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| 359 | X.237 | Khlong Ton at Ban Ton , Satun | 718 |
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KHLONG KUI RIVER BASIN

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SOUTHERN PENINSULA EAST COAST

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|---|---|---|---|
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| 92 | X.64 | Khlong Tha Sae at Ban Tha Sae, Chumphon | 819 |
| 93 | X.70 | Khlong Ban Tan at Ban Wang Kong , Nakhon Si Thammarat | 820 |
| 94 | X.149 | Khlong Klai at Ban Hua Na , Nakhon Si Thammarat | 821 |
| 95 | X.158 | Khlong Tha Taphao at Ban Wang Khrok, Chumphon | 822 |
| 96 | X.167 | Khlong Sao Thong at Ban Sao Thong , Nakhon Si Thammarat | 823 |
| 97 | X.213 | Upper Khlong Lang Suan at Ban Phato , Chumphon | 824 |
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TAPI RIVER BASIN

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| 103 | X.71B | Khlong Tam at Ban Khuan Lang , Songkhla | 830 |
| 104 | X.90 | Khlong U - Taphao at Ban Bang Sala, Songkhla | 831 |
| 105 | X.109 | Khlong Bang Kaeo at Ban Khuan In No Mo , Phutthalung | 832 |
| 106 | X.170 | Khlong Lam at Ban Khlong Lam, Phatthalung | 833 |
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| 119 | X.237 | Khlong Ton at Ban Ton , Satun | 846 |
| 120 | X.238 | Khlong Cheang at Ban Khlong Hak , Satun | 847 |
| 121 | X.245 | Khlong Phangnga at Ban Bang Tong , Phangnga | 848 |

# HYDROLOGICAL YEAR BOOK PUBLICATION

* **** ** **** *

Introduction

Great Attempt has been made all along to expedite the engineering processing of the stream flow data to be ready for publication, and to translate the publication plan into implementation. Efforts from various working units as well as personnel concerned pulled together to drive this work into reality. Publication of stream flow data has begun since 1966. The first yearbook publication came out as Volume 8 for the 1965 water year. It presents records of stage and discharge of 113 gauging stations in 59 streams.

Definition of terms and abbreviations

Table for converting Metric Units to English Units is on page XXX Terms related to stream flow and other hydrologic data, as used in this report, are defined as follows:

CMS-day is the volume of water represented by a flow of 1 cubic meter per second for 24 hours. It is equivalent to 86,400 cubic meters, 0.0864 million cubic meter, or 3,050,784 cubic feet, or 70.07 acre-feet, and represents a runoff of 86.4 millimeters from 1 square kilometer.

Control designates of feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic meter per second (cms.) is the rate of stream discharge expressed in volume per a unit of time, One cubic meter per second is the rate of discharge representing a volume of 1 cubic meter passing a given point during 1 second.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharge during a specific period.

Momentary peak discharge is the peak discharge at a particular instant of time, at least once a year.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from rainfall would normally drains by gravity into the stream above the specified point. Figures of drainage area given herein are determined from Royal Thai Survey Department AMS map with scale of 1 to 50,000, unless otherwise noted. They include all closed basins, or noncontributing areas, with in the area unless otherwise noted.

Gage height (G.H.) is the water surface elevation above some arbitrary gage datum to which, in most cases, referred the Mean Sea Level (M.S.L.) Ko Lak datum, otherwise the arbitrary assumed datum (A.D.) being used.

Gauging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. The term "Staff gauging station" is applied only those gauging stations where only a gage height record is observed at an installed staff gage. If a water stage recorder is also installed, such a gauging station is referred as recording gauging station. In case of discharge measurements being practiced, it is referred as stream flow calibration or rating station.

Million cubic meter (mcm.) is the volume of water expressed in millions of cubic meter.

One million cubic meter is the quantity of water required to cover 1 square kilometer to a depth of 1 meter and is equivalent to 811 acre-feet, or 408.6 cfs.-day, or 264.2 million gallons.

Runoff in mcm. shows the volume of approximately effective runoff from rainfall, passing a given point for a given period of time.

Annual runoff is the volume of approximately effective runoff from rainfall accumulated during the water year.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Rating tables giving the discharge for any gage height are prepared from stage-discharge relation curves or rating curves.

Water year is the 12-month period, April 1 through March 31, related to annual cycle of river flow during which the river begins to rise, reaching its flood stage and subsiding toward its cyclic minimum

The water year is designated by the calendar year in which it begins and which includes 3 of 12 months. Thus, the year began April 1, 1969 is called the “1969 water year”.

Order of listing of gauging data

In this format, gauging data are listed according to their code running number order. It has been found more convenient in locating the required data when the list is arranged in such manner. The station code name contains the letters standing for river name and number in running order according to the age of the station installed in that river. The station code, for example, for the Chao Phraya River at Wat Tha Hat installed in 1905 is C. 1, which is the first stream flow rating station ever built in this river.

Series of yearbook publications

The yearbook series in which the stream flow data had been published was issued as follows :

| Volume | Water Years | No. of station – years | Date of Issuance |
|---|---|---|---|
| 1 | 1912 – 1937 | 112 | September 1976 |
| 2 | 1938 – 1947 | 103 | September 1976 |
| 3 | 1948 – 1953 | 146 | September 1976 |
| 4 | 1954 – 1956 | 178 | September 1976 |
| 5 | 1957 – 1959 | 203 | May 1974 |
| 6 | 1960 – 1962 | 213 | October 1973 |
| 7 | 1963 – 1964 | 182 | July 1969 |
| 8 | 1965 | 113 | May 1967 |
| 9 | 1966 | 129 | June 1975 |
| 10 | 1967 | 172 | September 1976 |
| 11 | 1968 | 187 | September 1976 |
| 12 | 1969 | 182 | March 1979 |
| 13 | 1970 | 182 | March 1979 |
| 14 | 1971 | 182 | June 1979 |
| 15 | 1972 | 184 | October 1979 |
| 16 | 1973 | 187 | January 1980 |
| 17 | 1974 | 191 | March 1980 |
| 18 | 1975 | 182 | August 1980 |
| 19 | 1976 | 184 | November 1980 |
| 20 | 1977 | 192 | February 1981 |
| 21 | 1978 | 210 | May 1982 |
| 22 | 1979 | 237 | July 1981 |
| 23 | 1980 | 231 | August 1982 |
| 24 | 1981 | 213 | November 1983 |
| 25 | 1982 | 224 | June 1986 |
| 26 | 1983 | 235 | October 1986 |
| 27 | 1984 | 242 | February 1988 |
| 28 | 1985 | 232 | January 1989 |
| 29 | 1986 | 245 | June 1989 |
| 30 | 1987 | 271 | July 1990 |
| 31 | 1988 | 267 | February 1990 |
| 32 | 1989 | 224 | July 1991 |
| 33 | 1990 | 225 | July 1992 |

| Volume | Water Years | No. of station – years | Date of Issuance |
|---|---|---|---|
| 34 | 1991 | 227 | July 1993 |
| 35 | 1992 | 220 | May 1994 |
| 36 | 1993 | 228 | April 1995 |
| 37 | 1994 | 224 | August 1996 |
| 38 | 1995 | 232 | July 1997 |
| 39 | 1996 | 244 | August 1998 |
| 40 | 1997 | 269 | August 1999 |
| 41 | 1998 | 258 | August 2000 |
| 42 | 1999 | 291 | August 2001 |
| 43 | 2000 | 316 | September 2002 |
| 44 | 2001 | 330 | September 2003 |
| 45 | 2002 | 316 | October 2004 |
| 46 | 2003 | 334 | October 2005 |
| 47 | 2004 | 338 | November 2006 |
| 48 | 2005 | 340 | December 2007 |
| 49 | 2006 | 362 | February 2009 |

The preparation of the manuscripts of the further Volume is in progress. It is expected that they would be issued in serial order in the very near future.

# STANDARD OF STREAMFLOW DATA PROCUREMENT

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Network design

The location of stream gauging stations is primarily based upon the urgent need at various dam sites which is accessible. By the time of expansion of the network at later date, the area or basin of "blind spot" is put at first priority backing up by the following conditions:

(a) Accessibility.

(b) Geographical location.

(c) Mean annual rainfall.

(d) Vegetation cover determined from Army Map Service topographic map with 1:50,000 or 1:250,000 scale.

(e) Basin soil type.

( f ) Type of surface rock.

Field work

The minimum standard of basic hydrologic data for observations and measurements are equal to those recommended in the United Nations ECAFE Flood Control series No.6.

Water stage data are obtained by staff gage and by water stage recorder. Normally a vertical section staff gage is installed for manual observation with usual frequency of reading varies from 1 to 5 times of equal interval during the daytime. At some specific station where stream flow measurement camps are situated, the reading of water stage by night is also made, in addition, usually 1 to 3 times of equal interval. The standard bench mark is also established near the gage site. The 1.00 - m standard enameled staff gage section with 1 cm graduation are used with zero reading, in most cases, referred to Mean Sea Level (M.S.L.) Ko Lak datum, otherwise the assumed datum begin used. Few wire - weight gages are also adopted on highway bridges.

In some mountainous headwater area as well as in the estuary, additional installation of water stage recorder is made. A continuous record of water stage is obtained at such station. The German A. Ott type X has so for been adopted as our standard equipment. Some pneumatic recorder is also being used. Weekly visit to the gage for inspection and changing chart paper by the crew or gage observer is under practice.

At the stream flow gauging station, flow measurement by a current meter is periodically performed so that the calibration of stream section related to flow can be made through the development of stage - flow relationship or simply called " rating curve ". Two types of the stream flow gauging station are under operation: with and without crew camp. Those without crew camp are under moving team and are capable for flow measurements of several stations. Those with crew camp are subject to less accessibility.

At station operated by a moving crew, at least twice a month during the monsoon period and once a month during the low flow period are expected for flow rating performance. The moving crew frequently fails to reach the stations while at their crest stages because of road damage and time available. At station with crew camp, daily rating performance may be expected, at least once whenever change of stage per day is over 30 centimeters. Fixed boat by cable way across the river is one of typical means of flow measurement by current meter for medium river, 100 m wide. Flow wider river, the boat is fixed in position by anchors.

The river cross section is requested to be made simultaneously during flow velocity measurement, so that shifting of the section could be determined. This request is lawful because there had been in the older day fashion of using cross section made during dry season for discharge computation.

The German A. Ott current meter has so far been adopted as standard equipment. The multiple - point method has been used as velocity measurement practice. At present the two - point method is carefully practiced.

Office data processing

The standard techniques used overseas are adopted in processing the data. In fact the standard methods of U.S. Geological Survey and U.S. Department of Agriculture (for small streams) are adopted as general basis.

Development of rating curve - Yearly mean rating curve is generally used as a tool in determining the daily flow. Periodically developed rating is frequently used when dictated by the conditions, so that the shifting control could be eliminated or reduced. Zero flow elevation of the rating section is determined by trial and error method with logarithmic plotting of the rating curve. Extension of the logarithmic rating line is frequently used to determine the channel flow at the over bank flow stage. The over bank flow is assessed by either direct velocity measurement or slope - area method whenever applicable.

Determination of daily mean flow - Application of the adjusted daily mean gage height to rating table gives the corresponding daily mean discharge from which the monthly and the yearly mean discharges are computed. Shifting adjustment for observed gage height is made when necessary. Shifting design is made basing on flood stages and times, if any. Other adjustments such as back water, rise and fall of flood, etc., which necessitate the use of other parametric factors, are also made, if any.

At some gauging stations where rises and falls of floods are immediate, hourly basis of gage height application to the rating curve is used to determine daily mean discharge.

At stations where rises and falls of streams are gentle, gage height data are usually obtained by manual reading.

It has been found that application of 1 to 5 times average reading (for daytime) gives an error of daily mean flow not more than 15% for mountainous streams, less than 10% for larger valley streams and not more than 5% for lower deltaic streams. Most of mountainous and valley streams are under recording operation, only deltaic streams that daytime reading are still used.

The daily mean gage heights are obtained by arithmetic mean of the observed data available. Adjusted gage heights due to shifting, which are applicable to rating curve for daily mean flow computation, are practically made.

It is noted that the daily mean flow are mostly subject to upstream diversion. Headwater utilization of water by people diversions and state-owned diversions are expected in many river basins in this country. Consequently, the virgin flow is hardly determined. Daily mean values may be replaced by the monthly mean in the case of flow measured at tail waters of existing reservoirs.

Time basis used for daily mean flow is from midnight to midnight.

Review of procedure for stream flow data processing.

Following are steps used for review the overall data before finalizing the process:

1) Checking of gage height data which are obtained either from staff gage or from water stage recorder, for the following cases:

a) Representability of daytime observation for the daily mean value, if the data are from staff gage reading.

b) Discrepancies of recording charts, if any.

c) Desirability of hourly-basis process for daily mean flow.

d) Datum's of gage observation and of the rating curve used.

e) Location of gage from which data are taken and location of gage at which the rating curve is developed.

2) Checking of availability and goodness of field measurement notes.

3) Checking of differential magnitude of gage height during discharge measurement as to which arithmetic average or weighted average is desirable.

4) Checking stability of rating curve used.

5) Review of shifting control sample and design shifting, if any.

6) Adjustment of backwater, flood wave, etc., by rate of change of falls as index, if any.

7) Overall review of daily mean flow data as an end product.

8) Checking consistency of runoff volume among those observed at the upstream and downstream stations, taking into account intervening diversions of flow, if any.

Classification of stream flow data

The station description states the degree of accuracy of the records. "Excellent" indicates that, in general, the error in the daily records is believed to be less than 5 percent; "good", less than 10 percent; 'fair", less than 15 percent; "poor", probably more than 15 percent.

Future plan for computerization

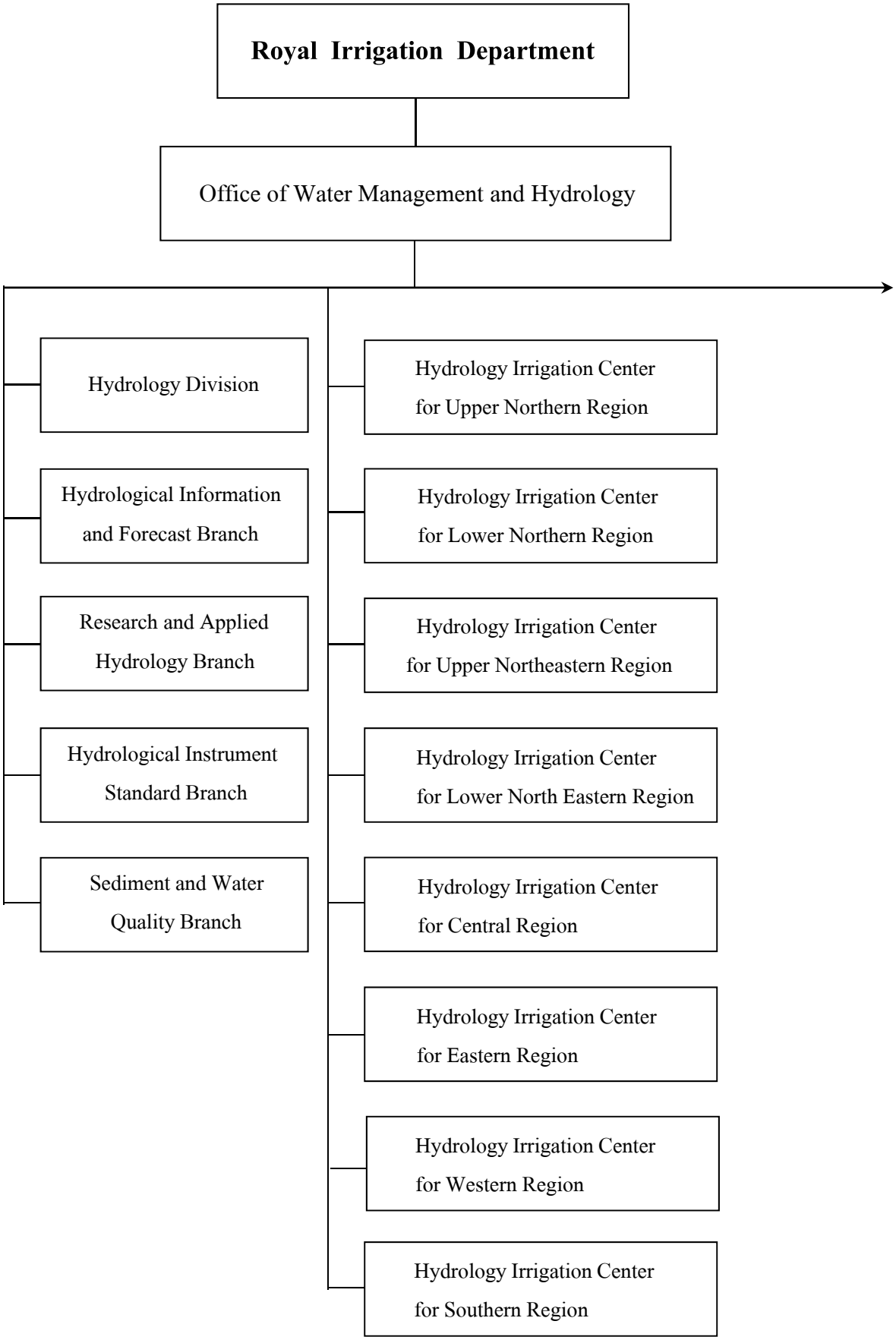
The Royal Irrigation Department (RID) has developed data system which include computerization of storage, Processing and retrieval of rainfall data since 1969. During the stream flow data system was being developed at RID in 1976, the National Economic and Social Development Board has made in agreement with the Asian Institute of Technology (AIT) to study on "Development of Water Resources Information System for Thailand". In the Contract AIT will recommend a standardized procedure to various agencies for collecting and recording hydrometeorological and hydrological data and develop a computer based data storage and retrieval system to process, store, analyze and publish the data furnished by various agencies involved in data collection.

The Water Resources Information System for Thailand (WRIST) package has been designed to provide permanent computer media storage of hydrometeorological and hydrological data in such a form that it can be readily added, to, altered or deleted and also called for analysis and presentation as required. The Indexed Sequential Method has been used for mass storage of the data and the processing and storing system have been designed taking into consideration the data processing schemes followed by the agencies, the probable frequency of retrieval expected and also the order or grouping of data elements differently for different agencies so that the system is best suited and efficient in operation for the current requirements and anticipated uses by the agencies in Thailand. The system will process and store data agency wise. The system is also designed to allow for the inclusion of additional data types if the need arise in the future. IBM 370/145 Computer facility at the AIT Bangkok will be used to develop the WRIST package. Operating programs will be written in ANS COBOL language independent of machine hardware to facilitate machine to machine transferability of the package for medium scale computers. The system has the data retrieval facility in the form of monthly and yearly publication agency wise; row data and analysis data either in the form of computer printouts or in the direct accessible forms like cards of tapes controlled by basin, Sub-basin, region, station and data type. Data stored can also be available in the form of punched cards or punched card image on magnetic tapes so that they can be accessed by FORTRAN programs.

Organization

Stream flow data presented herein are from the hydrologic network operating by the Hydrology Division of the Royal Irrigation Department (RID). Field data collection and office data processing as well as yearbook publication are hydrologic activities undertaken by the Division.

The organization structure of the Division is diagrammatically shown below :-


Royal Irrigation Department
Office of Water Management and Hydrology
Hydrology Division
Hydrological Information and Forecast Branch
Research and Applied Hydrology Branch
Hydrological Instrument Standard Branch
Sediment and Water Quality Branch
Hydrology Irrigation Center for Upper Northern Region
Hydrology Irrigation Center for Lower Northern Region
Hydrology Irrigation Center for Upper Northeastern Region
Hydrology Irrigation Center for Lower North Eastern Region
Hydrology Irrigation Center for Central Region
Hydrology Irrigation Center for Eastern Region
Hydrology Irrigation Center for Western Region
Hydrology Irrigation Center for Southern Region

# PARTICIPATION IN STREAM GAUGING WORKS

* * * * * * *

Among 22 water related government agencies, several of them operate stream flow gauging works according to their own purposes. In early 1949 the Hydrology Section was established in the Survey Division of the Royal Irrigation Department. The Section is responsible for its activity in hydrology as prerequisite for water resources development. The activity includes:

(1) Procurement of basic hydrologic data including precipitation, stream flow, sediment, evaporation, etc.

(2) Analyses and research to produce the facts governing the behavior of water, their occurrences, circulation and distribution in its varied forms, their properties and their interaction with other allied factors.

(3) Application to water resources development and management, utilizing basic data and the facts disclosed by analyses and research.

Just one year after the beginning of water storage work, in 1953 there were only 49 discharge stations and 114 stage stations as operated by the Hydrology Section. In February 1975 the Section was separated from the Survey Division and was raised the status to be the Hydrology Division of the Royal Irrigation Department. The present network of stream gauging works contains 221 discharge stations of which 147 are currently operated and 74 are previously calibrated with continuous stage observation while 145 were abandoned, and 315 stage station are currently operated while 232 were abandoned.

After the onset of the Lower Mekong River Basin Development Scheme, the Hydrology Section was also established in the Investigation and Planning Division of the National Energy Administration which is a representative agency of Thai Government in the Lower Mekong Committee. During the period of November 1958 – Mary 1962, seven hydrologic stations were installed and operated by the Harza Engineering Company contracted by the Agency for International Development of the united States Government. At present the NEA operates about 90 discharge stations and 140 stage stations. A series of yearbooks has also been published.

The third agency which operates the stream gauging works is the Hydrometeorology Division of the Meteorological Department. With the technical and financial support from the World Meteorological Organization, this agency began the stream gauging works in 1967. Up till now, about 11 discharge stations and 32 stage stations are under operation. The stream gauging data are also included in their yearbook.

The last agency which operates the stream gauging works for the planning purpose is the Electricity Generating Authority of Thailand. They began to operate 15 discharge stations and 4 stage stations in 1971.

In addition, there are other agencies operating the stream gauging works for their own purposes such as watershed management and conservation program of the Royal Forestry Department. The Port Authority of Thailand carries on discharge measurement along the estuary of the Chao Phraya River for studying the sedimentation in the vicinity of the service area.

# UNITS OF MEASURE AND CONVERSION FACTORS

The following factors may be used to convert the metric and Thai unit published here in to the English units.

| Multiply metric or Thai units | By | To obtain English Unit |
|---|---|---|
| | Length | |
| millimeters (mm.) | .03973 | inches (in) |
| meters (m.) | 39.73 | inches (in) |
| | 3.2808 | feet (ft) |
| | 1.0936 | yards (yd) |
| | .1988 | rods |
| kilometers (km) | .6214 | miles (mi) |
| | Area | |
| square meters ($m^2$) | 10.76 | square feet ($ft^2$) |
| | 1.196 | square yards ($yd^2$) |
| | $2.47 \times 10^{-4}$ | acres |
| rai (1,600 $m^2$ - Thai) | .3952 | acres |
| hectares (ha) | 2.4709 | acres |
| square hectometers ($hm^2$) | 2.4709 | acres |
| square kilometers ($km^2$) | 247.1 | acres |
| | .3861 | square miles ($mi^2$) |
| | Volume | |
| liters ( l ) | .2642 | gallons (gal) |
| Cubic decimeters ($dm^3$) | .2642 | gallons (gal) |
| | .03531 | cubic feet ($ft^3$) |
| cubic meters ($m^3$) | 264.2 | gallons (gal) |
| | $2.642 \times 10^{-4}$ | million gallons ($10^6$ gal) |
| | 35.31 | cubic feet ($ft^3$) |
| | $4.086 \times 10^{-4}$ | cfs - day ($ft^3$ / s - day) |
| | $8.11 \times 10^{-4}$ | acre - feet (acre - ft) |
| cubic hectometers ($hm^3$) | 264.2 | million gallons ($10^6$ gal) |
| | 408.6 | cfs - day ($ft^3$ / s - day) |
| | 811 | acre - feet (acre - ft) |
| million cubic meters (mcm) | 811 | acre - feet (acre - ft) |
| cubic kilometers ($km^3$) | $811 \times 10^3$ | acre - feet (acre - ft) |

| Multiply metric or Thai units | By | To obtain English Unit |
|---|---|---|
| | Flow | |
| liters per second (1/s) | .03531 | cubic feet per second ($ft^3$ / s) |
| | 15.85 | gallons per minute (gpm) |
| cubic decimeters per second ($dm^3$ / s) | .03531 | cubic feet per second ($ft^3$ / s) |
| | 15.85 | gallons per minute (gpm) |
| | $22.82 \times 10^{-3}$ | million gallons per day (mgd) |
| cubic meters per second ($m^3$ / s) | 35.31 | cubic feet per second ($ft^3$ / s) |
| | 15,850 | gallons per minute (gpm) |
| | 22.82 | million gallons per day (mgd) |

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# Stream Gauging Data

# Water Year 2006

## WATER YEAR : 2006

## SALAWIN RIVER BASIN

### Huai Mae Lamao at Ban Mae Lamao , Tak (Sw.6)

Lat 16 - 45 - 36 N Long 98 - 45 - 16 E

**Location : on left bank downstream from the bridge on highway.**

**Ban** Mae Lamao **Amphoe** Mae Sot **Changwat** Tak

| | |
|---|---|
| **Drainge Area** | 1,009 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +268.470 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | About 6.25 meters from the automatic gage buiding. **Elevation** +278.846 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1971 to date |
| **Rating Operation** | |
| **Period of Rating** | 1971 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1971 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

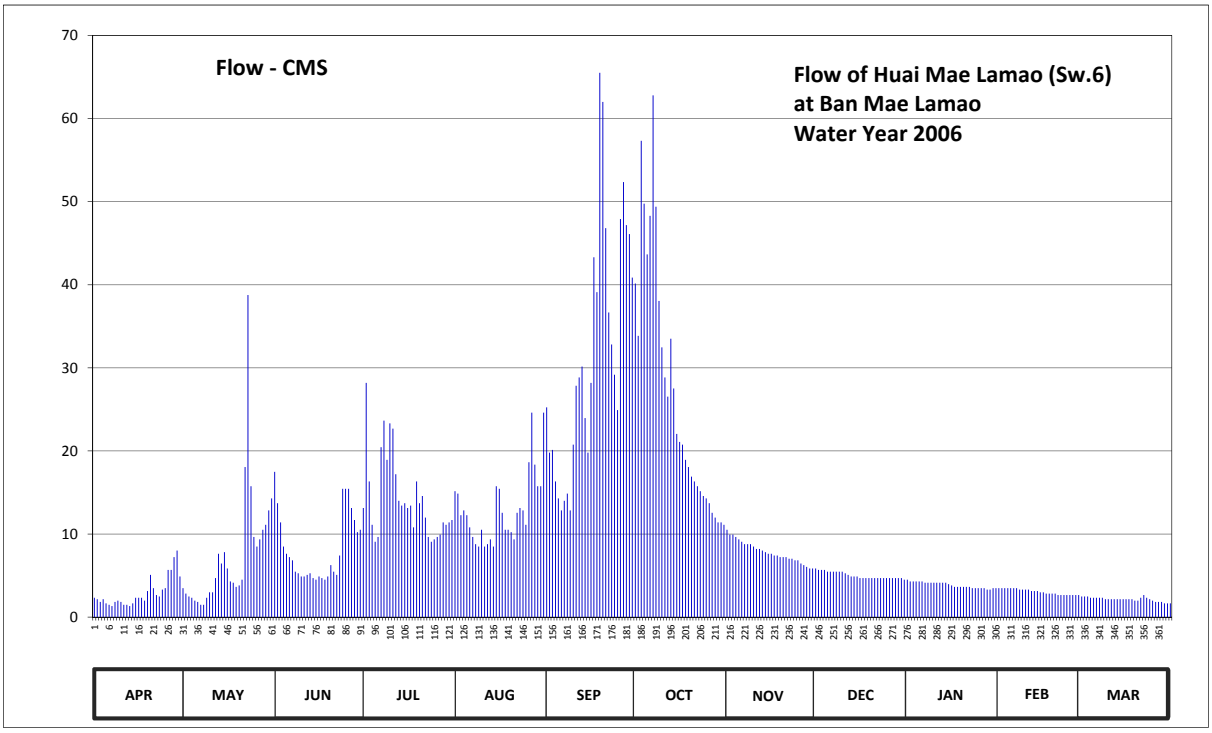
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 268.88 | 268.95 | 269.52 | 269.37 | 269.44 | 269.77 | 270.21 | 269.28 | 269.08 | 269.01 | 268.95 | 268.89 | |
| 2 | 268.87 | 268.91 | 269.39 | 269.86 | 269.43 | 269.60 | 270.03 | 269.26 | 269.07 | 269.00 | 268.95 | 268.89 | |
| 3 | 268.85 | 268.89 | 269.31 | 269.48 | 269.34 | 269.61 | 270.68 | 269.26 | 269.07 | 269.00 | 268.95 | 268.89 | |
| 4 | 268.87 | 268.88 | 269.21 | 269.30 | 269.36 | 269.48 | 270.48 | 269.25 | 269.07 | 269.00 | 268.95 | 268.88 | |
| 5 | 268.84 | 268.86 | 269.17 | 269.23 | 269.34 | 269.41 | 270.31 | 269.24 | 269.06 | 269.00 | 268.95 | 268.88 | |
| 6 | 268.83 | 268.85 | 269.15 | 269.25 | 269.29 | 269.36 | 270.44 | 269.23 | 269.06 | 269.00 | 268.95 | 268.88 | |
| 7 | 268.82 | 268.83 | 269.13 | 269.62 | 269.25 | 269.40 | 270.82 | 269.22 | 269.06 | 268.99 | 268.95 | 268.88 | |
| 8 | 268.85 | 268.83 | 269.06 | 269.72 | 269.22 | 269.43 | 270.47 | 269.22 | 269.06 | 268.99 | 268.94 | 268.88 | |
| 9 | 268.86 | 268.88 | 269.05 | 269.57 | 269.21 | 269.36 | 270.15 | 269.22 | 269.06 | 268.99 | 268.94 | 268.87 | |
| 10 | 268.85 | 268.92 | 269.03 | 269.71 | 269.28 | 269.63 | 269.99 | 269.21 | 269.06 | 268.99 | 268.94 | 268.87 | |
| 11 | 268.83 | 268.92 | 269.03 | 269.69 | 269.21 | 269.85 | 269.88 | 269.20 | 269.05 | 268.99 | 268.94 | 268.87 | |
| 12 | 268.83 | 269.02 | 269.04 | 269.51 | 269.22 | 269.88 | 269.81 | 269.20 | 269.04 | 268.99 | 268.93 | 268.87 | |
| 13 | 268.82 | 269.17 | 269.05 | 269.40 | 269.24 | 269.92 | 270.02 | 269.19 | 269.03 | 268.99 | 268.93 | 268.87 | |
| 14 | 268.84 | 269.11 | 269.02 | 269.38 | 269.21 | 269.73 | 269.84 | 269.18 | 269.03 | 268.99 | 268.93 | 268.87 | |
| 15 | 268.88 | 269.18 | 269.01 | 269.39 | 269.46 | 269.60 | 269.67 | 269.17 | 269.03 | 268.98 | 268.92 | 268.87 | |
| 16 | 268.88 | 269.08 | 269.03 | 269.37 | 269.45 | 269.86 | 269.64 | 269.17 | 269.02 | 268.97 | 268.92 | 268.87 | |
| 17 | 268.88 | 269.00 | 269.02 | 269.38 | 269.35 | 270.30 | 269.63 | 269.16 | 269.02 | 268.96 | 268.91 | 268.87 | |
| 18 | 268.86 | 268.99 | 269.01 | 269.29 | 269.28 | 270.18 | 269.57 | 269.16 | 269.02 | 268.96 | 268.91 | 268.87 | |
| 19 | 268.93 | 268.96 | 269.03 | 269.48 | 269.28 | 270.89 | 269.54 | 269.15 | 269.02 | 268.96 | 268.91 | 268.86 | |
| 20 | 269.04 | 268.97 | 269.10 | 269.39 | 269.27 | 270.80 | 269.50 | 269.15 | 269.02 | 268.96 | 268.91 | 268.86 | |
| 21 | 268.95 | 269.01 | 269.06 | 269.42 | 269.24 | 270.40 | 269.48 | 269.15 | 269.02 | 268.96 | 268.90 | 268.88 | |
| 22 | 268.90 | 269.54 | 269.04 | 269.33 | 269.35 | 270.11 | 269.46 | 269.14 | 269.02 | 268.96 | 268.90 | 268.90 | |
| 23 | 268.89 | 270.17 | 269.16 | 269.25 | 269.37 | 270.00 | 269.44 | 269.14 | 269.02 | 268.95 | 268.90 | 268.88 | |
| 24 | 268.94 | 269.46 | 269.45 | 269.23 | 269.36 | 269.89 | 269.42 | 269.13 | 269.02 | 268.95 | 268.90 | 268.87 | |
| 25 | 268.95 | 269.25 | 269.45 | 269.24 | 269.30 | 269.76 | 269.41 | 269.13 | 269.02 | 268.95 | 268.90 | 268.86 | |
| 26 | 269.07 | 269.21 | 269.45 | 269.25 | 269.56 | 270.43 | 269.39 | 269.11 | 269.02 | 268.95 | 268.90 | 268.85 | |
| 27 | 269.07 | 269.24 | 269.37 | 269.26 | 269.75 | 270.55 | 269.35 | 269.10 | 269.02 | 268.95 | 268.90 | 268.85 | |
| 28 | 269.15 | 269.28 | 269.32 | 269.31 | 269.55 | 270.41 | 269.33 | 269.09 | 269.02 | 268.94 | 268.90 | 268.85 | |
| 29 | 269.19 | 269.30 | 269.27 | 269.30 | 269.46 | 270.38 | 269.31 | 269.08 | 269.02 | 268.94 | | 268.84 | |
| 30 | 269.03 | 269.36 | 269.28 | 269.31 | 269.46 | 270.23 | 269.31 | 269.08 | 269.02 | 268.95 | | 268.84 | |
| 31 | | 269.41 | | 269.32 | 269.75 | | 269.30 | | 269.01 | 268.95 | | 268.84 | |
| Mean | 268.91 | 269.11 | 269.17 | 269.41 | 269.36 | 269.94 | 269.80 | 269.18 | 269.04 | 268.97 | 268.92 | 268.87 | |
| Max | 269.19 | 270.17 | 269.52 | 269.86 | 269.75 | 270.89 | 270.82 | 269.28 | 269.08 | 269.01 | 268.95 | 268.90 | 270.89 |
| Min | 268.82 | 268.83 | 269.01 | 269.23 | 269.21 | 269.36 | 269.30 | 269.08 | 269.01 | 268.94 | 268.90 | 268.84 | 268.82 |

Annual Max Momentary Gage Height 272.19 m. (MSL.) , at 12.00 Hours , on Sep 19, 2006

Zero Gage at Bottom Elevation 268.47 m. (MSL.) , River Bed 268.16 m. (MSL.)

Left Bank Elevation 276.55 m. (MSL.) ,

Right Bank Elevation 277.16 m. (MSL.) , Drainage Are 1,009 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.32 | 3.48 | 17.48 | 13.13 | 15.16 | 25.24 | 40.15 | 10.52 | 5.86 | 4.50 | 3.48 | 2.49 | | |
| 2 | 2.16 | 2.82 | 13.71 | 28.18 | 14.87 | 19.80 | 33.85 | 9.94 | 5.67 | 4.30 | 3.48 | 2.49 | | |
| 3 | 1.83 | 2.49 | 11.39 | 16.32 | 12.26 | 20.12 | 57.32 | 9.94 | 5.67 | 4.30 | 3.48 | 2.49 | | |
| 4 | 2.16 | 2.32 | 8.49 | 11.10 | 12.84 | 16.32 | 49.76 | 9.65 | 5.67 | 4.30 | 3.48 | 2.32 | | |
| 5 | 1.66 | 1.99 | 7.62 | 9.07 | 12.26 | 14.29 | 43.65 | 9.36 | 5.47 | 4.30 | 3.48 | 2.32 | | |
| 6 | 1.49 | 1.83 | 7.22 | 9.65 | 10.81 | 12.84 | 48.28 | 9.07 | 5.47 | 4.30 | 3.48 | 2.32 | | |
| 7 | 1.33 | 1.49 | 6.83 | 20.44 | 9.65 | 14.00 | 62.78 | 8.78 | 5.47 | 4.13 | 3.48 | 2.32 | | |
| 8 | 1.83 | 1.49 | 5.47 | 23.64 | 8.78 | 14.87 | 49.39 | 8.78 | 5.47 | 4.13 | 3.31 | 2.32 | | |
| 9 | 1.99 | 2.32 | 5.27 | 18.93 | 8.49 | 12.84 | 38.05 | 8.78 | 5.47 | 4.13 | 3.31 | 2.16 | | |
| 10 | 1.83 | 2.98 | 4.88 | 23.32 | 10.52 | 20.76 | 32.47 | 8.49 | 5.47 | 4.13 | 3.31 | 2.16 | | |
| 11 | 1.49 | 2.98 | 4.88 | 22.68 | 8.49 | 27.85 | 28.84 | 8.20 | 5.27 | 4.13 | 3.31 | 2.16 | | |
| 12 | 1.49 | 4.69 | 5.08 | 17.19 | 8.78 | 28.84 | 26.53 | 8.20 | 5.08 | 4.13 | 3.14 | 2.16 | | |
| 13 | 1.33 | 7.62 | 5.27 | 14.00 | 9.36 | 30.16 | 33.50 | 8.00 | 4.88 | 4.13 | 3.14 | 2.16 | | |
| 14 | 1.66 | 6.44 | 4.69 | 13.42 | 8.49 | 23.96 | 27.52 | 7.81 | 4.88 | 4.13 | 3.14 | 2.16 | | |
| 15 | 2.32 | 7.81 | 4.50 | 13.71 | 15.74 | 19.80 | 22.04 | 7.62 | 4.88 | 3.97 | 2.98 | 2.16 | | |
| 16 | 2.32 | 5.86 | 4.88 | 13.13 | 15.45 | 28.18 | 21.08 | 7.62 | 4.69 | 3.81 | 2.98 | 2.16 | | |
| 17 | 2.32 | 4.30 | 4.69 | 13.42 | 12.55 | 43.30 | 20.76 | 7.42 | 4.69 | 3.64 | 2.82 | 2.16 | | |
| 18 | 1.99 | 4.13 | 4.50 | 10.81 | 10.52 | 39.10 | 18.93 | 7.42 | 4.69 | 3.64 | 2.82 | 2.16 | | |
| 19 | 3.14 | 3.64 | 4.88 | 16.32 | 10.52 | 65.51 | 18.06 | 7.22 | 4.69 | 3.64 | 2.82 | 1.99 | | |
| 20 | 5.08 | 3.81 | 6.25 | 13.71 | 10.23 | 62.00 | 16.90 | 7.22 | 4.69 | 3.64 | 2.82 | 1.99 | | |
| 21 | 3.48 | 4.50 | 5.47 | 14.58 | 9.36 | 46.80 | 16.32 | 7.22 | 4.69 | 3.64 | 2.65 | 2.32 | | |
| 22 | 2.65 | 18.06 | 5.08 | 11.97 | 12.55 | 36.65 | 15.74 | 7.03 | 4.69 | 3.64 | 2.65 | 2.65 | | |
| 23 | 2.49 | 38.75 | 7.42 | 9.65 | 13.13 | 32.80 | 15.16 | 7.03 | 4.69 | 3.48 | 2.65 | 2.32 | | |
| 24 | 3.31 | 15.74 | 15.45 | 9.07 | 12.84 | 29.17 | 14.58 | 6.83 | 4.69 | 3.48 | 2.65 | 2.16 | | |
| 25 | 3.48 | 9.65 | 15.45 | 9.36 | 11.10 | 24.92 | 14.29 | 6.83 | 4.69 | 3.48 | 2.65 | 1.99 | | |
| 26 | 5.67 | 8.49 | 15.45 | 9.65 | 18.64 | 47.91 | 13.71 | 6.44 | 4.69 | 3.48 | 2.65 | 1.83 | | |
| 27 | 5.67 | 9.36 | 13.13 | 9.94 | 24.60 | 52.35 | 12.55 | 6.25 | 4.69 | 3.48 | 2.65 | 1.83 | | |
| 28 | 7.22 | 10.52 | 11.68 | 11.39 | 18.35 | 47.17 | 11.97 | 6.05 | 4.69 | 3.31 | 2.65 | 1.83 | | |
| 29 | 8.00 | 11.10 | 10.23 | 11.10 | 15.74 | 46.10 | 11.39 | 5.86 | 4.69 | 3.31 | | 1.66 | | |
| 30 | 4.88 | 12.84 | 10.52 | 11.39 | 15.74 | 40.85 | 11.39 | 5.86 | 4.69 | 3.48 | | 1.66 | | |
| 31 | | 14.29 | | 11.68 | 24.60 | | 11.10 | | 4.50 | 3.48 | | 1.66 | | |
| Total | 88.59 | 227.79 | 247.86 | 441.95 | 402.42 | 944.50 | 838.06 | 235.44 | 155.53 | 119.64 | 85.46 | 66.56 | 3853.80 | CMSDAY |
| Mean | 2.95 | 7.35 | 8.26 | 14.26 | 12.98 | 31.48 | 27.03 | 7.85 | 5.02 | 3.86 | 3.05 | 2.15 | 10.56 | CMS |
| Max | 8.00 | 38.75 | 17.48 | 28.18 | 24.60 | 65.51 | 62.78 | 10.52 | 5.86 | 4.50 | 3.48 | 2.65 | 65.51 | CMS |
| Min | 1.33 | 1.49 | 4.50 | 9.07 | 8.49 | 12.84 | 11.10 | 5.86 | 4.50 | 3.31 | 2.65 | 1.66 | 1.33 | CMS |
| Runoff | 7.65 | 19.68 | 21.42 | 38.18 | 34.77 | 81.60 | 72.41 | 20.34 | 13.44 | 10.34 | 7.38 | 5.75 | 332.97 | MCM |

Momentary Peak 119.96 CMS. at 272.19 m. (MSL.) at 12.00 Hours , on Sep 19, 2006

Runoff Yield 10.46 Liters/Second/Square KM. Momentary Peak Yield 118.89 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Mong at Ban Na Ang , Udon Thani (Kh.18)

Lat 17 - 34 - 41 N Long 102 - 20 - 22 E

**Location : on right bank between Phu Pha Dang and Phu Phan about 2 kilometers from Ban Na Ang.**

**Ban** Na Ang **Amphoe** Ban Phu **Changwat** Udon Thani

| | |
|---|---|
| **Drainge Area** | 1,309 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +183.430 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the automatic gage building. **Elevation** +191.432 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1957 to date |
| **Rating Operation** | |
| **Period of Rating** | 1957 - 1959 , 1965 - 1966 , 1974 - 1980 , 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1957 - 1959 , 1965 - 1966 , 1974 - 1980 , 1997 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +190.330 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 17 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

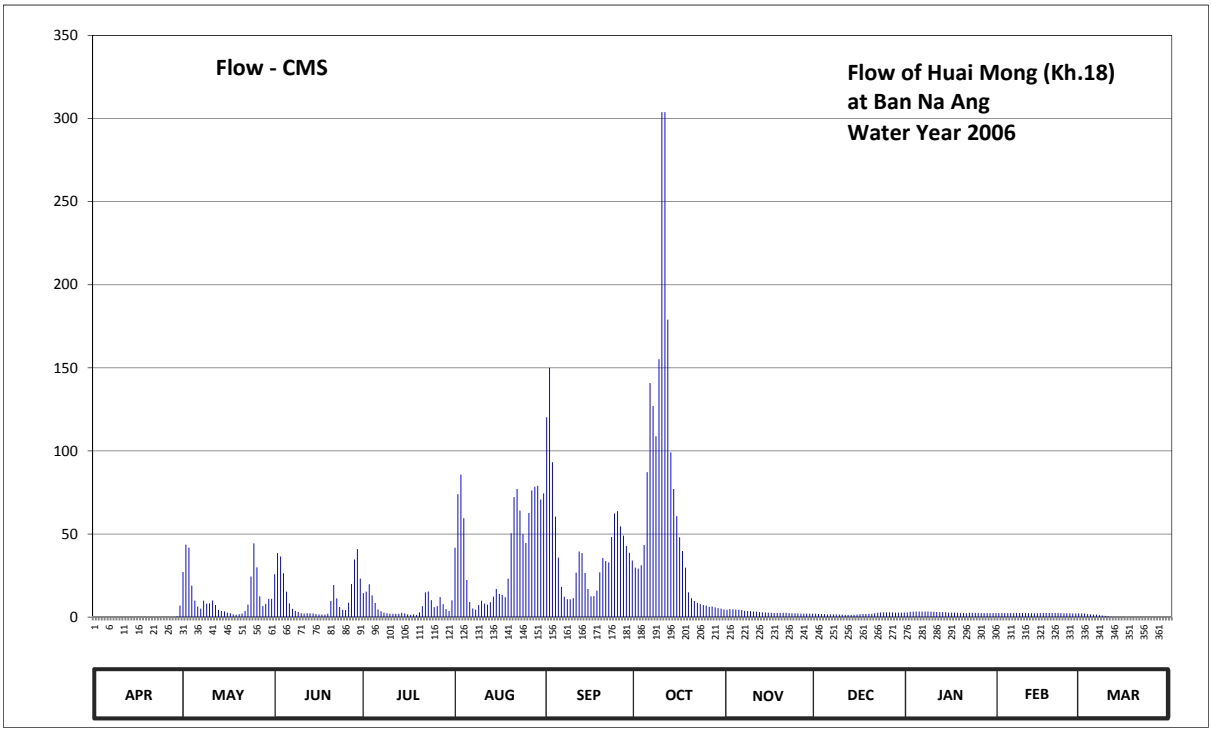
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 183.78 | 188.49 | 188.37 | 187.22 | 189.62 | 191.46 | 188.72 | 185.88 | 185.32 | 185.51 | 185.42 | 185.38 | |
| 2 | 183.77 | 189.73 | 189.39 | 187.31 | 190.91 | 191.60 | 188.67 | 185.95 | 185.31 | 185.59 | 185.42 | 185.35 | |
| 3 | 183.78 | 189.62 | 189.25 | 187.80 | 191.14 | 191.24 | 188.84 | 185.94 | 185.29 | 185.62 | 185.42 | 185.29 | |
| 4 | 183.78 | 187.72 | 188.42 | 187.07 | 190.50 | 190.54 | 189.72 | 185.89 | 185.27 | 185.63 | 185.42 | 185.23 | |
| 5 | 183.78 | 186.66 | 187.31 | 186.47 | 188.07 | 189.20 | 191.16 | 185.87 | 185.24 | 185.63 | 185.43 | 185.22 | |
| 6 | 183.79 | 186.18 | 186.44 | 185.91 | 186.54 | 187.63 | 191.56 | 185.83 | 185.23 | 185.63 | 185.43 | 185.20 | |
| 7 | 183.79 | 186.01 | 185.99 | 185.67 | 186.02 | 186.98 | 191.50 | 185.72 | 185.23 | 185.63 | 185.44 | 185.12 | |
| 8 | 183.79 | 186.65 | 185.72 | 185.49 | 185.90 | 186.77 | 191.39 | 185.69 | 185.24 | 185.63 | 185.44 | 185.07 | |
| 9 | 183.79 | 186.41 | 185.60 | 185.40 | 186.29 | 186.76 | 191.62 | 185.68 | 185.22 | 185.61 | 185.43 | 185.01 | |
| 10 | 183.79 | 186.43 | 185.41 | 185.34 | 186.65 | 186.85 | 191.99 | 185.63 | 185.20 | 185.60 | 185.43 | 184.94 | |
| 11 | 183.79 | 186.67 | 185.35 | 185.32 | 186.42 | 188.46 | 191.99 | 185.61 | 185.17 | 185.57 | 185.42 | 184.87 | |
| 12 | 183.79 | 186.31 | 185.40 | 185.32 | 186.34 | 189.46 | 191.71 | 185.56 | 185.16 | 185.56 | 185.41 | 184.84 | |
| 13 | 183.79 | 185.84 | 185.39 | 185.33 | 186.53 | 189.39 | 191.31 | 185.52 | 185.16 | 185.56 | 185.41 | 184.84 | |
| 14 | 183.80 | 185.69 | 185.37 | 185.47 | 186.98 | 188.44 | 190.98 | 185.51 | 185.19 | 185.55 | 185.41 | 184.83 | |
| 15 | 183.81 | 185.65 | 185.29 | 185.38 | 187.49 | 187.49 | 190.55 | 185.49 | 185.22 | 185.49 | 185.43 | 184.83 | |
| 16 | 183.82 | 185.48 | 185.24 | 185.24 | 187.16 | 187.00 | 189.95 | 185.46 | 185.26 | 185.49 | 185.43 | 184.78 | |
| 17 | 183.83 | 185.39 | 185.21 | 185.16 | 187.10 | 187.01 | 189.48 | 185.44 | 185.29 | 185.48 | 185.44 | 184.78 | |
| 18 | 183.83 | 185.23 | 185.21 | 185.23 | 186.92 | 187.38 | 188.72 | 185.44 | 185.31 | 185.46 | 185.44 | 184.78 | |
| 19 | 183.83 | 185.18 | 185.32 | 185.16 | 188.14 | 188.47 | 187.27 | 185.47 | 185.33 | 185.43 | 185.45 | 184.78 | |
| 20 | 183.83 | 185.26 | 186.63 | 185.53 | 190.07 | 189.18 | 186.85 | 185.46 | 185.34 | 185.43 | 185.45 | 184.78 | |
| 21 | 183.83 | 185.37 | 187.76 | 186.20 | 190.87 | 189.05 | 186.63 | 185.46 | 185.39 | 185.41 | 185.44 | 184.79 | |
| 22 | 183.84 | 185.70 | 186.83 | 187.27 | 190.98 | 188.99 | 186.48 | 185.43 | 185.47 | 185.47 | 185.42 | 184.80 | |
| 23 | 183.86 | 186.33 | 186.14 | 187.32 | 190.66 | 189.96 | 186.37 | 185.40 | 185.51 | 185.46 | 185.41 | 184.79 | |
| 24 | 183.88 | 188.26 | 185.87 | 186.69 | 190.05 | 190.61 | 186.29 | 185.39 | 185.52 | 185.45 | 185.40 | 184.73 | |
| 25 | 183.89 | 189.77 | 185.83 | 186.13 | 189.78 | 190.65 | 186.26 | 185.37 | 185.52 | 185.44 | 185.39 | 184.68 | |
| 26 | 183.87 | 188.73 | 186.49 | 186.21 | 190.62 | 190.28 | 186.16 | 185.35 | 185.52 | 185.43 | 185.38 | 184.67 | |
| 27 | 183.96 | 187.00 | 187.82 | 186.93 | 190.96 | 190.00 | 186.18 | 185.35 | 185.51 | 185.43 | 185.38 | 184.67 | |
| 28 | 184.67 | 186.22 | 189.12 | 186.37 | 191.01 | 189.69 | 186.11 | 185.36 | 185.49 | 185.43 | 185.39 | 184.67 | |
| 29 | 184.94 | 186.40 | 189.56 | 185.95 | 191.02 | 189.41 | 186.05 | 185.35 | 185.49 | 185.42 | | 184.67 | |
| 30 | 186.26 | 186.80 | 188.15 | 185.69 | 190.84 | 189.08 | 186.01 | 185.34 | 185.48 | 185.42 | | 184.67 | |
| 31 | | 186.81 | | 186.68 | 190.92 | | 185.91 | | 185.48 | 185.42 | | 184.67 | |
| Mean | 183.97 | 186.71 | 186.66 | 186.07 | 188.79 | 188.97 | 188.79 | 185.56 | 185.33 | 185.51 | 185.42 | 184.89 | |
| Max | 186.26 | 189.77 | 189.56 | 187.80 | 191.14 | 191.60 | 191.99 | 185.95 | 185.52 | 185.63 | 185.45 | 185.38 | 191.99 |
| Min | 183.77 | 185.18 | 185.21 | 185.16 | 185.90 | 186.76 | 185.91 | 185.34 | 185.16 | 185.41 | 185.38 | 184.67 | 183.77 |

Annual Max Momentary Gage Height 192.03 m. (MSL.) , at 17.00 Hours , on Oct 10, 2006

Zero Gage at Bottom Elevation 183.43 m. (MSL.) , River Bed 181.21 m. (MSL.)

Left Bank Elevation 191.87 m. (MSL.) ,

Right Bank Elevation 190.33 m. (MSL.) , Drainage Are 1,309 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 27.14 | 25.76 | 14.48 | 41.80 | 120.20 | 29.78 | 4.46 | 1.98 | 2.80 | 2.39 | 2.22 | | |
| 2 | 0.00 | 43.60 | 38.46 | 15.29 | 73.95 | 150.00 | 29.21 | 4.78 | 1.94 | 3.16 | 2.39 | 2.10 | | |
| 3 | 0.00 | 41.80 | 36.50 | 19.70 | 85.80 | 93.20 | 31.16 | 4.73 | 1.86 | 3.29 | 2.39 | 1.86 | | |
| 4 | 0.00 | 18.98 | 26.33 | 13.13 | 59.50 | 60.50 | 43.40 | 4.51 | 1.78 | 3.34 | 2.39 | 1.62 | | |
| 5 | 0.00 | 9.95 | 15.29 | 8.53 | 22.31 | 35.80 | 87.20 | 4.42 | 1.66 | 3.34 | 2.44 | 1.58 | | |
| 6 | 0.00 | 6.35 | 8.30 | 4.60 | 9.05 | 18.17 | 140.80 | 4.24 | 1.62 | 3.34 | 2.44 | 1.50 | | |
| 7 | 0.00 | 5.08 | 4.96 | 3.52 | 5.15 | 12.35 | 127.00 | 3.74 | 1.62 | 3.34 | 2.48 | 1.18 | | |
| 8 | 0.00 | 9.88 | 3.74 | 2.71 | 4.55 | 10.78 | 108.80 | 3.61 | 1.66 | 3.34 | 2.48 | 0.98 | | |
| 9 | 0.00 | 8.08 | 3.20 | 2.30 | 7.18 | 10.70 | 155.20 | 3.56 | 1.58 | 3.25 | 2.44 | 0.74 | | |
| 10 | 0.00 | 8.23 | 2.35 | 2.06 | 9.88 | 11.38 | 303.80 | 3.34 | 1.50 | 3.20 | 2.44 | 0.46 | | |
| 11 | 0.00 | 10.03 | 2.10 | 1.98 | 8.15 | 26.79 | 303.80 | 3.25 | 1.38 | 3.07 | 2.39 | 0.21 | | |
| 12 | 0.00 | 7.33 | 2.30 | 1.98 | 7.55 | 39.44 | 179.00 | 3.02 | 1.34 | 3.02 | 2.35 | 0.12 | | |
| 13 | 0.00 | 4.28 | 2.26 | 2.02 | 8.98 | 38.46 | 99.20 | 2.84 | 1.34 | 3.02 | 2.35 | 0.12 | | |
| 14 | 0.00 | 3.61 | 2.18 | 2.62 | 12.35 | 26.56 | 77.10 | 2.80 | 1.46 | 2.98 | 2.35 | 0.09 | | |
| 15 | 0.00 | 3.43 | 1.86 | 2.22 | 16.91 | 16.91 | 60.75 | 2.71 | 1.58 | 2.71 | 2.44 | 0.09 | | |
| 16 | 0.00 | 2.66 | 1.66 | 1.66 | 13.94 | 12.50 | 48.00 | 2.57 | 1.74 | 2.71 | 2.44 | 0.00 | | |
| 17 | 0.00 | 2.26 | 1.54 | 1.34 | 13.40 | 12.59 | 39.72 | 2.48 | 1.86 | 2.66 | 2.48 | 0.00 | | |
| 18 | 0.00 | 1.62 | 1.54 | 1.62 | 11.90 | 15.92 | 29.78 | 2.48 | 1.94 | 2.57 | 2.48 | 0.00 | | |
| 19 | 0.00 | 1.42 | 1.98 | 1.34 | 23.11 | 26.91 | 14.93 | 2.62 | 2.02 | 2.44 | 2.53 | 0.00 | | |
| 20 | 0.00 | 1.74 | 9.73 | 2.89 | 50.40 | 35.52 | 11.38 | 2.57 | 2.06 | 2.44 | 2.53 | 0.00 | | |
| 21 | 0.00 | 2.18 | 19.34 | 6.50 | 72.15 | 33.70 | 9.73 | 2.57 | 2.26 | 2.35 | 2.48 | 0.00 | | |
| 22 | 0.00 | 3.65 | 11.23 | 14.93 | 77.10 | 32.89 | 8.60 | 2.44 | 2.62 | 2.62 | 2.39 | 0.00 | | |
| 23 | 0.00 | 7.48 | 6.05 | 15.38 | 64.10 | 48.20 | 7.78 | 2.30 | 2.80 | 2.57 | 2.35 | 0.00 | | |
| 24 | 0.00 | 24.49 | 4.42 | 10.18 | 50.00 | 62.35 | 7.18 | 2.26 | 2.84 | 2.53 | 2.30 | 0.00 | | |
| 25 | 0.00 | 44.40 | 4.24 | 5.98 | 44.60 | 63.75 | 6.95 | 2.18 | 2.84 | 2.48 | 2.26 | 0.00 | | |
| 26 | 0.00 | 29.90 | 8.68 | 6.58 | 62.70 | 54.60 | 6.20 | 2.10 | 2.84 | 2.44 | 2.22 | 0.00 | | |
| 27 | 0.00 | 12.50 | 19.88 | 11.98 | 76.20 | 49.00 | 6.35 | 2.10 | 2.80 | 2.44 | 2.22 | 0.00 | | |
| 28 | 0.00 | 6.65 | 34.68 | 7.78 | 78.50 | 42.85 | 5.83 | 2.14 | 2.71 | 2.44 | 2.26 | 0.00 | | |
| 29 | 0.46 | 8.00 | 40.90 | 4.78 | 79.00 | 38.74 | 5.38 | 2.10 | 2.71 | 2.39 | | 0.00 | | |
| 30 | 6.95 | 11.00 | 23.23 | 3.61 | 70.80 | 34.12 | 5.08 | 2.06 | 2.66 | 2.39 | | 0.00 | | |
| 31 | | 11.08 | | 10.10 | 74.40 | | 4.60 | | 2.66 | 2.39 | | 0.00 | | |
| Total | 7.41 | 378.80 | 364.69 | 203.79 | 1235.41 | 1234.88 | 1993.69 | 90.98 | 63.66 | 87.06 | 67.10 | 14.87 | 5742.34 | CMSDAY |
| Mean | 0.25 | 12.22 | 12.16 | 6.57 | 39.85 | 41.16 | 64.31 | 3.03 | 2.05 | 2.81 | 2.40 | 0.48 | 15.73 | CMS |
| Max | 6.95 | 44.40 | 40.90 | 19.70 | 85.80 | 150.00 | 303.80 | 4.78 | 2.84 | 3.34 | 2.53 | 2.22 | 303.80 | CMS |
| Min | 0.00 | 1.42 | 1.54 | 1.34 | 4.55 | 10.70 | 4.60 | 2.06 | 1.34 | 2.35 | 2.22 | 0.00 | 0.00 | CMS |
| Runoff | 0.64 | 32.73 | 31.51 | 17.61 | 106.74 | 106.69 | 172.25 | 7.86 | 5.50 | 7.52 | 5.80 | 1.28 | 496.14 | MCM |

Momentary Peak 332.50 CMS. at 192.03 m. (MSL.) at 17.00 Hours , on Oct 10, 2006

Runoff Yield 12.02 Liters/Second/Square KM. Momentary Peak Yield 254.01 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Loei River at Ban Na Lak , Loei (Kh.28A)

Lat 17 - 18 - 32 N Long 101 - 46 - 25 E

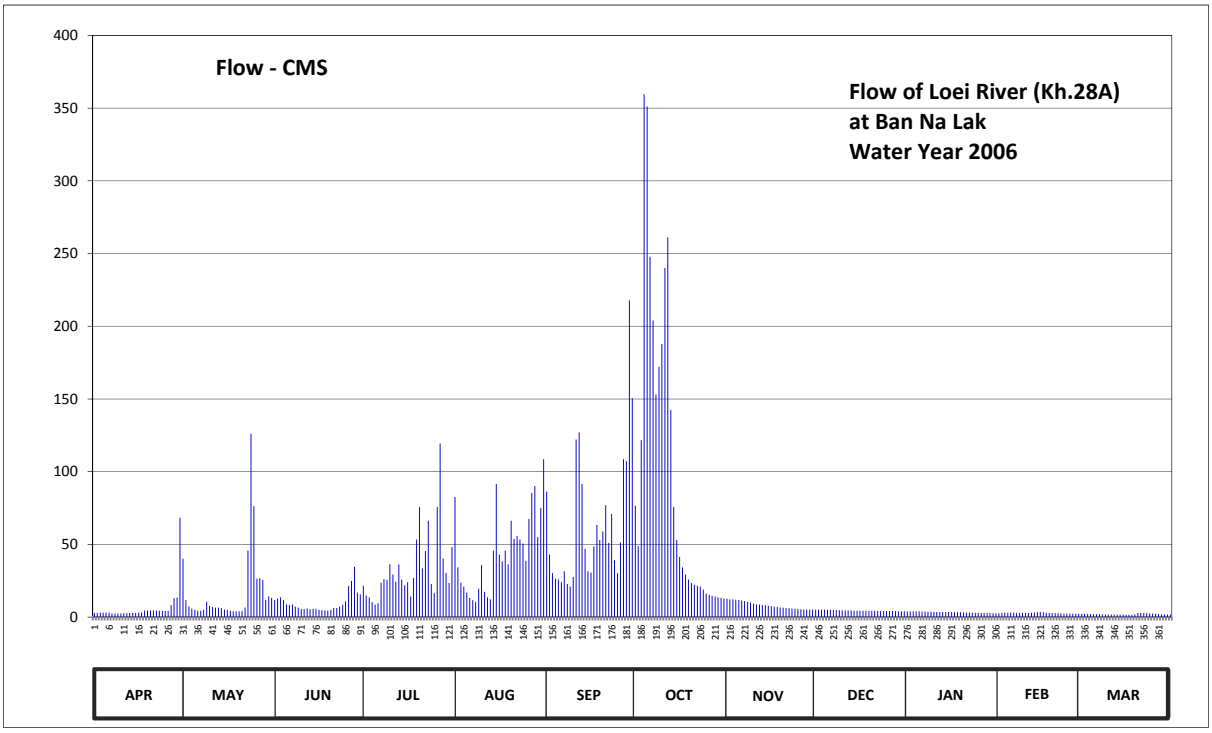
**Location : on right bank at the bridge of Wang Saphung - Loei Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Na Lak | **Amphoe** Wang Saphung | **Changwat** Loei |
| **Drainge Area** | 1,271 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +239.620 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank upstream at the footpath of the bridge. | | **Elevation** +252.730 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1994 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1994 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1994 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 29 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 239.70 | 241.33 | 240.33 | 240.72 | 242.39 | 242.48 | 242.24 | 240.38 | 239.92 | 239.80 | 239.66 | 239.63 | |
| 2 | 239.70 | 240.34 | 240.39 | 240.49 | 241.14 | 241.40 | 241.55 | 240.36 | 239.92 | 239.80 | 239.68 | 239.62 | |
| 3 | 239.71 | 240.09 | 240.43 | 240.43 | 240.79 | 241.01 | 243.27 | 240.36 | 239.92 | 239.79 | 239.71 | 239.62 | |
| 4 | 239.71 | 239.98 | 240.34 | 240.26 | 240.70 | 240.88 | 246.88 | 240.35 | 239.92 | 239.79 | 239.71 | 239.61 | |
| 5 | 239.71 | 239.90 | 240.18 | 240.17 | 240.56 | 240.86 | 246.81 | 240.34 | 239.91 | 239.79 | 239.71 | 239.60 | |
| 6 | 239.71 | 239.84 | 240.16 | 240.22 | 240.41 | 240.80 | 245.54 | 240.32 | 239.91 | 239.78 | 239.71 | 239.60 | |
| 7 | 239.65 | 239.84 | 240.18 | 240.79 | 240.33 | 241.05 | 244.85 | 240.30 | 239.90 | 239.78 | 239.70 | 239.60 | |
| 8 | 239.65 | 239.90 | 240.08 | 240.87 | 240.27 | 240.76 | 243.94 | 240.27 | 239.89 | 239.77 | 239.70 | 239.59 | |
| 9 | 239.65 | 240.28 | 240.03 | 240.85 | 240.65 | 240.70 | 244.31 | 240.25 | 239.88 | 239.77 | 239.70 | 239.59 | |
| 10 | 239.65 | 240.11 | 239.96 | 241.21 | 241.19 | 240.92 | 244.58 | 240.21 | 239.87 | 239.76 | 239.70 | 239.59 | |
| 11 | 239.67 | 240.06 | 239.96 | 240.98 | 240.58 | 243.28 | 245.43 | 240.18 | 239.86 | 239.76 | 239.69 | 239.58 | |
| 12 | 239.67 | 240.03 | 239.99 | 240.81 | 240.43 | 243.39 | 245.73 | 240.17 | 239.86 | 239.75 | 239.70 | 239.58 | |
| 13 | 239.68 | 240.03 | 239.94 | 241.21 | 240.36 | 242.60 | 243.73 | 240.15 | 239.85 | 239.75 | 239.72 | 239.58 | |
| 14 | 239.70 | 240.01 | 239.97 | 240.86 | 241.47 | 241.50 | 242.22 | 240.14 | 239.84 | 239.75 | 239.74 | 239.57 | |
| 15 | 239.70 | 239.93 | 239.97 | 240.73 | 242.60 | 241.05 | 241.65 | 240.12 | 239.84 | 239.75 | 239.75 | 239.57 | |
| 16 | 239.71 | 239.88 | 239.90 | 240.80 | 241.40 | 241.02 | 241.36 | 240.10 | 239.84 | 239.75 | 239.74 | 239.56 | |
| 17 | 239.72 | 239.84 | 239.88 | 240.46 | 241.28 | 241.54 | 241.14 | 240.08 | 239.84 | 239.74 | 239.70 | 239.56 | |
| 18 | 239.85 | 239.80 | 239.86 | 240.90 | 241.47 | 241.91 | 240.98 | 240.06 | 239.83 | 239.74 | 239.68 | 239.56 | |
| 19 | 239.86 | 239.80 | 239.84 | 241.66 | 241.21 | 241.65 | 240.86 | 240.04 | 239.83 | 239.74 | 239.67 | 239.60 | |
| 20 | 239.85 | 239.80 | 239.88 | 242.22 | 241.98 | 241.80 | 240.78 | 240.03 | 239.83 | 239.73 | 239.67 | 239.69 | |
| 21 | 239.85 | 239.83 | 240.02 | 241.12 | 241.67 | 242.25 | 240.74 | 240.01 | 239.83 | 239.72 | 239.66 | 239.69 | |
| 22 | 239.84 | 240.04 | 240.02 | 241.46 | 241.72 | 241.60 | 240.72 | 240.00 | 239.83 | 239.71 | 239.65 | 239.68 | |
| 23 | 239.84 | 241.47 | 240.08 | 241.98 | 241.66 | 242.10 | 240.70 | 239.98 | 239.82 | 239.71 | 239.64 | 239.67 | |
| 24 | 239.82 | 243.37 | 240.17 | 240.76 | 241.59 | 241.30 | 240.63 | 239.97 | 239.82 | 239.70 | 239.64 | 239.65 | |
| 25 | 239.82 | 242.23 | 240.29 | 240.55 | 241.29 | 241.01 | 240.54 | 239.96 | 239.82 | 239.69 | 239.64 | 239.64 | |
| 26 | 239.83 | 240.88 | 240.71 | 242.22 | 242.01 | 241.61 | 240.51 | 239.94 | 239.82 | 239.69 | 239.64 | 239.63 | |
| 27 | 240.15 | 240.89 | 240.83 | 243.22 | 242.46 | 242.98 | 240.48 | 239.92 | 239.82 | 239.68 | 239.63 | 239.61 | |
| 28 | 240.40 | 240.85 | 241.15 | 241.33 | 242.57 | 242.95 | 240.46 | 239.92 | 239.82 | 239.68 | 239.63 | 239.60 | |
| 29 | 240.42 | 240.34 | 240.56 | 241.01 | 241.70 | 245.08 | 240.43 | 239.92 | 239.81 | 239.67 | | 239.59 | |
| 30 | 242.03 | 240.46 | 240.52 | 240.78 | 242.20 | 243.89 | 240.41 | 239.92 | 239.81 | 239.67 | | 239.58 | |
| 31 | | 240.41 | | 241.53 | 242.98 | | 240.39 | | 239.81 | 239.66 | | 239.57 | |
| Mean | 239.87 | 240.37 | 240.19 | 241.05 | 241.39 | 241.85 | 242.38 | 240.12 | 239.85 | 239.74 | 239.68 | 239.61 | |
| Max | 242.03 | 243.37 | 241.15 | 243.22 | 242.98 | 245.08 | 246.88 | 240.38 | 239.92 | 239.80 | 239.75 | 239.69 | 246.88 |
| Min | 239.65 | 239.80 | 239.84 | 240.17 | 240.27 | 240.70 | 240.39 | 239.92 | 239.81 | 239.66 | 239.63 | 239.56 | 239.56 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 247.62 | m. (MSL.) , | at 21.00 Hours , on Oct 4 , 2006 | | |
| Zero Gage at Bottom Elevation | 239.62 | m. (MSL.) , | River Bed | 238.18 | m. (MSL.) |
| Left Bank Elevation | 253.64 | m. (MSL.) , | | | |
| Right Bank Elevation | 253.65 | m. (MSL.) , | Drainage Are | 1,271 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.00 | 40.20 | 11.60 | 21.60 | 82.60 | 86.20 | 76.60 | 12.60 | 5.20 | 4.00 | 2.60 | 2.30 | | |
| 2 | 3.00 | 11.80 | 12.80 | 14.80 | 34.20 | 43.00 | 49.00 | 12.20 | 5.20 | 4.00 | 2.80 | 2.20 | | |
| 3 | 3.10 | 7.35 | 13.60 | 13.60 | 23.70 | 30.30 | 121.65 | 12.20 | 5.20 | 3.90 | 3.10 | 2.20 | | |
| 4 | 3.10 | 5.80 | 11.80 | 10.20 | 21.00 | 26.40 | 359.60 | 12.00 | 5.20 | 3.90 | 3.10 | 2.10 | | |
| 5 | 3.10 | 5.00 | 8.70 | 8.55 | 16.80 | 25.80 | 351.20 | 11.80 | 5.10 | 3.90 | 3.10 | 2.00 | | |
| 6 | 3.10 | 4.40 | 8.40 | 9.40 | 13.20 | 24.00 | 247.80 | 11.40 | 5.10 | 3.80 | 3.10 | 2.00 | | |
| 7 | 2.50 | 4.40 | 8.70 | 23.70 | 11.60 | 31.50 | 204.00 | 11.00 | 5.00 | 3.80 | 3.00 | 2.00 | | |
| 8 | 2.50 | 5.00 | 7.20 | 26.10 | 10.40 | 22.80 | 153.00 | 10.40 | 4.90 | 3.70 | 3.00 | 1.90 | | |
| 9 | 2.50 | 10.60 | 6.45 | 25.50 | 19.50 | 21.00 | 172.05 | 10.00 | 4.80 | 3.70 | 3.00 | 1.90 | | |
| 10 | 2.50 | 7.65 | 5.60 | 36.30 | 35.70 | 27.60 | 187.80 | 9.20 | 4.70 | 3.60 | 3.00 | 1.90 | | |
| 11 | 2.70 | 6.90 | 5.60 | 29.40 | 17.40 | 122.10 | 240.10 | 8.70 | 4.60 | 3.60 | 2.90 | 1.80 | | |
| 12 | 2.70 | 6.45 | 5.90 | 24.30 | 13.60 | 127.05 | 261.10 | 8.55 | 4.60 | 3.50 | 3.00 | 1.80 | | |
| 13 | 2.80 | 6.45 | 5.40 | 36.30 | 12.20 | 91.50 | 142.50 | 8.25 | 4.50 | 3.50 | 3.20 | 1.80 | | |
| 14 | 3.00 | 6.15 | 5.70 | 25.80 | 45.80 | 47.00 | 75.80 | 8.10 | 4.40 | 3.50 | 3.40 | 1.70 | | |
| 15 | 3.00 | 5.30 | 5.70 | 21.90 | 91.50 | 31.50 | 53.00 | 7.80 | 4.40 | 3.50 | 3.50 | 1.70 | | |
| 16 | 3.10 | 4.80 | 5.00 | 24.00 | 43.00 | 30.60 | 41.40 | 7.50 | 4.40 | 3.50 | 3.40 | 1.60 | | |
| 17 | 3.20 | 4.40 | 4.80 | 14.20 | 38.40 | 48.60 | 34.20 | 7.20 | 4.40 | 3.40 | 3.00 | 1.60 | | |
| 18 | 4.50 | 4.00 | 4.60 | 27.00 | 45.80 | 63.40 | 29.40 | 6.90 | 4.30 | 3.40 | 2.80 | 1.60 | | |
| 19 | 4.60 | 4.00 | 4.40 | 53.40 | 36.30 | 53.00 | 25.80 | 6.60 | 4.30 | 3.40 | 2.70 | 2.00 | | |
| 20 | 4.50 | 4.00 | 4.80 | 75.80 | 66.20 | 59.00 | 23.40 | 6.45 | 4.30 | 3.30 | 2.70 | 2.90 | | |
| 21 | 4.50 | 4.30 | 6.30 | 33.60 | 53.80 | 77.00 | 22.20 | 6.15 | 4.30 | 3.20 | 2.60 | 2.90 | | |
| 22 | 4.40 | 6.60 | 6.30 | 45.40 | 55.80 | 51.00 | 21.60 | 6.00 | 4.30 | 3.10 | 2.50 | 2.80 | | |
| 23 | 4.40 | 45.80 | 7.20 | 66.20 | 53.40 | 71.00 | 21.00 | 5.80 | 4.20 | 3.10 | 2.40 | 2.70 | | |
| 24 | 4.20 | 126.15 | 8.55 | 22.80 | 50.60 | 39.00 | 18.90 | 5.70 | 4.20 | 3.00 | 2.40 | 2.50 | | |
| 25 | 4.20 | 76.20 | 10.80 | 16.50 | 38.70 | 30.30 | 16.20 | 5.60 | 4.20 | 2.90 | 2.40 | 2.40 | | |
| 26 | 4.30 | 26.40 | 21.30 | 75.80 | 67.40 | 51.40 | 15.30 | 5.40 | 4.20 | 2.90 | 2.40 | 2.30 | | |
| 27 | 8.25 | 26.70 | 24.90 | 119.40 | 85.40 | 108.60 | 14.60 | 5.20 | 4.20 | 2.80 | 2.30 | 2.10 | | |
| 28 | 13.00 | 25.50 | 34.50 | 40.20 | 90.15 | 107.25 | 14.20 | 5.20 | 4.20 | 2.80 | 2.30 | 2.00 | | |
| 29 | 13.40 | 11.80 | 16.80 | 30.30 | 55.00 | 217.80 | 13.60 | 5.20 | 4.10 | 2.70 | | 1.90 | | |
| 30 | 68.20 | 14.20 | 15.60 | 23.40 | 75.00 | 150.50 | 13.20 | 5.20 | 4.10 | 2.70 | | 1.80 | | |
| 31 | | 13.20 | | 48.20 | 108.60 | | 12.80 | | 4.10 | 2.60 | | 1.70 | | |
| Total | 191.35 | 531.50 | 299.00 | 1043.65 | 1412.75 | 1916.20 | 3033.00 | 244.30 | 140.70 | 104.70 | 79.70 | 64.10 | 9060.95 | CMSDAY |
| Mean | 6.38 | 17.15 | 9.97 | 33.67 | 45.57 | 63.87 | 97.84 | 8.14 | 4.54 | 3.38 | 2.85 | 2.07 | 24.82 | CMS |
| Max | 68.20 | 126.15 | 34.50 | 119.40 | 108.60 | 217.80 | 359.60 | 12.60 | 5.20 | 4.00 | 3.50 | 2.90 | 359.60 | CMS |
| Min | 2.50 | 4.00 | 4.40 | 8.55 | 10.40 | 21.00 | 12.80 | 5.20 | 4.10 | 2.60 | 2.30 | 1.60 | 1.60 | CMS |
| Runoff | 16.53 | 45.92 | 25.83 | 90.17 | 122.06 | 165.56 | 262.05 | 21.11 | 12.16 | 9.05 | 6.89 | 5.54 | 782.87 | MCM |

Momentary Peak 459.20 CMS. at 247.62 m. (MSL.) at 21.00 Hours , on Oct 4 , 2006

Runoff Yield 19.53 Liters/Second/Square KM. Momentary Peak Yield 361.29 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Luang at Ban Nong Wua So , Udon Thani (Kh.53)

Lat 17 - 15 - 51 N Long 102 - 35 - 47 E

**Location : on right bank at the bridge of Udon Thani - Nong Bua Lamphu Highway at guidepost 26.5**

**Ban** Nong Wua So **Amphoe** Nong Wua So **Changwat** Udon Thani

| | |
|---|---|
| **Drainge Area** | 421 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +201.314 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On right bank downstream side at the footpath of the bridge. **Elevation** +206.018 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1970 to date |
| **Rating Operation** | |
| **Period of Rating** | 1975 - 1986 , 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1975 - 1986 , 1997 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Huai Luang barrage.<br>Stage-discharge relation defined by 12 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

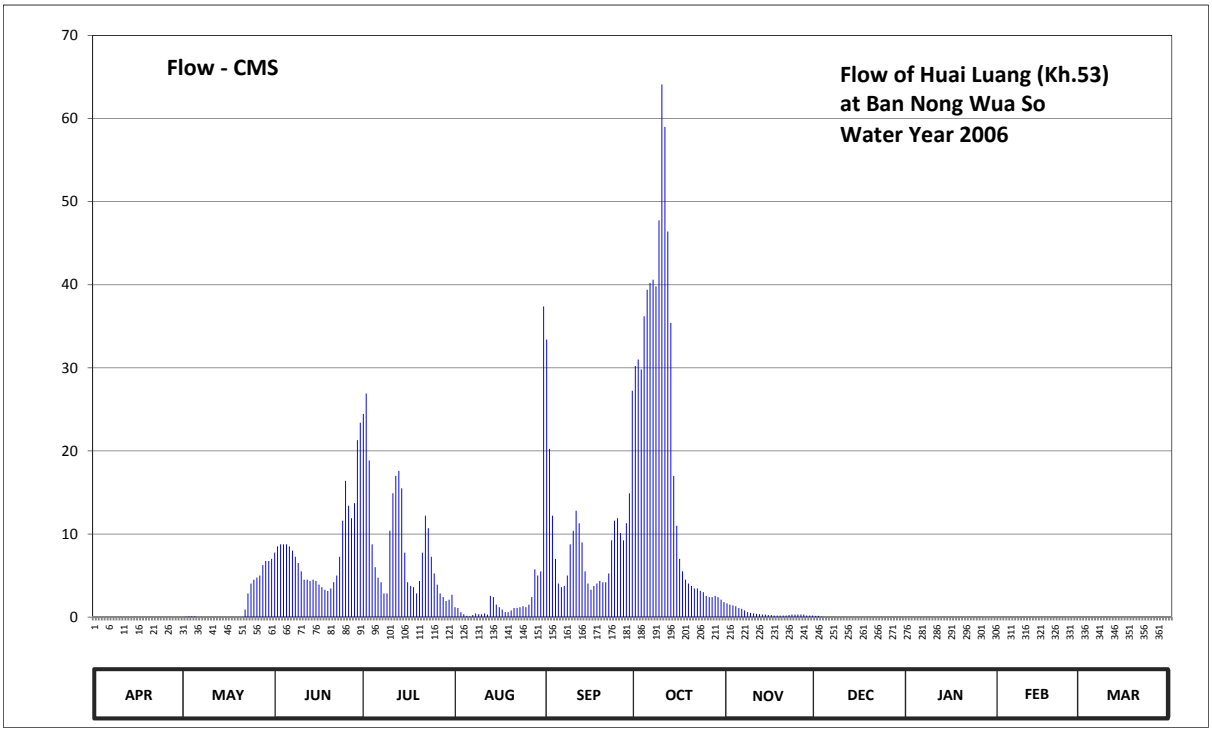
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 203.18 | 203.99 | 204.63 | 205.17 | 204.27 | 205.41 | 205.33 | 204.31 | 204.13 | 204.08 | 204.06 | 204.01 | |
| 2 | 203.16 | 204.11 | 204.66 | 205.24 | 204.26 | 205.05 | 205.35 | 204.30 | 204.13 | 204.08 | 204.05 | 204.01 | |
| 3 | 203.16 | 204.12 | 204.67 | 205.01 | 204.21 | 204.79 | 205.32 | 204.29 | 204.11 | 204.08 | 204.04 | 204.01 | |
| 4 | 203.15 | 204.12 | 204.67 | 204.67 | 204.17 | 204.60 | 205.48 | 204.28 | 204.10 | 204.08 | 204.04 | 204.01 | |
| 5 | 203.15 | 204.12 | 204.67 | 204.56 | 204.13 | 204.47 | 205.56 | 204.26 | 204.10 | 204.08 | 204.03 | 204.01 | |
| 6 | 203.15 | 204.10 | 204.66 | 204.51 | 204.12 | 204.44 | 205.58 | 204.25 | 204.10 | 204.08 | 204.02 | 204.01 | |
| 7 | 203.15 | 204.09 | 204.64 | 204.48 | 204.15 | 204.45 | 205.59 | 204.23 | 204.10 | 204.08 | 204.04 | 204.00 | |
| 8 | 203.13 | 204.08 | 204.61 | 204.39 | 204.19 | 204.52 | 205.57 | 204.21 | 204.10 | 204.08 | 204.05 | 203.99 | |
| 9 | 203.11 | 204.08 | 204.58 | 204.39 | 204.17 | 204.67 | 205.75 | 204.20 | 204.10 | 204.08 | 204.04 | 203.98 | |
| 10 | 203.11 | 204.08 | 204.54 | 204.73 | 204.17 | 204.73 | 206.03 | 204.19 | 204.09 | 204.08 | 204.04 | 203.98 | |
| 11 | 203.11 | 204.07 | 204.50 | 204.88 | 204.19 | 204.81 | 205.95 | 204.18 | 204.09 | 204.08 | 204.03 | 203.97 | |
| 12 | 203.11 | 204.07 | 204.50 | 204.95 | 204.16 | 204.76 | 205.72 | 204.17 | 204.08 | 204.08 | 204.03 | 203.96 | |
| 13 | 203.11 | 204.06 | 204.49 | 204.97 | 204.37 | 204.68 | 205.46 | 204.16 | 204.08 | 204.08 | 204.03 | 203.96 | |
| 14 | 203.14 | 204.06 | 204.50 | 204.90 | 204.36 | 204.54 | 204.95 | 204.16 | 204.08 | 204.08 | 204.03 | 203.95 | |
| 15 | 203.39 | 204.04 | 204.49 | 204.63 | 204.30 | 204.47 | 204.75 | 204.15 | 204.08 | 204.08 | 204.03 | 203.95 | |
| 16 | 203.47 | 204.02 | 204.46 | 204.48 | 204.27 | 204.42 | 204.60 | 204.15 | 204.08 | 204.07 | 204.03 | 203.94 | |
| 17 | 203.48 | 203.99 | 204.44 | 204.45 | 204.24 | 204.45 | 204.54 | 204.14 | 204.08 | 204.07 | 204.02 | 203.93 | |
| 18 | 203.48 | 203.96 | 204.42 | 204.44 | 204.21 | 204.47 | 204.50 | 204.14 | 204.08 | 204.06 | 204.02 | 203.91 | |
| 19 | 203.47 | 203.98 | 204.41 | 204.39 | 204.21 | 204.49 | 204.47 | 204.14 | 204.08 | 204.05 | 204.01 | 203.91 | |
| 20 | 203.48 | 203.98 | 204.43 | 204.49 | 204.23 | 204.48 | 204.45 | 204.14 | 204.08 | 204.07 | 204.00 | 203.91 | |
| 21 | 203.48 | 204.01 | 204.48 | 204.63 | 204.26 | 204.48 | 204.43 | 204.14 | 204.08 | 204.07 | 204.00 | 203.90 | |
| 22 | 203.51 | 204.24 | 204.52 | 204.79 | 204.26 | 204.53 | 204.43 | 204.15 | 204.08 | 204.08 | 203.99 | 203.90 | |
| 23 | 203.74 | 204.39 | 204.61 | 204.74 | 204.27 | 204.69 | 204.41 | 204.16 | 204.08 | 204.07 | 204.00 | 203.89 | |
| 24 | 203.79 | 204.47 | 204.77 | 204.61 | 204.28 | 204.77 | 204.40 | 204.16 | 204.08 | 204.07 | 204.00 | 203.89 | |
| 25 | 203.81 | 204.50 | 204.93 | 204.53 | 204.27 | 204.78 | 204.37 | 204.16 | 204.08 | 204.07 | 204.00 | 203.89 | |
| 26 | 203.82 | 204.51 | 204.83 | 204.46 | 204.30 | 204.72 | 204.36 | 204.16 | 204.08 | 204.07 | 204.00 | 203.89 | |
| 27 | 203.83 | 204.52 | 204.78 | 204.39 | 204.36 | 204.69 | 204.36 | 204.16 | 204.08 | 204.07 | 204.00 | 203.89 | |
| 28 | 203.84 | 204.57 | 204.84 | 204.36 | 204.55 | 204.76 | 204.37 | 204.14 | 204.08 | 204.07 | 203.99 | 203.89 | |
| 29 | 203.85 | 204.59 | 205.08 | 204.33 | 204.52 | 204.88 | 204.36 | 204.14 | 204.08 | 204.07 | | 203.89 | |
| 30 | 203.86 | 204.59 | 205.14 | 204.34 | 204.54 | 205.25 | 204.34 | 204.14 | 204.08 | 204.07 | | 203.89 | |
| 31 | | 204.60 | | 204.38 | 205.51 | | 204.32 | | 204.08 | 204.07 | | 203.88 | |
| Mean | 203.41 | 204.20 | 204.63 | 204.62 | 204.31 | 204.67 | 204.94 | 204.19 | 204.09 | 204.07 | 204.02 | 203.94 | |
| Max | 203.86 | 204.60 | 205.14 | 205.24 | 205.51 | 205.41 | 206.03 | 204.31 | 204.13 | 204.08 | 204.06 | 204.01 | 206.03 |
| Min | 203.11 | 203.96 | 204.41 | 204.33 | 204.12 | 204.42 | 204.32 | 204.14 | 204.08 | 204.05 | 203.99 | 203.88 | 203.11 |

Annual Max Momentary Gage Height 206.06 m. (MSL.) , at 18.00 Hours , on Oct 10, 2006

Zero Gage at Bottom Elevation 201.31 m. (MSL.) , River Bed 203.29 m. (MSL.)

Left Bank Elevation 207.84 m. (MSL.) ,

Right Bank Elevation 207.87 m. (MSL.) , Drainage Are 421 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 7.75 | 24.45 | 1.20 | 33.40 | 30.20 | 1.65 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.05 | 8.50 | 26.90 | 1.10 | 20.25 | 31.00 | 1.50 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.10 | 8.75 | 18.85 | 0.60 | 12.20 | 29.80 | 1.40 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.10 | 8.75 | 8.75 | 0.35 | 7.00 | 36.20 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.10 | 8.75 | 6.00 | 0.15 | 4.05 | 39.40 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 8.50 | 4.75 | 0.10 | 3.60 | 40.20 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 8.00 | 4.20 | 0.25 | 3.75 | 40.60 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 7.25 | 2.85 | 0.45 | 5.00 | 39.80 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 6.50 | 2.85 | 0.35 | 8.75 | 47.75 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 5.50 | 10.40 | 0.35 | 10.40 | 64.10 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 4.50 | 14.90 | 0.45 | 12.80 | 59.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 4.50 | 17.00 | 0.30 | 11.30 | 46.40 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 4.35 | 17.60 | 2.55 | 9.00 | 35.40 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 4.50 | 15.50 | 2.40 | 5.50 | 17.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 4.35 | 7.75 | 1.50 | 4.05 | 11.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 3.90 | 4.20 | 1.20 | 3.30 | 7.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 3.60 | 3.75 | 0.90 | 3.75 | 5.50 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 3.30 | 3.60 | 0.60 | 4.05 | 4.50 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 3.15 | 2.85 | 0.60 | 4.35 | 4.05 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 3.45 | 4.35 | 0.80 | 4.20 | 3.75 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 4.20 | 7.75 | 1.10 | 4.20 | 3.45 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.90 | 5.00 | 12.20 | 1.10 | 5.25 | 3.45 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 2.85 | 7.25 | 10.70 | 1.20 | 9.25 | 3.15 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 4.05 | 11.60 | 7.25 | 1.30 | 11.60 | 3.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 4.50 | 16.40 | 5.25 | 1.20 | 11.90 | 2.55 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 4.75 | 13.40 | 3.90 | 1.50 | 10.10 | 2.40 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 5.00 | 11.90 | 2.85 | 2.40 | 9.25 | 2.40 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 6.25 | 13.70 | 2.40 | 5.75 | 11.30 | 2.55 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 6.75 | 21.30 | 1.95 | 5.00 | 14.90 | 2.40 | 0.20 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 6.75 | 23.40 | 2.10 | 5.50 | 27.25 | 2.10 | 0.20 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 7.00 | | 2.70 | 37.40 | | 1.80 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 49.15 | 246.00 | 260.55 | 79.65 | 285.70 | 621.90 | 15.50 | 0.35 | 0.00 | 0.00 | 0.00 | 1558.80 | CMSDAY |
| Mean | 0.00 | 1.59 | 8.20 | 8.40 | 2.57 | 9.52 | 20.06 | 0.52 | 0.01 | 0.00 | 0.00 | 0.00 | 4.27 | CMS |
| Max | 0.00 | 7.00 | 23.40 | 26.90 | 37.40 | 33.40 | 64.10 | 1.65 | 0.15 | 0.00 | 0.00 | 0.00 | 64.10 | CMS |
| Min | 0.00 | 0.00 | 3.15 | 1.95 | 0.10 | 3.30 | 1.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 4.25 | 21.25 | 22.51 | 6.88 | 24.68 | 53.73 | 1.34 | 0.03 | 0.00 | 0.00 | 0.00 | 134.68 | MCM |

Momentary Peak 66.20 CMS. at 206.06 m. (MSL.) at 18.00 Hours , on Oct 10, 2006

Runoff Yield 10.14 Liters/Second/Square KM. Momentary Peak Yield 157.24 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam Un at Ban Na Wa , Nakhon Phanom (Kh.54)

Lat 17 - 29 - 33 N Long 104 - 06 - 50 E

**Location : on left bank at Ban Na Wa.**

| | | | |
|---|---|---|---|
| | **Ban** Na Wa | **Amphoe** Na Wa | **Changwat** Nakhon Phanom |
| **Drainge Area** | 3,123 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +138.050 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On left bank at the footpath of the bridge. | | **Elevation** +149.914 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1970 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1970 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1970 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

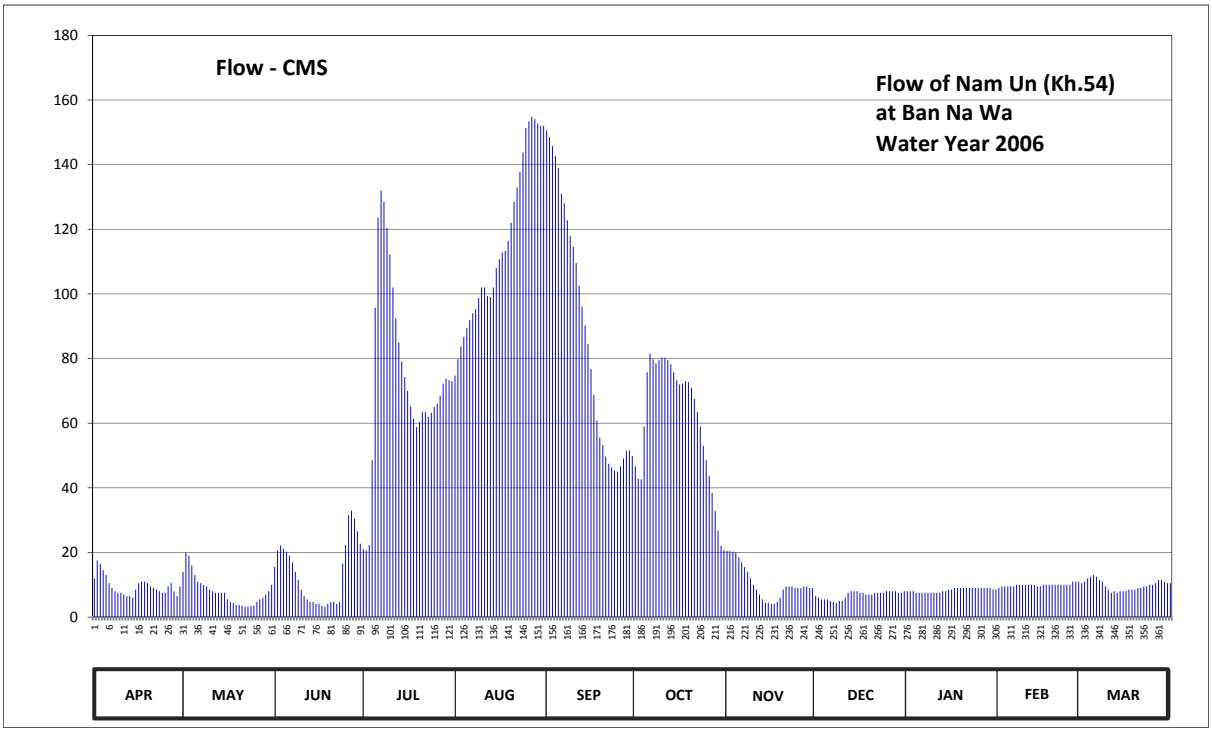
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 140.34 | 140.38 | 140.41 | 140.70 | 143.95 | 146.18 | 142.54 | 140.60 | 140.23 | 140.26 | 140.28 | 140.31 | |
| 2 | 140.45 | 140.51 | 140.62 | 140.64 | 144.15 | 146.15 | 142.30 | 140.59 | 140.22 | 140.26 | 140.29 | 140.32 | |
| 3 | 140.43 | 140.48 | 140.82 | 140.83 | 144.31 | 146.11 | 142.29 | 140.55 | 140.21 | 140.26 | 140.29 | 140.34 | |
| 4 | 140.39 | 140.42 | 140.71 | 142.66 | 144.43 | 146.06 | 143.25 | 140.51 | 140.21 | 140.25 | 140.29 | 140.35 | |
| 5 | 140.36 | 140.36 | 140.55 | 144.79 | 144.54 | 146.00 | 143.99 | 140.47 | 140.21 | 140.25 | 140.29 | 140.36 | |
| 6 | 140.31 | 140.32 | 140.48 | 145.69 | 144.64 | 145.86 | 144.22 | 140.44 | 140.20 | 140.25 | 140.29 | 140.35 | |
| 7 | 140.28 | 140.31 | 140.44 | 145.88 | 144.72 | 145.80 | 144.15 | 140.41 | 140.19 | 140.25 | 140.30 | 140.33 | |
| 8 | 140.26 | 140.30 | 140.38 | 145.81 | 144.77 | 145.67 | 144.10 | 140.38 | 140.18 | 140.25 | 140.30 | 140.32 | |
| 9 | 140.25 | 140.29 | 140.33 | 145.61 | 144.89 | 145.53 | 144.14 | 140.34 | 140.20 | 140.25 | 140.30 | 140.29 | |
| 10 | 140.25 | 140.27 | 140.27 | 145.34 | 145.00 | 145.42 | 144.17 | 140.30 | 140.20 | 140.25 | 140.30 | 140.27 | |
| 11 | 140.24 | 140.26 | 140.23 | 145.00 | 145.00 | 145.25 | 144.17 | 140.27 | 140.22 | 140.25 | 140.30 | 140.25 | |
| 12 | 140.23 | 140.25 | 140.21 | 144.66 | 144.91 | 145.02 | 144.14 | 140.24 | 140.25 | 140.25 | 140.30 | 140.26 | |
| 13 | 140.23 | 140.25 | 140.19 | 144.36 | 144.90 | 144.80 | 144.09 | 140.21 | 140.26 | 140.26 | 140.30 | 140.25 | |
| 14 | 140.22 | 140.25 | 140.19 | 144.12 | 145.00 | 144.57 | 143.99 | 140.18 | 140.26 | 140.26 | 140.29 | 140.26 | |
| 15 | 140.27 | 140.25 | 140.17 | 143.93 | 145.20 | 144.34 | 143.89 | 140.18 | 140.26 | 140.27 | 140.29 | 140.26 | |
| 16 | 140.31 | 140.21 | 140.17 | 143.76 | 145.29 | 144.03 | 143.84 | 140.17 | 140.25 | 140.27 | 140.30 | 140.26 | |
| 17 | 140.32 | 140.19 | 140.15 | 143.56 | 145.36 | 143.71 | 143.85 | 140.17 | 140.25 | 140.28 | 140.30 | 140.27 | |
| 18 | 140.32 | 140.18 | 140.14 | 143.37 | 145.38 | 143.34 | 143.88 | 140.19 | 140.24 | 140.28 | 140.30 | 140.27 | |
| 19 | 140.31 | 140.16 | 140.17 | 143.24 | 145.48 | 143.08 | 143.87 | 140.22 | 140.24 | 140.28 | 140.30 | 140.27 | |
| 20 | 140.29 | 140.16 | 140.19 | 143.32 | 145.65 | 142.95 | 143.80 | 140.27 | 140.24 | 140.28 | 140.30 | 140.28 | |
| 21 | 140.28 | 140.15 | 140.19 | 143.47 | 145.81 | 142.73 | 143.66 | 140.29 | 140.25 | 140.28 | 140.30 | 140.28 | |
| 22 | 140.27 | 140.14 | 140.17 | 143.47 | 145.90 | 142.59 | 143.47 | 140.29 | 140.25 | 140.28 | 140.30 | 140.29 | |
| 23 | 140.26 | 140.14 | 140.19 | 143.40 | 145.98 | 142.52 | 143.25 | 140.29 | 140.25 | 140.28 | 140.30 | 140.29 | |
| 24 | 140.25 | 140.15 | 140.43 | 143.46 | 146.08 | 142.46 | 142.94 | 140.28 | 140.25 | 140.28 | 140.30 | 140.30 | |
| 25 | 140.25 | 140.15 | 140.83 | 143.55 | 146.19 | 142.44 | 142.66 | 140.28 | 140.26 | 140.28 | 140.30 | 140.30 | |
| 26 | 140.29 | 140.19 | 141.54 | 143.60 | 146.22 | 142.54 | 142.35 | 140.28 | 140.26 | 140.28 | 140.32 | 140.31 | |
| 27 | 140.31 | 140.21 | 141.64 | 143.70 | 146.24 | 142.69 | 142.03 | 140.29 | 140.26 | 140.28 | 140.32 | 140.33 | |
| 28 | 140.26 | 140.22 | 141.46 | 143.85 | 146.23 | 142.84 | 141.63 | 140.29 | 140.26 | 140.28 | 140.32 | 140.33 | |
| 29 | 140.23 | 140.24 | 141.18 | 143.91 | 146.21 | 142.85 | 141.19 | 140.28 | 140.25 | 140.28 | | 140.32 | |
| 30 | 140.29 | 140.26 | 140.87 | 143.89 | 146.20 | 142.74 | 140.81 | 140.28 | 140.25 | 140.27 | | 140.31 | |
| 31 | | 140.30 | | 143.88 | 146.20 | | 140.64 | | 140.26 | 140.27 | | 140.31 | |
| Mean | 140.29 | 140.26 | 140.51 | 143.79 | 145.32 | 144.21 | 143.20 | 140.32 | 140.24 | 140.27 | 140.30 | 140.30 | |
| Max | 140.45 | 140.51 | 141.64 | 145.88 | 146.24 | 146.18 | 144.22 | 140.60 | 140.26 | 140.28 | 140.32 | 140.36 | 146.24 |
| Min | 140.22 | 140.14 | 140.14 | 140.64 | 143.95 | 142.44 | 140.64 | 140.17 | 140.18 | 140.25 | 140.28 | 140.25 | 140.14 |

Annual Max Momentary Gage Height 146.24 m. (MSL.) , at 01.00 Hours , on Aug 27 , 2006

Zero Gage at Bottom Elevation 138.05 m. (MSL.) , River Bed 138.58 m. (MSL.)

Left Bank Elevation 149.70 m. (MSL.) ,

Right Bank Elevation 149.67 m. (MSL.) , Drainage Are 3,123 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.00 | 14.00 | 15.50 | 21.00 | 74.75 | 150.60 | 46.64 | 20.50 | 6.50 | 8.00 | 9.00 | 10.50 | | |
| 2 | 17.50 | 20.05 | 20.60 | 20.70 | 79.75 | 148.50 | 42.80 | 20.45 | 6.00 | 8.00 | 9.50 | 11.00 | | |
| 3 | 16.50 | 19.00 | 22.20 | 22.30 | 83.75 | 145.70 | 42.64 | 20.25 | 5.50 | 8.00 | 9.50 | 12.00 | | |
| 4 | 14.50 | 16.00 | 21.10 | 48.56 | 86.75 | 142.60 | 59.00 | 20.05 | 5.50 | 7.50 | 9.50 | 12.50 | | |
| 5 | 13.00 | 13.00 | 20.25 | 95.75 | 89.50 | 139.00 | 75.75 | 18.50 | 5.50 | 7.50 | 9.50 | 13.00 | | |
| 6 | 10.50 | 11.00 | 19.00 | 123.60 | 92.00 | 131.00 | 81.50 | 17.00 | 5.00 | 7.50 | 9.50 | 12.50 | | |
| 7 | 9.00 | 10.50 | 17.00 | 132.00 | 94.00 | 128.00 | 79.75 | 15.50 | 4.70 | 7.50 | 10.00 | 11.50 | | |
| 8 | 8.00 | 10.00 | 14.00 | 128.50 | 95.25 | 122.80 | 78.50 | 14.00 | 4.40 | 7.50 | 10.00 | 11.00 | | |
| 9 | 7.50 | 9.50 | 11.50 | 120.40 | 98.70 | 117.90 | 79.50 | 12.00 | 5.00 | 7.50 | 10.00 | 9.50 | | |
| 10 | 7.50 | 8.50 | 8.50 | 112.20 | 102.00 | 114.60 | 80.25 | 10.00 | 5.00 | 7.50 | 10.00 | 8.50 | | |
| 11 | 7.00 | 8.00 | 6.50 | 102.00 | 102.00 | 109.50 | 80.25 | 8.50 | 6.00 | 7.50 | 10.00 | 7.50 | | |
| 12 | 6.50 | 7.50 | 5.50 | 92.50 | 99.30 | 102.60 | 79.50 | 7.00 | 7.50 | 7.50 | 10.00 | 8.00 | | |
| 13 | 6.50 | 7.50 | 4.70 | 85.00 | 99.00 | 96.00 | 78.25 | 5.50 | 8.00 | 8.00 | 10.00 | 7.50 | | |
| 14 | 6.00 | 7.50 | 4.70 | 79.00 | 102.00 | 90.25 | 75.75 | 4.40 | 8.00 | 8.00 | 9.50 | 8.00 | | |
| 15 | 8.50 | 7.50 | 4.10 | 74.25 | 108.00 | 84.50 | 73.25 | 4.40 | 8.00 | 8.50 | 9.50 | 8.00 | | |
| 16 | 10.50 | 5.50 | 4.10 | 70.00 | 110.70 | 76.75 | 72.00 | 4.10 | 7.50 | 8.50 | 10.00 | 8.00 | | |
| 17 | 11.00 | 4.70 | 3.50 | 65.20 | 112.80 | 68.75 | 72.25 | 4.10 | 7.50 | 9.00 | 10.00 | 8.50 | | |
| 18 | 11.00 | 4.40 | 3.20 | 61.40 | 113.40 | 60.80 | 73.00 | 4.70 | 7.00 | 9.00 | 10.00 | 8.50 | | |
| 19 | 10.50 | 3.80 | 4.10 | 58.80 | 116.40 | 55.60 | 72.75 | 6.00 | 7.00 | 9.00 | 10.00 | 8.50 | | |
| 20 | 9.50 | 3.80 | 4.70 | 60.40 | 122.00 | 53.20 | 71.00 | 8.50 | 7.00 | 9.00 | 10.00 | 9.00 | | |
| 21 | 9.00 | 3.50 | 4.70 | 63.40 | 128.50 | 49.68 | 67.50 | 9.50 | 7.50 | 9.00 | 10.00 | 9.00 | | |
| 22 | 8.50 | 3.20 | 4.10 | 63.40 | 133.00 | 47.44 | 63.40 | 9.50 | 7.50 | 9.00 | 10.00 | 9.50 | | |
| 23 | 8.00 | 3.20 | 4.70 | 62.00 | 137.80 | 46.32 | 59.00 | 9.50 | 7.50 | 9.00 | 10.00 | 9.50 | | |
| 24 | 7.50 | 3.50 | 16.50 | 63.20 | 143.80 | 45.36 | 53.04 | 9.00 | 7.50 | 9.00 | 10.00 | 10.00 | | |
| 25 | 7.50 | 3.50 | 22.30 | 65.00 | 151.30 | 45.04 | 48.56 | 9.00 | 8.00 | 9.00 | 10.00 | 10.00 | | |
| 26 | 9.50 | 4.70 | 31.56 | 66.00 | 153.40 | 46.64 | 43.60 | 9.00 | 8.00 | 9.00 | 11.00 | 10.50 | | |
| 27 | 10.50 | 5.50 | 32.96 | 68.50 | 154.80 | 49.04 | 38.48 | 9.50 | 8.00 | 9.00 | 11.00 | 11.50 | | |
| 28 | 8.00 | 6.00 | 30.44 | 72.25 | 154.10 | 51.44 | 32.82 | 9.50 | 8.00 | 9.00 | 11.00 | 11.50 | | |
| 29 | 6.50 | 7.00 | 26.52 | 73.75 | 152.70 | 51.60 | 26.66 | 9.00 | 7.50 | 9.00 | | 11.00 | | |
| 30 | 9.50 | 8.00 | 22.70 | 73.25 | 152.00 | 49.84 | 22.10 | 9.00 | 7.50 | 8.50 | | 10.50 | | |
| 31 | | 10.00 | | 73.00 | 152.00 | | 20.70 | | 8.00 | 8.50 | | 10.50 | | |
| Total | 287.50 | 249.85 | 411.23 | 2317.31 | 3595.45 | 2621.05 | 1890.19 | 317.95 | 211.60 | 258.50 | 278.50 | 307.00 | 12746.13 | CMSDAY |
| Mean | 9.58 | 8.06 | 13.71 | 74.75 | 115.98 | 87.37 | 60.97 | 10.60 | 6.83 | 8.34 | 9.95 | 9.90 | 34.92 | CMS |
| Max | 17.50 | 20.05 | 32.96 | 132.00 | 154.80 | 150.60 | 81.50 | 20.50 | 8.00 | 9.00 | 11.00 | 13.00 | 154.80 | CMS |
| Min | 6.00 | 3.20 | 3.20 | 20.70 | 74.75 | 45.04 | 20.70 | 4.10 | 4.40 | 7.50 | 9.00 | 7.50 | 3.20 | CMS |
| Runoff | 24.84 | 21.59 | 35.53 | 200.22 | 310.65 | 226.46 | 163.31 | 27.47 | 18.28 | 22.33 | 24.06 | 26.52 | 1101.27 | MCM |

Momentary Peak 154.80 CMS. at 146.24 m. (MSL.) at 01.00 Hours , on Aug 27 , 2006

Runoff Yield 11.18 Liters/Second/Square KM. Momentary Peak Yield 49.57 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Loei River at Ban Fak Loei , Loei (Kh.58A)

Lat 17 - 29 - 36 N Long 101 - 44 - 17 E

**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Fak Loei | **Amphoe** Mueang | **Changwat** Loei |
| **Drainge Area** | 3,093 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +229.000 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On left bank upstream side at the abutment of the bridge. | | **Elevation** +240.440 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1979 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1990 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1990 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 70 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

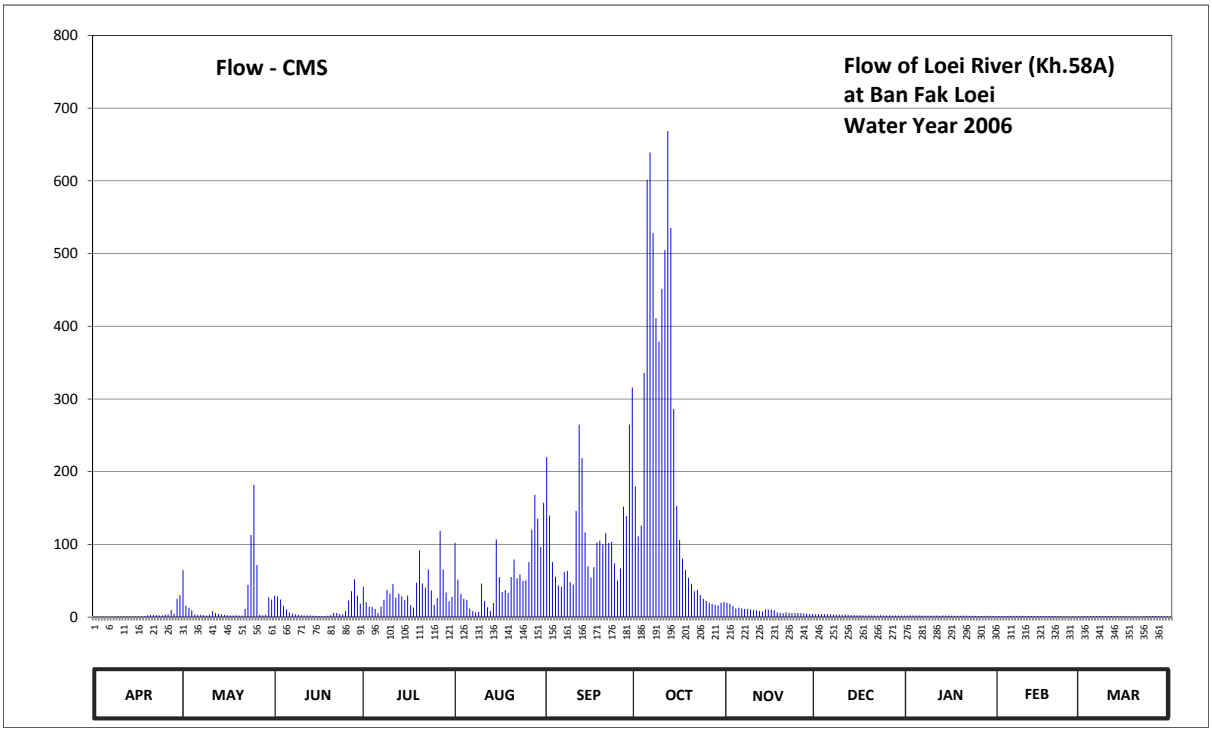
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 230.25 | 231.99 | 231.26 | 231.51 | 232.63 | 234.46 | 233.88 | 231.06 | 230.60 | 230.41 | 230.36 | 230.32 | |
| 2 | 230.25 | 230.97 | 231.24 | 231.07 | 231.72 | 233.25 | 232.78 | 231.03 | 230.60 | 230.44 | 230.36 | 230.33 | |
| 3 | 230.25 | 230.90 | 231.15 | 230.92 | 231.31 | 232.18 | 233.03 | 230.96 | 230.61 | 230.44 | 230.36 | 230.34 | |
| 4 | 230.26 | 230.80 | 230.96 | 230.92 | 231.17 | 231.80 | 235.96 | 230.87 | 230.60 | 230.44 | 230.36 | 230.34 | |
| 5 | 230.26 | 230.57 | 230.83 | 230.85 | 231.13 | 231.56 | 238.61 | 230.90 | 230.60 | 230.44 | 230.37 | 230.35 | |
| 6 | 230.25 | 230.51 | 230.71 | 230.69 | 230.86 | 231.51 | 238.90 | 230.87 | 230.58 | 230.42 | 230.37 | 230.35 | |
| 7 | 230.25 | 230.50 | 230.65 | 230.94 | 230.77 | 231.94 | 238.01 | 230.85 | 230.55 | 230.42 | 230.37 | 230.35 | |
| 8 | 230.26 | 230.46 | 230.60 | 231.14 | 230.72 | 231.97 | 236.83 | 230.85 | 230.55 | 230.42 | 230.37 | 230.35 | |
| 9 | 230.28 | 230.41 | 230.53 | 231.43 | 230.74 | 231.64 | 236.46 | 230.83 | 230.54 | 230.42 | 230.37 | 230.36 | |
| 10 | 230.29 | 230.54 | 230.47 | 231.32 | 231.61 | 231.58 | 237.25 | 230.81 | 230.53 | 230.41 | 230.36 | 230.36 | |
| 11 | 230.28 | 230.76 | 230.45 | 231.59 | 231.11 | 233.35 | 237.78 | 230.79 | 230.52 | 230.41 | 230.35 | 230.36 | |
| 12 | 230.27 | 230.67 | 230.45 | 231.20 | 230.91 | 235.07 | 239.11 | 230.77 | 230.51 | 230.40 | 230.35 | 230.34 | |
| 13 | 230.27 | 230.63 | 230.43 | 231.32 | 230.77 | 234.44 | 238.07 | 230.75 | 230.49 | 230.41 | 230.35 | 230.32 | |
| 14 | 230.26 | 230.57 | 230.39 | 231.24 | 231.05 | 232.87 | 235.34 | 230.83 | 230.48 | 230.41 | 230.35 | 230.33 | |
| 15 | 230.26 | 230.50 | 230.37 | 231.13 | 232.71 | 232.08 | 233.46 | 230.83 | 230.47 | 230.40 | 230.35 | 230.32 | |
| 16 | 230.27 | 230.46 | 230.35 | 231.26 | 231.79 | 231.78 | 232.70 | 230.82 | 230.46 | 230.40 | 230.35 | 230.31 | |
| 17 | 230.28 | 230.45 | 230.36 | 230.98 | 231.36 | 232.06 | 232.26 | 230.79 | 230.45 | 230.39 | 230.36 | 230.30 | |
| 18 | 230.31 | 230.44 | 230.36 | 230.90 | 231.42 | 232.64 | 231.99 | 230.71 | 230.45 | 230.39 | 230.36 | 230.29 | |
| 19 | 230.45 | 230.47 | 230.40 | 231.63 | 231.34 | 232.68 | 231.77 | 230.70 | 230.45 | 230.39 | 230.36 | 230.27 | |
| 20 | 230.49 | 230.42 | 230.46 | 232.45 | 231.79 | 232.59 | 231.60 | 230.67 | 230.45 | 230.39 | 230.35 | 230.27 | |
| 21 | 230.48 | 230.41 | 230.68 | 231.61 | 232.24 | 232.86 | 231.39 | 230.72 | 230.43 | 230.39 | 230.34 | 230.29 | |
| 22 | 230.46 | 230.85 | 230.68 | 231.49 | 231.76 | 232.63 | 231.43 | 230.70 | 230.42 | 230.39 | 230.31 | 230.30 | |
| 23 | 230.45 | 231.57 | 230.61 | 232.01 | 231.87 | 232.65 | 231.28 | 230.69 | 230.44 | 230.38 | 230.29 | 230.33 | |
| 24 | 230.45 | 232.81 | 230.60 | 231.41 | 231.68 | 232.15 | 231.17 | 230.69 | 230.45 | 230.38 | 230.28 | 230.35 | |
| 25 | 230.54 | 233.92 | 230.77 | 230.99 | 231.70 | 231.69 | 231.11 | 230.68 | 230.45 | 230.37 | 230.29 | 230.35 | |
| 26 | 230.57 | 232.11 | 231.12 | 231.19 | 232.18 | 232.03 | 231.06 | 230.67 | 230.44 | 230.36 | 230.31 | 230.35 | |
| 27 | 230.81 | 230.53 | 231.39 | 232.91 | 232.94 | 233.44 | 231.02 | 230.65 | 230.41 | 230.37 | 230.28 | 230.32 | |
| 28 | 230.64 | 230.43 | 231.73 | 232.01 | 233.70 | 233.24 | 231.00 | 230.65 | 230.41 | 230.37 | 230.31 | 230.31 | |
| 29 | 231.17 | 230.53 | 231.26 | 231.35 | 233.18 | 235.07 | 230.98 | 230.62 | 230.42 | 230.37 | | 230.30 | |
| 30 | 231.28 | 231.21 | 231.03 | 231.10 | 232.53 | 235.71 | 231.06 | 230.61 | 230.41 | 230.37 | | 230.30 | |
| 31 | | 231.15 | | 231.23 | 233.53 | | 231.08 | | 230.41 | 230.36 | | 230.31 | |
| Mean | 230.42 | 230.92 | 230.74 | 231.35 | 231.75 | 232.76 | 233.82 | 230.78 | 230.49 | 230.40 | 230.34 | 230.32 | |
| Max | 231.28 | 233.92 | 231.73 | 232.91 | 233.70 | 235.71 | 239.11 | 231.06 | 230.61 | 230.44 | 230.37 | 230.36 | 239.11 |
| Min | 230.25 | 230.41 | 230.35 | 230.69 | 230.72 | 231.51 | 230.98 | 230.61 | 230.41 | 230.36 | 230.28 | 230.27 | 230.25 |

Annual Max Momentary Gage Height 239.23 m. (MSL.) , at 12.00 Hours , on Oct 12, 2006

Zero Gage at Bottom Elevation 229.00 m. (MSL.) , River Bed 229.42 m. (MSL.)

Left Bank Elevation 240.43 m. (MSL.) ,

Right Bank Elevation 240.45 m. (MSL.) , Drainage Are 3,093 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.75 | 64.52 | 29.48 | 41.48 | 102.17 | 220.12 | 179.44 | 19.88 | 4.00 | 2.10 | 1.60 | 1.20 | | |
| 2 | 0.75 | 15.80 | 28.52 | 20.36 | 51.56 | 139.75 | 111.02 | 18.44 | 4.00 | 2.40 | 1.60 | 1.30 | | |
| 3 | 0.75 | 13.00 | 24.20 | 13.80 | 31.88 | 75.62 | 125.89 | 15.40 | 4.20 | 2.40 | 1.60 | 1.40 | | |
| 4 | 0.80 | 9.50 | 15.40 | 13.80 | 25.16 | 55.40 | 335.80 | 11.95 | 4.00 | 2.40 | 1.60 | 1.40 | | |
| 5 | 0.80 | 3.70 | 10.55 | 11.25 | 23.24 | 43.88 | 601.30 | 13.00 | 4.00 | 2.40 | 1.70 | 1.50 | | |
| 6 | 0.75 | 3.10 | 6.35 | 5.80 | 11.60 | 41.48 | 639.00 | 11.95 | 3.80 | 2.20 | 1.70 | 1.50 | | |
| 7 | 0.75 | 3.00 | 5.00 | 14.60 | 8.45 | 62.12 | 528.20 | 11.25 | 3.50 | 2.20 | 1.70 | 1.50 | | |
| 8 | 0.80 | 2.60 | 4.00 | 23.72 | 6.70 | 63.56 | 411.21 | 11.25 | 3.50 | 2.20 | 1.70 | 1.50 | | |
| 9 | 0.90 | 2.10 | 3.30 | 37.64 | 7.40 | 47.72 | 379.02 | 10.55 | 3.40 | 2.20 | 1.70 | 1.60 | | |
| 10 | 0.95 | 3.40 | 2.70 | 32.36 | 46.28 | 44.84 | 451.25 | 9.85 | 3.30 | 2.10 | 1.60 | 1.60 | | |
| 11 | 0.90 | 8.10 | 2.50 | 45.32 | 22.28 | 146.05 | 504.78 | 9.15 | 3.20 | 2.10 | 1.50 | 1.60 | | |
| 12 | 0.85 | 5.40 | 2.50 | 26.60 | 13.40 | 264.60 | 668.60 | 8.45 | 3.10 | 2.00 | 1.50 | 1.40 | | |
| 13 | 0.85 | 4.60 | 2.30 | 32.36 | 8.45 | 218.68 | 535.40 | 7.75 | 2.90 | 2.10 | 1.50 | 1.20 | | |
| 14 | 0.80 | 3.70 | 1.90 | 28.52 | 19.40 | 116.33 | 286.20 | 10.55 | 2.80 | 2.10 | 1.50 | 1.30 | | |
| 15 | 0.80 | 3.00 | 1.70 | 23.24 | 106.89 | 69.72 | 152.98 | 10.55 | 2.70 | 2.00 | 1.50 | 1.20 | | |
| 16 | 0.85 | 2.60 | 1.50 | 29.48 | 54.92 | 54.44 | 106.30 | 10.20 | 2.60 | 2.00 | 1.50 | 1.10 | | |
| 17 | 0.90 | 2.50 | 1.60 | 16.20 | 34.28 | 68.54 | 80.34 | 9.15 | 2.50 | 1.90 | 1.60 | 1.00 | | |
| 18 | 1.10 | 2.40 | 1.60 | 13.00 | 37.16 | 102.76 | 64.52 | 6.35 | 2.50 | 1.90 | 1.60 | 0.95 | | |
| 19 | 2.50 | 2.70 | 2.00 | 47.24 | 33.32 | 105.12 | 53.96 | 6.00 | 2.50 | 1.90 | 1.60 | 0.85 | | |
| 20 | 2.90 | 2.20 | 2.60 | 91.55 | 54.92 | 99.81 | 45.80 | 5.40 | 2.50 | 1.90 | 1.50 | 0.85 | | |
| 21 | 2.80 | 2.10 | 5.60 | 46.28 | 79.16 | 115.74 | 35.72 | 6.70 | 2.30 | 1.90 | 1.40 | 0.95 | | |
| 22 | 2.60 | 11.25 | 5.60 | 40.52 | 53.48 | 102.17 | 37.64 | 6.00 | 2.20 | 1.90 | 1.10 | 1.00 | | |
| 23 | 2.50 | 44.36 | 4.20 | 65.59 | 58.76 | 103.35 | 30.44 | 5.80 | 2.40 | 1.80 | 0.95 | 1.30 | | |
| 24 | 2.50 | 112.79 | 4.00 | 36.68 | 49.64 | 73.85 | 25.16 | 5.80 | 2.50 | 1.80 | 0.90 | 1.50 | | |
| 25 | 3.40 | 181.96 | 8.45 | 16.60 | 50.60 | 50.12 | 22.28 | 5.60 | 2.50 | 1.70 | 0.95 | 1.50 | | |
| 26 | 3.70 | 71.49 | 22.76 | 26.12 | 75.62 | 66.77 | 19.88 | 5.40 | 2.40 | 1.60 | 1.10 | 1.50 | | |
| 27 | 9.85 | 3.30 | 35.72 | 118.69 | 120.46 | 151.72 | 17.96 | 5.00 | 2.10 | 1.70 | 0.90 | 1.20 | | |
| 28 | 4.80 | 2.30 | 52.04 | 65.59 | 168.10 | 139.12 | 17.00 | 5.00 | 2.10 | 1.70 | 1.10 | 1.10 | | |
| 29 | 25.16 | 3.30 | 29.48 | 33.80 | 135.34 | 264.60 | 16.20 | 4.40 | 2.20 | 1.70 | | 1.00 | | |
| 30 | 30.44 | 27.08 | 18.44 | 21.80 | 96.27 | 315.80 | 19.88 | 4.20 | 2.10 | 1.70 | | 1.00 | | |
| 31 | | 24.20 | | 28.04 | 157.39 | | 20.84 | | 2.10 | 1.60 | | 1.10 | | |
| Total | 108.20 | 642.05 | 335.99 | 1068.03 | 1744.28 | 3423.78 | 6524.01 | 270.97 | 89.90 | 61.60 | 40.20 | 39.10 | 14348.11 | CMSDAY |
| Mean | 3.61 | 20.71 | 11.20 | 34.45 | 56.27 | 114.13 | 210.45 | 9.03 | 2.90 | 1.99 | 1.44 | 1.26 | 39.31 | CMS |
| Max | 30.44 | 181.96 | 52.04 | 118.69 | 168.10 | 315.80 | 668.60 | 19.88 | 4.20 | 2.40 | 1.70 | 1.60 | 668.60 | CMS |
| Min | 0.75 | 2.10 | 1.50 | 5.80 | 6.70 | 41.48 | 16.20 | 4.20 | 2.10 | 1.60 | 0.90 | 0.85 | 0.75 | CMS |
| Runoff | 9.35 | 55.47 | 29.03 | 92.28 | 150.71 | 295.81 | 563.67 | 23.41 | 7.77 | 5.32 | 3.47 | 3.38 | 1239.68 | MCM |

Momentary Peak 688.10 CMS. at 239.23 m. (MSL.) at 12.00 Hours , on Oct 12, 2006

Runoff Yield 12.71 Liters/Second/Square KM. Momentary Peak Yield 222.47 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Loei River at Ban Keng Bong , Loei (Kh.61)

Lat 17 - 07 - 44 N Long 101 - 40 - 56 E

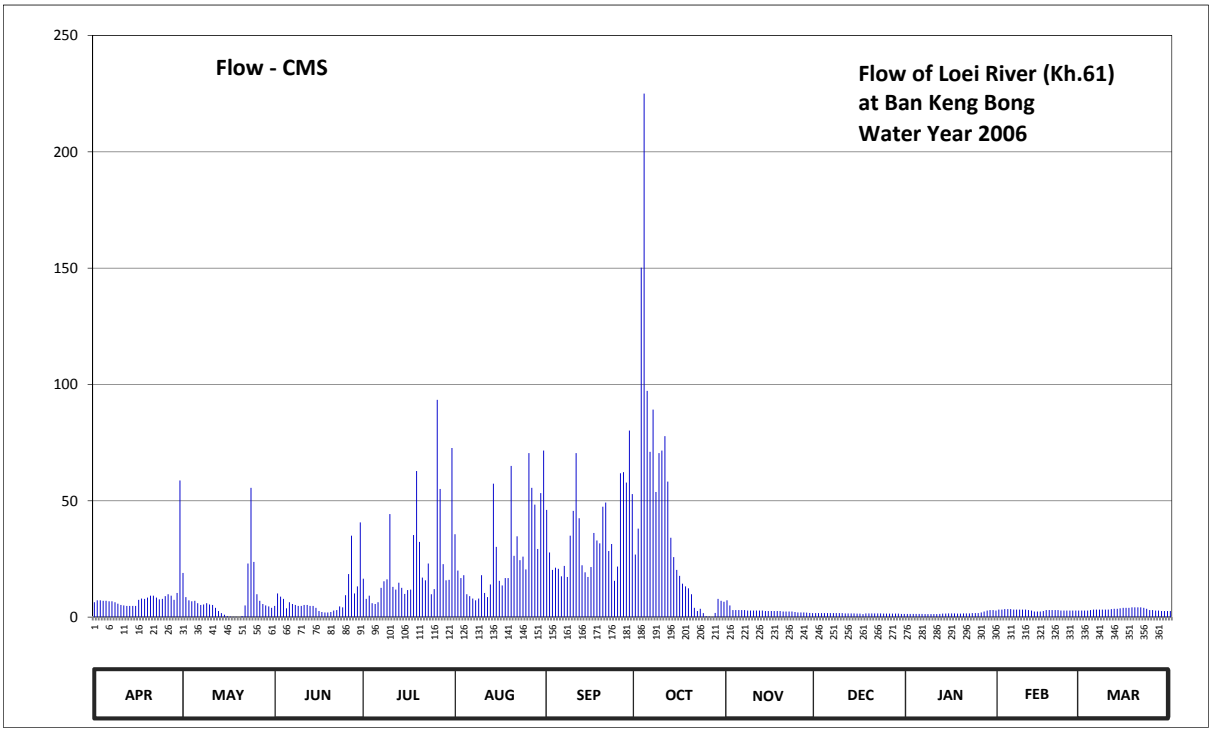
**Location : on right bank at the bridge of Amphoe Wang Saphung - Ban Nong Khan Road.**

| | | | |
|---|---|---|---|
| | **Ban** Keng Bong | **Amphoe** Phu Luang | **Changwat** Loei |
| **Drainge Area** | 549 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +258.361 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank downstream side at the footpath of the bridge. | | **Elevation** +272.020 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1982 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1993 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1993 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 26 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 259.42 | 260.02 | 259.34 | 259.92 | 260.62 | 260.88 | 260.33 | 259.46 | 259.17 | 259.14 | 259.26 | 259.24 | |
| 2 | 259.46 | 259.53 | 259.61 | 259.49 | 260.06 | 260.36 | 260.70 | 259.35 | 259.17 | 259.14 | 259.26 | 259.24 | |
| 3 | 259.46 | 259.46 | 259.54 | 259.56 | 259.93 | 260.07 | 262.59 | 259.25 | 259.17 | 259.14 | 259.27 | 259.24 | |
| 4 | 259.45 | 259.44 | 259.49 | 259.40 | 259.98 | 260.11 | 263.40 | 259.25 | 259.17 | 259.14 | 259.27 | 259.25 | |
| 5 | 259.45 | 259.45 | 259.29 | 259.38 | 259.59 | 260.09 | 261.85 | 259.25 | 259.17 | 259.14 | 259.27 | 259.26 | |
| 6 | 259.44 | 259.40 | 259.42 | 259.42 | 259.55 | 259.96 | 261.41 | 259.25 | 259.17 | 259.14 | 259.26 | 259.26 | |
| 7 | 259.44 | 259.36 | 259.38 | 259.73 | 259.50 | 260.14 | 261.72 | 259.25 | 259.17 | 259.13 | 259.26 | 259.26 | |
| 8 | 259.42 | 259.37 | 259.36 | 259.87 | 259.46 | 259.95 | 261.05 | 259.24 | 259.17 | 259.13 | 259.26 | 259.26 | |
| 9 | 259.39 | 259.40 | 259.34 | 259.91 | 259.50 | 260.60 | 261.40 | 259.24 | 259.17 | 259.13 | 259.26 | 259.26 | |
| 10 | 259.36 | 259.37 | 259.34 | 260.84 | 259.98 | 260.87 | 261.42 | 259.24 | 259.17 | 259.13 | 259.26 | 259.26 | |
| 11 | 259.35 | 259.36 | 259.36 | 259.75 | 259.62 | 261.40 | 261.53 | 259.24 | 259.16 | 259.13 | 259.25 | 259.27 | |
| 12 | 259.34 | 259.30 | 259.36 | 259.69 | 259.53 | 260.80 | 261.15 | 259.24 | 259.16 | 259.14 | 259.24 | 259.28 | |
| 13 | 259.34 | 259.23 | 259.34 | 259.84 | 259.80 | 260.15 | 260.57 | 259.24 | 259.16 | 259.15 | 259.22 | 259.28 | |
| 14 | 259.34 | 259.17 | 259.34 | 259.73 | 261.13 | 260.03 | 260.29 | 259.23 | 259.16 | 259.15 | 259.22 | 259.29 | |
| 15 | 259.34 | 259.10 | 259.30 | 259.60 | 260.44 | 259.95 | 260.07 | 259.23 | 259.15 | 259.16 | 259.22 | 259.30 | |
| 16 | 259.47 | 259.04 | 259.23 | 259.68 | 259.88 | 260.12 | 259.97 | 259.23 | 259.15 | 259.16 | 259.23 | 259.30 | |
| 17 | 259.50 | 259.02 | 259.21 | 259.69 | 259.78 | 260.64 | 259.82 | 259.23 | 259.13 | 259.16 | 259.25 | 259.30 | |
| 18 | 259.49 | 259.01 | 259.20 | 260.61 | 259.93 | 260.53 | 259.76 | 259.23 | 259.16 | 259.15 | 259.25 | 259.31 | |
| 19 | 259.52 | 259.01 | 259.20 | 261.25 | 259.93 | 260.49 | 259.72 | 259.23 | 259.16 | 259.15 | 259.25 | 259.31 | |
| 20 | 259.56 | 259.00 | 259.21 | 260.51 | 261.30 | 260.91 | 259.59 | 259.22 | 259.16 | 259.16 | 259.25 | 259.31 | |
| 21 | 259.56 | 259.05 | 259.24 | 259.94 | 260.31 | 260.95 | 259.30 | 259.22 | 259.16 | 259.16 | 259.25 | 259.31 | |
| 22 | 259.52 | 259.35 | 259.25 | 259.89 | 260.59 | 260.38 | 259.23 | 259.22 | 259.16 | 259.16 | 259.24 | 259.30 | |
| 23 | 259.48 | 260.18 | 259.33 | 260.18 | 260.24 | 260.48 | 259.28 | 259.22 | 259.16 | 259.17 | 259.24 | 259.28 | |
| 24 | 259.49 | 261.09 | 259.31 | 259.59 | 260.30 | 259.88 | 259.17 | 259.21 | 259.15 | 259.17 | 259.24 | 259.25 | |
| 25 | 259.55 | 260.21 | 259.57 | 259.70 | 260.08 | 260.13 | 259.04 | 259.20 | 259.15 | 259.17 | 259.24 | 259.25 | |
| 26 | 259.59 | 259.59 | 260.00 | 261.79 | 261.40 | 261.23 | 259.03 | 259.20 | 259.15 | 259.20 | 259.24 | 259.24 | |
| 27 | 259.56 | 259.45 | 260.60 | 261.08 | 261.09 | 261.24 | 259.01 | 259.20 | 259.15 | 259.22 | 259.24 | 259.24 | |
| 28 | 259.47 | 259.38 | 259.61 | 260.17 | 260.93 | 261.14 | 259.18 | 259.19 | 259.15 | 259.24 | 259.24 | 259.23 | |
| 29 | 259.62 | 259.35 | 259.76 | 259.89 | 260.41 | 261.57 | 259.49 | 259.18 | 259.15 | 259.25 | | 259.23 | |
| 30 | 261.16 | 259.33 | 260.76 | 259.90 | 261.04 | 261.03 | 259.45 | 259.17 | 259.14 | 259.25 | | 259.23 | |
| 31 | | 259.30 | | 261.44 | 261.42 | | 259.43 | | 259.14 | 259.24 | | 259.23 | |
| Mean | 259.52 | 259.43 | 259.48 | 260.05 | 260.24 | 260.54 | 260.32 | 259.24 | 259.16 | 259.16 | 259.25 | 259.27 | |
| Max | 261.16 | 261.09 | 260.76 | 261.79 | 261.42 | 261.57 | 263.40 | 259.46 | 259.17 | 259.25 | 259.27 | 259.31 | 263.40 |
| Min | 259.34 | 259.00 | 259.20 | 259.38 | 259.46 | 259.88 | 259.01 | 259.17 | 259.13 | 259.13 | 259.22 | 259.23 | 259.00 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 263.81 | m. (MSL.) , | at 06.00 Hours , on Oct 4 , 2006 | | |
| Zero Gage at Bottom Elevation | 258.36 | m. (MSL.) , | River Bed | 258.71 | m. (MSL.) |
| Left Bank Elevation | 271.80 | m. (MSL.) , | | | |
| Right Bank Elevation | 271.79 | m. (MSL.) , | Drainage Are | 549 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.40 | 19.00 | 4.80 | 16.50 | 35.60 | 46.10 | 26.90 | 7.20 | 1.70 | 1.40 | 3.20 | 2.80 | | |
| 2 | 7.20 | 8.60 | 10.20 | 7.80 | 20.00 | 27.80 | 38.00 | 5.00 | 1.70 | 1.40 | 3.20 | 2.80 | | |
| 3 | 7.20 | 7.20 | 8.80 | 9.20 | 16.75 | 20.25 | 150.20 | 3.00 | 1.70 | 1.40 | 3.40 | 2.80 | | |
| 4 | 7.00 | 6.80 | 7.80 | 6.00 | 18.00 | 21.25 | 225.00 | 3.00 | 1.70 | 1.40 | 3.40 | 3.00 | | |
| 5 | 7.00 | 7.00 | 3.80 | 5.60 | 9.80 | 20.75 | 97.25 | 3.00 | 1.70 | 1.40 | 3.40 | 3.20 | | |
| 6 | 6.80 | 6.00 | 6.40 | 6.40 | 9.00 | 17.50 | 71.05 | 3.00 | 1.70 | 1.40 | 3.20 | 3.20 | | |
| 7 | 6.80 | 5.20 | 5.60 | 12.60 | 8.00 | 22.00 | 89.20 | 3.00 | 1.70 | 1.30 | 3.20 | 3.20 | | |
| 8 | 6.40 | 5.40 | 5.20 | 15.40 | 7.20 | 17.25 | 53.75 | 2.80 | 1.70 | 1.30 | 3.20 | 3.20 | | |
| 9 | 5.80 | 6.00 | 4.80 | 16.25 | 8.00 | 35.00 | 70.50 | 2.80 | 1.70 | 1.30 | 3.20 | 3.20 | | |
| 10 | 5.20 | 5.40 | 4.80 | 44.30 | 18.00 | 45.65 | 71.60 | 2.80 | 1.70 | 1.30 | 3.20 | 3.20 | | |
| 11 | 5.00 | 5.20 | 5.20 | 13.00 | 10.40 | 70.50 | 77.80 | 2.80 | 1.60 | 1.30 | 3.00 | 3.40 | | |
| 12 | 4.80 | 4.00 | 5.20 | 11.80 | 8.60 | 42.50 | 58.25 | 2.80 | 1.60 | 1.40 | 2.80 | 3.60 | | |
| 13 | 4.80 | 2.60 | 4.80 | 14.80 | 14.00 | 22.25 | 34.10 | 2.80 | 1.60 | 1.50 | 2.40 | 3.60 | | |
| 14 | 4.80 | 1.70 | 4.80 | 12.60 | 57.35 | 19.25 | 25.75 | 2.60 | 1.60 | 1.50 | 2.40 | 3.80 | | |
| 15 | 4.80 | 1.00 | 4.00 | 10.00 | 30.20 | 17.25 | 20.25 | 2.60 | 1.50 | 1.60 | 2.40 | 4.00 | | |
| 16 | 7.40 | 0.40 | 2.60 | 11.60 | 15.60 | 21.50 | 17.75 | 2.60 | 1.50 | 1.60 | 2.60 | 4.00 | | |
| 17 | 8.00 | 0.20 | 2.20 | 11.80 | 13.60 | 36.20 | 14.40 | 2.60 | 1.30 | 1.60 | 3.00 | 4.00 | | |
| 18 | 7.80 | 0.10 | 2.00 | 35.30 | 16.75 | 32.90 | 13.20 | 2.60 | 1.60 | 1.50 | 3.00 | 4.20 | | |
| 19 | 8.40 | 0.10 | 2.00 | 62.75 | 16.75 | 31.70 | 12.40 | 2.60 | 1.60 | 1.50 | 3.00 | 4.20 | | |
| 20 | 9.20 | 0.00 | 2.20 | 32.30 | 65.00 | 47.45 | 9.80 | 2.40 | 1.60 | 1.60 | 3.00 | 4.20 | | |
| 21 | 9.20 | 0.50 | 2.80 | 17.00 | 26.30 | 49.25 | 4.00 | 2.40 | 1.60 | 1.60 | 3.00 | 4.20 | | |
| 22 | 8.40 | 5.00 | 3.00 | 15.80 | 34.70 | 28.40 | 2.60 | 2.40 | 1.60 | 1.60 | 2.80 | 4.00 | | |
| 23 | 7.60 | 23.00 | 4.60 | 23.00 | 24.50 | 31.40 | 3.60 | 2.40 | 1.60 | 1.70 | 2.80 | 3.60 | | |
| 24 | 7.80 | 55.55 | 4.20 | 9.80 | 26.00 | 15.60 | 1.70 | 2.20 | 1.50 | 1.70 | 2.80 | 3.00 | | |
| 25 | 9.00 | 23.75 | 9.40 | 12.00 | 20.50 | 21.75 | 0.40 | 2.00 | 1.50 | 1.70 | 2.80 | 3.00 | | |
| 26 | 9.80 | 9.80 | 18.50 | 93.40 | 70.50 | 61.85 | 0.30 | 2.00 | 1.50 | 2.00 | 2.80 | 2.80 | | |
| 27 | 9.20 | 7.00 | 35.00 | 55.10 | 55.55 | 62.30 | 0.10 | 2.00 | 1.50 | 2.40 | 2.80 | 2.80 | | |
| 28 | 7.40 | 5.60 | 10.20 | 22.75 | 48.35 | 57.80 | 1.80 | 1.90 | 1.50 | 2.80 | 2.80 | 2.60 | | |
| 29 | 10.40 | 5.00 | 13.20 | 15.80 | 29.30 | 80.20 | 7.80 | 1.80 | 1.50 | 3.00 | | 2.60 | | |
| 30 | 58.70 | 4.60 | 40.70 | 16.00 | 53.30 | 52.85 | 7.00 | 1.70 | 1.40 | 3.00 | | 2.60 | | |
| 31 | | 4.00 | | 72.70 | 71.60 | | 6.60 | | 1.40 | 2.80 | | 2.60 | | |
| Total | 268.30 | 235.70 | 238.80 | 709.35 | 859.20 | 1076.45 | 1213.05 | 82.80 | 49.10 | 53.00 | 82.80 | 103.40 | 4971.95 | CMSDAY |
| Mean | 8.94 | 7.60 | 7.96 | 22.88 | 27.72 | 35.88 | 39.13 | 2.76 | 1.58 | 1.71 | 2.96 | 3.34 | 13.62 | CMS |
| Max | 58.70 | 55.55 | 40.70 | 93.40 | 71.60 | 80.20 | 225.00 | 7.20 | 1.70 | 3.00 | 3.40 | 4.20 | 225.00 | CMS |
| Min | 4.80 | 0.00 | 2.00 | 5.60 | 7.20 | 15.60 | 0.10 | 1.70 | 1.30 | 1.30 | 2.40 | 2.60 | 0.00 | CMS |
| Runoff | 23.18 | 20.36 | 20.63 | 61.29 | 74.23 | 93.01 | 104.81 | 7.15 | 4.24 | 4.58 | 7.15 | 8.93 | 429.58 | MCM |

Momentary Peak 272.20 CMS. at 263.81 m. (MSL.) at 06.00 Hours , on Oct 4, 2006

Runoff Yield 24.81 Liters/Second/Square KM. Momentary Peak Yield 495.81 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam Mae Kham at Ban Mae Kham Lak Chet , Chiang Rai (Kh.72)

Lat 20 - 13 - 01 N Long 99 - 51 - 38 E

**Location : on right bank at the bridge of Mae Chan - Mae Sai Highway from Tambon Mae Kham.**

**Ban** Mae Kham Lak Chet **Amphoe** Mae Chan **Changwat** Chiang Rai

| | |
|---|---|
| **Drainge Area** | 667 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +393.400 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On right bank about 20 meters from the top staff gage. **Elevation** +399.176 m. (MSL) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1982 to date |
| **Rating Operation** | |
| **Period of Rating** | 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1993 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the bridge of Chiang Rai - Mae Sai Highway construction. Stage-discharge relation defined by 25 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

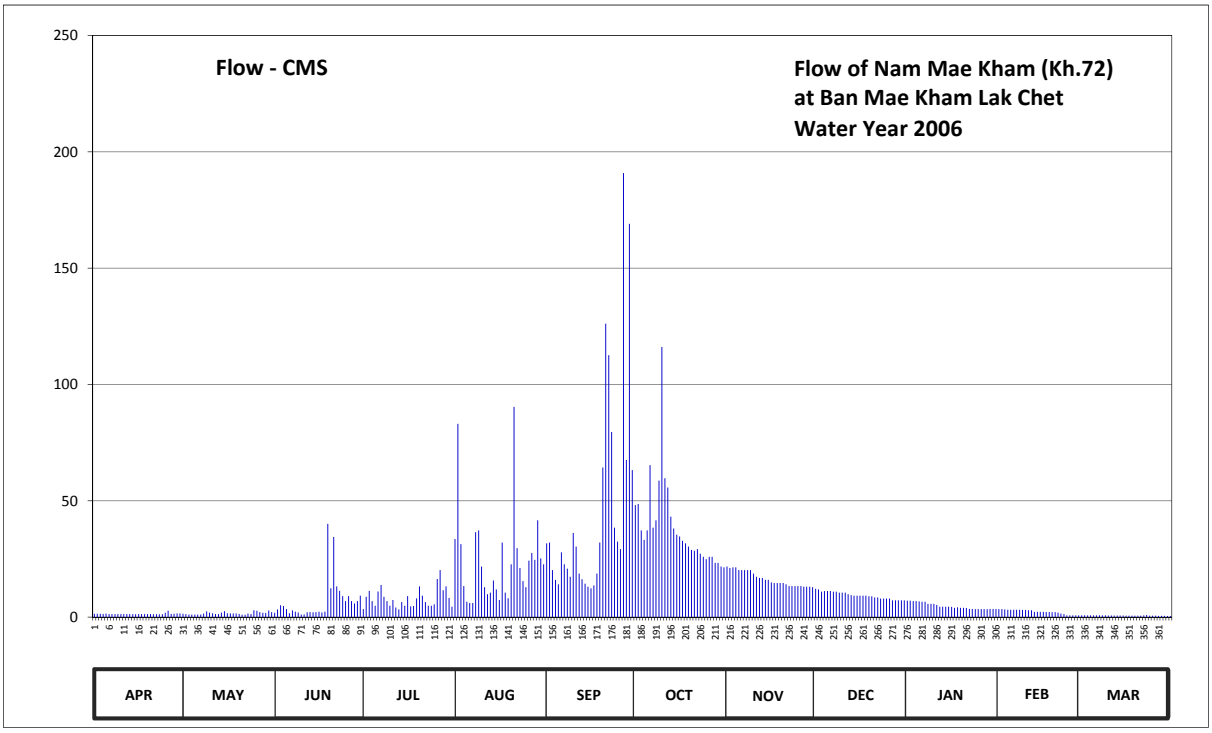
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 394.18 | 394.18 | 394.25 | 394.20 | 395.75 | 395.70 | 396.11 | 395.40 | 395.05 | 394.79 | 394.49 | 394.00 | |
| 2 | 394.18 | 394.14 | 394.19 | 394.48 | 396.77 | 395.71 | 396.12 | 395.38 | 395.04 | 394.79 | 394.49 | 394.00 | |
| 3 | 394.17 | 394.10 | 394.31 | 394.58 | 395.69 | 395.35 | 395.85 | 395.39 | 395.00 | 394.78 | 394.47 | 394.00 | |
| 4 | 394.16 | 394.10 | 394.29 | 394.40 | 395.10 | 395.20 | 395.74 | 395.39 | 395.01 | 394.78 | 394.45 | 394.00 | |
| 5 | 394.19 | 394.10 | 394.20 | 394.30 | 394.76 | 395.13 | 395.85 | 395.35 | 395.01 | 394.77 | 394.45 | 394.00 | |
| 6 | 394.15 | 394.10 | 394.02 | 394.57 | 394.72 | 395.59 | 396.46 | 395.35 | 395.01 | 394.76 | 394.45 | 393.99 | |
| 7 | 394.14 | 394.10 | 394.15 | 394.67 | 394.72 | 395.43 | 395.88 | 395.35 | 395.00 | 394.76 | 394.45 | 393.99 | |
| 8 | 394.15 | 394.19 | 394.10 | 394.48 | 395.83 | 395.37 | 395.96 | 395.35 | 395.00 | 394.70 | 394.45 | 393.99 | |
| 9 | 394.15 | 394.35 | 394.06 | 394.40 | 395.85 | 395.25 | 396.33 | 395.35 | 394.98 | 394.70 | 394.44 | 393.99 | |
| 10 | 394.15 | 394.27 | 393.94 | 394.30 | 395.40 | 395.82 | 397.27 | 395.30 | 394.98 | 394.70 | 394.44 | 393.98 | |
| 11 | 394.15 | 394.22 | 393.95 | 394.42 | 395.08 | 395.66 | 396.35 | 395.25 | 394.98 | 394.66 | 394.43 | 393.97 | |
| 12 | 394.15 | 394.15 | 394.07 | 394.25 | 394.95 | 395.30 | 396.27 | 395.23 | 394.95 | 394.60 | 394.43 | 393.97 | |
| 13 | 394.14 | 394.15 | 394.08 | 394.19 | 394.98 | 395.21 | 396.00 | 395.23 | 394.93 | 394.60 | 394.32 | 393.97 | |
| 14 | 394.13 | 394.26 | 394.07 | 394.38 | 395.19 | 395.14 | 395.87 | 395.20 | 394.92 | 394.60 | 394.32 | 393.97 | |
| 15 | 394.13 | 394.37 | 394.08 | 394.30 | 395.04 | 395.09 | 395.80 | 395.20 | 394.92 | 394.60 | 394.32 | 393.97 | |
| 16 | 394.15 | 394.22 | 394.10 | 394.49 | 394.81 | 395.06 | 395.78 | 395.16 | 394.92 | 394.59 | 394.32 | 393.96 | |
| 17 | 394.15 | 394.20 | 394.06 | 394.28 | 395.71 | 395.11 | 395.73 | 395.15 | 394.92 | 394.55 | 394.31 | 393.95 | |
| 18 | 394.15 | 394.20 | 394.10 | 394.29 | 394.98 | 395.30 | 395.70 | 395.15 | 394.92 | 394.57 | 394.31 | 393.95 | |
| 19 | 394.15 | 394.20 | 395.28 | 394.45 | 394.86 | 395.71 | 395.66 | 395.15 | 394.91 | 394.55 | 394.30 | 393.95 | |
| 20 | 394.15 | 394.16 | 394.62 | 394.65 | 395.43 | 396.44 | 395.62 | 395.15 | 394.91 | 394.55 | 394.30 | 393.95 | |
| 21 | 394.13 | 394.08 | 395.18 | 394.50 | 396.89 | 397.41 | 395.61 | 395.13 | 394.88 | 394.54 | 394.27 | 393.95 | |
| 22 | 394.13 | 394.08 | 394.65 | 394.38 | 395.64 | 397.22 | 395.63 | 395.10 | 394.88 | 394.50 | 394.19 | 393.99 | |
| 23 | 394.13 | 394.19 | 394.58 | 394.30 | 395.38 | 396.71 | 395.57 | 395.10 | 394.85 | 394.50 | 394.14 | 394.04 | |
| 24 | 394.13 | 394.15 | 394.49 | 394.30 | 395.18 | 395.88 | 395.53 | 395.10 | 394.85 | 394.49 | 394.00 | 393.95 | |
| 25 | 394.25 | 394.43 | 394.40 | 394.33 | 395.08 | 395.72 | 395.50 | 395.10 | 394.85 | 394.49 | 394.00 | 393.95 | |
| 26 | 394.40 | 394.40 | 394.49 | 394.75 | 395.48 | 395.63 | 395.53 | 395.10 | 394.85 | 394.49 | 393.99 | 393.94 | |
| 27 | 394.16 | 394.30 | 394.40 | 394.86 | 395.58 | 398.27 | 395.53 | 395.09 | 394.80 | 394.49 | 393.99 | 393.92 | |
| 28 | 394.18 | 394.25 | 394.35 | 394.59 | 395.49 | 396.50 | 395.45 | 395.09 | 394.80 | 394.49 | 393.99 | 393.92 | |
| 29 | 394.20 | 394.24 | 394.40 | 394.65 | 395.96 | 397.99 | 395.45 | 395.09 | 394.80 | 394.50 | | 393.92 | |
| 30 | 394.20 | 394.41 | 394.50 | 394.46 | 395.51 | 396.42 | 395.40 | 395.08 | 394.80 | 394.50 | | 393.91 | |
| 31 | | 394.30 | | 394.60 | 395.43 | | 395.39 | | 394.80 | 394.50 | | 393.91 | |
| Mean | 394.17 | 394.21 | 394.31 | 394.45 | 395.39 | 395.88 | 395.84 | 395.22 | 394.92 | 394.61 | 394.30 | 393.97 | |
| Max | 394.40 | 394.43 | 395.28 | 394.86 | 396.89 | 398.27 | 397.27 | 395.40 | 395.05 | 394.79 | 394.49 | 394.04 | 398.27 |
| Min | 394.13 | 394.08 | 393.94 | 394.19 | 394.72 | 395.06 | 395.39 | 395.08 | 394.80 | 394.49 | 393.99 | 393.91 | 393.91 |

Annual Max Momentary Gage Height 399.18 m. (MSL.) , at 19.00 Hours , on Sep 27, 2006

Zero Gage at Bottom Elevation 393.40 m. (MSL.) , River Bed 393.90 m. (MSL.)

Left Bank Elevation 399.66 m. (MSL.) ,

Right Bank Elevation 399.65 m. (MSL.) , Drainage Are 667 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.46 | 1.46 | 1.84 | 3.40 | 33.55 | 31.70 | 48.16 | 21.70 | 12.14 | 7.05 | 3.44 | 0.75 | | |
| 2 | 1.46 | 1.27 | 3.29 | 8.73 | 83.06 | 32.07 | 48.62 | 21.10 | 11.90 | 7.05 | 3.44 | 0.75 | | |
| 3 | 1.41 | 1.08 | 5.08 | 11.28 | 31.35 | 20.20 | 37.30 | 21.40 | 10.95 | 6.90 | 3.29 | 0.75 | | |
| 4 | 1.36 | 1.08 | 4.73 | 6.85 | 13.32 | 16.00 | 33.18 | 21.40 | 11.19 | 6.90 | 3.14 | 0.75 | | |
| 5 | 1.50 | 1.08 | 3.40 | 4.88 | 6.61 | 14.12 | 37.30 | 20.20 | 11.19 | 6.76 | 3.14 | 0.75 | | |
| 6 | 1.32 | 1.08 | 1.64 | 11.02 | 6.02 | 27.87 | 65.34 | 20.20 | 11.19 | 6.61 | 3.14 | 0.72 | | |
| 7 | 1.27 | 1.08 | 2.85 | 13.80 | 6.02 | 22.66 | 38.44 | 20.20 | 10.95 | 6.61 | 3.14 | 0.72 | | |
| 8 | 1.32 | 1.50 | 2.30 | 8.73 | 36.54 | 20.80 | 41.60 | 20.20 | 10.95 | 5.72 | 3.14 | 0.72 | | |
| 9 | 1.32 | 2.44 | 1.97 | 6.85 | 37.30 | 17.35 | 58.67 | 20.20 | 10.51 | 5.72 | 3.06 | 0.72 | | |
| 10 | 1.32 | 1.95 | 1.12 | 4.88 | 21.70 | 36.16 | 116.10 | 18.70 | 10.51 | 5.72 | 3.06 | 0.69 | | |
| 11 | 1.32 | 1.66 | 1.18 | 7.32 | 12.85 | 30.30 | 59.65 | 17.35 | 10.51 | 5.22 | 2.98 | 0.67 | | |
| 12 | 1.32 | 1.32 | 2.05 | 4.14 | 9.85 | 18.70 | 55.73 | 16.81 | 9.85 | 4.46 | 2.98 | 0.67 | | |
| 13 | 1.27 | 1.32 | 2.14 | 3.29 | 10.51 | 16.27 | 43.20 | 16.81 | 9.40 | 4.46 | 2.25 | 0.67 | | |
| 14 | 1.22 | 1.89 | 2.05 | 6.46 | 15.73 | 14.39 | 38.06 | 16.00 | 9.18 | 4.46 | 2.25 | 0.67 | | |
| 15 | 1.22 | 2.56 | 2.14 | 4.88 | 11.90 | 13.08 | 35.40 | 16.00 | 9.18 | 4.46 | 2.25 | 0.67 | | |
| 16 | 1.32 | 1.66 | 2.30 | 8.97 | 7.35 | 12.37 | 34.66 | 14.93 | 9.18 | 4.37 | 2.25 | 0.64 | | |
| 17 | 1.32 | 1.55 | 1.97 | 4.58 | 32.07 | 13.59 | 32.81 | 14.66 | 9.18 | 3.99 | 2.18 | 0.61 | | |
| 18 | 1.32 | 1.55 | 2.30 | 4.73 | 10.51 | 18.70 | 31.70 | 14.66 | 9.18 | 4.18 | 2.18 | 0.61 | | |
| 19 | 1.32 | 1.55 | 40.06 | 8.03 | 8.12 | 32.07 | 30.30 | 14.66 | 8.96 | 3.99 | 2.12 | 0.61 | | |
| 20 | 1.32 | 1.36 | 12.37 | 13.23 | 22.66 | 64.26 | 28.90 | 14.66 | 8.96 | 3.99 | 2.12 | 0.61 | | |
| 21 | 1.22 | 1.01 | 34.44 | 9.20 | 90.38 | 126.12 | 28.55 | 14.12 | 8.43 | 3.90 | 1.95 | 0.61 | | |
| 22 | 1.22 | 1.01 | 13.23 | 6.46 | 29.60 | 112.60 | 29.25 | 13.32 | 8.43 | 3.52 | 1.50 | 0.72 | | |
| 23 | 1.22 | 1.50 | 11.28 | 4.88 | 21.10 | 79.58 | 27.21 | 13.32 | 7.97 | 3.52 | 1.27 | 0.88 | | |
| 24 | 1.22 | 1.32 | 8.97 | 4.88 | 15.46 | 38.44 | 25.89 | 13.32 | 7.97 | 3.44 | 0.75 | 0.61 | | |
| 25 | 1.84 | 2.98 | 6.85 | 5.47 | 12.85 | 32.44 | 24.90 | 13.32 | 7.97 | 3.44 | 0.75 | 0.61 | | |
| 26 | 2.75 | 2.75 | 8.97 | 16.33 | 24.26 | 29.25 | 25.89 | 13.32 | 7.97 | 3.44 | 0.72 | 0.58 | | |
| 27 | 1.36 | 2.12 | 6.85 | 20.22 | 27.54 | 190.83 | 25.89 | 13.08 | 7.20 | 3.44 | 0.72 | 0.53 | | |
| 28 | 1.46 | 1.84 | 5.87 | 11.54 | 24.58 | 67.50 | 23.30 | 13.08 | 7.20 | 3.44 | 0.72 | 0.53 | | |
| 29 | 1.55 | 1.78 | 6.85 | 13.23 | 41.60 | 169.04 | 23.30 | 13.08 | 7.20 | 3.52 | | 0.53 | | |
| 30 | 1.55 | 2.83 | 9.20 | 8.26 | 25.23 | 63.18 | 21.70 | 12.85 | 7.20 | 3.52 | | 0.50 | | |
| 31 | | 2.12 | | 4.46 | 22.66 | | 21.40 | | 7.20 | 3.52 | | 0.50 | | |
| Total | 42.08 | 51.70 | 209.29 | 250.98 | 752.28 | 1381.64 | 1192.40 | 494.65 | 289.80 | 147.32 | 63.93 | 20.35 | 4896.42 | CMSDAY |
| Mean | 1.40 | 1.67 | 6.98 | 8.10 | 24.27 | 46.05 | 38.46 | 16.49 | 9.35 | 4.75 | 2.28 | 0.66 | 13.41 | CMS |
| Max | 2.75 | 2.98 | 40.06 | 20.22 | 90.38 | 190.83 | 116.10 | 21.70 | 12.14 | 7.05 | 3.44 | 0.88 | 190.83 | CMS |
| Min | 1.22 | 1.01 | 1.12 | 3.29 | 6.02 | 12.37 | 21.40 | 12.85 | 7.20 | 3.44 | 0.72 | 0.50 | 0.50 | CMS |
| Runoff | 3.64 | 4.47 | 18.08 | 21.68 | 65.00 | 119.37 | 103.02 | 42.74 | 25.04 | 12.73 | 5.52 | 1.76 | 423.05 | MCM |

Momentary Peak 264.46 CMS. at 399.18 m. (MSL.) at 19.00 Hours , on Sep 27, 2006

Runoff Yield 20.11 Liters/Second/Square KM. Momentary Peak Yield 396.49 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Songkhram River at Ban Tha Huai Lua , Sakon Nakhon (Kh.74)

Lat 17 - 49 - 07 N Long 103 - 23 - 16 E

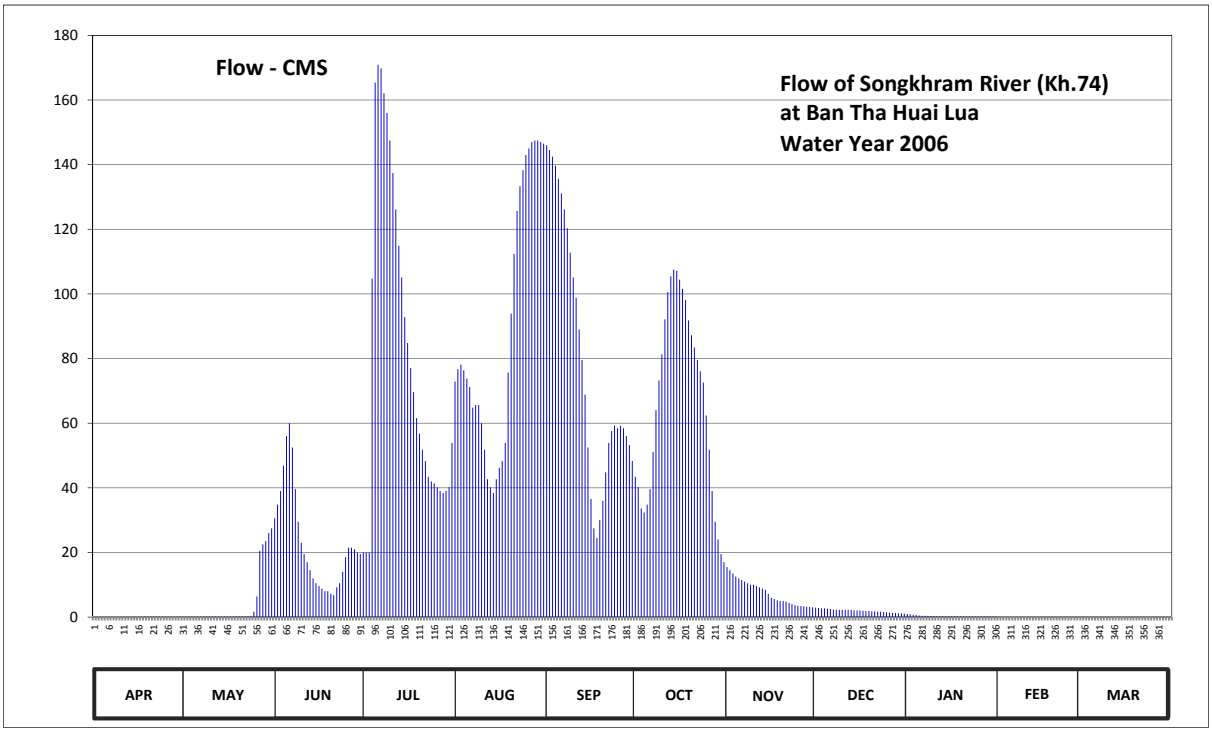
**Location : on left bank at Ban Tha Huai Lua.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Huai Lua | **Amphoe** Ban Muang | **Changwat** Sakon Nakhon |
| **Drainge Area** | 2,199 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +144.850 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank at the abutment of the bridge. | | **Elevation** +156.483 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1984 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1984 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 72 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 147.39 | 147.58 | 150.21 | 150.00 | 150.83 | 152.70 | 150.42 | 149.91 | 149.49 | 149.30 | 146.78 | 147.10 | |
| 2 | 147.39 | 147.59 | 150.28 | 150.00 | 150.95 | 152.67 | 150.37 | 149.89 | 149.48 | 149.28 | 146.79 | 147.11 | |
| 3 | 147.39 | 147.61 | 150.35 | 150.00 | 150.99 | 152.63 | 150.26 | 149.87 | 149.47 | 149.25 | 146.80 | 147.13 | |
| 4 | 147.39 | 147.63 | 150.47 | 151.75 | 150.94 | 152.57 | 150.24 | 149.85 | 149.47 | 149.23 | 146.81 | 147.13 | |
| 5 | 147.39 | 147.64 | 150.60 | 153.08 | 150.86 | 152.48 | 150.28 | 149.84 | 149.46 | 149.20 | 146.82 | 147.13 | |
| 6 | 147.39 | 147.67 | 150.65 | 153.18 | 150.79 | 152.38 | 150.36 | 149.83 | 149.45 | 149.18 | 146.85 | 147.14 | |
| 7 | 147.40 | 147.75 | 150.55 | 153.16 | 150.71 | 152.27 | 150.53 | 149.82 | 149.43 | 149.16 | 146.87 | 147.14 | |
| 8 | 147.40 | 147.86 | 150.36 | 153.02 | 150.72 | 152.14 | 150.70 | 149.81 | 149.43 | 149.15 | 146.89 | 147.14 | |
| 9 | 147.40 | 147.97 | 150.19 | 152.90 | 150.72 | 151.97 | 150.84 | 149.80 | 149.42 | 149.14 | 146.92 | 147.14 | |
| 10 | 147.40 | 148.01 | 150.06 | 152.73 | 150.65 | 151.76 | 151.08 | 149.80 | 149.42 | 149.13 | 146.94 | 147.14 | |
| 11 | 147.41 | 148.08 | 149.99 | 152.52 | 150.54 | 151.58 | 151.39 | 149.79 | 149.42 | 149.12 | 146.95 | 147.14 | |
| 12 | 147.41 | 148.17 | 149.94 | 152.27 | 150.41 | 151.30 | 151.63 | 149.78 | 149.42 | 149.11 | 146.96 | 147.14 | |
| 13 | 147.42 | 148.22 | 149.89 | 152.02 | 150.37 | 151.03 | 151.77 | 149.77 | 149.42 | 149.11 | 146.98 | 147.14 | |
| 14 | 147.43 | 148.27 | 149.84 | 151.76 | 150.34 | 150.76 | 151.83 | 149.76 | 149.41 | 149.10 | 146.99 | 147.14 | |
| 15 | 147.44 | 148.30 | 149.81 | 151.41 | 150.41 | 150.55 | 151.82 | 149.73 | 149.41 | 149.09 | 147.01 | 147.14 | |
| 16 | 147.44 | 148.31 | 149.79 | 151.18 | 150.46 | 150.31 | 151.74 | 149.70 | 149.41 | 149.08 | 147.02 | 147.14 | |
| 17 | 147.45 | 148.32 | 149.77 | 150.96 | 150.49 | 150.15 | 151.66 | 149.68 | 149.40 | 149.01 | 147.04 | 147.14 | |
| 18 | 147.45 | 148.34 | 149.75 | 150.77 | 150.57 | 150.09 | 151.56 | 149.66 | 149.39 | 148.92 | 147.05 | 147.15 | |
| 19 | 147.46 | 148.39 | 149.75 | 150.67 | 150.92 | 150.20 | 151.38 | 149.65 | 149.39 | 148.83 | 147.06 | 147.15 | |
| 20 | 147.46 | 148.46 | 149.73 | 150.61 | 151.44 | 150.30 | 151.25 | 149.65 | 149.38 | 148.78 | 147.07 | 147.15 | |
| 21 | 147.47 | 148.53 | 149.72 | 150.54 | 151.96 | 150.44 | 151.14 | 149.64 | 149.38 | 148.76 | 147.08 | 147.15 | |
| 22 | 147.47 | 148.61 | 149.78 | 150.49 | 152.26 | 150.57 | 151.03 | 149.62 | 149.37 | 148.75 | 147.09 | 147.16 | |
| 23 | 147.48 | 148.85 | 149.81 | 150.42 | 152.43 | 150.62 | 150.93 | 149.60 | 149.37 | 148.74 | 147.09 | 147.19 | |
| 24 | 147.48 | 149.08 | 149.88 | 150.40 | 152.54 | 150.64 | 150.82 | 149.57 | 149.36 | 148.68 | 147.08 | 147.20 | |
| 25 | 147.49 | 149.37 | 149.97 | 150.39 | 152.64 | 150.63 | 150.68 | 149.55 | 149.35 | 148.60 | 147.08 | 147.21 | |
| 26 | 147.49 | 149.71 | 150.03 | 150.37 | 152.68 | 150.64 | 150.54 | 149.54 | 149.34 | 148.57 | 147.08 | 147.22 | |
| 27 | 147.50 | 150.01 | 150.03 | 150.35 | 152.72 | 150.63 | 150.35 | 149.53 | 149.33 | 148.54 | 147.08 | 147.23 | |
| 28 | 147.51 | 150.05 | 150.02 | 150.34 | 152.73 | 150.60 | 150.19 | 149.52 | 149.33 | 148.52 | 147.09 | 147.24 | |
| 29 | 147.53 | 150.07 | 150.00 | 150.35 | 152.73 | 150.56 | 150.08 | 149.51 | 149.32 | 148.48 | | 147.25 | |
| 30 | 147.55 | 150.12 | 149.99 | 150.37 | 152.72 | 150.49 | 149.99 | 149.50 | 149.32 | 148.41 | | 147.25 | |
| 31 | | 150.15 | | 150.57 | 152.71 | | 149.94 | | 149.31 | 148.21 | | 147.26 | |
| Mean | 147.44 | 148.54 | 150.04 | 151.24 | 151.36 | 151.19 | 150.86 | 149.71 | 149.40 | 148.92 | 146.97 | 147.16 | |
| Max | 147.55 | 150.15 | 150.65 | 153.18 | 152.73 | 152.70 | 151.83 | 149.91 | 149.49 | 149.30 | 147.09 | 147.26 | 153.18 |
| Min | 147.39 | 147.58 | 149.72 | 150.00 | 150.34 | 150.09 | 149.94 | 149.50 | 149.31 | 148.21 | 146.78 | 147.10 | 146.78 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 153.18 | m. (MSL.) , | at 06.00 Hours , on Jul 6, 2006 | | |
| Zero Gage at Bottom Elevation | 144.85 | m. (MSL.) , | River Bed | 144.62 | m. (MSL.) |
| Left Bank Elevation | 156.23 | m. (MSL.) , | | | |
| Right Bank Elevation | 156.30 | m. (MSL.) , | Drainage Are | 2,199 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.07 | 0.09 | 30.60 | 20.00 | 72.90 | 146.00 | 43.40 | 15.50 | 2.90 | 1.00 | 0.01 | 0.04 | | |
| 2 | 0.07 | 0.09 | 34.80 | 20.00 | 76.75 | 144.50 | 40.20 | 14.50 | 2.80 | 0.90 | 0.01 | 0.04 | | |
| 3 | 0.07 | 0.09 | 39.00 | 20.00 | 78.15 | 142.50 | 33.60 | 13.50 | 2.70 | 0.75 | 0.01 | 0.04 | | |
| 4 | 0.07 | 0.09 | 46.90 | 104.75 | 76.40 | 139.65 | 32.40 | 12.50 | 2.70 | 0.65 | 0.01 | 0.04 | | |
| 5 | 0.07 | 0.09 | 56.00 | 165.40 | 73.80 | 135.60 | 34.80 | 12.00 | 2.60 | 0.50 | 0.01 | 0.04 | | |
| 6 | 0.07 | 0.10 | 60.00 | 170.90 | 71.20 | 131.10 | 39.60 | 11.50 | 2.50 | 0.45 | 0.02 | 0.04 | | |
| 7 | 0.07 | 0.11 | 52.50 | 169.80 | 64.80 | 126.15 | 51.10 | 11.00 | 2.30 | 0.40 | 0.02 | 0.04 | | |
| 8 | 0.07 | 0.12 | 39.60 | 162.10 | 65.60 | 120.30 | 64.00 | 10.50 | 2.30 | 0.38 | 0.02 | 0.04 | | |
| 9 | 0.07 | 0.13 | 29.50 | 156.00 | 65.60 | 112.80 | 73.20 | 10.00 | 2.20 | 0.36 | 0.02 | 0.04 | | |
| 10 | 0.07 | 0.13 | 23.00 | 147.50 | 60.00 | 105.10 | 81.30 | 10.00 | 2.20 | 0.33 | 0.02 | 0.04 | | |
| 11 | 0.07 | 0.14 | 19.50 | 137.40 | 51.80 | 98.80 | 92.15 | 9.60 | 2.20 | 0.31 | 0.03 | 0.04 | | |
| 12 | 0.07 | 0.15 | 17.00 | 126.15 | 42.70 | 89.00 | 100.55 | 9.20 | 2.20 | 0.28 | 0.03 | 0.04 | | |
| 13 | 0.07 | 0.15 | 14.50 | 114.90 | 40.20 | 79.55 | 105.45 | 8.80 | 2.20 | 0.28 | 0.03 | 0.04 | | |
| 14 | 0.07 | 0.16 | 12.00 | 105.10 | 38.40 | 68.80 | 107.55 | 8.40 | 2.10 | 0.26 | 0.03 | 0.04 | | |
| 15 | 0.07 | 0.16 | 10.50 | 92.85 | 42.70 | 52.50 | 107.20 | 7.20 | 2.10 | 0.26 | 0.03 | 0.04 | | |
| 16 | 0.07 | 0.16 | 9.60 | 84.80 | 46.20 | 36.60 | 104.40 | 6.00 | 2.10 | 0.26 | 0.03 | 0.04 | | |
| 17 | 0.08 | 0.16 | 8.80 | 77.10 | 48.30 | 27.50 | 101.60 | 5.60 | 2.00 | 0.24 | 0.03 | 0.04 | | |
| 18 | 0.08 | 0.16 | 8.00 | 69.60 | 53.90 | 24.50 | 98.10 | 5.20 | 1.90 | 0.22 | 0.04 | 0.05 | | |
| 19 | 0.08 | 0.17 | 8.00 | 61.60 | 75.70 | 30.00 | 91.80 | 5.00 | 1.90 | 0.21 | 0.04 | 0.05 | | |
| 20 | 0.08 | 0.18 | 7.20 | 56.80 | 93.90 | 36.00 | 87.25 | 5.00 | 1.80 | 0.21 | 0.04 | 0.05 | | |
| 21 | 0.08 | 0.18 | 6.80 | 51.80 | 112.40 | 44.80 | 83.40 | 4.80 | 1.80 | 0.21 | 0.04 | 0.05 | | |
| 22 | 0.08 | 0.19 | 9.20 | 48.30 | 125.70 | 53.90 | 79.55 | 4.40 | 1.70 | 0.21 | 0.04 | 0.05 | | |
| 23 | 0.08 | 0.22 | 10.50 | 43.40 | 133.35 | 57.60 | 76.05 | 4.00 | 1.70 | 0.20 | 0.04 | 0.05 | | |
| 24 | 0.08 | 0.26 | 14.00 | 42.00 | 138.30 | 59.20 | 72.60 | 3.70 | 1.60 | 0.20 | 0.04 | 0.05 | | |
| 25 | 0.08 | 1.70 | 18.50 | 41.40 | 143.00 | 58.40 | 62.40 | 3.50 | 1.50 | 0.19 | 0.04 | 0.05 | | |
| 26 | 0.08 | 6.40 | 21.50 | 40.20 | 145.00 | 59.20 | 51.80 | 3.40 | 1.40 | 0.19 | 0.04 | 0.05 | | |
| 27 | 0.08 | 20.50 | 21.50 | 39.00 | 147.00 | 58.40 | 39.00 | 3.30 | 1.30 | 0.18 | 0.04 | 0.05 | | |
| 28 | 0.08 | 22.50 | 21.00 | 38.40 | 147.50 | 56.00 | 29.50 | 3.20 | 1.30 | 0.18 | 0.04 | 0.05 | | |
| 29 | 0.08 | 23.50 | 20.00 | 39.00 | 147.50 | 53.20 | 24.00 | 3.10 | 1.20 | 0.18 | | 0.06 | | |
| 30 | 0.09 | 26.00 | 19.50 | 40.20 | 147.00 | 48.30 | 19.50 | 3.00 | 1.20 | 0.17 | | 0.06 | | |
| 31 | | 27.50 | | 53.90 | 146.50 | | 17.00 | | 1.10 | 0.15 | | 0.06 | | |
| Total | 2.25 | 131.58 | 689.50 | 2540.35 | 2772.25 | 2395.95 | 2044.45 | 227.40 | 61.50 | 10.31 | 0.80 | 1.41 | 10877.75 | CMSDAY |
| Mean | 0.08 | 4.24 | 22.98 | 81.95 | 89.43 | 79.86 | 65.95 | 7.58 | 1.98 | 0.33 | 0.03 | 0.05 | 29.80 | CMS |
| Max | 0.09 | 27.50 | 60.00 | 170.90 | 147.50 | 146.00 | 107.55 | 15.50 | 2.90 | 1.00 | 0.04 | 0.06 | 170.90 | CMS |
| Min | 0.07 | 0.09 | 6.80 | 20.00 | 38.40 | 24.50 | 17.00 | 3.00 | 1.10 | 0.15 | 0.01 | 0.04 | 0.01 | CMS |
| Runoff | 0.19 | 11.37 | 59.57 | 219.49 | 239.52 | 207.01 | 176.64 | 19.65 | 5.31 | 0.89 | 0.07 | 0.12 | 939.84 | MCM |

Momentary Peak 170.90 CMS. at 153.18 m. (MSL.) at 06.00 Hours , on Jul 6, 2006

Runoff Yield 13.55 Liters/Second/Square KM. Momentary Peak Yield 77.72 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam Man at Ban Hua Na Yung, Loei (Kh.75)

Lat 17 - 16 - 30 N Long 101 - 09 - 06 E

**Location : on left bank at the bridge of Nam Man.**

| | | | |
|---|---|---|---|
| | **Ban** Hua Na Yung | **Amphoe** Dan Sai | **Changwat** Loei |
| **Drainge Area** | 388 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +346.573 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream side at the abutment of the bridge. | | **Elevation** +356.602 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1994 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1994 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

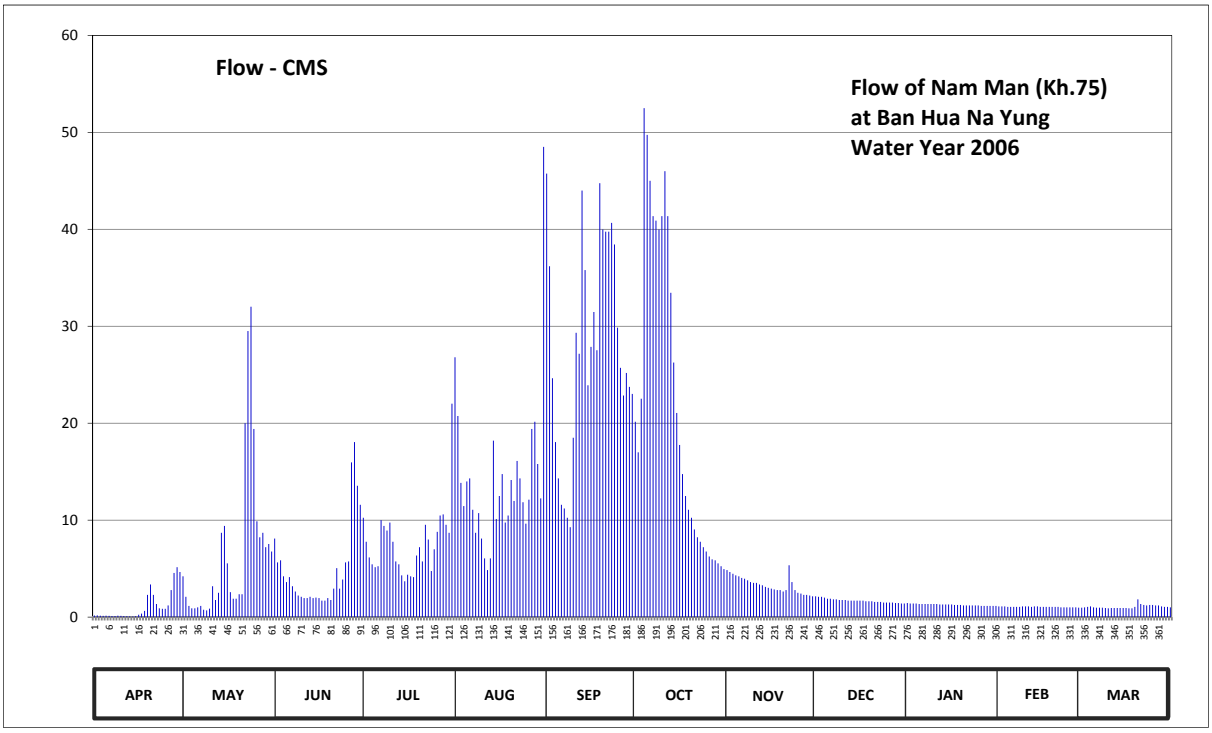
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 349.56 | 350.36 | 350.74 | 350.92 | 352.00 | 352.93 | 351.61 | 350.43 | 350.10 | 349.99 | 349.92 | 349.89 | |
| 2 | 349.58 | 350.09 | 350.51 | 350.71 | 351.65 | 352.51 | 351.40 | 350.41 | 350.09 | 349.98 | 349.92 | 349.90 | |
| 3 | 349.54 | 349.93 | 350.53 | 350.56 | 351.19 | 351.88 | 351.76 | 350.39 | 350.09 | 349.98 | 349.92 | 349.91 | |
| 4 | 349.53 | 349.87 | 350.36 | 350.49 | 351.02 | 351.47 | 353.20 | 350.37 | 350.08 | 349.98 | 349.91 | 349.92 | |
| 5 | 349.54 | 349.87 | 350.29 | 350.46 | 351.20 | 351.22 | 353.09 | 350.36 | 350.06 | 349.97 | 349.91 | 349.90 | |
| 6 | 349.53 | 349.90 | 350.35 | 350.47 | 351.22 | 351.03 | 352.90 | 350.34 | 350.06 | 349.97 | 349.91 | 349.89 | |
| 7 | 349.52 | 349.93 | 350.24 | 350.90 | 350.99 | 351.00 | 352.75 | 350.33 | 350.05 | 349.97 | 349.91 | 349.89 | |
| 8 | 349.51 | 349.82 | 350.17 | 350.85 | 350.79 | 350.92 | 352.73 | 350.31 | 350.05 | 349.97 | 349.91 | 349.89 | |
| 9 | 349.54 | 349.80 | 350.11 | 350.81 | 350.96 | 350.84 | 352.69 | 350.29 | 350.04 | 349.97 | 349.92 | 349.88 | |
| 10 | 349.53 | 349.86 | 350.09 | 350.88 | 350.74 | 351.50 | 352.75 | 350.28 | 350.04 | 349.97 | 349.92 | 349.87 | |
| 11 | 349.51 | 350.24 | 350.07 | 350.71 | 350.55 | 352.14 | 352.94 | 350.28 | 350.04 | 349.97 | 349.92 | 349.88 | |
| 12 | 349.50 | 350.04 | 350.07 | 350.52 | 350.43 | 352.02 | 352.75 | 350.26 | 350.03 | 349.96 | 349.91 | 349.88 | |
| 13 | 349.48 | 350.15 | 350.09 | 350.49 | 350.55 | 352.86 | 352.37 | 350.25 | 350.03 | 349.96 | 349.92 | 349.88 | |
| 14 | 349.47 | 350.79 | 350.07 | 350.37 | 351.48 | 352.49 | 351.97 | 350.23 | 350.03 | 349.96 | 349.92 | 349.88 | |
| 15 | 349.50 | 350.85 | 350.08 | 350.30 | 350.91 | 351.84 | 351.67 | 350.22 | 350.03 | 349.96 | 349.91 | 349.88 | |
| 16 | 349.62 | 350.50 | 350.07 | 350.38 | 351.10 | 352.06 | 351.45 | 350.21 | 350.03 | 349.96 | 349.91 | 349.88 | |
| 17 | 349.68 | 350.16 | 350.03 | 350.36 | 351.25 | 352.26 | 351.25 | 350.20 | 350.03 | 349.95 | 349.91 | 349.87 | |
| 18 | 349.78 | 350.06 | 350.03 | 350.35 | 350.88 | 352.04 | 351.10 | 350.19 | 350.02 | 349.95 | 349.91 | 349.87 | |
| 19 | 350.12 | 350.06 | 350.07 | 350.58 | 350.94 | 352.89 | 350.99 | 350.19 | 350.02 | 349.95 | 349.91 | 349.91 | |
| 20 | 350.26 | 350.13 | 350.04 | 350.66 | 351.21 | 352.69 | 350.92 | 350.17 | 350.02 | 349.94 | 349.91 | 350.05 | |
| 21 | 350.12 | 350.13 | 350.21 | 350.52 | 351.06 | 352.68 | 350.82 | 350.19 | 350.01 | 349.94 | 349.91 | 349.97 | |
| 22 | 349.97 | 351.60 | 350.45 | 350.86 | 351.34 | 352.68 | 350.75 | 350.48 | 350.01 | 349.94 | 349.90 | 349.95 | |
| 23 | 349.87 | 352.15 | 350.21 | 350.73 | 351.22 | 352.72 | 350.71 | 350.29 | 350.01 | 349.94 | 349.90 | 349.94 | |
| 24 | 349.85 | 352.29 | 350.32 | 350.42 | 351.05 | 352.62 | 350.66 | 350.19 | 350.00 | 349.94 | 349.90 | 349.95 | |
| 25 | 349.85 | 351.56 | 350.51 | 350.64 | 350.87 | 352.17 | 350.62 | 350.15 | 350.00 | 349.94 | 349.90 | 349.95 | |
| 26 | 349.94 | 350.89 | 350.52 | 350.80 | 351.07 | 351.94 | 350.57 | 350.14 | 350.00 | 349.93 | 349.90 | 349.94 | |
| 27 | 350.19 | 350.75 | 351.33 | 350.94 | 351.56 | 351.78 | 350.54 | 350.12 | 350.00 | 349.93 | 349.90 | 349.94 | |
| 28 | 350.40 | 350.79 | 351.47 | 350.95 | 351.61 | 351.91 | 350.53 | 350.12 | 349.99 | 349.93 | 349.89 | 349.92 | |
| 29 | 350.46 | 350.66 | 351.17 | 350.86 | 351.32 | 351.83 | 350.50 | 350.11 | 349.99 | 349.93 | | 349.91 | |
| 30 | 350.41 | 350.69 | 351.03 | 350.79 | 351.08 | 351.79 | 350.47 | 350.10 | 349.98 | 349.93 | | 349.91 | |
| 31 | | 350.62 | | 351.73 | 353.04 | | 350.44 | | 349.98 | 349.93 | | 349.90 | |
| Mean | 349.78 | 350.47 | 350.37 | 350.68 | 351.17 | 352.02 | 351.58 | 350.25 | 350.03 | 349.95 | 349.91 | 349.91 | |
| Max | 350.46 | 352.29 | 351.47 | 351.73 | 353.04 | 352.93 | 353.20 | 350.48 | 350.10 | 349.99 | 349.92 | 350.05 | 353.20 |
| Min | 349.47 | 349.80 | 350.03 | 350.30 | 350.43 | 350.84 | 350.44 | 350.10 | 349.98 | 349.93 | 349.89 | 349.87 | 349.47 |

Annual Max Momentary Gage Height 354.09 m. (MSL.) , at 12.00 Hours , on Aug 31, 2006

Zero Gage at Bottom Elevation 346.57 m. (MSL.) , River Bed 348.96 m. (MSL.)

Left Bank Elevation 356.65 m. (MSL.) ,

Right Bank Elevation 356.66 m. (MSL.) , Drainage Are 388 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.16 | 4.21 | 8.11 | 10.24 | 26.80 | 45.75 | 20.15 | 4.85 | 2.15 | 1.45 | 1.10 | 0.97 | | |
| 2 | 0.18 | 2.09 | 5.65 | 7.77 | 20.75 | 36.20 | 17.00 | 4.65 | 2.09 | 1.40 | 1.10 | 1.00 | | |
| 3 | 0.14 | 1.15 | 5.85 | 6.15 | 13.85 | 24.64 | 22.52 | 4.47 | 2.09 | 1.40 | 1.10 | 1.05 | | |
| 4 | 0.13 | 0.91 | 4.21 | 5.45 | 11.46 | 18.05 | 52.50 | 4.30 | 2.02 | 1.40 | 1.05 | 1.10 | | |
| 5 | 0.14 | 0.91 | 3.62 | 5.15 | 14.00 | 14.30 | 49.75 | 4.21 | 1.89 | 1.35 | 1.05 | 1.00 | | |
| 6 | 0.13 | 1.00 | 4.13 | 5.25 | 14.30 | 11.59 | 45.00 | 4.04 | 1.89 | 1.35 | 1.05 | 0.97 | | |
| 7 | 0.12 | 1.15 | 3.19 | 10.00 | 11.08 | 11.20 | 41.35 | 3.96 | 1.83 | 1.35 | 1.05 | 0.97 | | |
| 8 | 0.11 | 0.76 | 2.64 | 9.40 | 8.69 | 10.24 | 40.89 | 3.79 | 1.83 | 1.35 | 1.05 | 0.97 | | |
| 9 | 0.14 | 0.70 | 2.22 | 8.92 | 10.72 | 9.28 | 39.98 | 3.62 | 1.76 | 1.35 | 1.10 | 0.94 | | |
| 10 | 0.13 | 0.88 | 2.09 | 9.76 | 8.11 | 18.50 | 41.35 | 3.53 | 1.76 | 1.35 | 1.10 | 0.91 | | |
| 11 | 0.11 | 3.19 | 1.96 | 7.77 | 6.05 | 29.32 | 46.00 | 3.53 | 1.76 | 1.35 | 1.10 | 0.94 | | |
| 12 | 0.10 | 1.76 | 1.96 | 5.75 | 4.85 | 27.16 | 41.35 | 3.36 | 1.70 | 1.30 | 1.05 | 0.94 | | |
| 13 | 0.08 | 2.50 | 2.09 | 5.45 | 6.05 | 44.00 | 33.46 | 3.28 | 1.70 | 1.30 | 1.10 | 0.94 | | |
| 14 | 0.07 | 8.69 | 1.96 | 4.30 | 18.20 | 35.80 | 26.26 | 3.11 | 1.70 | 1.30 | 1.10 | 0.94 | | |
| 15 | 0.10 | 9.40 | 2.02 | 3.70 | 10.12 | 23.92 | 21.05 | 3.02 | 1.70 | 1.30 | 1.05 | 0.94 | | |
| 16 | 0.24 | 5.55 | 1.96 | 4.38 | 12.50 | 27.88 | 17.75 | 2.94 | 1.70 | 1.30 | 1.05 | 0.94 | | |
| 17 | 0.36 | 2.57 | 1.70 | 4.21 | 14.75 | 31.48 | 14.75 | 2.85 | 1.70 | 1.25 | 1.05 | 0.91 | | |
| 18 | 0.64 | 1.89 | 1.70 | 4.13 | 9.76 | 27.52 | 12.50 | 2.78 | 1.63 | 1.25 | 1.05 | 0.91 | | |
| 19 | 2.29 | 1.89 | 1.96 | 6.35 | 10.48 | 44.75 | 11.08 | 2.78 | 1.63 | 1.25 | 1.05 | 1.05 | | |
| 20 | 3.36 | 2.36 | 1.76 | 7.21 | 14.15 | 39.98 | 10.24 | 2.64 | 1.63 | 1.20 | 1.05 | 1.83 | | |
| 21 | 2.29 | 2.36 | 2.94 | 5.75 | 11.98 | 39.76 | 9.04 | 2.78 | 1.57 | 1.20 | 1.05 | 1.35 | | |
| 22 | 1.35 | 20.00 | 5.05 | 9.52 | 16.10 | 39.76 | 8.23 | 5.35 | 1.57 | 1.20 | 1.00 | 1.25 | | |
| 23 | 0.91 | 29.50 | 2.94 | 8.00 | 14.30 | 40.66 | 7.77 | 3.62 | 1.57 | 1.20 | 1.00 | 1.20 | | |
| 24 | 0.85 | 32.02 | 3.87 | 4.75 | 11.85 | 38.44 | 7.21 | 2.78 | 1.50 | 1.20 | 1.00 | 1.25 | | |
| 25 | 0.85 | 19.40 | 5.65 | 6.99 | 9.64 | 29.86 | 6.77 | 2.50 | 1.50 | 1.20 | 1.00 | 1.25 | | |
| 26 | 1.20 | 9.88 | 5.75 | 8.80 | 12.11 | 25.72 | 6.25 | 2.43 | 1.50 | 1.15 | 1.00 | 1.20 | | |
| 27 | 2.78 | 8.23 | 15.95 | 10.48 | 19.40 | 22.86 | 5.95 | 2.29 | 1.50 | 1.15 | 1.00 | 1.20 | | |
| 28 | 4.55 | 8.69 | 18.05 | 10.60 | 20.15 | 25.18 | 5.85 | 2.29 | 1.45 | 1.15 | 0.97 | 1.10 | | |
| 29 | 5.15 | 7.21 | 13.55 | 9.52 | 15.80 | 23.74 | 5.55 | 2.22 | 1.45 | 1.15 | | 1.05 | | |
| 30 | 4.65 | 7.54 | 11.59 | 8.69 | 12.24 | 23.03 | 5.25 | 2.15 | 1.40 | 1.15 | | 1.05 | | |
| 31 | | 6.77 | | 22.01 | 48.50 | | 4.95 | | 1.40 | 1.15 | | 1.00 | | |
| Total | 33.31 | 205.16 | 146.12 | 236.45 | 438.74 | 840.57 | 677.75 | 100.12 | 52.57 | 39.45 | 29.42 | 33.12 | 2832.78 | CMSDAY |
| Mean | 1.11 | 6.62 | 4.87 | 7.63 | 14.15 | 28.02 | 21.86 | 3.34 | 1.70 | 1.27 | 1.05 | 1.07 | 7.76 | CMS |
| Max | 5.15 | 32.02 | 18.05 | 22.01 | 48.50 | 45.75 | 52.50 | 5.35 | 2.15 | 1.45 | 1.10 | 1.83 | 52.50 | CMS |
| Min | 0.07 | 0.70 | 1.70 | 3.70 | 4.85 | 9.28 | 4.95 | 2.15 | 1.40 | 1.15 | 0.97 | 0.91 | 0.07 | CMS |
| Runoff | 2.88 | 17.73 | 12.62 | 20.43 | 37.91 | 72.63 | 58.56 | 8.65 | 4.54 | 3.41 | 2.54 | 2.86 | 244.75 | MCM |

Momentary Peak 77.70 CMS. at 354.09 m. (MSL.) at 12.00 Hours , on Aug 31, 2006

Runoff Yield 20.00 Liters/Second/Square KM. Momentary Peak Yield 200.26 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Nam Huai at Ban Nam Huai , Loei (Kh.78)

Lat 17 - 23 - 00 N Long 101 - 42 - 40 E

**Location : on left bank at the bridge of Amphoe Wang Saphung - Amphoe Mueang Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Nam Huai | **Amphoe** Mueang | **Changwat** Loei |
| **Drainge Area** | 219 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +246.224 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream side at the footpath of the bridge. | **Elevation** +256.495 m. (MSL.) | |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1993 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1993 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. The concrete weir situated about 700 meters downstream from the gage site. Stage-discharge relation defined by 6 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

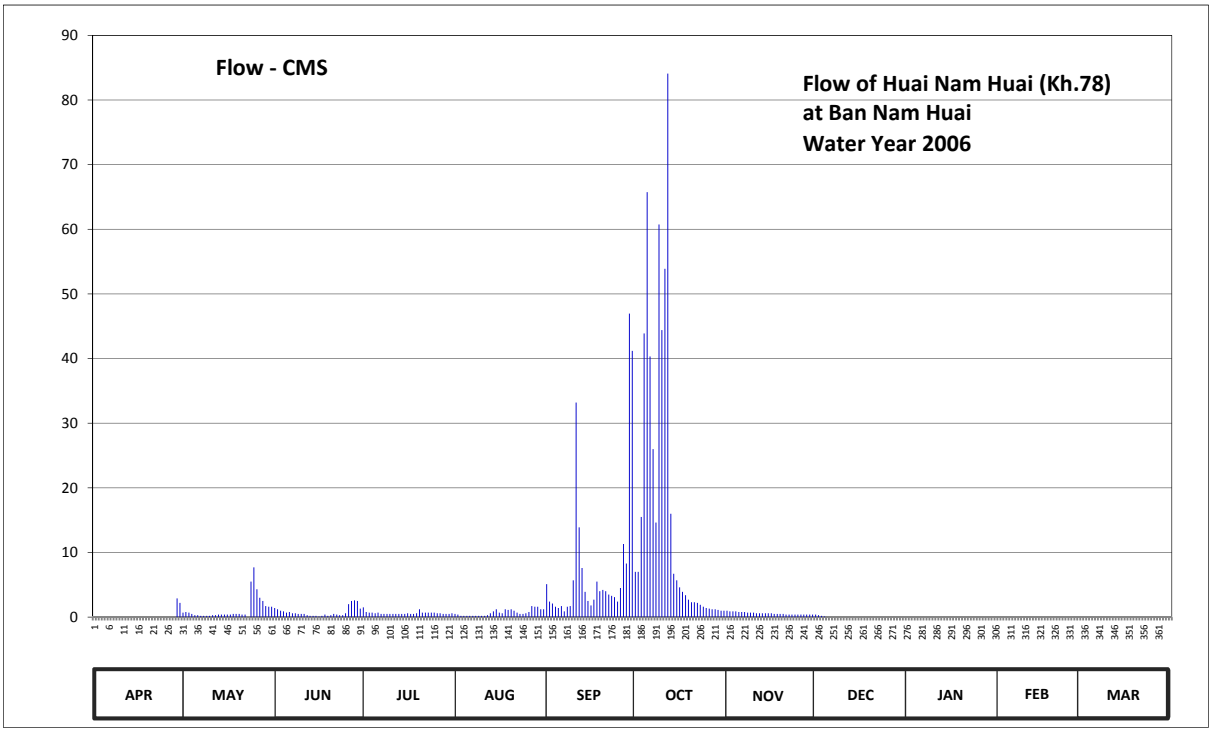
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 247.39 | 248.47 | 248.54 | 248.55 | 248.45 | 248.91 | 249.10 | 248.50 | 248.44 | 248.39 | 248.37 | 247.82 | |
| 2 | 247.39 | 248.48 | 248.52 | 248.48 | 248.44 | 248.64 | 249.10 | 248.49 | 248.43 | 248.39 | 248.36 | 247.82 | |
| 3 | 247.39 | 248.47 | 248.50 | 248.47 | 248.42 | 248.61 | 249.88 | 248.49 | 248.42 | 248.39 | 248.36 | 247.81 | |
| 4 | 247.39 | 248.45 | 248.49 | 248.47 | 248.42 | 248.56 | 251.70 | 248.49 | 248.41 | 248.39 | 248.35 | 247.81 | |
| 5 | 247.37 | 248.43 | 248.47 | 248.46 | 248.42 | 248.54 | 252.81 | 248.48 | 248.40 | 248.39 | 248.34 | 247.80 | |
| 6 | 247.32 | 248.43 | 248.48 | 248.47 | 248.42 | 248.57 | 251.49 | 248.48 | 248.40 | 248.39 | 248.33 | 247.80 | |
| 7 | 247.32 | 248.42 | 248.46 | 248.45 | 248.42 | 248.49 | 250.60 | 248.48 | 248.40 | 248.39 | 248.32 | 247.80 | |
| 8 | 247.32 | 248.42 | 248.46 | 248.45 | 248.42 | 248.56 | 249.81 | 248.47 | 248.40 | 248.39 | 248.31 | 247.80 | |
| 9 | 247.32 | 248.42 | 248.45 | 248.45 | 248.42 | 248.57 | 252.61 | 248.47 | 248.40 | 248.39 | 248.31 | 247.80 | |
| 10 | 247.32 | 248.42 | 248.45 | 248.45 | 248.42 | 248.97 | 251.73 | 248.47 | 248.40 | 248.39 | 248.30 | 247.79 | |
| 11 | 247.32 | 248.43 | 248.45 | 248.45 | 248.42 | 251.07 | 252.27 | 248.46 | 248.40 | 248.39 | 248.30 | 247.79 | |
| 12 | 247.32 | 248.43 | 248.43 | 248.45 | 248.43 | 249.75 | 253.47 | 248.46 | 248.40 | 248.38 | 248.29 | 247.78 | |
| 13 | 247.32 | 248.44 | 248.42 | 248.45 | 248.46 | 249.16 | 249.92 | 248.46 | 248.40 | 248.38 | 248.28 | 247.78 | |
| 14 | 247.33 | 248.44 | 248.42 | 248.45 | 248.49 | 248.79 | 249.07 | 248.46 | 248.40 | 248.38 | 248.27 | 247.77 | |
| 15 | 247.34 | 248.44 | 248.42 | 248.45 | 248.52 | 248.65 | 248.97 | 248.46 | 248.40 | 248.38 | 248.26 | 247.77 | |
| 16 | 247.34 | 248.44 | 248.41 | 248.46 | 248.47 | 248.58 | 248.86 | 248.46 | 248.40 | 248.38 | 248.25 | 247.76 | |
| 17 | 247.34 | 248.44 | 248.42 | 248.45 | 248.46 | 248.67 | 248.79 | 248.45 | 248.40 | 248.38 | 248.24 | 247.76 | |
| 18 | 247.34 | 248.45 | 248.44 | 248.45 | 248.52 | 248.95 | 248.74 | 248.45 | 248.40 | 248.38 | 248.23 | 247.76 | |
| 19 | 247.34 | 248.45 | 248.42 | 248.46 | 248.51 | 248.80 | 248.67 | 248.45 | 248.40 | 248.38 | 248.22 | 247.75 | |
| 20 | 247.34 | 248.45 | 248.43 | 248.52 | 248.52 | 248.82 | 248.63 | 248.45 | 248.40 | 248.38 | 248.20 | 247.74 | |
| 21 | 247.34 | 248.44 | 248.45 | 248.47 | 248.50 | 248.80 | 248.63 | 248.44 | 248.40 | 248.38 | 248.17 | 247.74 | |
| 22 | 247.34 | 248.44 | 248.44 | 248.47 | 248.47 | 248.75 | 248.62 | 248.44 | 248.40 | 248.37 | 248.12 | 247.73 | |
| 23 | 247.41 | 248.40 | 248.43 | 248.47 | 248.45 | 248.73 | 248.59 | 248.44 | 248.40 | 248.37 | 248.08 | 247.72 | |
| 24 | 247.58 | 248.95 | 248.43 | 248.47 | 248.45 | 248.71 | 248.56 | 248.44 | 248.40 | 248.37 | 248.04 | 247.71 | |
| 25 | 247.67 | 249.17 | 248.46 | 248.47 | 248.46 | 248.64 | 248.54 | 248.44 | 248.40 | 248.37 | 248.00 | 247.70 | |
| 26 | 247.83 | 248.83 | 248.60 | 248.46 | 248.48 | 248.85 | 248.53 | 248.44 | 248.40 | 248.37 | 247.92 | 247.70 | |
| 27 | 248.23 | 248.70 | 248.65 | 248.46 | 248.57 | 249.53 | 248.52 | 248.44 | 248.40 | 248.37 | 247.83 | 247.69 | |
| 28 | 248.34 | 248.65 | 248.66 | 248.45 | 248.56 | 249.23 | 248.52 | 248.44 | 248.39 | 248.37 | 247.82 | 247.68 | |
| 29 | 248.69 | 248.57 | 248.65 | 248.45 | 248.56 | 251.88 | 248.51 | 248.44 | 248.39 | 248.37 | | 247.67 | |
| 30 | 248.62 | 248.56 | 248.53 | 248.45 | 248.52 | 251.54 | 248.50 | 248.44 | 248.39 | 248.37 | | 247.67 | |
| 31 | | 248.56 | | 248.46 | 248.52 | | 248.50 | | 248.39 | 248.37 | | 247.66 | |
| Mean | 247.53 | 248.52 | 248.48 | 248.46 | 248.47 | 249.08 | 249.69 | 248.46 | 248.40 | 248.38 | 248.21 | 247.75 | |
| Max | 248.69 | 249.17 | 248.66 | 248.55 | 248.57 | 251.88 | 253.47 | 248.50 | 248.44 | 248.39 | 248.37 | 247.82 | 253.47 |
| Min | 247.32 | 248.40 | 248.41 | 248.45 | 248.42 | 248.49 | 248.50 | 248.44 | 248.39 | 248.37 | 247.82 | 247.66 | 247.32 |

Annual Max Momentary Gage Height 254.17 m. (MSL.) , at 06.00 Hours , on Oct 12, 2006

Zero Gage at Bottom Elevation 246.22 m. (MSL.) , River Bed 247.36 m. (MSL.)

Left Bank Elevation 256.25 m. (MSL.) ,

Right Bank Elevation 256.22 m. (MSL.) , Drainage Are 219 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.70 | 1.40 | 1.50 | 0.50 | 5.10 | 7.00 | 1.00 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.80 | 1.20 | 0.80 | 0.40 | 2.40 | 7.00 | 0.90 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.70 | 1.00 | 0.70 | 0.20 | 2.10 | 15.50 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.50 | 0.90 | 0.70 | 0.20 | 1.60 | 43.90 | 0.90 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.30 | 0.70 | 0.60 | 0.20 | 1.40 | 65.75 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.30 | 0.80 | 0.70 | 0.20 | 1.70 | 40.33 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.20 | 0.60 | 0.50 | 0.20 | 0.90 | 26.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.20 | 0.60 | 0.50 | 0.20 | 1.60 | 14.63 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.20 | 0.50 | 0.50 | 0.20 | 1.70 | 60.75 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.20 | 0.50 | 0.50 | 0.20 | 5.70 | 44.41 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.30 | 0.50 | 0.50 | 0.20 | 33.19 | 53.90 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.30 | 0.30 | 0.50 | 0.30 | 13.88 | 84.10 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.40 | 0.20 | 0.50 | 0.60 | 7.60 | 16.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.40 | 0.20 | 0.50 | 0.90 | 3.90 | 6.70 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.40 | 0.20 | 0.50 | 1.20 | 2.50 | 5.70 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.40 | 0.10 | 0.60 | 0.70 | 1.80 | 4.60 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.40 | 0.20 | 0.50 | 0.60 | 2.70 | 3.90 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.50 | 0.40 | 0.50 | 1.20 | 5.50 | 3.40 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.50 | 0.20 | 0.60 | 1.10 | 4.00 | 2.70 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.50 | 0.30 | 1.20 | 1.20 | 4.20 | 2.30 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.40 | 0.50 | 0.70 | 1.00 | 4.00 | 2.30 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.40 | 0.40 | 0.70 | 0.70 | 3.50 | 2.20 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.30 | 0.70 | 0.50 | 3.30 | 1.90 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 5.50 | 0.30 | 0.70 | 0.50 | 3.10 | 1.60 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 7.70 | 0.60 | 0.70 | 0.60 | 2.40 | 1.40 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 4.30 | 2.00 | 0.60 | 0.80 | 4.50 | 1.30 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 3.00 | 2.50 | 0.60 | 1.70 | 11.30 | 1.20 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 2.50 | 2.60 | 0.50 | 1.60 | 8.30 | 1.20 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 2.90 | 1.70 | 2.50 | 0.50 | 1.60 | 46.96 | 1.10 | 0.40 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 2.20 | 1.60 | 1.30 | 0.50 | 1.20 | 41.18 | 1.00 | 0.40 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 1.60 | | 0.60 | 1.20 | | 1.00 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 5.10 | 36.90 | 23.80 | 19.70 | 21.90 | 232.01 | 524.77 | 17.80 | 1.00 | 0.00 | 0.00 | 0.00 | 882.98 | CMSDAY |
| Mean | 0.17 | 1.19 | 0.79 | 0.64 | 0.71 | 7.73 | 16.93 | 0.59 | 0.03 | 0.00 | 0.00 | 0.00 | 2.42 | CMS |
| Max | 2.90 | 7.70 | 2.60 | 1.50 | 1.70 | 46.96 | 84.10 | 1.00 | 0.40 | 0.00 | 0.00 | 0.00 | 84.10 | CMS |
| Min | 0.00 | 0.00 | 0.10 | 0.50 | 0.20 | 0.90 | 1.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.44 | 3.19 | 2.06 | 1.70 | 1.89 | 20.05 | 45.34 | 1.54 | 0.09 | 0.00 | 0.00 | 0.00 | 76.29 | MCM |

Momentary Peak 109.80 CMS. at 254.17 m. (MSL.) at 06.00 Hours , on Oct 12, 2006

Runoff Yield 11.05 Liters/Second/Square KM. Momentary Peak Yield 501.37 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Sai at Ban Nong - ian Dong, Muk Dahan (Kh.84)

Lat 16 - 32 - 17 N Long 104 - 24 - 12 E

**Location : on left bank at the bridge of Ban Huai Sai - Ban Nong - ian Dong Road.**

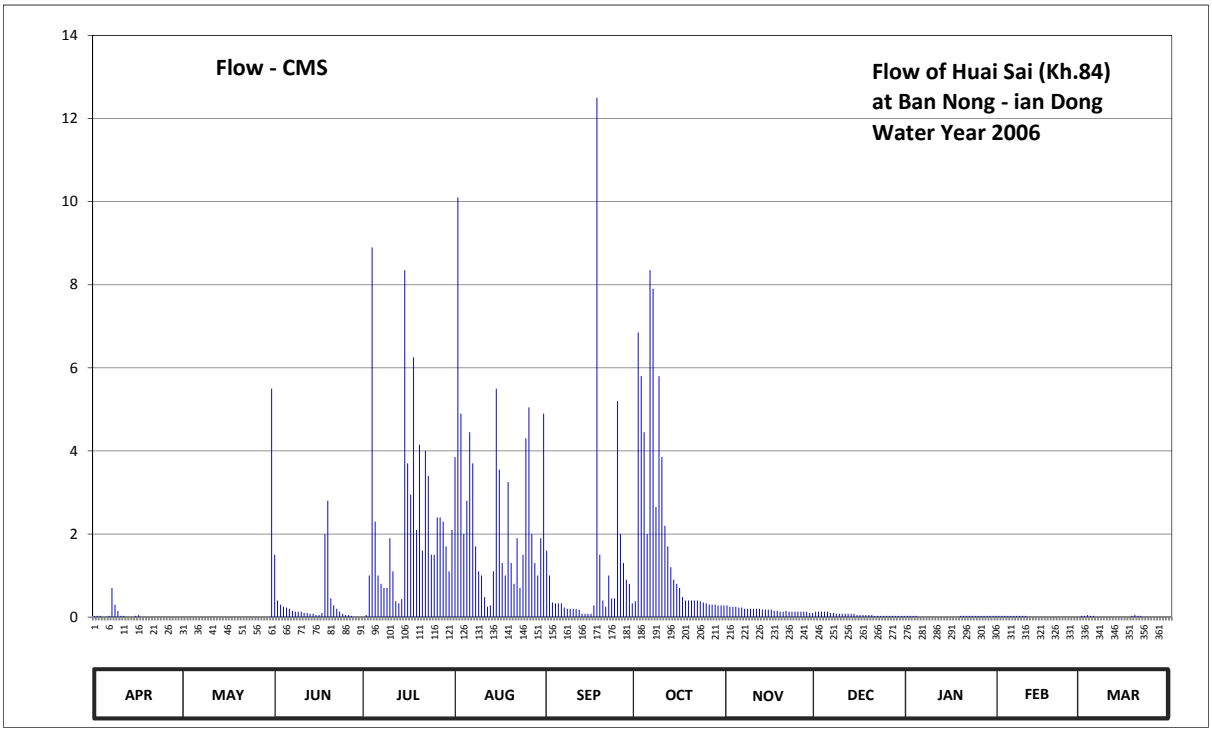
**Ban** Nong - ian Dong **Amphoe** Kham Cha - I **Changwat** Muk Dahan

| | |
|---|---|
| **Drainge Area** | 46 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +184.730 m. (MSL.) |
| **Bench Mark** | B.M.- Highways Dept. |
| **Location BM** | On left bank downstream side at the footpath of the bridge. **Elevation** +190.766 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 185.11 | 185.07 | 185.40 | 185.09 | 185.59 | 185.41 | 185.25 | 185.21 | 185.15 | 185.11 | 185.11 | 185.11 | |
| 2 | 185.11 | 185.07 | 185.26 | 185.12 | 185.98 | 185.35 | 185.79 | 185.20 | 185.15 | 185.11 | 185.11 | 185.11 | |
| 3 | 185.11 | 185.07 | 185.22 | 185.35 | 185.66 | 185.24 | 185.72 | 185.20 | 185.15 | 185.11 | 185.11 | 185.12 | |
| 4 | 185.10 | 185.07 | 185.20 | 185.92 | 185.45 | 185.23 | 185.63 | 185.20 | 185.15 | 185.11 | 185.11 | 185.11 | |
| 5 | 185.10 | 185.07 | 185.19 | 185.48 | 185.52 | 185.23 | 185.45 | 185.19 | 185.15 | 185.10 | 185.11 | 185.11 | |
| 6 | 185.11 | 185.07 | 185.18 | 185.35 | 185.63 | 185.23 | 185.89 | 185.19 | 185.14 | 185.10 | 185.11 | 185.10 | |
| 7 | 185.32 | 185.07 | 185.16 | 185.33 | 185.58 | 185.19 | 185.86 | 185.18 | 185.14 | 185.10 | 185.11 | 185.10 | |
| 8 | 185.22 | 185.07 | 185.15 | 185.32 | 185.42 | 185.18 | 185.51 | 185.18 | 185.13 | 185.10 | 185.11 | 185.09 | |
| 9 | 185.16 | 185.07 | 185.15 | 185.32 | 185.36 | 185.18 | 185.72 | 185.18 | 185.13 | 185.10 | 185.11 | 185.09 | |
| 10 | 185.11 | 185.07 | 185.15 | 185.44 | 185.35 | 185.18 | 185.59 | 185.18 | 185.13 | 185.10 | 185.11 | 185.09 | |
| 11 | 185.11 | 185.07 | 185.14 | 185.36 | 185.29 | 185.18 | 185.47 | 185.18 | 185.13 | 185.10 | 185.10 | 185.08 | |
| 12 | 185.10 | 185.07 | 185.14 | 185.25 | 185.20 | 185.17 | 185.42 | 185.18 | 185.13 | 185.10 | 185.10 | 185.07 | |
| 13 | 185.09 | 185.06 | 185.13 | 185.23 | 185.21 | 185.13 | 185.37 | 185.17 | 185.13 | 185.10 | 185.10 | 185.07 | |
| 14 | 185.08 | 185.06 | 185.13 | 185.27 | 185.36 | 185.13 | 185.34 | 185.17 | 185.13 | 185.10 | 185.10 | 185.07 | |
| 15 | 185.11 | 185.06 | 185.12 | 185.89 | 185.70 | 185.13 | 185.33 | 185.17 | 185.12 | 185.10 | 185.10 | 185.07 | |
| 16 | 185.12 | 185.06 | 185.12 | 185.58 | 185.57 | 185.13 | 185.32 | 185.17 | 185.12 | 185.10 | 185.10 | 185.07 | |
| 17 | 185.10 | 185.05 | 185.14 | 185.53 | 185.38 | 185.21 | 185.29 | 185.16 | 185.12 | 185.10 | 185.10 | 185.07 | |
| 18 | 185.08 | 185.04 | 185.45 | 185.75 | 185.35 | 186.08 | 185.26 | 185.16 | 185.12 | 185.10 | 185.10 | 185.11 | |
| 19 | 185.07 | 185.04 | 185.52 | 185.46 | 185.55 | 185.40 | 185.26 | 185.15 | 185.12 | 185.11 | 185.10 | 185.12 | |
| 20 | 185.07 | 185.06 | 185.28 | 185.61 | 185.38 | 185.26 | 185.26 | 185.15 | 185.12 | 185.11 | 185.10 | 185.11 | |
| 21 | 185.07 | 185.06 | 185.21 | 185.41 | 185.33 | 185.20 | 185.26 | 185.16 | 185.11 | 185.11 | 185.10 | 185.11 | |
| 22 | 185.06 | 185.06 | 185.18 | 185.60 | 185.44 | 185.35 | 185.26 | 185.15 | 185.11 | 185.11 | 185.10 | 185.10 | |
| 23 | 185.06 | 185.06 | 185.15 | 185.56 | 185.32 | 185.28 | 185.25 | 185.15 | 185.11 | 185.11 | 185.10 | 185.10 | |
| 24 | 185.06 | 185.04 | 185.13 | 185.40 | 185.40 | 185.28 | 185.24 | 185.15 | 185.11 | 185.11 | 185.10 | 185.10 | |
| 25 | 185.06 | 185.04 | 185.12 | 185.40 | 185.62 | 185.68 | 185.23 | 185.15 | 185.11 | 185.11 | 185.10 | 185.10 | |
| 26 | 185.06 | 185.03 | 185.12 | 185.49 | 185.67 | 185.45 | 185.22 | 185.15 | 185.11 | 185.11 | 185.10 | 185.10 | |
| 27 | 185.06 | 185.06 | 185.11 | 185.49 | 185.45 | 185.38 | 185.22 | 185.15 | 185.11 | 185.11 | 185.10 | 185.09 | |
| 28 | 185.06 | 185.04 | 185.09 | 185.48 | 185.38 | 185.34 | 185.22 | 185.15 | 185.11 | 185.11 | 185.10 | 185.08 | |
| 29 | 185.08 | 185.05 | 185.08 | 185.42 | 185.35 | 185.33 | 185.21 | 185.14 | 185.11 | 185.11 | | 185.08 | |
| 30 | 185.08 | 185.08 | 185.08 | 185.36 | 185.44 | 185.23 | 185.21 | 185.14 | 185.11 | 185.11 | | 185.08 | |
| 31 | | 185.70 | | 185.46 | 185.66 | | 185.21 | | 185.11 | 185.11 | | 185.08 | |
| Mean | 185.10 | 185.08 | 185.18 | 185.44 | 185.47 | 185.29 | 185.40 | 185.17 | 185.12 | 185.11 | 185.10 | 185.09 | |
| Max | 185.32 | 185.70 | 185.52 | 185.92 | 185.98 | 186.08 | 185.89 | 185.21 | 185.15 | 185.11 | 185.11 | 185.12 | 186.08 |
| Min | 185.06 | 185.03 | 185.08 | 185.09 | 185.20 | 185.13 | 185.21 | 185.14 | 185.11 | 185.10 | 185.10 | 185.07 | 185.03 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 186.71 | m. (MSL.) , | at 18.00 Hours , on Oct 6, 2006 | | |
| Zero Gage at Bottom Elevation | 184.73 | m. (MSL.) , | River Bed | 183.08 | m. (MSL.) |
| Left Bank Elevation | 190.52 | m. (MSL.) , | | | |
| Right Bank Elevation | 190.50 | m. (MSL.) , | Drainage Are | 46 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.03 | 0.00 | 1.50 | 0.00 | 3.85 | 1.60 | 0.38 | 0.28 | 0.13 | 0.03 | 0.03 | 0.03 | | |
| 2 | 0.03 | 0.00 | 0.40 | 0.05 | 10.10 | 1.00 | 6.85 | 0.25 | 0.13 | 0.03 | 0.03 | 0.03 | | |
| 3 | 0.03 | 0.00 | 0.30 | 1.00 | 4.90 | 0.35 | 5.80 | 0.25 | 0.13 | 0.03 | 0.03 | 0.05 | | |
| 4 | 0.00 | 0.00 | 0.25 | 8.90 | 2.00 | 0.33 | 4.45 | 0.25 | 0.13 | 0.03 | 0.03 | 0.03 | | |
| 5 | 0.00 | 0.00 | 0.23 | 2.30 | 2.80 | 0.33 | 2.00 | 0.23 | 0.13 | 0.00 | 0.03 | 0.03 | | |
| 6 | 0.03 | 0.00 | 0.20 | 1.00 | 4.45 | 0.33 | 8.35 | 0.23 | 0.10 | 0.00 | 0.03 | 0.00 | | |
| 7 | 0.70 | 0.00 | 0.15 | 0.80 | 3.70 | 0.23 | 7.90 | 0.20 | 0.10 | 0.00 | 0.03 | 0.00 | | |
| 8 | 0.30 | 0.00 | 0.13 | 0.70 | 1.70 | 0.20 | 2.65 | 0.20 | 0.08 | 0.00 | 0.03 | 0.00 | | |
| 9 | 0.15 | 0.00 | 0.13 | 0.70 | 1.10 | 0.20 | 5.80 | 0.20 | 0.08 | 0.00 | 0.03 | 0.00 | | |
| 10 | 0.03 | 0.00 | 0.13 | 1.90 | 1.00 | 0.20 | 3.85 | 0.20 | 0.08 | 0.00 | 0.03 | 0.00 | | |
| 11 | 0.03 | 0.00 | 0.10 | 1.10 | 0.48 | 0.20 | 2.20 | 0.20 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.10 | 0.38 | 0.25 | 0.18 | 1.70 | 0.20 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.08 | 0.33 | 0.28 | 0.08 | 1.20 | 0.18 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.08 | 0.43 | 1.10 | 0.08 | 0.90 | 0.18 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.03 | 0.00 | 0.05 | 8.35 | 5.50 | 0.08 | 0.80 | 0.18 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.05 | 0.00 | 0.05 | 3.70 | 3.55 | 0.08 | 0.70 | 0.18 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.10 | 2.95 | 1.30 | 0.28 | 0.48 | 0.15 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 2.00 | 6.25 | 1.00 | 12.50 | 0.40 | 0.15 | 0.05 | 0.00 | 0.00 | 0.03 | | |
| 19 | 0.00 | 0.00 | 2.80 | 2.10 | 3.25 | 1.50 | 0.40 | 0.13 | 0.05 | 0.03 | 0.00 | 0.05 | | |
| 20 | 0.00 | 0.00 | 0.45 | 4.15 | 1.30 | 0.40 | 0.40 | 0.13 | 0.05 | 0.03 | 0.00 | 0.03 | | |
| 21 | 0.00 | 0.00 | 0.28 | 1.60 | 0.80 | 0.25 | 0.40 | 0.15 | 0.03 | 0.03 | 0.00 | 0.03 | | |
| 22 | 0.00 | 0.00 | 0.20 | 4.00 | 1.90 | 1.00 | 0.40 | 0.13 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.13 | 3.40 | 0.70 | 0.45 | 0.38 | 0.13 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.08 | 1.50 | 1.50 | 0.45 | 0.35 | 0.13 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.05 | 1.50 | 4.30 | 5.20 | 0.33 | 0.13 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.05 | 2.40 | 5.05 | 2.00 | 0.30 | 0.13 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.03 | 2.40 | 2.00 | 1.30 | 0.30 | 0.13 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 2.30 | 1.30 | 0.90 | 0.30 | 0.13 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 1.70 | 1.00 | 0.80 | 0.28 | 0.10 | 0.03 | 0.03 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 1.10 | 1.90 | 0.33 | 0.28 | 0.10 | 0.03 | 0.03 | | 0.00 | | |
| 31 | | 5.50 | | 2.10 | 4.90 | | 0.28 | | 0.03 | 0.03 | | 0.00 | | |
| Total | 1.41 | 5.50 | 10.05 | 71.09 | 78.96 | 32.83 | 60.81 | 5.23 | 2.04 | 0.51 | 0.30 | 0.31 | 269.04 | CMSDAY |
| Mean | 0.05 | 0.18 | 0.33 | 2.29 | 2.55 | 1.09 | 1.96 | 0.17 | 0.07 | 0.02 | 0.01 | 0.01 | 0.74 | CMS |
| Max | 0.70 | 5.50 | 2.80 | 8.90 | 10.10 | 12.50 | 8.35 | 0.28 | 0.13 | 0.03 | 0.03 | 0.05 | 12.50 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.08 | 0.28 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.12 | 0.48 | 0.87 | 6.14 | 6.82 | 2.84 | 5.25 | 0.45 | 0.18 | 0.04 | 0.03 | 0.03 | 23.25 | MCM |

Momentary Peak 29.30 CMS. at 186.71 m. (MSL.) at 18.00 Hours , on Oct 6, 2006

Runoff Yield 16.02 Liters/Second/Square KM. Momentary Peak Yield 636.96 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Nam Man at Ban Huai Sai, Loei (Kh.86)

Lat 17 - 28 - 38 N Long 101 - 40 - 47 E

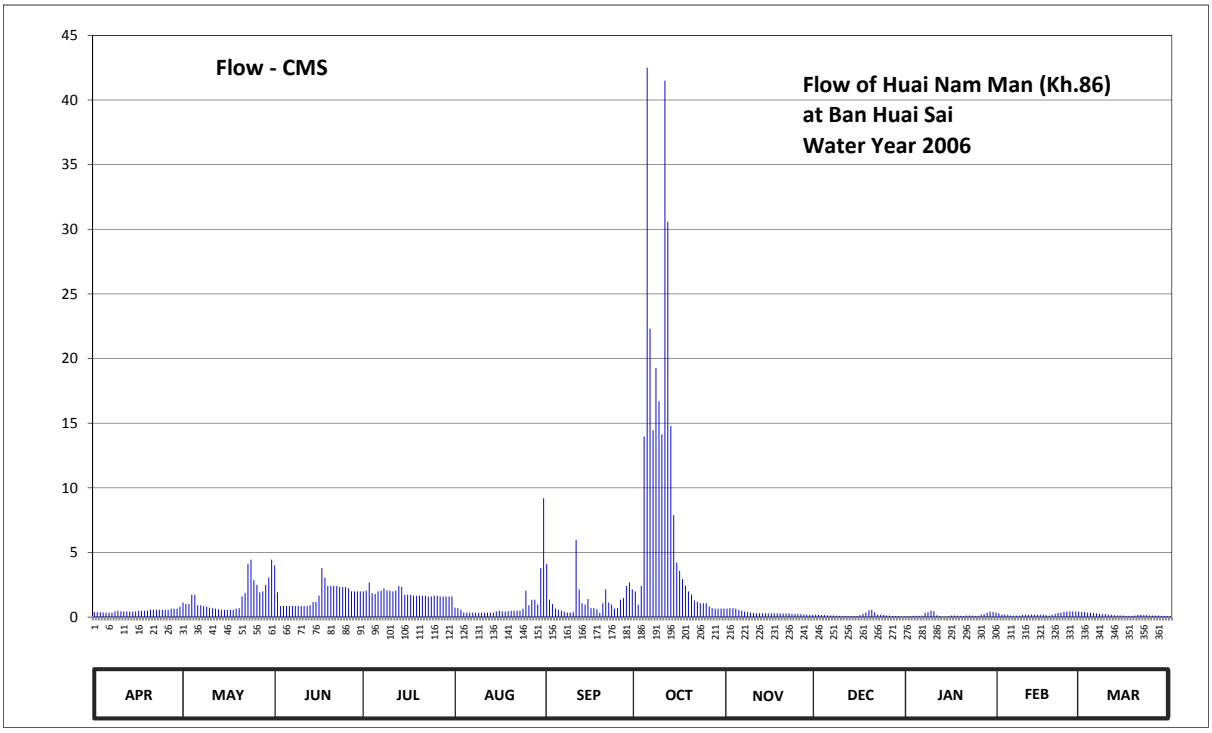
**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Huai Sai | **Amphoe** Mueang | **Changwat** Loei |
| **Drainge Area** | 91 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +249.855 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank at the footpath of the bridge. | | **Elevation** +256.645 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 250.48 | 250.65 | 251.00 | 250.79 | 250.57 | 251.01 | 250.79 | 250.55 | 250.39 | 250.33 | 250.44 | 250.48 | |
| 2 | 250.47 | 250.63 | 250.78 | 250.80 | 250.56 | 250.69 | 250.62 | 250.56 | 250.39 | 250.34 | 250.40 | 250.47 | |
| 3 | 250.47 | 250.63 | 250.60 | 250.87 | 250.53 | 250.63 | 250.84 | 250.56 | 250.38 | 250.35 | 250.40 | 250.46 | |
| 4 | 250.46 | 250.75 | 250.60 | 250.77 | 250.46 | 250.55 | 251.78 | 250.55 | 250.38 | 250.35 | 250.39 | 250.45 | |
| 5 | 250.46 | 250.75 | 250.60 | 250.76 | 250.46 | 250.53 | 253.36 | 250.53 | 250.37 | 250.35 | 250.36 | 250.44 | |
| 6 | 250.46 | 250.61 | 250.60 | 250.79 | 250.46 | 250.51 | 252.29 | 250.51 | 250.37 | 250.36 | 250.36 | 250.43 | |
| 7 | 250.46 | 250.61 | 250.60 | 250.80 | 250.46 | 250.49 | 251.81 | 250.49 | 250.36 | 250.45 | 250.36 | 250.42 | |
| 8 | 250.50 | 250.60 | 250.60 | 250.82 | 250.46 | 250.46 | 252.11 | 250.47 | 250.36 | 250.47 | 250.36 | 250.41 | |
| 9 | 250.51 | 250.59 | 250.60 | 250.80 | 250.46 | 250.46 | 251.95 | 250.46 | 250.35 | 250.51 | 250.39 | 250.41 | |
| 10 | 250.50 | 250.57 | 250.60 | 250.80 | 250.46 | 250.47 | 251.79 | 250.45 | 250.35 | 250.50 | 250.39 | 250.40 | |
| 11 | 250.49 | 250.56 | 250.60 | 250.79 | 250.46 | 251.18 | 253.31 | 250.44 | 250.35 | 250.37 | 250.39 | 250.39 | |
| 12 | 250.49 | 250.55 | 250.60 | 250.80 | 250.46 | 250.81 | 252.75 | 250.44 | 250.34 | 250.35 | 250.40 | 250.38 | |
| 13 | 250.49 | 250.54 | 250.61 | 250.84 | 250.46 | 250.64 | 251.83 | 250.44 | 250.34 | 250.31 | 250.40 | 250.37 | |
| 14 | 250.49 | 250.53 | 250.66 | 250.83 | 250.46 | 250.62 | 251.33 | 250.44 | 250.34 | 250.32 | 250.40 | 250.37 | |
| 15 | 250.50 | 250.53 | 250.66 | 250.75 | 250.50 | 250.70 | 251.02 | 250.44 | 250.34 | 250.33 | 250.40 | 250.36 | |
| 16 | 250.51 | 250.53 | 250.74 | 250.75 | 250.51 | 250.56 | 250.96 | 250.44 | 250.38 | 250.36 | 250.40 | 250.35 | |
| 17 | 250.51 | 250.53 | 250.98 | 250.75 | 250.50 | 250.56 | 250.90 | 250.44 | 250.42 | 250.36 | 250.38 | 250.35 | |
| 18 | 250.51 | 250.53 | 250.91 | 250.74 | 250.49 | 250.54 | 250.84 | 250.44 | 250.46 | 250.35 | 250.36 | 250.35 | |
| 19 | 250.51 | 250.55 | 250.84 | 250.74 | 250.50 | 250.46 | 250.79 | 250.43 | 250.52 | 250.35 | 250.39 | 250.36 | |
| 20 | 250.53 | 250.56 | 250.84 | 250.74 | 250.51 | 250.64 | 250.75 | 250.43 | 250.53 | 250.34 | 250.42 | 250.39 | |
| 21 | 250.53 | 250.73 | 250.84 | 250.74 | 250.51 | 250.81 | 250.68 | 250.43 | 250.47 | 250.36 | 250.45 | 250.39 | |
| 22 | 250.53 | 250.77 | 250.84 | 250.74 | 250.51 | 250.65 | 250.66 | 250.43 | 250.40 | 250.36 | 250.46 | 250.38 | |
| 23 | 250.53 | 251.01 | 250.83 | 250.73 | 250.51 | 250.62 | 250.64 | 250.42 | 250.39 | 250.36 | 250.48 | 250.38 | |
| 24 | 250.53 | 251.04 | 250.83 | 250.73 | 250.55 | 250.55 | 250.64 | 250.42 | 250.38 | 250.35 | 250.49 | 250.37 | |
| 25 | 250.53 | 250.89 | 250.83 | 250.74 | 250.80 | 250.56 | 250.64 | 250.41 | 250.37 | 250.35 | 250.50 | 250.36 | |
| 26 | 250.53 | 250.85 | 250.82 | 250.74 | 250.61 | 250.69 | 250.59 | 250.41 | 250.36 | 250.40 | 250.50 | 250.36 | |
| 27 | 250.55 | 250.78 | 250.79 | 250.73 | 250.69 | 250.71 | 250.56 | 250.40 | 250.34 | 250.41 | 250.49 | 250.36 | |
| 28 | 250.55 | 250.79 | 250.79 | 250.73 | 250.69 | 250.84 | 250.55 | 250.40 | 250.34 | 250.46 | 250.49 | 250.35 | |
| 29 | 250.55 | 250.85 | 250.79 | 250.73 | 250.62 | 250.87 | 250.55 | 250.39 | 250.34 | 250.49 | | 250.35 | |
| 30 | 250.59 | 250.91 | 250.79 | 250.73 | 250.98 | 250.81 | 250.55 | 250.39 | 250.33 | 250.48 | | 250.34 | |
| 31 | | 251.04 | | 250.73 | 251.43 | | 250.55 | | 250.33 | 250.46 | | 250.34 | |
| Mean | 250.51 | 250.69 | 250.74 | 250.77 | 250.57 | 250.65 | 251.24 | 250.45 | 250.38 | 250.38 | 250.42 | 250.39 | |
| Max | 250.59 | 251.04 | 251.00 | 250.87 | 251.43 | 251.18 | 253.36 | 250.56 | 250.53 | 250.51 | 250.50 | 250.48 | 253.36 |
| Min | 250.46 | 250.53 | 250.60 | 250.73 | 250.46 | 250.46 | 250.55 | 250.39 | 250.33 | 250.31 | 250.36 | 250.34 | 250.31 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 254.05 | m. (MSL.) , | at 12.00 Hours , on Oct 5 , 2006 | | |
| Zero Gage at Bottom Elevation | 249.86 | m. (MSL.) , | River Bed | 250.08 | m. (MSL.) |
| Left Bank Elevation | 256.40 | m. (MSL.) , | | | |
| Right Bank Elevation | 256.48 | m. (MSL.) , | Drainage Are | 91 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.40 | 1.13 | 4.00 | 1.99 | 0.73 | 4.11 | 1.99 | 0.65 | 0.18 | 0.06 | 0.30 | 0.40 | | |
| 2 | 0.38 | 1.02 | 1.92 | 2.05 | 0.69 | 1.35 | 0.96 | 0.69 | 0.18 | 0.08 | 0.20 | 0.38 | | |
| 3 | 0.38 | 1.02 | 0.85 | 2.68 | 0.57 | 1.02 | 2.41 | 0.69 | 0.16 | 0.10 | 0.20 | 0.35 | | |
| 4 | 0.35 | 1.73 | 0.85 | 1.86 | 0.35 | 0.65 | 13.98 | 0.65 | 0.16 | 0.10 | 0.18 | 0.33 | | |
| 5 | 0.35 | 1.73 | 0.85 | 1.79 | 0.35 | 0.57 | 42.50 | 0.57 | 0.14 | 0.10 | 0.12 | 0.30 | | |
| 6 | 0.35 | 0.91 | 0.85 | 1.99 | 0.35 | 0.49 | 22.32 | 0.49 | 0.14 | 0.12 | 0.12 | 0.28 | | |
| 7 | 0.35 | 0.91 | 0.85 | 2.05 | 0.35 | 0.43 | 14.46 | 0.43 | 0.12 | 0.33 | 0.12 | 0.25 | | |
| 8 | 0.45 | 0.85 | 0.85 | 2.23 | 0.35 | 0.35 | 19.26 | 0.38 | 0.12 | 0.38 | 0.12 | 0.23 | | |
| 9 | 0.49 | 0.81 | 0.85 | 2.05 | 0.35 | 0.35 | 16.70 | 0.35 | 0.10 | 0.49 | 0.18 | 0.23 | | |
| 10 | 0.45 | 0.73 | 0.85 | 2.05 | 0.35 | 0.38 | 14.14 | 0.33 | 0.10 | 0.45 | 0.18 | 0.20 | | |
| 11 | 0.43 | 0.69 | 0.85 | 1.99 | 0.35 | 5.98 | 41.50 | 0.30 | 0.10 | 0.14 | 0.18 | 0.18 | | |
| 12 | 0.43 | 0.65 | 0.85 | 2.05 | 0.35 | 2.14 | 30.60 | 0.30 | 0.08 | 0.10 | 0.20 | 0.16 | | |
| 13 | 0.43 | 0.61 | 0.91 | 2.41 | 0.35 | 1.07 | 14.78 | 0.30 | 0.08 | 0.02 | 0.20 | 0.14 | | |
| 14 | 0.43 | 0.57 | 1.18 | 2.32 | 0.35 | 0.96 | 7.89 | 0.30 | 0.08 | 0.04 | 0.20 | 0.14 | | |
| 15 | 0.45 | 0.57 | 1.18 | 1.73 | 0.45 | 1.40 | 4.22 | 0.30 | 0.08 | 0.06 | 0.20 | 0.12 | | |
| 16 | 0.49 | 0.57 | 1.66 | 1.73 | 0.49 | 0.69 | 3.58 | 0.30 | 0.16 | 0.12 | 0.20 | 0.10 | | |
| 17 | 0.49 | 0.57 | 3.79 | 1.73 | 0.45 | 0.69 | 2.95 | 0.30 | 0.25 | 0.12 | 0.16 | 0.10 | | |
| 18 | 0.49 | 0.57 | 3.06 | 1.66 | 0.43 | 0.61 | 2.41 | 0.30 | 0.35 | 0.10 | 0.12 | 0.10 | | |
| 19 | 0.49 | 0.65 | 2.41 | 1.66 | 0.45 | 0.35 | 1.99 | 0.28 | 0.53 | 0.10 | 0.18 | 0.12 | | |
| 20 | 0.57 | 0.69 | 2.41 | 1.66 | 0.49 | 1.07 | 1.73 | 0.28 | 0.57 | 0.08 | 0.25 | 0.18 | | |
| 21 | 0.57 | 1.60 | 2.41 | 1.66 | 0.49 | 2.14 | 1.29 | 0.28 | 0.38 | 0.12 | 0.33 | 0.18 | | |
| 22 | 0.57 | 1.86 | 2.41 | 1.66 | 0.49 | 1.13 | 1.18 | 0.28 | 0.20 | 0.12 | 0.35 | 0.16 | | |
| 23 | 0.57 | 4.11 | 2.32 | 1.60 | 0.49 | 0.96 | 1.07 | 0.25 | 0.18 | 0.12 | 0.40 | 0.16 | | |
| 24 | 0.57 | 4.44 | 2.32 | 1.60 | 0.65 | 0.65 | 1.07 | 0.25 | 0.16 | 0.10 | 0.43 | 0.14 | | |
| 25 | 0.57 | 2.86 | 2.32 | 1.66 | 2.05 | 0.69 | 1.07 | 0.23 | 0.14 | 0.10 | 0.45 | 0.12 | | |
| 26 | 0.57 | 2.50 | 2.23 | 1.66 | 0.91 | 1.35 | 0.81 | 0.23 | 0.12 | 0.20 | 0.45 | 0.12 | | |
| 27 | 0.65 | 1.92 | 1.99 | 1.60 | 1.35 | 1.47 | 0.69 | 0.20 | 0.08 | 0.23 | 0.43 | 0.12 | | |
| 28 | 0.65 | 1.99 | 1.99 | 1.60 | 1.35 | 2.41 | 0.65 | 0.20 | 0.08 | 0.35 | 0.43 | 0.10 | | |
| 29 | 0.65 | 2.50 | 1.99 | 1.60 | 0.96 | 2.68 | 0.65 | 0.18 | 0.08 | 0.43 | | 0.10 | | |
| 30 | 0.81 | 3.06 | 1.99 | 1.60 | 3.79 | 2.14 | 0.65 | 0.18 | 0.06 | 0.40 | | 0.08 | | |
| 31 | | 4.44 | | 1.60 | 9.19 | | 0.65 | | 0.06 | 0.35 | | 0.08 | | |
| Total | 14.83 | 48.26 | 52.99 | 57.52 | 30.32 | 40.28 | 270.15 | 10.47 | 5.22 | 5.61 | 6.88 | 5.65 | 548.18 | CMSDAY |
| Mean | 0.49 | 1.56 | 1.77 | 1.86 | 0.98 | 1.34 | 8.71 | 0.35 | 0.17 | 0.18 | 0.25 | 0.18 | 1.50 | CMS |
| Max | 0.81 | 4.44 | 4.00 | 2.68 | 9.19 | 5.98 | 42.50 | 0.69 | 0.57 | 0.49 | 0.45 | 0.40 | 42.50 | CMS |
| Min | 0.35 | 0.57 | 0.85 | 1.60 | 0.35 | 0.35 | 0.65 | 0.18 | 0.06 | 0.02 | 0.12 | 0.08 | 0.02 | CMS |
| Runoff | 1.28 | 4.17 | 4.58 | 4.97 | 2.62 | 3.48 | 23.34 | 0.90 | 0.45 | 0.48 | 0.59 | 0.49 | 47.36 | MCM |

Momentary Peak 56.85 CMS. at 254.05 m. (MSL.) at 12.00 Hours , on Oct 5 , 2006

Runoff Yield 16.50 Liters/Second/Square KM. Momentary Peak Yield 624.73 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Bang Sai at Ban Khua Sung, Muk Dahan (Kh.87)

Lat 16 - 52 - 23 N Long 104 - 09 - 43 E

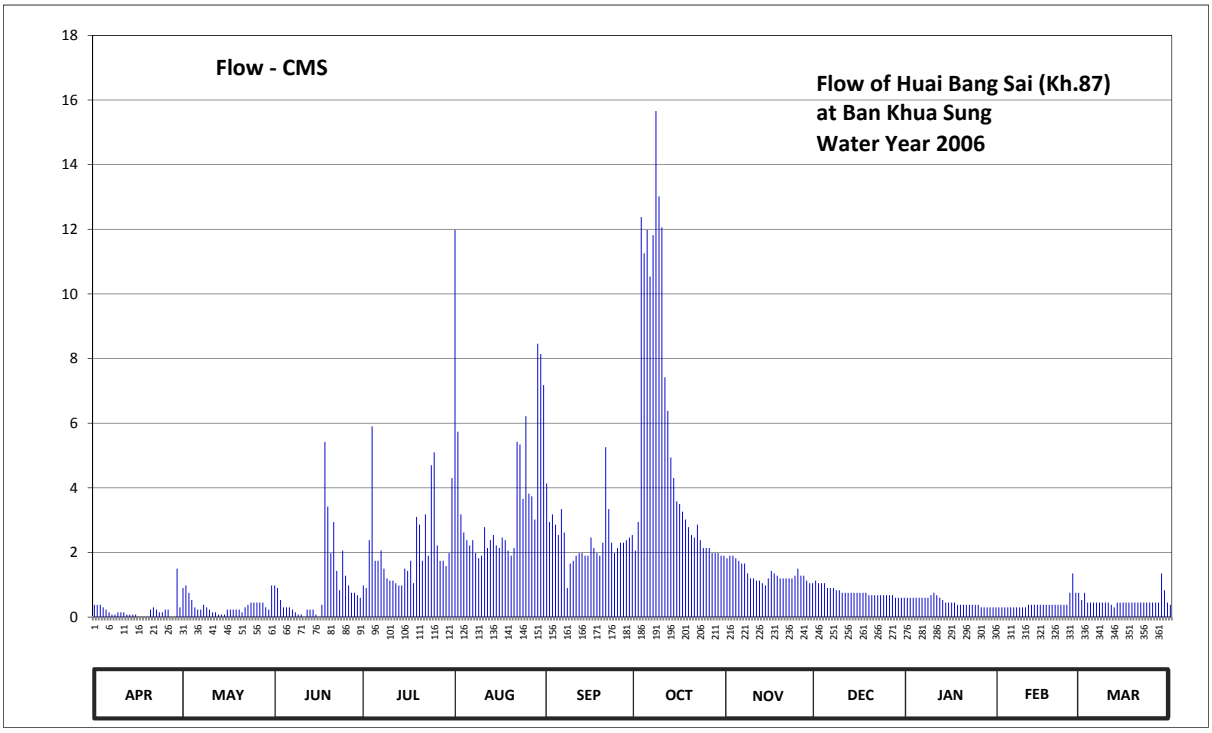
**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Khua Sung | **Amphoe** Dong Luang | **Changwat** Muk Dahan |
| **Drainge Area** | 60 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +200.850 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank at the footpath of the bridge. | | **Elevation** +210.033 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 202.35 | 202.42 | 202.43 | 202.43 | 203.81 | 202.83 | 202.57 | 202.54 | 202.45 | 202.38 | 202.34 | 202.37 | |
| 2 | 202.35 | 202.43 | 202.42 | 202.42 | 203.03 | 202.68 | 202.68 | 202.55 | 202.44 | 202.38 | 202.34 | 202.40 | |
| 3 | 202.35 | 202.40 | 202.37 | 202.61 | 202.71 | 202.71 | 203.86 | 202.55 | 202.44 | 202.38 | 202.34 | 202.36 | |
| 4 | 202.34 | 202.37 | 202.34 | 203.05 | 202.64 | 202.67 | 203.72 | 202.54 | 202.44 | 202.38 | 202.34 | 202.36 | |
| 5 | 202.33 | 202.34 | 202.34 | 202.53 | 202.61 | 202.63 | 203.81 | 202.53 | 202.42 | 202.38 | 202.34 | 202.36 | |
| 6 | 202.32 | 202.33 | 202.34 | 202.53 | 202.59 | 202.73 | 203.63 | 202.52 | 202.42 | 202.38 | 202.34 | 202.36 | |
| 7 | 202.31 | 202.33 | 202.33 | 202.57 | 202.61 | 202.64 | 203.79 | 202.52 | 202.42 | 202.38 | 202.34 | 202.36 | |
| 8 | 202.31 | 202.35 | 202.32 | 202.50 | 202.56 | 202.42 | 204.24 | 202.48 | 202.41 | 202.38 | 202.34 | 202.36 | |
| 9 | 202.32 | 202.34 | 202.31 | 202.46 | 202.54 | 202.52 | 203.94 | 202.46 | 202.41 | 202.39 | 202.34 | 202.36 | |
| 10 | 202.32 | 202.33 | 202.31 | 202.45 | 202.55 | 202.53 | 203.82 | 202.46 | 202.40 | 202.40 | 202.34 | 202.36 | |
| 11 | 202.32 | 202.32 | 202.30 | 202.45 | 202.66 | 202.55 | 203.24 | 202.45 | 202.40 | 202.39 | 202.35 | 202.35 | |
| 12 | 202.31 | 202.32 | 202.33 | 202.44 | 202.58 | 202.56 | 203.11 | 202.45 | 202.40 | 202.38 | 202.35 | 202.34 | |
| 13 | 202.31 | 202.31 | 202.33 | 202.43 | 202.61 | 202.56 | 202.93 | 202.44 | 202.40 | 202.37 | 202.35 | 202.36 | |
| 14 | 202.31 | 202.31 | 202.33 | 202.43 | 202.63 | 202.55 | 202.85 | 202.43 | 202.40 | 202.36 | 202.35 | 202.36 | |
| 15 | 202.31 | 202.31 | 202.31 | 202.50 | 202.59 | 202.55 | 202.76 | 202.46 | 202.40 | 202.36 | 202.35 | 202.36 | |
| 16 | 202.30 | 202.33 | 202.30 | 202.49 | 202.58 | 202.62 | 202.75 | 202.49 | 202.40 | 202.36 | 202.35 | 202.36 | |
| 17 | 202.30 | 202.33 | 202.35 | 202.53 | 202.62 | 202.58 | 202.72 | 202.48 | 202.40 | 202.36 | 202.35 | 202.36 | |
| 18 | 202.30 | 202.33 | 202.99 | 202.44 | 202.61 | 202.56 | 202.69 | 202.47 | 202.40 | 202.35 | 202.35 | 202.36 | |
| 19 | 202.30 | 202.33 | 202.74 | 202.70 | 202.57 | 202.55 | 202.66 | 202.46 | 202.39 | 202.35 | 202.35 | 202.36 | |
| 20 | 202.33 | 202.33 | 202.56 | 202.67 | 202.55 | 202.60 | 202.63 | 202.46 | 202.39 | 202.35 | 202.35 | 202.36 | |
| 21 | 202.34 | 202.32 | 202.68 | 202.53 | 202.58 | 202.97 | 202.62 | 202.46 | 202.39 | 202.35 | 202.35 | 202.36 | |
| 22 | 202.33 | 202.34 | 202.49 | 202.71 | 202.99 | 202.73 | 202.67 | 202.46 | 202.39 | 202.35 | 202.35 | 202.36 | |
| 23 | 202.32 | 202.35 | 202.41 | 202.55 | 202.98 | 202.60 | 202.61 | 202.46 | 202.39 | 202.35 | 202.35 | 202.36 | |
| 24 | 202.32 | 202.36 | 202.57 | 202.90 | 202.77 | 202.56 | 202.58 | 202.47 | 202.39 | 202.35 | 202.35 | 202.36 | |
| 25 | 202.33 | 202.36 | 202.47 | 202.95 | 203.09 | 202.58 | 202.58 | 202.50 | 202.39 | 202.35 | 202.40 | 202.36 | |
| 26 | 202.33 | 202.36 | 202.43 | 202.59 | 202.79 | 202.60 | 202.58 | 202.47 | 202.39 | 202.34 | 202.48 | 202.36 | |
| 27 | 202.30 | 202.36 | 202.40 | 202.53 | 202.78 | 202.60 | 202.56 | 202.47 | 202.39 | 202.34 | 202.40 | 202.36 | |
| 28 | 202.21 | 202.36 | 202.40 | 202.53 | 202.69 | 202.61 | 202.56 | 202.45 | 202.38 | 202.34 | 202.40 | 202.48 | |
| 29 | 202.50 | 202.34 | 202.39 | 202.51 | 203.37 | 202.62 | 202.56 | 202.44 | 202.38 | 202.34 | | 202.41 | |
| 30 | 202.34 | 202.33 | 202.38 | 202.56 | 203.33 | 202.63 | 202.55 | 202.44 | 202.38 | 202.34 | | 202.36 | |
| 31 | | 202.43 | | 202.85 | 203.21 | | 202.55 | | 202.38 | 202.34 | | 202.35 | |
| Mean | 202.32 | 202.35 | 202.42 | 202.58 | 202.78 | 202.62 | 202.99 | 202.48 | 202.40 | 202.36 | 202.36 | 202.37 | |
| Max | 202.50 | 202.43 | 202.99 | 203.05 | 203.81 | 202.97 | 204.24 | 202.55 | 202.45 | 202.40 | 202.48 | 202.48 | 204.24 |
| Min | 202.21 | 202.31 | 202.30 | 202.42 | 202.54 | 202.42 | 202.55 | 202.43 | 202.38 | 202.34 | 202.34 | 202.34 | 202.21 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 204.90 | m. (MSL.) , | at 18.00 Hours , on Oct 8 , 2006 | | |
| Zero Gage at Bottom Elevation | 200.85 | m. (MSL.) , | River Bed | 201.12 | m. (MSL.) |
| Left Bank Elevation | 210.05 | m. (MSL.) , | | | |
| Right Bank Elevation | 209.95 | m. (MSL.) , | Drainage Are | 60 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.38 | 0.90 | 0.98 | 0.98 | 11.98 | 4.14 | 2.06 | 1.82 | 1.13 | 0.60 | 0.30 | 0.53 | | |
| 2 | 0.38 | 0.98 | 0.90 | 0.90 | 5.74 | 2.94 | 2.94 | 1.90 | 1.05 | 0.60 | 0.30 | 0.75 | | |
| 3 | 0.38 | 0.75 | 0.53 | 2.38 | 3.18 | 3.18 | 12.38 | 1.90 | 1.05 | 0.60 | 0.30 | 0.45 | | |
| 4 | 0.30 | 0.53 | 0.30 | 5.90 | 2.62 | 2.86 | 11.26 | 1.82 | 1.05 | 0.60 | 0.30 | 0.45 | | |
| 5 | 0.23 | 0.30 | 0.30 | 1.74 | 2.38 | 2.54 | 11.98 | 1.74 | 0.90 | 0.60 | 0.30 | 0.45 | | |
| 6 | 0.15 | 0.23 | 0.30 | 1.74 | 2.22 | 3.34 | 10.54 | 1.66 | 0.90 | 0.60 | 0.30 | 0.45 | | |
| 7 | 0.08 | 0.23 | 0.23 | 2.06 | 2.38 | 2.62 | 11.82 | 1.66 | 0.90 | 0.60 | 0.30 | 0.45 | | |
| 8 | 0.08 | 0.38 | 0.15 | 1.50 | 1.98 | 0.90 | 15.66 | 1.35 | 0.83 | 0.60 | 0.30 | 0.45 | | |
| 9 | 0.15 | 0.30 | 0.08 | 1.20 | 1.82 | 1.66 | 13.02 | 1.20 | 0.83 | 0.68 | 0.30 | 0.45 | | |
| 10 | 0.15 | 0.23 | 0.08 | 1.13 | 1.90 | 1.74 | 12.06 | 1.20 | 0.75 | 0.75 | 0.30 | 0.45 | | |
| 11 | 0.15 | 0.15 | 0.00 | 1.13 | 2.78 | 1.90 | 7.42 | 1.13 | 0.75 | 0.68 | 0.38 | 0.38 | | |
| 12 | 0.08 | 0.15 | 0.23 | 1.05 | 2.14 | 1.98 | 6.38 | 1.13 | 0.75 | 0.60 | 0.38 | 0.30 | | |
| 13 | 0.08 | 0.08 | 0.23 | 0.98 | 2.38 | 1.98 | 4.94 | 1.05 | 0.75 | 0.53 | 0.38 | 0.45 | | |
| 14 | 0.08 | 0.08 | 0.23 | 0.98 | 2.54 | 1.90 | 4.30 | 0.98 | 0.75 | 0.45 | 0.38 | 0.45 | | |
| 15 | 0.08 | 0.08 | 0.08 | 1.50 | 2.22 | 1.90 | 3.58 | 1.20 | 0.75 | 0.45 | 0.38 | 0.45 | | |
| 16 | 0.00 | 0.23 | 0.00 | 1.43 | 2.14 | 2.46 | 3.50 | 1.43 | 0.75 | 0.45 | 0.38 | 0.45 | | |
| 17 | 0.00 | 0.23 | 0.38 | 1.74 | 2.46 | 2.14 | 3.26 | 1.35 | 0.75 | 0.45 | 0.38 | 0.45 | | |
| 18 | 0.00 | 0.23 | 5.42 | 1.05 | 2.38 | 1.98 | 3.02 | 1.28 | 0.75 | 0.38 | 0.38 | 0.45 | | |
| 19 | 0.00 | 0.23 | 3.42 | 3.10 | 2.06 | 1.90 | 2.78 | 1.20 | 0.68 | 0.38 | 0.38 | 0.45 | | |
| 20 | 0.23 | 0.23 | 1.98 | 2.86 | 1.90 | 2.30 | 2.54 | 1.20 | 0.68 | 0.38 | 0.38 | 0.45 | | |
| 21 | 0.30 | 0.15 | 2.94 | 1.74 | 2.14 | 5.26 | 2.46 | 1.20 | 0.68 | 0.38 | 0.38 | 0.45 | | |
| 22 | 0.23 | 0.30 | 1.43 | 3.18 | 5.42 | 3.34 | 2.86 | 1.20 | 0.68 | 0.38 | 0.38 | 0.45 | | |
| 23 | 0.15 | 0.38 | 0.83 | 1.90 | 5.34 | 2.30 | 2.38 | 1.20 | 0.68 | 0.38 | 0.38 | 0.45 | | |
| 24 | 0.15 | 0.45 | 2.06 | 4.70 | 3.66 | 1.98 | 2.14 | 1.28 | 0.68 | 0.38 | 0.38 | 0.45 | | |
| 25 | 0.23 | 0.45 | 1.28 | 5.10 | 6.22 | 2.14 | 2.14 | 1.50 | 0.68 | 0.38 | 0.75 | 0.45 | | |
| 26 | 0.23 | 0.45 | 0.98 | 2.22 | 3.82 | 2.30 | 2.14 | 1.28 | 0.68 | 0.30 | 1.35 | 0.45 | | |
| 27 | 0.00 | 0.45 | 0.75 | 1.74 | 3.74 | 2.30 | 1.98 | 1.28 | 0.68 | 0.30 | 0.75 | 0.45 | | |
| 28 | 0.00 | 0.45 | 0.75 | 1.74 | 3.02 | 2.38 | 1.98 | 1.13 | 0.60 | 0.30 | 0.75 | 1.35 | | |
| 29 | 1.50 | 0.30 | 0.68 | 1.58 | 8.46 | 2.46 | 1.98 | 1.05 | 0.60 | 0.30 | | 0.83 | | |
| 30 | 0.30 | 0.23 | 0.60 | 1.98 | 8.14 | 2.54 | 1.90 | 1.05 | 0.60 | 0.30 | | 0.45 | | |
| 31 | | 0.98 | | 4.30 | 7.18 | | 1.90 | | 0.60 | 0.30 | | 0.38 | | |
| Total | 6.07 | 11.11 | 28.12 | 65.53 | 116.34 | 73.36 | 169.30 | 40.37 | 23.91 | 14.68 | 11.92 | 15.32 | 576.03 | CMSDAY |
| Mean | 0.20 | 0.36 | 0.94 | 2.11 | 3.75 | 2.45 | 5.46 | 1.35 | 0.77 | 0.47 | 0.43 | 0.49 | 1.58 | CMS |
| Max | 1.50 | 0.98 | 5.42 | 5.90 | 11.98 | 5.26 | 15.66 | 1.90 | 1.13 | 0.75 | 1.35 | 1.35 | 15.66 | CMS |
| Min | 0.00 | 0.08 | 0.00 | 0.90 | 1.82 | 0.90 | 1.90 | 0.98 | 0.60 | 0.30 | 0.30 | 0.30 | 0.00 | CMS |
| Runoff | 0.52 | 0.96 | 2.43 | 5.66 | 10.05 | 6.34 | 14.63 | 3.49 | 2.07 | 1.27 | 1.03 | 1.32 | 49.77 | MCM |

Momentary Peak 22.00 CMS. at 204.90 m. (MSL.) at 18.00 Hours , on Oct 8 , 2006

Runoff Yield 26.30 Liters/Second/Square KM. Momentary Peak Yield 366.67 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam Mae Chan at Ban Hua Saphan , Chiang Rai (Kh.89)

Lat 20 - 09 - 25 N Long 99 - 51 - 45 E

**Location : on right bank at the bridge of Mae Chan - Mae Sai Highway from Tambon Pa Sang.**

**Ban** Hua Saphan **Amphoe** Mae Chan **Changwat** Chiang Rai

| | |
|---|---|
| **Drainge Area** | 248 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +406.385 m. (MSL.) |
| **Bench Mark** | B.M.- Temporary. |
| **Location BM** | On right bank at the footpath of the bridge. **Elevation** +411.855 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1993 to date |
| **Rating Operation** | |
| **Period of Rating** | 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1993 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The local weir situated about 300 meters downstream from the gage site. Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

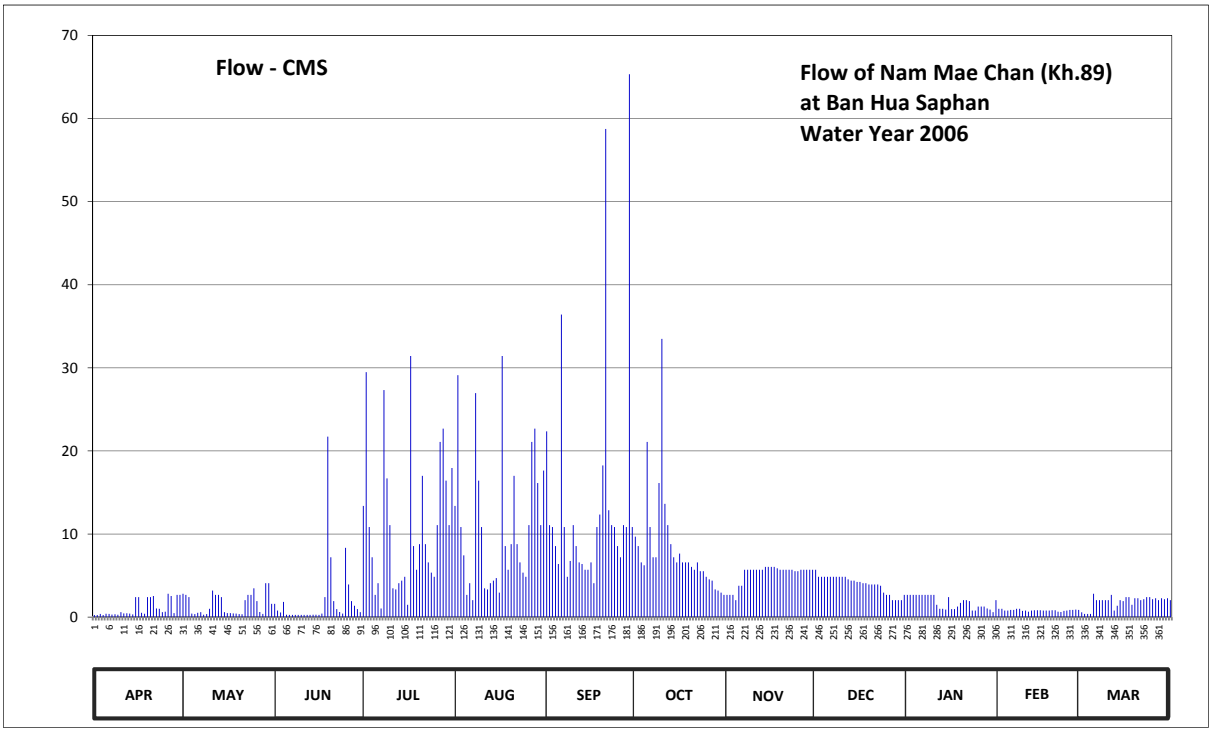
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 406.45 | 406.95 | 406.85 | 407.48 | 407.48 | 407.78 | 407.33 | 406.94 | 407.14 | 406.94 | 406.79 | 406.67 | |
| 2 | 406.45 | 406.94 | 406.74 | 407.98 | 407.97 | 407.39 | 407.28 | 406.94 | 407.09 | 406.94 | 406.79 | 406.56 | |
| 3 | 406.55 | 406.92 | 406.66 | 407.38 | 407.38 | 407.38 | 407.19 | 406.94 | 407.09 | 406.94 | 406.74 | 406.56 | |
| 4 | 406.44 | 406.58 | 406.87 | 407.22 | 407.23 | 407.28 | 407.17 | 406.89 | 407.09 | 406.94 | 406.74 | 406.56 | |
| 5 | 406.57 | 406.54 | 406.49 | 406.94 | 406.94 | 407.18 | 407.74 | 407.02 | 407.09 | 406.94 | 406.76 | 406.95 | |
| 6 | 406.55 | 406.64 | 406.47 | 407.04 | 407.04 | 408.15 | 407.38 | 407.02 | 407.09 | 406.94 | 406.76 | 406.89 | |
| 7 | 406.50 | 406.68 | 406.46 | 406.80 | 406.89 | 407.38 | 407.22 | 407.14 | 407.09 | 406.94 | 406.79 | 406.89 | |
| 8 | 406.53 | 406.49 | 406.46 | 407.92 | 407.91 | 407.09 | 407.22 | 407.14 | 407.09 | 406.94 | 406.79 | 406.89 | |
| 9 | 406.49 | 406.54 | 406.46 | 407.60 | 407.59 | 407.20 | 407.58 | 407.14 | 407.09 | 406.94 | 406.73 | 406.89 | |
| 10 | 406.68 | 406.79 | 406.47 | 407.39 | 407.38 | 407.39 | 408.08 | 407.14 | 407.09 | 406.94 | 406.74 | 406.89 | |
| 11 | 406.59 | 406.98 | 406.46 | 407.00 | 407.00 | 407.28 | 407.49 | 407.14 | 407.09 | 406.84 | 406.71 | 406.94 | |
| 12 | 406.61 | 406.94 | 406.46 | 406.99 | 406.99 | 407.19 | 407.39 | 407.14 | 407.07 | 406.79 | 406.74 | 406.74 | |
| 13 | 406.58 | 406.94 | 406.46 | 407.04 | 407.04 | 407.18 | 407.29 | 407.14 | 407.06 | 406.79 | 406.75 | 406.83 | |
| 14 | 406.52 | 406.92 | 406.49 | 407.06 | 407.06 | 407.14 | 407.22 | 407.16 | 407.06 | 406.77 | 406.75 | 406.89 | |
| 15 | 406.92 | 406.69 | 406.49 | 407.09 | 407.08 | 407.14 | 407.19 | 407.16 | 407.05 | 406.92 | 406.75 | 406.88 | |
| 16 | 406.92 | 406.62 | 406.46 | 406.84 | 406.96 | 407.19 | 407.24 | 407.16 | 407.05 | 406.78 | 406.74 | 406.92 | |
| 17 | 406.64 | 406.62 | 406.58 | 408.03 | 408.03 | 407.04 | 407.19 | 407.16 | 407.04 | 406.78 | 406.74 | 406.92 | |
| 18 | 406.57 | 406.60 | 406.92 | 407.28 | 407.28 | 407.38 | 407.19 | 407.15 | 407.04 | 406.82 | 406.74 | 406.84 | |
| 19 | 406.92 | 406.58 | 407.76 | 407.14 | 407.14 | 407.44 | 407.19 | 407.14 | 407.03 | 406.86 | 406.75 | 406.91 | |
| 20 | 406.92 | 406.54 | 407.22 | 407.29 | 407.29 | 407.65 | 407.16 | 407.14 | 407.03 | 406.89 | 406.75 | 406.91 | |
| 21 | 406.93 | 406.53 | 406.88 | 407.61 | 407.61 | 408.65 | 407.14 | 407.14 | 407.03 | 406.89 | 406.71 | 406.89 | |
| 22 | 406.80 | 406.89 | 406.78 | 407.29 | 407.29 | 407.46 | 407.19 | 407.14 | 407.03 | 406.88 | 406.70 | 406.90 | |
| 23 | 406.79 | 406.94 | 406.70 | 407.19 | 407.19 | 407.39 | 407.13 | 407.14 | 407.02 | 406.74 | 406.73 | 406.92 | |
| 24 | 406.69 | 406.94 | 406.58 | 407.12 | 407.12 | 407.38 | 407.13 | 407.13 | 406.96 | 406.74 | 406.74 | 406.92 | |
| 25 | 406.71 | 407.00 | 407.27 | 407.09 | 407.09 | 407.28 | 407.09 | 407.13 | 406.94 | 406.82 | 406.76 | 406.90 | |
| 26 | 406.95 | 406.88 | 407.03 | 407.39 | 407.39 | 407.22 | 407.07 | 407.14 | 406.94 | 406.82 | 406.76 | 406.91 | |
| 27 | 406.93 | 406.70 | 406.88 | 407.74 | 407.74 | 407.39 | 407.06 | 407.14 | 406.89 | 406.82 | 406.77 | 406.89 | |
| 28 | 406.62 | 406.56 | 406.83 | 407.79 | 407.79 | 407.38 | 406.99 | 407.14 | 406.89 | 406.80 | 406.76 | 406.91 | |
| 29 | 406.94 | 407.04 | 406.78 | 407.59 | 407.58 | 408.79 | 406.98 | 407.14 | 406.89 | 406.77 | | 406.90 | |
| 30 | 406.94 | 407.04 | 406.68 | 407.39 | 407.39 | 407.38 | 406.96 | 407.14 | 406.89 | 406.69 | | 406.91 | |
| 31 | | 406.85 | | 407.64 | 407.63 | | 406.94 | | 406.94 | 406.89 | | 406.89 | |
| Mean | 406.69 | 406.77 | 406.72 | 407.33 | 407.34 | 407.44 | 407.24 | 407.11 | 407.03 | 406.85 | 406.75 | 406.85 | |
| Max | 406.95 | 407.04 | 407.76 | 408.03 | 408.03 | 408.79 | 408.08 | 407.16 | 407.14 | 406.94 | 406.79 | 406.95 | 408.79 |
| Min | 406.44 | 406.49 | 406.46 | 406.80 | 406.89 | 407.04 | 406.94 | 406.89 | 406.89 | 406.69 | 406.70 | 406.56 | 406.44 |

Annual Max Momentary Gage Height 409.00 m. (MSL.) , at 11.00 Hours , on Sep 29, 2006

Zero Gage at Bottom Elevation 406.39 m. (MSL.) , River Bed 405.93 m. (MSL.)

Left Bank Elevation 411.64 m. (MSL.) ,

Right Bank Elevation 411.64 m. (MSL.) , Drainage Are 248 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.25 | 2.81 | 1.60 | 13.38 | 13.38 | 22.36 | 9.69 | 2.67 | 5.70 | 2.67 | 1.00 | 0.57 | | |
| 2 | 0.25 | 2.67 | 0.79 | 29.48 | 29.12 | 11.07 | 8.55 | 2.67 | 4.85 | 2.67 | 1.00 | 0.39 | | |
| 3 | 0.38 | 2.41 | 0.55 | 10.84 | 10.84 | 10.84 | 6.58 | 2.67 | 4.85 | 2.67 | 0.79 | 0.39 | | |
| 4 | 0.24 | 0.42 | 1.82 | 7.20 | 7.43 | 8.55 | 6.23 | 2.04 | 4.85 | 2.67 | 0.79 | 0.39 | | |
| 5 | 0.41 | 0.36 | 0.29 | 2.67 | 2.67 | 6.40 | 21.08 | 3.77 | 4.85 | 2.67 | 0.87 | 2.81 | | |
| 6 | 0.38 | 0.52 | 0.27 | 4.08 | 4.08 | 36.40 | 10.84 | 3.77 | 4.85 | 2.67 | 0.87 | 2.04 | | |
| 7 | 0.30 | 0.59 | 0.26 | 1.04 | 2.04 | 10.84 | 7.20 | 5.70 | 4.85 | 2.67 | 1.00 | 2.04 | | |
| 8 | 0.35 | 0.29 | 0.26 | 27.32 | 26.96 | 4.85 | 7.20 | 5.70 | 4.85 | 2.67 | 1.00 | 2.04 | | |
| 9 | 0.29 | 0.36 | 0.26 | 16.70 | 16.42 | 6.75 | 16.14 | 5.70 | 4.85 | 2.67 | 0.75 | 2.04 | | |
| 10 | 0.59 | 1.00 | 0.27 | 11.07 | 10.84 | 11.07 | 33.48 | 5.70 | 4.85 | 2.67 | 0.79 | 2.04 | | |
| 11 | 0.44 | 3.20 | 0.26 | 3.46 | 3.46 | 8.55 | 13.64 | 5.70 | 4.85 | 1.48 | 0.66 | 2.67 | | |
| 12 | 0.47 | 2.67 | 0.26 | 3.33 | 3.33 | 6.58 | 11.07 | 5.70 | 4.54 | 1.00 | 0.79 | 0.79 | | |
| 13 | 0.42 | 2.67 | 0.26 | 4.08 | 4.08 | 6.40 | 8.78 | 5.70 | 4.38 | 1.00 | 0.83 | 1.37 | | |
| 14 | 0.33 | 2.41 | 0.29 | 4.38 | 4.38 | 5.70 | 7.20 | 6.05 | 4.38 | 0.91 | 0.83 | 2.04 | | |
| 15 | 2.41 | 0.60 | 0.29 | 4.85 | 4.69 | 5.70 | 6.58 | 6.05 | 4.23 | 2.41 | 0.83 | 1.93 | | |
| 16 | 2.41 | 0.48 | 0.26 | 1.48 | 2.94 | 6.58 | 7.65 | 6.05 | 4.23 | 0.96 | 0.79 | 2.41 | | |
| 17 | 0.52 | 0.48 | 0.42 | 31.43 | 31.43 | 4.08 | 6.58 | 6.05 | 4.08 | 0.96 | 0.79 | 2.41 | | |
| 18 | 0.41 | 0.45 | 2.41 | 8.55 | 8.55 | 10.84 | 6.58 | 5.88 | 4.08 | 1.26 | 0.79 | 1.48 | | |
| 19 | 2.41 | 0.42 | 21.72 | 5.70 | 5.70 | 12.34 | 6.58 | 5.70 | 3.92 | 1.71 | 0.83 | 2.28 | | |
| 20 | 2.41 | 0.36 | 7.20 | 8.78 | 8.78 | 18.25 | 6.05 | 5.70 | 3.92 | 2.04 | 0.83 | 2.28 | | |
| 21 | 2.54 | 0.35 | 1.93 | 17.01 | 17.01 | 58.75 | 5.70 | 5.70 | 3.92 | 2.04 | 0.66 | 2.04 | | |
| 22 | 1.04 | 2.04 | 0.96 | 8.78 | 8.78 | 12.86 | 6.58 | 5.70 | 3.92 | 1.93 | 0.62 | 2.15 | | |
| 23 | 1.00 | 2.67 | 0.62 | 6.58 | 6.58 | 11.07 | 5.53 | 5.70 | 3.77 | 0.79 | 0.75 | 2.41 | | |
| 24 | 0.60 | 2.67 | 0.42 | 5.35 | 5.35 | 10.84 | 5.53 | 5.53 | 2.94 | 0.79 | 0.79 | 2.41 | | |
| 25 | 0.66 | 3.46 | 8.33 | 4.85 | 4.85 | 8.55 | 4.85 | 5.53 | 2.67 | 1.26 | 0.87 | 2.15 | | |
| 26 | 2.81 | 1.93 | 3.92 | 11.07 | 11.07 | 7.20 | 4.54 | 5.70 | 2.67 | 1.26 | 0.87 | 2.28 | | |
| 27 | 2.54 | 0.62 | 1.93 | 21.08 | 21.08 | 11.07 | 4.38 | 5.70 | 2.04 | 1.26 | 0.91 | 2.04 | | |
| 28 | 0.48 | 0.39 | 1.37 | 22.68 | 22.68 | 10.84 | 3.33 | 5.70 | 2.04 | 1.04 | 0.87 | 2.28 | | |
| 29 | 2.67 | 4.08 | 0.96 | 16.42 | 16.14 | 65.33 | 3.20 | 5.70 | 2.04 | 0.91 | | 2.15 | | |
| 30 | 2.67 | 4.08 | 0.59 | 11.07 | 11.07 | 10.84 | 2.94 | 5.70 | 2.04 | 0.60 | | 2.28 | | |
| 31 | | 1.60 | | 17.94 | 17.63 | | 2.67 | | 2.67 | 2.04 | | 2.04 | | |
| Total | 32.68 | 49.06 | 60.77 | 342.65 | 343.36 | 421.50 | 256.95 | 155.63 | 122.68 | 54.35 | 23.17 | 58.64 | 1921.44 | CMSDAY |
| Mean | 1.09 | 1.58 | 2.03 | 11.05 | 11.08 | 14.05 | 8.29 | 5.19 | 3.96 | 1.75 | 0.83 | 1.89 | 5.26 | CMS |
| Max | 2.81 | 4.08 | 21.72 | 31.43 | 31.43 | 65.33 | 33.48 | 6.05 | 5.70 | 2.67 | 1.00 | 2.81 | 65.33 | CMS |
| Min | 0.24 | 0.29 | 0.26 | 1.04 | 2.04 | 4.08 | 2.67 | 2.04 | 2.04 | 0.60 | 0.62 | 0.39 | 0.24 | CMS |
| Runoff | 2.82 | 4.24 | 5.25 | 29.60 | 29.67 | 36.42 | 22.20 | 13.45 | 10.60 | 4.70 | 2.00 | 5.07 | 166.01 | MCM |

Momentary Peak 75.50 CMS. at 409.00 m. (MSL.) at 11.00 Hours , on Sep 29, 2006

Runoff Yield 21.23 Liters/Second/Square KM. Momentary Peak Yield 304.44 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Lam Nam Phung at Ban Tong Khop , Sakon Nakhon (Kh.90)

Lat 17 - 04 - 05 N Long 104 - 15 - 32 E

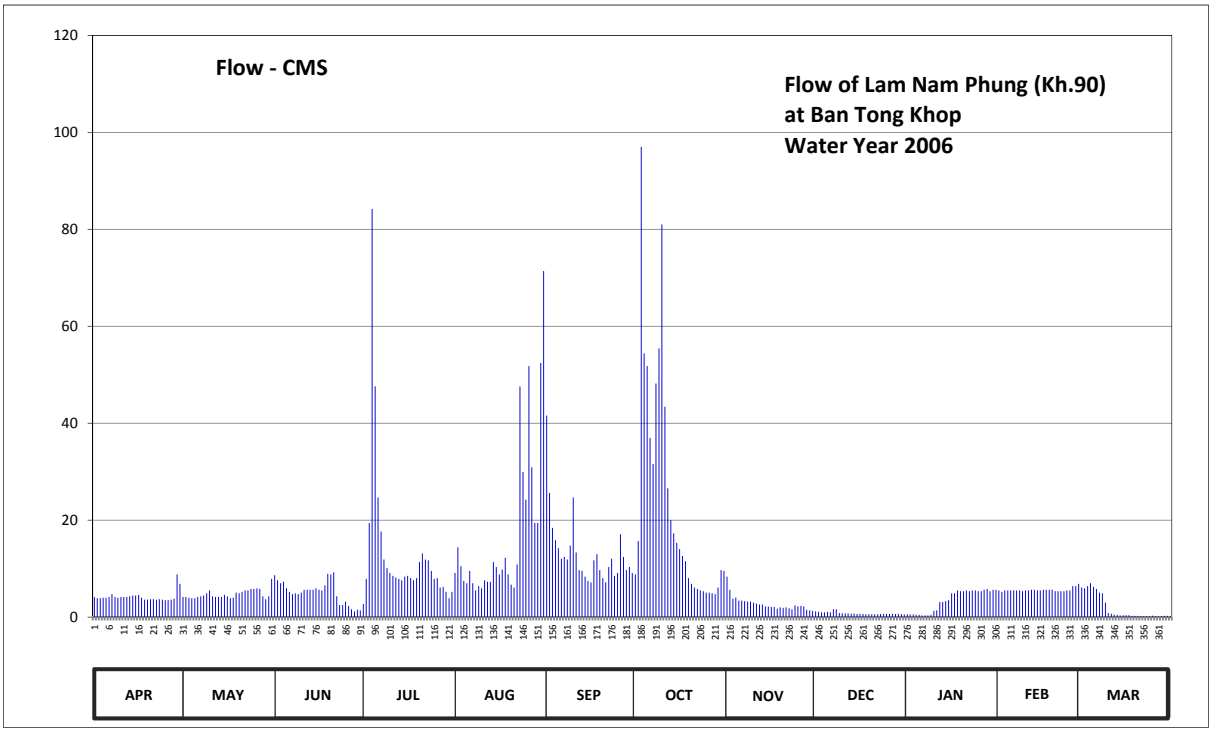
**Location : on right bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Tong Khop | **Amphoe** Khok Si Suphan | **Changwat** Sakon Nakhon |
| **Drainge Area** | 861 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +158.500 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank at the footpath of the bridge. | | **Elevation** +167.456 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00 , 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1996 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 159.01 | 159.01 | 159.31 | 158.87 | 159.34 | 160.82 | 159.32 | 159.29 | 158.72 | 158.62 | 159.10 | 159.14 | |
| 2 | 158.99 | 159.01 | 159.24 | 159.26 | 159.65 | 160.20 | 159.72 | 159.11 | 158.71 | 158.61 | 159.08 | 159.13 | |
| 3 | 158.99 | 159.00 | 159.20 | 159.92 | 159.43 | 159.87 | 162.35 | 158.98 | 158.70 | 158.61 | 159.10 | 159.16 | |
| 4 | 159.00 | 158.99 | 159.22 | 162.03 | 159.23 | 159.73 | 161.24 | 159.00 | 158.70 | 158.60 | 159.10 | 159.20 | |
| 5 | 159.00 | 158.99 | 159.13 | 161.02 | 159.20 | 159.64 | 161.16 | 158.94 | 158.71 | 158.59 | 159.10 | 159.15 | |
| 6 | 159.01 | 159.01 | 159.08 | 160.16 | 159.37 | 159.52 | 160.66 | 158.94 | 158.69 | 158.57 | 159.10 | 159.12 | |
| 7 | 159.05 | 159.02 | 159.05 | 159.83 | 159.20 | 159.54 | 160.45 | 158.93 | 158.76 | 158.57 | 159.10 | 159.07 | |
| 8 | 159.01 | 159.03 | 159.06 | 159.51 | 159.10 | 159.51 | 161.04 | 158.92 | 158.76 | 158.57 | 159.10 | 159.06 | |
| 9 | 159.00 | 159.06 | 159.05 | 159.41 | 159.16 | 159.67 | 161.27 | 158.92 | 158.67 | 158.60 | 159.09 | 158.90 | |
| 10 | 159.01 | 159.10 | 159.07 | 159.34 | 159.13 | 160.16 | 161.95 | 158.90 | 158.66 | 158.73 | 159.10 | 158.67 | |
| 11 | 159.01 | 159.02 | 159.11 | 159.30 | 159.24 | 159.59 | 160.88 | 158.88 | 158.65 | 158.74 | 159.10 | 158.64 | |
| 12 | 159.01 | 159.01 | 159.11 | 159.28 | 159.22 | 159.38 | 160.24 | 158.86 | 158.65 | 158.91 | 159.11 | 158.60 | |
| 13 | 159.02 | 159.01 | 159.11 | 159.26 | 159.22 | 159.37 | 159.95 | 158.86 | 158.64 | 158.91 | 159.11 | 158.59 | |
| 14 | 159.03 | 159.01 | 159.11 | 159.24 | 159.48 | 159.29 | 159.81 | 158.82 | 158.65 | 158.93 | 159.10 | 158.57 | |
| 15 | 159.03 | 159.04 | 159.13 | 159.29 | 159.42 | 159.23 | 159.70 | 158.82 | 158.63 | 158.95 | 159.10 | 158.58 | |
| 16 | 159.04 | 159.02 | 159.11 | 159.30 | 159.32 | 159.21 | 159.63 | 158.81 | 158.63 | 159.06 | 159.11 | 158.58 | |
| 17 | 159.00 | 158.99 | 159.10 | 159.27 | 159.39 | 159.50 | 159.55 | 158.81 | 158.63 | 159.06 | 159.11 | 158.58 | |
| 18 | 158.96 | 159.00 | 159.17 | 159.24 | 159.53 | 159.57 | 159.49 | 158.77 | 158.62 | 159.10 | 159.11 | 158.55 | |
| 19 | 158.96 | 159.07 | 159.33 | 159.27 | 159.32 | 159.38 | 159.27 | 158.80 | 158.62 | 159.09 | 159.11 | 158.55 | |
| 20 | 158.97 | 159.06 | 159.32 | 159.48 | 159.18 | 159.27 | 159.19 | 158.79 | 158.62 | 159.09 | 159.09 | 158.55 | |
| 21 | 158.97 | 159.08 | 159.35 | 159.58 | 159.14 | 159.21 | 159.14 | 158.80 | 158.62 | 159.10 | 159.09 | 158.54 | |
| 22 | 158.96 | 159.10 | 159.02 | 159.51 | 159.45 | 159.42 | 159.12 | 158.78 | 158.62 | 159.09 | 159.09 | 158.54 | |
| 23 | 158.97 | 159.10 | 158.85 | 159.50 | 161.02 | 159.52 | 159.10 | 158.76 | 158.63 | 159.10 | 159.09 | 158.54 | |
| 24 | 158.96 | 159.12 | 158.85 | 159.37 | 160.38 | 159.30 | 159.09 | 158.84 | 158.63 | 159.10 | 159.10 | 158.53 | |
| 25 | 158.95 | 159.12 | 158.92 | 159.26 | 160.14 | 159.34 | 159.07 | 158.82 | 158.63 | 159.09 | 159.10 | 158.56 | |
| 26 | 158.95 | 159.13 | 158.83 | 159.27 | 161.16 | 159.80 | 159.07 | 158.83 | 158.63 | 159.09 | 159.16 | 158.54 | |
| 27 | 158.96 | 159.12 | 158.76 | 159.14 | 160.42 | 159.54 | 159.06 | 158.82 | 158.63 | 159.11 | 159.16 | 158.53 | |
| 28 | 158.98 | 159.02 | 158.72 | 159.15 | 159.92 | 159.38 | 159.05 | 158.75 | 158.63 | 159.12 | 159.19 | 158.54 | |
| 29 | 159.32 | 158.97 | 158.75 | 159.08 | 159.92 | 159.42 | 159.14 | 158.74 | 158.63 | 159.09 | | 158.55 | |
| 30 | 159.19 | 159.02 | 158.74 | 158.99 | 161.18 | 159.34 | 159.38 | 158.73 | 158.62 | 159.11 | | 158.55 | |
| 31 | | 159.26 | | 159.08 | 161.71 | | 159.37 | | 158.61 | 159.11 | | 158.54 | |
| Mean | 159.01 | 159.05 | 159.06 | 159.49 | 159.70 | 159.56 | 159.92 | 158.87 | 158.65 | 158.90 | 159.11 | 158.72 | |
| Max | 159.32 | 159.26 | 159.35 | 162.03 | 161.71 | 160.82 | 162.35 | 159.29 | 158.76 | 159.12 | 159.19 | 159.20 | 162.35 |
| Min | 158.95 | 158.97 | 158.72 | 158.87 | 159.10 | 159.21 | 159.05 | 158.73 | 158.61 | 158.57 | 159.08 | 158.53 | 158.53 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 162.87 | m. (MSL.) , | at 12.00 Hours , on Oct 3, 2006 | | |
| Zero Gage at Bottom Elevation | 158.50 | m. (MSL.) , | River Bed | 157.96 | m. (MSL.) |
| Left Bank Elevation | 167.38 | m. (MSL.) , | | | |
| Right Bank Elevation | 167.35 | m. (MSL.) , | Drainage Are | 861 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.15 | 4.15 | 8.65 | 2.70 | 9.10 | 41.60 | 8.80 | 8.35 | 1.20 | 0.60 | 5.50 | 6.10 | | |
| 2 | 3.90 | 4.15 | 7.60 | 7.90 | 14.40 | 25.60 | 15.66 | 5.65 | 1.10 | 0.55 | 5.20 | 5.95 | | |
| 3 | 3.90 | 4.00 | 7.00 | 19.40 | 10.51 | 18.43 | 97.00 | 3.80 | 1.00 | 0.55 | 5.50 | 6.40 | | |
| 4 | 4.00 | 3.90 | 7.30 | 84.20 | 7.45 | 15.84 | 54.40 | 4.00 | 1.00 | 0.50 | 5.50 | 7.00 | | |
| 5 | 4.00 | 3.90 | 5.95 | 47.60 | 7.00 | 14.22 | 51.80 | 3.40 | 1.10 | 0.45 | 5.50 | 6.25 | | |
| 6 | 4.15 | 4.15 | 5.20 | 24.68 | 9.55 | 12.06 | 36.96 | 3.40 | 0.95 | 0.35 | 5.50 | 5.80 | | |
| 7 | 4.75 | 4.30 | 4.75 | 17.67 | 7.00 | 12.42 | 31.60 | 3.30 | 1.60 | 0.35 | 5.50 | 5.05 | | |
| 8 | 4.15 | 4.45 | 4.90 | 11.88 | 5.50 | 11.88 | 48.20 | 3.20 | 1.60 | 0.35 | 5.50 | 4.90 | | |
| 9 | 4.00 | 4.90 | 4.75 | 10.17 | 6.40 | 14.76 | 55.45 | 3.20 | 0.85 | 0.50 | 5.35 | 3.00 | | |
| 10 | 4.15 | 5.50 | 5.05 | 9.10 | 5.95 | 24.68 | 81.00 | 3.00 | 0.80 | 1.30 | 5.50 | 0.85 | | |
| 11 | 4.15 | 4.30 | 5.65 | 8.50 | 7.60 | 13.32 | 43.40 | 2.80 | 0.75 | 1.40 | 5.50 | 0.70 | | |
| 12 | 4.15 | 4.15 | 5.65 | 8.20 | 7.30 | 9.70 | 26.56 | 2.60 | 0.75 | 3.10 | 5.65 | 0.50 | | |
| 13 | 4.30 | 4.15 | 5.65 | 7.90 | 7.30 | 9.55 | 20.00 | 2.60 | 0.70 | 3.10 | 5.65 | 0.45 | | |
| 14 | 4.45 | 4.15 | 5.65 | 7.60 | 11.36 | 8.35 | 17.29 | 2.20 | 0.75 | 3.30 | 5.50 | 0.35 | | |
| 15 | 4.45 | 4.60 | 5.95 | 8.35 | 10.34 | 7.45 | 15.30 | 2.20 | 0.65 | 3.50 | 5.50 | 0.40 | | |
| 16 | 4.60 | 4.30 | 5.65 | 8.50 | 8.80 | 7.15 | 14.04 | 2.10 | 0.65 | 4.90 | 5.65 | 0.40 | | |
| 17 | 4.00 | 3.90 | 5.50 | 8.05 | 9.85 | 11.70 | 12.60 | 2.10 | 0.65 | 4.90 | 5.65 | 0.40 | | |
| 18 | 3.60 | 4.00 | 6.55 | 7.60 | 12.24 | 12.96 | 11.53 | 1.70 | 0.60 | 5.50 | 5.65 | 0.25 | | |
| 19 | 3.60 | 5.05 | 8.95 | 8.05 | 8.80 | 9.70 | 8.05 | 2.00 | 0.60 | 5.35 | 5.65 | 0.25 | | |
| 20 | 3.70 | 4.90 | 8.80 | 11.36 | 6.70 | 8.05 | 6.85 | 1.90 | 0.60 | 5.35 | 5.35 | 0.25 | | |
| 21 | 3.70 | 5.20 | 9.25 | 13.14 | 6.10 | 7.15 | 6.10 | 2.00 | 0.60 | 5.50 | 5.35 | 0.20 | | |
| 22 | 3.60 | 5.50 | 4.30 | 11.88 | 10.85 | 10.34 | 5.80 | 1.80 | 0.60 | 5.35 | 5.35 | 0.20 | | |
| 23 | 3.70 | 5.50 | 2.50 | 11.70 | 47.60 | 12.06 | 5.50 | 1.60 | 0.65 | 5.50 | 5.35 | 0.20 | | |
| 24 | 3.60 | 5.80 | 2.50 | 9.55 | 29.92 | 8.50 | 5.35 | 2.40 | 0.65 | 5.50 | 5.50 | 0.15 | | |
| 25 | 3.50 | 5.80 | 3.20 | 7.90 | 24.22 | 9.10 | 5.05 | 2.20 | 0.65 | 5.35 | 5.50 | 0.30 | | |
| 26 | 3.50 | 5.95 | 2.30 | 8.05 | 51.80 | 17.10 | 5.05 | 2.30 | 0.65 | 5.35 | 6.40 | 0.20 | | |
| 27 | 3.60 | 5.80 | 1.60 | 6.10 | 30.88 | 12.42 | 4.90 | 2.20 | 0.65 | 5.65 | 6.40 | 0.15 | | |
| 28 | 3.80 | 4.30 | 1.20 | 6.25 | 19.40 | 9.70 | 4.75 | 1.50 | 0.65 | 5.80 | 6.85 | 0.20 | | |
| 29 | 8.80 | 3.70 | 1.50 | 5.20 | 19.40 | 10.34 | 6.10 | 1.40 | 0.65 | 5.35 | | 0.25 | | |
| 30 | 6.85 | 4.30 | 1.40 | 3.90 | 52.40 | 9.10 | 9.70 | 1.30 | 0.60 | 5.65 | | 0.25 | | |
| 31 | | 7.90 | | 5.20 | 71.40 | | 9.55 | | 0.55 | 5.65 | | 0.20 | | |
| Total | 126.80 | 146.65 | 154.90 | 408.28 | 537.12 | 395.23 | 724.34 | 82.20 | 24.80 | 106.55 | 157.00 | 57.55 | 2921.42 | CMSDAY |
| Mean | 4.23 | 4.73 | 5.16 | 13.17 | 17.33 | 13.17 | 23.37 | 2.74 | 0.80 | 3.44 | 5.61 | 1.86 | 8.00 | CMS |
| Max | 8.80 | 7.90 | 9.25 | 84.20 | 71.40 | 41.60 | 97.00 | 8.35 | 1.60 | 5.80 | 6.85 | 7.00 | 97.00 | CMS |
| Min | 3.50 | 3.70 | 1.20 | 2.70 | 5.50 | 7.15 | 4.75 | 1.30 | 0.55 | 0.35 | 5.20 | 0.15 | 0.15 | CMS |
| Runoff | 10.96 | 12.67 | 13.38 | 35.28 | 46.41 | 34.15 | 62.58 | 7.10 | 2.14 | 9.21 | 13.56 | 4.97 | 252.41 | MCM |

Momentary Peak 120.50 CMS. at 162.87 m. (MSL.) at 12.00 Hours , on Oct 3, 2006

Runoff Yield 9.30 Liters/Second/Square KM. Momentary Peak Yield 139.95 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Chanot at Ban Don Sawan , Nakhon Phanom (Kh.91)

Lat 16 - 47 - 48 N Long 104 - 39 - 45 E

**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Don Sawan | **Amphoe** That Phanom | **Changwat** Nakhon Phanom |
| **Drainge Area** | 172 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +149.000 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank at the footpath of the bridge. | | **Elevation** +159.228 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00 , 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1996 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 29 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

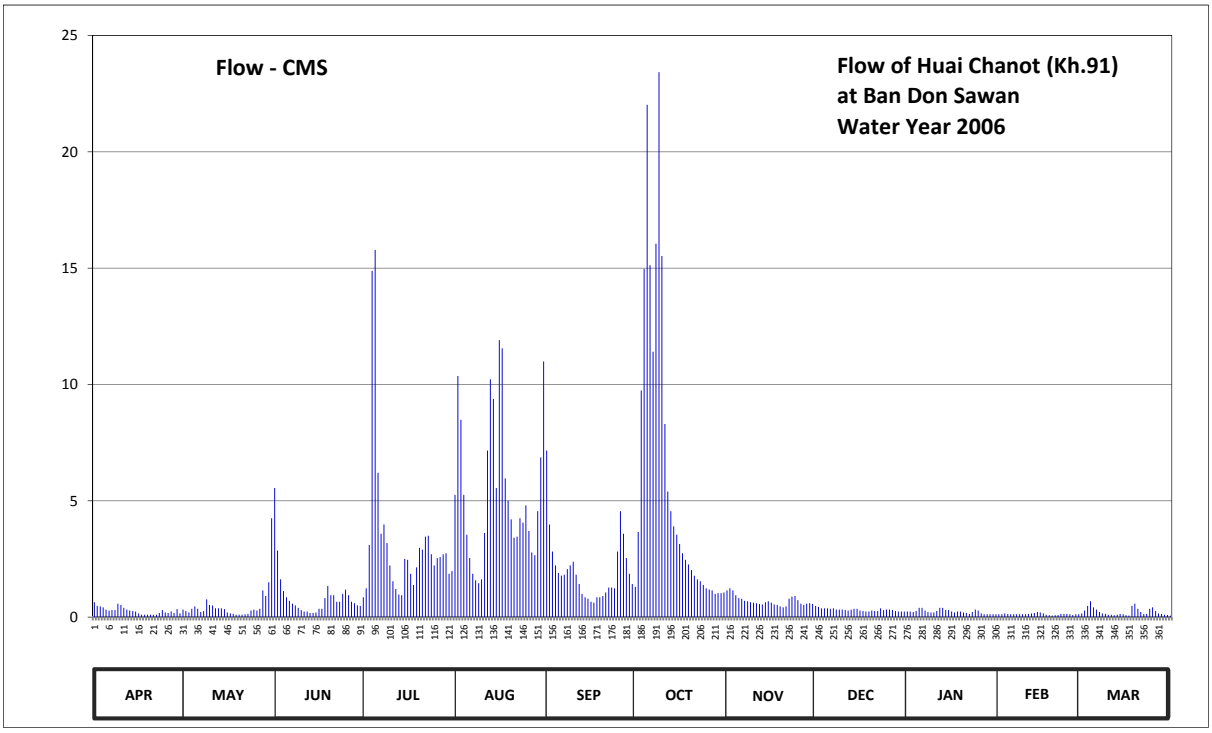
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 150.27 | 150.11 | 151.49 | 150.35 | 151.43 | 151.76 | 150.50 | 150.45 | 150.19 | 150.07 | 150.01 | 150.03 | |
| 2 | 150.19 | 150.08 | 150.89 | 150.48 | 152.28 | 151.17 | 151.09 | 150.48 | 150.17 | 150.07 | 150.01 | 150.09 | |
| 3 | 150.18 | 150.05 | 150.58 | 150.95 | 151.98 | 150.88 | 152.19 | 150.45 | 150.14 | 150.06 | 150.03 | 150.19 | |
| 4 | 150.16 | 150.13 | 150.44 | 152.91 | 151.43 | 150.73 | 152.92 | 150.38 | 150.14 | 150.08 | 150.02 | 150.29 | |
| 5 | 150.11 | 150.18 | 150.35 | 153.02 | 151.06 | 150.65 | 153.58 | 150.34 | 150.14 | 150.15 | 150.01 | 150.16 | |
| 6 | 150.09 | 150.13 | 150.30 | 151.60 | 150.81 | 150.62 | 152.94 | 150.33 | 150.13 | 150.15 | 150.01 | 150.11 | |
| 7 | 150.10 | 150.06 | 150.24 | 151.07 | 150.64 | 150.63 | 152.43 | 150.30 | 150.14 | 150.09 | 150.01 | 150.06 | |
| 8 | 150.10 | 150.08 | 150.20 | 151.17 | 150.57 | 150.69 | 153.05 | 150.29 | 150.11 | 150.06 | 150.01 | 150.03 | |
| 9 | 150.24 | 150.32 | 150.15 | 150.97 | 150.54 | 150.73 | 153.68 | 150.27 | 150.11 | 150.05 | 150.01 | 150.02 | |
| 10 | 150.21 | 150.21 | 150.10 | 150.73 | 150.58 | 150.77 | 152.99 | 150.26 | 150.11 | 150.05 | 150.01 | 150.00 | |
| 11 | 150.15 | 150.20 | 150.07 | 150.56 | 151.08 | 150.63 | 151.95 | 150.25 | 150.10 | 150.08 | 150.02 | 150.00 | |
| 12 | 150.11 | 150.14 | 150.07 | 150.47 | 151.76 | 150.53 | 151.46 | 150.23 | 150.09 | 150.15 | 150.03 | 149.98 | |
| 13 | 150.09 | 150.14 | 150.04 | 150.39 | 152.26 | 150.40 | 151.29 | 150.22 | 150.11 | 150.15 | 150.04 | 150.00 | |
| 14 | 150.08 | 150.14 | 150.04 | 150.38 | 152.13 | 150.35 | 151.15 | 150.27 | 150.13 | 150.10 | 150.06 | 150.02 | |
| 15 | 150.07 | 150.12 | 150.05 | 150.80 | 151.49 | 150.33 | 151.06 | 150.29 | 150.13 | 150.10 | 150.05 | 150.01 | |
| 16 | 150.03 | 150.05 | 150.13 | 150.79 | 152.50 | 150.28 | 150.96 | 150.26 | 150.09 | 150.07 | 150.03 | 149.98 | |
| 17 | 150.00 | 150.03 | 150.13 | 150.64 | 152.45 | 150.26 | 150.86 | 150.22 | 150.08 | 150.05 | 150.00 | 149.97 | |
| 18 | 150.00 | 150.02 | 150.34 | 150.52 | 151.56 | 150.35 | 150.79 | 150.21 | 150.07 | 150.07 | 149.98 | 150.19 | |
| 19 | 150.00 | 150.00 | 150.51 | 150.71 | 151.38 | 150.35 | 150.74 | 150.18 | 150.07 | 150.07 | 149.97 | 150.24 | |
| 20 | 150.00 | 150.00 | 150.38 | 150.92 | 151.22 | 150.37 | 150.68 | 150.16 | 150.09 | 150.05 | 149.98 | 150.13 | |
| 21 | 150.00 | 150.00 | 150.38 | 150.90 | 151.03 | 150.42 | 150.62 | 150.18 | 150.08 | 150.04 | 149.99 | 150.06 | |
| 22 | 150.00 | 150.01 | 150.28 | 151.04 | 151.04 | 150.49 | 150.58 | 150.33 | 150.08 | 150.02 | 150.02 | 150.02 | |
| 23 | 150.04 | 150.02 | 150.28 | 151.05 | 151.23 | 150.49 | 150.56 | 150.36 | 150.14 | 150.06 | 150.02 | 150.02 | |
| 24 | 150.10 | 150.09 | 150.40 | 150.85 | 151.19 | 150.48 | 150.52 | 150.37 | 150.10 | 150.11 | 150.02 | 150.13 | |
| 25 | 150.05 | 150.11 | 150.46 | 150.73 | 151.34 | 150.88 | 150.48 | 150.31 | 150.11 | 150.09 | 150.01 | 150.16 | |
| 26 | 150.04 | 150.09 | 150.38 | 150.81 | 151.10 | 151.29 | 150.46 | 150.24 | 150.11 | 150.03 | 149.99 | 150.08 | |
| 27 | 150.07 | 150.13 | 150.28 | 150.82 | 150.87 | 151.07 | 150.45 | 150.21 | 150.10 | 150.01 | 150.01 | 150.03 | |
| 28 | 150.04 | 150.45 | 150.25 | 150.85 | 150.84 | 150.81 | 150.40 | 150.24 | 150.08 | 150.01 | 150.01 | 150.02 | |
| 29 | 150.12 | 150.37 | 150.20 | 150.86 | 151.29 | 150.64 | 150.41 | 150.25 | 150.07 | 150.01 | | 150.00 | |
| 30 | 150.03 | 150.55 | 150.19 | 150.64 | 151.71 | 150.53 | 150.41 | 150.23 | 150.07 | 150.01 | | 149.99 | |
| 31 | | 151.23 | | 150.67 | 152.37 | | 150.42 | | 150.07 | 150.01 | | 149.96 | |
| Mean | 150.09 | 150.17 | 150.32 | 150.92 | 151.39 | 150.65 | 151.34 | 150.29 | 150.11 | 150.07 | 150.01 | 150.06 | |
| Max | 150.27 | 151.23 | 151.49 | 153.02 | 152.50 | 151.76 | 153.68 | 150.48 | 150.19 | 150.15 | 150.06 | 150.29 | 153.68 |
| Min | 150.00 | 150.00 | 150.04 | 150.35 | 150.54 | 150.26 | 150.40 | 150.16 | 150.07 | 150.01 | 149.97 | 149.96 | 149.96 |

Annual Max Momentary Gage Height 153.80 m. (MSL.) , at 12.00 Hours , on Oct 9, 2006

Zero Gage at Bottom Elevation 149.00 m. (MSL.) , River Bed 149.31 m. (MSL.)

Left Bank Elevation 158.99 m. (MSL.) ,

Right Bank Elevation 159.01 m. (MSL.) , Drainage Are 172 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.64 | 0.32 | 5.55 | 0.85 | 5.25 | 7.16 | 1.30 | 1.15 | 0.48 | 0.24 | 0.12 | 0.16 | | |
| 2 | 0.48 | 0.26 | 2.86 | 1.24 | 10.36 | 3.98 | 3.66 | 1.24 | 0.44 | 0.24 | 0.12 | 0.28 | | |
| 3 | 0.46 | 0.20 | 1.62 | 3.10 | 8.48 | 2.82 | 9.74 | 1.15 | 0.38 | 0.22 | 0.16 | 0.48 | | |
| 4 | 0.42 | 0.36 | 1.12 | 14.88 | 5.25 | 2.22 | 14.96 | 0.94 | 0.38 | 0.26 | 0.14 | 0.68 | | |
| 5 | 0.32 | 0.46 | 0.85 | 15.78 | 3.54 | 1.90 | 22.02 | 0.82 | 0.38 | 0.40 | 0.12 | 0.42 | | |
| 6 | 0.28 | 0.36 | 0.70 | 6.20 | 2.54 | 1.78 | 15.12 | 0.79 | 0.36 | 0.40 | 0.12 | 0.32 | | |
| 7 | 0.30 | 0.22 | 0.58 | 3.58 | 1.86 | 1.82 | 11.41 | 0.70 | 0.38 | 0.28 | 0.12 | 0.22 | | |
| 8 | 0.30 | 0.26 | 0.50 | 3.98 | 1.58 | 2.06 | 16.05 | 0.68 | 0.32 | 0.22 | 0.12 | 0.16 | | |
| 9 | 0.58 | 0.76 | 0.40 | 3.18 | 1.46 | 2.22 | 23.42 | 0.64 | 0.32 | 0.20 | 0.12 | 0.14 | | |
| 10 | 0.52 | 0.52 | 0.30 | 2.22 | 1.62 | 2.38 | 15.52 | 0.62 | 0.32 | 0.20 | 0.12 | 0.10 | | |
| 11 | 0.40 | 0.50 | 0.24 | 1.54 | 3.62 | 1.82 | 8.30 | 0.60 | 0.30 | 0.26 | 0.14 | 0.10 | | |
| 12 | 0.32 | 0.38 | 0.24 | 1.21 | 7.16 | 1.42 | 5.40 | 0.56 | 0.28 | 0.40 | 0.16 | 0.08 | | |
| 13 | 0.28 | 0.38 | 0.18 | 0.97 | 10.22 | 1.00 | 4.55 | 0.54 | 0.32 | 0.40 | 0.18 | 0.10 | | |
| 14 | 0.26 | 0.38 | 0.18 | 0.94 | 9.38 | 0.85 | 3.90 | 0.64 | 0.36 | 0.30 | 0.22 | 0.14 | | |
| 15 | 0.24 | 0.34 | 0.20 | 2.50 | 5.55 | 0.79 | 3.54 | 0.68 | 0.36 | 0.30 | 0.20 | 0.12 | | |
| 16 | 0.16 | 0.20 | 0.36 | 2.46 | 11.90 | 0.66 | 3.14 | 0.62 | 0.28 | 0.24 | 0.16 | 0.08 | | |
| 17 | 0.10 | 0.16 | 0.36 | 1.86 | 11.55 | 0.62 | 2.74 | 0.54 | 0.26 | 0.20 | 0.10 | 0.07 | | |
| 18 | 0.10 | 0.14 | 0.82 | 1.38 | 5.96 | 0.85 | 2.46 | 0.52 | 0.24 | 0.24 | 0.08 | 0.48 | | |
| 19 | 0.10 | 0.10 | 1.34 | 2.14 | 5.00 | 0.85 | 2.26 | 0.46 | 0.24 | 0.24 | 0.07 | 0.58 | | |
| 20 | 0.10 | 0.10 | 0.94 | 2.98 | 4.20 | 0.91 | 2.02 | 0.42 | 0.28 | 0.20 | 0.08 | 0.36 | | |
| 21 | 0.10 | 0.10 | 0.94 | 2.90 | 3.42 | 1.06 | 1.78 | 0.46 | 0.26 | 0.18 | 0.09 | 0.22 | | |
| 22 | 0.10 | 0.12 | 0.66 | 3.46 | 3.46 | 1.27 | 1.62 | 0.79 | 0.26 | 0.14 | 0.14 | 0.14 | | |
| 23 | 0.18 | 0.14 | 0.66 | 3.50 | 4.25 | 1.27 | 1.54 | 0.88 | 0.38 | 0.22 | 0.14 | 0.14 | | |
| 24 | 0.30 | 0.28 | 1.00 | 2.70 | 4.06 | 1.24 | 1.38 | 0.91 | 0.30 | 0.32 | 0.14 | 0.36 | | |
| 25 | 0.20 | 0.32 | 1.18 | 2.22 | 4.80 | 2.82 | 1.24 | 0.73 | 0.32 | 0.28 | 0.12 | 0.42 | | |
| 26 | 0.18 | 0.28 | 0.94 | 2.54 | 3.70 | 4.55 | 1.18 | 0.58 | 0.32 | 0.16 | 0.09 | 0.26 | | |
| 27 | 0.24 | 0.36 | 0.66 | 2.58 | 2.78 | 3.58 | 1.15 | 0.52 | 0.30 | 0.12 | 0.12 | 0.16 | | |
| 28 | 0.18 | 1.15 | 0.60 | 2.70 | 2.66 | 2.54 | 1.00 | 0.58 | 0.26 | 0.12 | 0.12 | 0.14 | | |
| 29 | 0.34 | 0.91 | 0.50 | 2.74 | 4.55 | 1.86 | 1.03 | 0.60 | 0.24 | 0.12 | | 0.10 | | |
| 30 | 0.16 | 1.50 | 0.48 | 1.86 | 6.86 | 1.42 | 1.03 | 0.56 | 0.24 | 0.12 | | 0.09 | | |
| 31 | | 4.25 | | 1.98 | 10.99 | | 1.06 | | 0.24 | 0.12 | | 0.06 | | |
| Total | 8.34 | 15.81 | 26.96 | 102.17 | 168.01 | 59.72 | 185.52 | 20.92 | 9.80 | 7.34 | 3.61 | 7.16 | 615.36 | CMSDAY |
| Mean | 0.28 | 0.51 | 0.90 | 3.30 | 5.42 | 1.99 | 5.98 | 0.70 | 0.32 | 0.24 | 0.13 | 0.23 | 1.69 | CMS |
| Max | 0.64 | 4.25 | 5.55 | 15.78 | 11.90 | 7.16 | 23.42 | 1.24 | 0.48 | 0.40 | 0.22 | 0.68 | 23.42 | CMS |
| Min | 0.10 | 0.10 | 0.18 | 0.85 | 1.46 | 0.62 | 1.00 | 0.42 | 0.24 | 0.12 | 0.07 | 0.06 | 0.06 | CMS |
| Runoff | 0.72 | 1.37 | 2.33 | 8.83 | 14.52 | 5.16 | 16.03 | 1.81 | 0.85 | 0.63 | 0.31 | 0.62 | 53.17 | MCM |

Momentary Peak 25.20 CMS. at 153.80 m. (MSL.) at 12.00 Hours , on Oct 9, 2006

Runoff Yield 9.80 Liters/Second/Square KM. Momentary Peak Yield 146.51 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Bang Sai at Ban Kan Luang Dong , Muk Dahan (Kh.92)

Lat 16 - 44 - 06 N Long 104 - 31 - 23 E

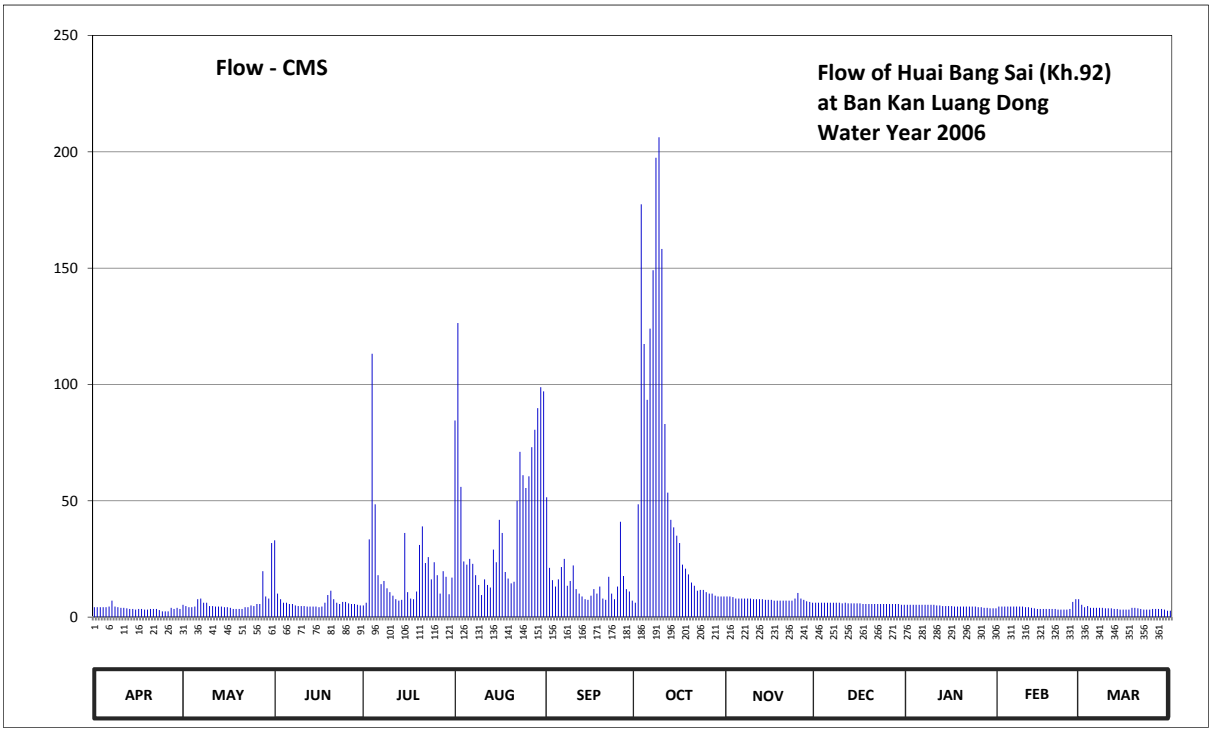
**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Kan Luang Dong | **Amphoe** Dong Luang | **Changwat** Muk Dahan |
| **Drainge Area** | 1,119 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +147.840 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank at the footpath of the bridge. | | **Elevation** +158.890 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00 , 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1996 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. The local weir situated downstream from the gage site. | | |
| | Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 149.27 | 149.31 | 150.10 | 149.30 | 151.19 | 150.53 | 149.34 | 149.43 | 149.34 | 149.31 | 149.28 | 149.31 | |
| 2 | 149.27 | 149.29 | 149.47 | 149.34 | 151.89 | 149.79 | 150.47 | 149.43 | 149.34 | 149.31 | 149.28 | 149.27 | |
| 3 | 149.27 | 149.27 | 149.39 | 150.11 | 150.62 | 149.64 | 152.63 | 149.42 | 149.34 | 149.31 | 149.28 | 149.29 | |
| 4 | 149.27 | 149.27 | 149.34 | 151.67 | 149.87 | 149.56 | 151.74 | 149.40 | 149.34 | 149.31 | 149.28 | 149.26 | |
| 5 | 149.27 | 149.28 | 149.34 | 150.47 | 149.83 | 149.65 | 151.34 | 149.40 | 149.34 | 149.31 | 149.28 | 149.26 | |
| 6 | 149.28 | 149.39 | 149.32 | 149.70 | 149.90 | 149.80 | 151.85 | 149.40 | 149.34 | 149.31 | 149.28 | 149.26 | |
| 7 | 149.37 | 149.40 | 149.32 | 149.59 | 149.84 | 149.90 | 152.23 | 149.40 | 149.34 | 149.31 | 149.28 | 149.26 | |
| 8 | 149.28 | 149.34 | 149.30 | 149.63 | 149.70 | 149.57 | 152.88 | 149.40 | 149.34 | 149.31 | 149.28 | 149.26 | |
| 9 | 149.27 | 149.34 | 149.29 | 149.54 | 149.58 | 149.63 | 152.99 | 149.40 | 149.34 | 149.31 | 149.28 | 149.25 | |
| 10 | 149.26 | 149.29 | 149.29 | 149.49 | 149.45 | 149.82 | 152.36 | 149.39 | 149.33 | 149.31 | 149.27 | 149.25 | |
| 11 | 149.26 | 149.29 | 149.29 | 149.44 | 149.65 | 149.53 | 151.16 | 149.39 | 149.34 | 149.30 | 149.27 | 149.25 | |
| 12 | 149.25 | 149.28 | 149.28 | 149.39 | 149.58 | 149.47 | 150.57 | 149.39 | 149.33 | 149.30 | 149.26 | 149.24 | |
| 13 | 149.24 | 149.28 | 149.28 | 149.37 | 149.55 | 149.43 | 150.32 | 149.39 | 149.33 | 149.29 | 149.25 | 149.24 | |
| 14 | 149.24 | 149.28 | 149.28 | 149.38 | 150.00 | 149.39 | 150.24 | 149.38 | 149.33 | 149.29 | 149.24 | 149.23 | |
| 15 | 149.23 | 149.27 | 149.28 | 150.18 | 149.86 | 149.38 | 150.15 | 149.38 | 149.33 | 149.29 | 149.24 | 149.23 | |
| 16 | 149.24 | 149.27 | 149.27 | 149.49 | 150.32 | 149.44 | 150.07 | 149.38 | 149.33 | 149.29 | 149.24 | 149.23 | |
| 17 | 149.24 | 149.26 | 149.28 | 149.40 | 150.18 | 149.53 | 149.83 | 149.37 | 149.32 | 149.28 | 149.24 | 149.23 | |
| 18 | 149.23 | 149.24 | 149.34 | 149.39 | 149.74 | 149.47 | 149.78 | 149.37 | 149.32 | 149.28 | 149.24 | 149.26 | |
| 19 | 149.23 | 149.24 | 149.45 | 149.50 | 149.66 | 149.56 | 149.71 | 149.37 | 149.32 | 149.28 | 149.24 | 149.26 | |
| 20 | 149.24 | 149.24 | 149.51 | 150.05 | 149.60 | 149.40 | 149.61 | 149.37 | 149.32 | 149.28 | 149.24 | 149.25 | |
| 21 | 149.24 | 149.24 | 149.39 | 150.25 | 149.62 | 149.38 | 149.57 | 149.37 | 149.32 | 149.28 | 149.23 | 149.24 | |
| 22 | 149.24 | 149.27 | 149.34 | 149.85 | 150.50 | 149.68 | 149.51 | 149.37 | 149.32 | 149.28 | 149.23 | 149.23 | |
| 23 | 149.22 | 149.27 | 149.32 | 149.92 | 150.92 | 149.47 | 149.52 | 149.37 | 149.32 | 149.28 | 149.23 | 149.23 | |
| 24 | 149.20 | 149.30 | 149.35 | 149.65 | 150.72 | 149.39 | 149.52 | 149.40 | 149.32 | 149.28 | 149.23 | 149.23 | |
| 25 | 149.20 | 149.29 | 149.35 | 149.86 | 150.61 | 149.56 | 149.49 | 149.48 | 149.32 | 149.27 | 149.24 | 149.24 | |
| 26 | 149.20 | 149.32 | 149.33 | 149.70 | 150.71 | 150.30 | 149.47 | 149.40 | 149.32 | 149.27 | 149.35 | 149.24 | |
| 27 | 149.26 | 149.32 | 149.32 | 149.47 | 150.96 | 149.69 | 149.47 | 149.38 | 149.32 | 149.26 | 149.39 | 149.24 | |
| 28 | 149.24 | 149.75 | 149.32 | 149.75 | 151.11 | 149.53 | 149.44 | 149.36 | 149.32 | 149.26 | 149.39 | 149.24 | |
| 29 | 149.26 | 149.43 | 149.31 | 149.68 | 151.28 | 149.50 | 149.43 | 149.35 | 149.32 | 149.25 | | 149.23 | |
| 30 | 149.24 | 149.40 | 149.30 | 149.46 | 151.43 | 149.37 | 149.43 | 149.34 | 149.31 | 149.25 | | 149.21 | |
| 31 | | 150.07 | | 149.67 | 151.40 | | 149.43 | | 149.31 | 149.25 | | 149.21 | |
| Mean | 149.25 | 149.34 | 149.36 | 149.73 | 150.30 | 149.61 | 150.44 | 149.39 | 149.33 | 149.29 | 149.27 | 149.25 | |
| Max | 149.37 | 150.07 | 150.10 | 151.67 | 151.89 | 150.53 | 152.99 | 149.48 | 149.34 | 149.31 | 149.39 | 149.31 | 152.99 |
| Min | 149.20 | 149.24 | 149.27 | 149.30 | 149.45 | 149.37 | 149.34 | 149.34 | 149.31 | 149.25 | 149.23 | 149.21 | 149.20 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 153.70 | m. (MSL.) , | at 18.00 Hours , on Oct 7, 2006 | | |
| Zero Gage at Bottom Elevation | 147.84 | m. (MSL.) , | River Bed | 148.97 | m. (MSL.) |
| Left Bank Elevation | 158.92 | m. (MSL.) , | | | |
| Right Bank Elevation | 158.94 | m. (MSL.) , | Drainage Are | 1,119 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2008**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.25 | 5.30 | 33.00 | 5.00 | 84.50 | 51.50 | 6.20 | 8.90 | 6.20 | 5.30 | 4.50 | 5.30 | | |
| 2 | 4.25 | 4.75 | 10.10 | 6.20 | 126.40 | 21.15 | 48.50 | 8.90 | 6.20 | 5.30 | 4.50 | 4.25 | | |
| 3 | 4.25 | 4.25 | 7.70 | 33.40 | 56.00 | 15.90 | 177.40 | 8.60 | 6.20 | 5.30 | 4.50 | 4.75 | | |
| 4 | 4.25 | 4.25 | 6.20 | 113.20 | 23.95 | 13.10 | 117.40 | 8.00 | 6.20 | 5.30 | 4.50 | 4.00 | | |
| 5 | 4.25 | 4.50 | 6.20 | 48.50 | 22.55 | 16.25 | 93.40 | 8.00 | 6.20 | 5.30 | 4.50 | 4.00 | | |
| 6 | 4.50 | 7.70 | 5.60 | 18.00 | 25.00 | 21.50 | 124.00 | 8.00 | 6.20 | 5.30 | 4.50 | 4.00 | | |
| 7 | 7.10 | 8.00 | 5.60 | 14.15 | 22.90 | 25.00 | 149.10 | 8.00 | 6.20 | 5.30 | 4.50 | 4.00 | | |
| 8 | 4.50 | 6.20 | 5.00 | 15.55 | 18.00 | 13.45 | 197.40 | 8.00 | 6.20 | 5.30 | 4.50 | 4.00 | | |
| 9 | 4.25 | 6.20 | 4.75 | 12.40 | 13.80 | 15.55 | 206.20 | 8.00 | 6.20 | 5.30 | 4.50 | 3.75 | | |
| 10 | 4.00 | 4.75 | 4.75 | 10.70 | 9.50 | 22.20 | 158.20 | 7.70 | 5.90 | 5.30 | 4.25 | 3.75 | | |
| 11 | 4.00 | 4.75 | 4.75 | 9.20 | 16.25 | 12.05 | 83.00 | 7.70 | 6.20 | 5.00 | 4.25 | 3.75 | | |
| 12 | 3.75 | 4.50 | 4.50 | 7.70 | 13.80 | 10.10 | 53.50 | 7.70 | 5.90 | 5.00 | 4.00 | 3.50 | | |
| 13 | 3.50 | 4.50 | 4.50 | 7.10 | 12.75 | 8.90 | 41.80 | 7.70 | 5.90 | 4.75 | 3.75 | 3.50 | | |
| 14 | 3.50 | 4.50 | 4.50 | 7.40 | 29.00 | 7.70 | 38.60 | 7.40 | 5.90 | 4.75 | 3.50 | 3.25 | | |
| 15 | 3.25 | 4.25 | 4.50 | 36.20 | 23.60 | 7.40 | 35.00 | 7.40 | 5.90 | 4.75 | 3.50 | 3.25 | | |
| 16 | 3.50 | 4.25 | 4.25 | 10.70 | 41.80 | 9.20 | 31.80 | 7.40 | 5.90 | 4.75 | 3.50 | 3.25 | | |
| 17 | 3.50 | 4.00 | 4.50 | 8.00 | 36.20 | 12.05 | 22.55 | 7.10 | 5.60 | 4.50 | 3.50 | 3.25 | | |
| 18 | 3.25 | 3.50 | 6.20 | 7.70 | 19.40 | 10.10 | 20.80 | 7.10 | 5.60 | 4.50 | 3.50 | 4.00 | | |
| 19 | 3.25 | 3.50 | 9.50 | 11.00 | 16.60 | 13.10 | 18.35 | 7.10 | 5.60 | 4.50 | 3.50 | 4.00 | | |
| 20 | 3.50 | 3.50 | 11.35 | 31.00 | 14.50 | 8.00 | 14.85 | 7.10 | 5.60 | 4.50 | 3.50 | 3.75 | | |
| 21 | 3.50 | 3.50 | 7.70 | 39.00 | 15.20 | 7.40 | 13.45 | 7.10 | 5.60 | 4.50 | 3.25 | 3.50 | | |
| 22 | 3.50 | 4.25 | 6.20 | 23.25 | 50.00 | 17.30 | 11.35 | 7.10 | 5.60 | 4.50 | 3.25 | 3.25 | | |
| 23 | 3.00 | 4.25 | 5.60 | 25.80 | 71.00 | 10.10 | 11.70 | 7.10 | 5.60 | 4.50 | 3.25 | 3.25 | | |
| 24 | 2.50 | 5.00 | 6.50 | 16.25 | 61.00 | 7.70 | 11.70 | 8.00 | 5.60 | 4.50 | 3.25 | 3.25 | | |
| 25 | 2.50 | 4.75 | 6.50 | 23.60 | 55.50 | 13.10 | 10.70 | 10.40 | 5.60 | 4.25 | 3.50 | 3.50 | | |
| 26 | 2.50 | 5.60 | 5.90 | 18.00 | 60.50 | 41.00 | 10.10 | 8.00 | 5.60 | 4.25 | 6.50 | 3.50 | | |
| 27 | 4.00 | 5.60 | 5.60 | 10.10 | 73.00 | 17.65 | 10.10 | 7.40 | 5.60 | 4.00 | 7.70 | 3.50 | | |
| 28 | 3.50 | 19.75 | 5.60 | 19.75 | 80.50 | 12.05 | 9.20 | 6.80 | 5.60 | 4.00 | 7.70 | 3.50 | | |
| 29 | 4.00 | 8.90 | 5.30 | 17.30 | 89.80 | 11.00 | 8.90 | 6.50 | 5.60 | 3.75 | | 3.25 | | |
| 30 | 3.50 | 8.00 | 5.00 | 9.80 | 98.80 | 7.10 | 8.90 | 6.20 | 5.30 | 3.75 | | 2.75 | | |
| 31 | | 31.80 | | 16.95 | 97.00 | | 8.90 | | 5.30 | 3.75 | | 2.75 | | |
| Total | 113.10 | 198.55 | 207.35 | 632.90 | 1378.80 | 458.60 | 1753.05 | 230.40 | 180.80 | 145.75 | 119.65 | 113.30 | 5532.25 | CMSDAY |
| Mean | 3.77 | 6.40 | 6.91 | 20.42 | 44.48 | 15.29 | 56.55 | 7.68 | 5.83 | 4.70 | 4.27 | 3.65 | 15.16 | CMS |
| Max | 7.10 | 31.80 | 33.00 | 113.20 | 126.40 | 51.50 | 206.20 | 10.40 | 6.20 | 5.30 | 7.70 | 5.30 | 206.20 | CMS |
| Min | 2.50 | 3.50 | 4.25 | 5.00 | 9.50 | 7.10 | 6.20 | 6.20 | 5.30 | 3.75 | 3.25 | 2.75 | 2.50 | CMS |
| Runoff | 9.77 | 17.15 | 17.92 | 54.68 | 119.13 | 39.62 | 151.46 | 19.91 | 15.62 | 12.59 | 10.34 | 9.79 | 477.99 | MCM |

Momentary Peak 263.50 CMS. at 153.70 m. (MSL.) at 18.00 Hours , on Oct 7, 2006

Runoff Yield 13.54 Liters/Second/Square KM. Momentary Peak Yield 235.48 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Songkhram River at Ban Khok Kham Lai, Udon Thani (Kh.93)

Lat 17 - 33 - 22 N Long 103 - 20 - 20 E

**Location : on left bank at the bridge of Amphoe Ban Duang - Amphoe Sawang Daen Din Highway.**

**Ban** Khok Kham Lai **Amphoe** Ban Dung **Changwat** Udon Thani

| | |
|---|---|
| **Drainge Area** | 760 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +153.120 m. (MSL.) |
| **Bench Mark** | B.M.- Highways Dept. |
| **Location BM** | On left bank downstream side at the footpath of the bridge. **Elevation** +161.354 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1997 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The weir situated downstream from the gage site.<br>Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

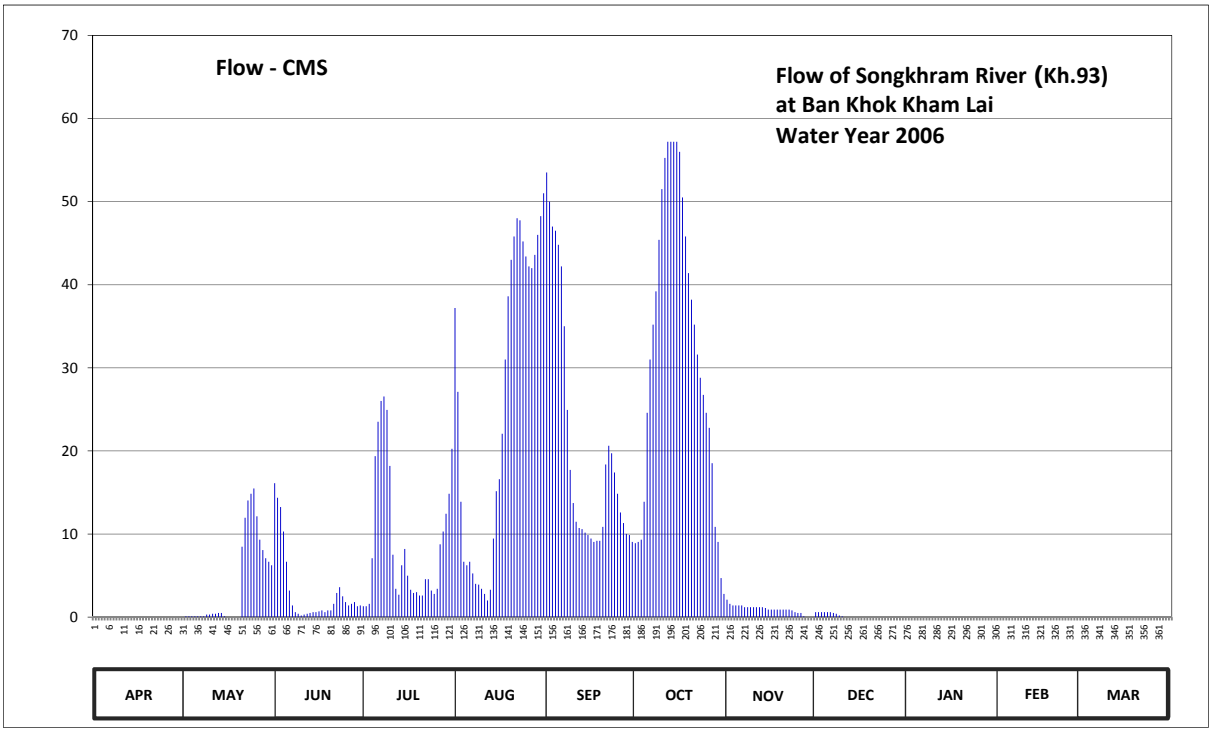
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 154.56 | 154.60 | 155.82 | 154.73 | 156.96 | 157.70 | 155.35 | 154.81 | 154.66 | 154.53 | 154.53 | 154.53 | |
| 2 | 154.56 | 154.61 | 155.71 | 154.73 | 156.45 | 157.56 | 155.36 | 154.76 | 154.66 | 154.53 | 154.53 | 154.53 | |
| 3 | 154.56 | 154.61 | 155.64 | 154.76 | 155.68 | 157.44 | 155.38 | 154.74 | 154.66 | 154.53 | 154.53 | 154.53 | |
| 4 | 154.56 | 154.61 | 155.45 | 155.22 | 155.19 | 157.42 | 155.68 | 154.74 | 154.66 | 154.53 | 154.52 | 154.53 | |
| 5 | 154.56 | 154.61 | 155.19 | 156.02 | 155.16 | 157.34 | 156.31 | 154.74 | 154.66 | 154.53 | 154.52 | 154.52 | |
| 6 | 154.57 | 154.61 | 154.92 | 156.25 | 155.19 | 157.21 | 156.65 | 154.74 | 154.66 | 154.52 | 154.52 | 154.52 | |
| 7 | 154.57 | 154.61 | 154.74 | 156.39 | 155.09 | 156.85 | 156.86 | 154.72 | 154.65 | 154.52 | 154.52 | 154.52 | |
| 8 | 154.57 | 154.61 | 154.66 | 156.42 | 155.00 | 156.33 | 157.06 | 154.72 | 154.64 | 154.52 | 154.52 | 154.52 | |
| 9 | 154.57 | 154.63 | 154.64 | 156.33 | 154.99 | 155.92 | 157.37 | 154.72 | 154.62 | 154.52 | 154.53 | 154.52 | |
| 10 | 154.57 | 154.63 | 154.62 | 155.95 | 154.94 | 155.67 | 157.62 | 154.72 | 154.61 | 154.52 | 154.53 | 154.52 | |
| 11 | 154.58 | 154.64 | 154.63 | 155.25 | 154.88 | 155.53 | 157.77 | 154.72 | 154.59 | 154.52 | 154.53 | 154.52 | |
| 12 | 154.58 | 154.64 | 154.64 | 154.94 | 154.80 | 155.48 | 157.84 | 154.72 | 154.59 | 154.52 | 154.53 | 154.52 | |
| 13 | 154.58 | 154.65 | 154.65 | 154.87 | 154.93 | 155.47 | 157.84 | 154.72 | 154.58 | 154.52 | 154.53 | 154.52 | |
| 14 | 154.58 | 154.65 | 154.66 | 155.16 | 155.39 | 155.44 | 157.84 | 154.71 | 154.58 | 154.53 | 154.53 | 154.52 | |
| 15 | 154.58 | 154.61 | 154.66 | 155.30 | 155.76 | 155.42 | 157.84 | 154.69 | 154.57 | 154.53 | 154.53 | 154.52 | |
| 16 | 154.58 | 154.59 | 154.67 | 155.07 | 155.85 | 155.39 | 157.80 | 154.69 | 154.56 | 154.53 | 154.54 | 154.52 | |
| 17 | 154.58 | 154.55 | 154.68 | 154.93 | 156.17 | 155.36 | 157.58 | 154.69 | 154.56 | 154.54 | 154.54 | 154.52 | |
| 18 | 154.58 | 154.55 | 154.66 | 154.89 | 156.65 | 155.37 | 157.39 | 154.69 | 154.55 | 154.54 | 154.52 | 154.52 | |
| 19 | 154.58 | 154.54 | 154.68 | 154.90 | 157.03 | 155.37 | 157.17 | 154.69 | 154.54 | 154.54 | 154.52 | 154.52 | |
| 20 | 154.58 | 154.60 | 154.68 | 154.86 | 157.25 | 155.49 | 157.01 | 154.69 | 154.54 | 154.54 | 154.52 | 154.53 | |
| 21 | 154.58 | 155.32 | 154.76 | 154.86 | 157.39 | 155.96 | 156.86 | 154.69 | 154.54 | 154.53 | 154.52 | 154.53 | |
| 22 | 154.58 | 155.56 | 154.89 | 155.04 | 157.48 | 156.09 | 156.68 | 154.69 | 154.54 | 154.53 | 154.52 | 154.53 | |
| 23 | 154.58 | 155.69 | 154.96 | 155.04 | 157.47 | 156.04 | 156.54 | 154.68 | 154.54 | 154.53 | 154.51 | 154.53 | |
| 24 | 154.58 | 155.74 | 154.85 | 154.92 | 157.36 | 155.90 | 156.43 | 154.66 | 154.54 | 154.53 | 154.51 | 154.53 | |
| 25 | 154.58 | 155.78 | 154.78 | 154.88 | 157.27 | 155.74 | 156.31 | 154.65 | 154.54 | 154.53 | 154.51 | 154.53 | |
| 26 | 154.58 | 155.57 | 154.74 | 154.94 | 157.21 | 155.60 | 156.21 | 154.65 | 154.54 | 154.53 | 154.51 | 154.53 | |
| 27 | 154.58 | 155.38 | 154.76 | 155.34 | 157.20 | 155.52 | 155.97 | 154.61 | 154.54 | 154.54 | 154.52 | 154.53 | |
| 28 | 154.58 | 155.29 | 154.78 | 155.45 | 157.28 | 155.43 | 155.49 | 154.43 | 154.53 | 154.54 | 154.52 | 154.52 | |
| 29 | 154.58 | 155.22 | 154.73 | 155.59 | 157.40 | 155.42 | 155.36 | 154.38 | 154.53 | 154.54 | | 154.52 | |
| 30 | 154.59 | 155.19 | 154.74 | 155.74 | 157.49 | 155.36 | 155.05 | 154.37 | 154.53 | 154.54 | | 154.53 | |
| 31 | | 155.16 | | 156.07 | 157.60 | | 154.88 | | 154.53 | 154.54 | | 154.53 | |
| Mean | 154.58 | 154.90 | 154.87 | 155.32 | 156.27 | 156.03 | 156.63 | 154.67 | 154.58 | 154.53 | 154.52 | 154.52 | |
| Max | 154.59 | 155.78 | 155.82 | 156.42 | 157.60 | 157.70 | 157.84 | 154.81 | 154.66 | 154.54 | 154.54 | 154.53 | 157.84 |
| Min | 154.56 | 154.54 | 154.62 | 154.73 | 154.80 | 155.36 | 154.88 | 154.37 | 154.53 | 154.52 | 154.51 | 154.52 | 154.37 |

Annual Max Momentary Gage Height 157.84 m. (MSL.) , at 02.00 Hours , on Oct 12, 2006

Zero Gage at Bottom Elevation 153.12 m. (MSL.) , River Bed 152.39 m. (MSL.)

Left Bank Elevation 161.12 m. (MSL.) ,

Right Bank Elevation 161.12 m. (MSL.) , Drainage Are 760 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 16.12 | 1.30 | 37.20 | 53.50 | 8.90 | 2.10 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.10 | 14.36 | 1.30 | 27.10 | 50.00 | 9.04 | 1.60 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.10 | 13.24 | 1.60 | 13.88 | 47.00 | 9.32 | 1.40 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.10 | 10.30 | 7.08 | 6.66 | 46.50 | 13.88 | 1.40 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.10 | 6.66 | 19.36 | 6.24 | 44.80 | 24.58 | 1.40 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.10 | 3.20 | 23.50 | 6.66 | 42.20 | 31.00 | 1.40 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.10 | 1.40 | 26.02 | 5.26 | 35.00 | 35.20 | 1.20 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.10 | 0.60 | 26.56 | 4.00 | 24.94 | 39.20 | 1.20 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.30 | 0.40 | 24.94 | 3.90 | 17.72 | 45.40 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.30 | 0.20 | 18.20 | 3.40 | 13.72 | 51.50 | 1.20 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.40 | 0.30 | 7.50 | 2.80 | 11.48 | 55.25 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.40 | 0.40 | 3.40 | 2.00 | 10.72 | 57.20 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.50 | 0.50 | 2.70 | 3.30 | 10.58 | 57.20 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.50 | 0.60 | 6.24 | 9.46 | 10.16 | 57.20 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.10 | 0.60 | 8.20 | 15.16 | 9.88 | 57.20 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.70 | 4.98 | 16.60 | 9.46 | 56.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.80 | 3.30 | 22.06 | 9.04 | 50.50 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.60 | 2.90 | 31.00 | 9.18 | 45.80 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.80 | 3.00 | 38.60 | 9.18 | 41.40 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.80 | 2.60 | 43.00 | 10.86 | 38.20 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 8.48 | 1.60 | 2.60 | 45.80 | 18.36 | 35.20 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 11.96 | 2.90 | 4.56 | 48.00 | 20.62 | 31.60 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 14.04 | 3.60 | 4.56 | 47.75 | 19.72 | 28.80 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 14.84 | 2.50 | 3.20 | 45.20 | 17.40 | 26.74 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 15.48 | 1.80 | 2.80 | 43.40 | 14.84 | 24.58 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 12.12 | 1.40 | 3.40 | 42.20 | 12.60 | 22.78 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 9.32 | 1.60 | 8.76 | 42.00 | 11.32 | 18.52 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 8.06 | 1.80 | 10.30 | 43.60 | 10.02 | 10.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 7.08 | 1.30 | 12.44 | 46.00 | 9.88 | 9.04 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 6.66 | 1.40 | 14.84 | 48.25 | 9.04 | 4.70 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 6.24 | | 20.26 | 51.00 | | 2.80 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 117.48 | 92.48 | 282.40 | 801.48 | 619.72 | 999.59 | 28.50 | 4.80 | 0.00 | 0.00 | 0.00 | 2946.45 | CMSDAY |
| Mean | 0.00 | 3.79 | 3.08 | 9.11 | 25.85 | 20.66 | 32.24 | 0.95 | 0.15 | 0.00 | 0.00 | 0.00 | 8.07 | CMS |
| Max | 0.00 | 15.48 | 16.12 | 26.56 | 51.00 | 53.50 | 57.20 | 2.10 | 0.60 | 0.00 | 0.00 | 0.00 | 57.20 | CMS |
| Min | 0.00 | 0.00 | 0.20 | 1.30 | 2.00 | 9.04 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 10.15 | 7.99 | 24.40 | 69.25 | 53.54 | 86.36 | 2.46 | 0.41 | 0.00 | 0.00 | 0.00 | 254.57 | MCM |

Momentary Peak 57.20 CMS. at 157.84 m. (MSL.) at 02.00 Hours , on Oct 12, 2006

Runoff Yield 10.62 Liters/Second/Square KM. Momentary Peak Yield 75.26 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam Som at Ban Wang Lao, Udon Thani (Kh.94)

Lat 17 - 58 - 03 N Long 102 - 14 - 46 E

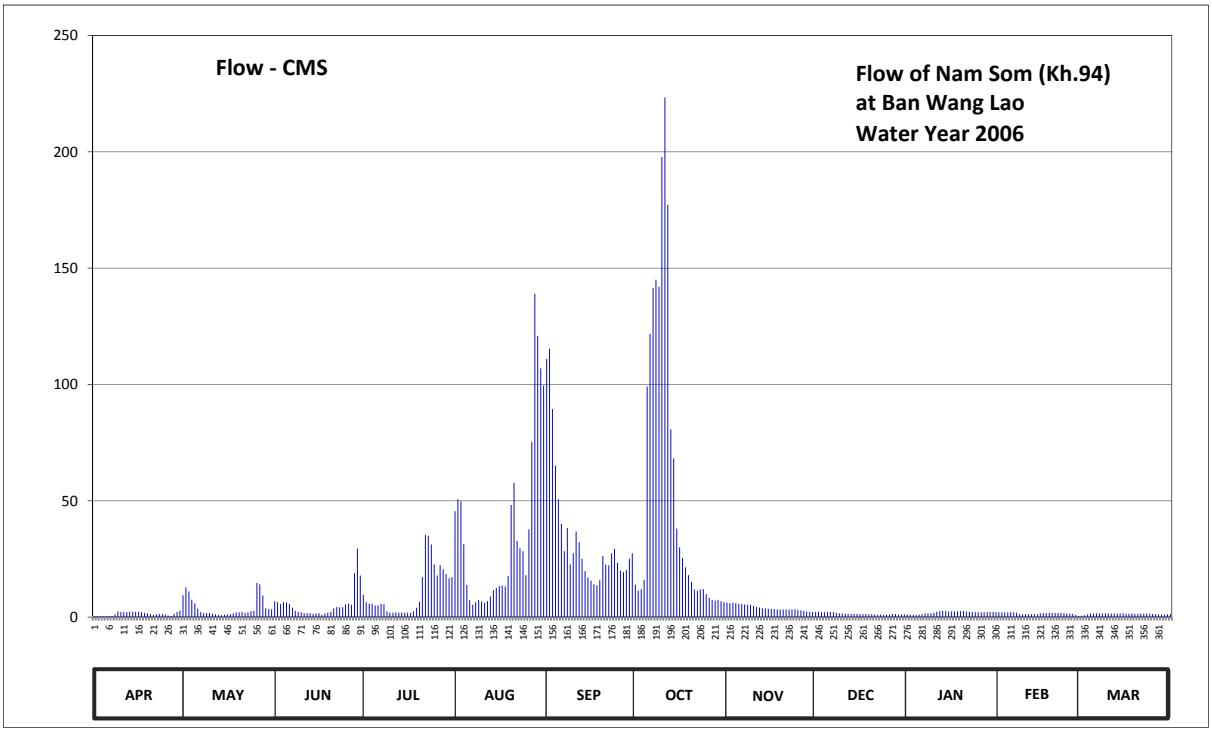
**Location : on right bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Lao | **Amphoe** Na Yung | **Changwat** Udon Thani |
| **Drainge Area** | 854 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +173.240 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank downstream side at the footpath of the bridge. | | **Elevation** +181.632 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1997 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1997 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1997 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +181.320 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 173.89 | 175.07 | 174.83 | 175.08 | 177.37 | 179.81 | 175.42 | 174.77 | 174.25 | 174.03 | 174.22 | 173.92 | |
| 2 | 173.88 | 175.33 | 174.79 | 174.79 | 177.62 | 179.92 | 175.22 | 174.75 | 174.26 | 174.02 | 174.21 | 173.97 | |
| 3 | 173.88 | 175.19 | 174.71 | 174.73 | 177.58 | 179.18 | 175.27 | 174.77 | 174.23 | 174.00 | 174.20 | 174.04 | |
| 4 | 173.88 | 174.90 | 174.79 | 174.72 | 176.58 | 178.26 | 175.58 | 174.75 | 174.22 | 173.99 | 174.21 | 174.10 | |
| 5 | 173.88 | 174.74 | 174.78 | 174.65 | 175.41 | 177.62 | 179.49 | 174.72 | 174.23 | 174.02 | 174.22 | 174.11 | |
| 6 | 173.89 | 174.49 | 174.71 | 174.65 | 174.88 | 177.08 | 180.08 | 174.71 | 174.24 | 174.05 | 174.20 | 174.13 | |
| 7 | 173.91 | 174.22 | 174.54 | 174.71 | 174.68 | 176.40 | 180.50 | 174.69 | 174.22 | 174.12 | 174.18 | 174.11 | |
| 8 | 174.03 | 174.14 | 174.34 | 174.70 | 174.79 | 176.99 | 180.57 | 174.68 | 174.17 | 174.11 | 174.05 | 174.11 | |
| 9 | 174.29 | 174.14 | 174.25 | 174.29 | 174.88 | 176.07 | 180.51 | 174.68 | 174.12 | 174.13 | 174.03 | 174.13 | |
| 10 | 174.25 | 174.14 | 174.21 | 174.19 | 174.82 | 176.35 | 181.39 | 174.64 | 174.11 | 174.17 | 174.05 | 174.12 | |
| 11 | 174.22 | 174.10 | 174.14 | 174.19 | 174.77 | 176.90 | 181.71 | 174.59 | 174.09 | 174.25 | 174.04 | 174.10 | |
| 12 | 174.23 | 174.05 | 174.13 | 174.20 | 174.84 | 176.63 | 181.11 | 174.55 | 174.08 | 174.31 | 174.05 | 174.11 | |
| 13 | 174.26 | 173.99 | 174.14 | 174.19 | 175.03 | 176.21 | 178.88 | 174.51 | 174.08 | 174.34 | 174.06 | 174.12 | |
| 14 | 174.26 | 173.96 | 174.09 | 174.19 | 175.24 | 175.87 | 178.40 | 174.49 | 174.09 | 174.33 | 174.05 | 174.12 | |
| 15 | 174.27 | 174.01 | 174.12 | 174.19 | 175.31 | 175.65 | 176.97 | 174.48 | 174.07 | 174.26 | 174.13 | 174.13 | |
| 16 | 174.27 | 174.04 | 174.13 | 174.18 | 175.37 | 175.55 | 176.50 | 174.46 | 174.06 | 174.29 | 174.14 | 174.09 | |
| 17 | 174.23 | 174.05 | 173.99 | 174.19 | 175.39 | 175.43 | 176.23 | 174.46 | 174.04 | 174.30 | 174.15 | 174.09 | |
| 18 | 174.17 | 174.11 | 174.11 | 174.30 | 175.36 | 175.40 | 175.99 | 174.44 | 174.07 | 174.30 | 174.17 | 174.10 | |
| 19 | 174.11 | 174.20 | 174.18 | 174.54 | 175.71 | 175.57 | 175.73 | 174.43 | 174.04 | 174.31 | 174.16 | 174.08 | |
| 20 | 174.06 | 174.23 | 174.25 | 174.80 | 177.51 | 176.28 | 175.51 | 174.44 | 174.04 | 174.32 | 174.15 | 174.08 | |
| 21 | 173.99 | 174.25 | 174.51 | 175.67 | 177.94 | 176.06 | 175.26 | 174.44 | 174.02 | 174.28 | 174.15 | 174.10 | |
| 22 | 174.03 | 174.16 | 174.58 | 176.81 | 176.66 | 176.04 | 175.22 | 174.43 | 174.01 | 174.26 | 174.17 | 174.09 | |
| 23 | 174.08 | 174.20 | 174.56 | 176.79 | 176.48 | 176.35 | 175.26 | 174.45 | 174.02 | 174.24 | 174.14 | 174.10 | |
| 24 | 174.07 | 174.31 | 174.57 | 176.57 | 176.40 | 176.46 | 175.27 | 174.45 | 174.01 | 174.23 | 174.11 | 174.09 | |
| 25 | 174.02 | 174.34 | 174.69 | 176.07 | 175.73 | 176.11 | 175.11 | 174.42 | 174.00 | 174.21 | 174.10 | 174.08 | |
| 26 | 173.94 | 175.48 | 174.73 | 175.72 | 176.95 | 175.88 | 174.98 | 174.37 | 174.02 | 174.21 | 174.07 | 174.04 | |
| 27 | 173.89 | 175.43 | 174.68 | 176.05 | 178.68 | 175.83 | 174.89 | 174.32 | 174.08 | 174.21 | 173.99 | 174.03 | |
| 28 | 174.07 | 175.06 | 175.80 | 175.93 | 180.45 | 175.90 | 174.86 | 174.28 | 174.06 | 174.22 | 173.89 | 174.02 | |
| 29 | 174.24 | 174.51 | 176.47 | 175.77 | 180.06 | 176.21 | 174.89 | 174.26 | 174.02 | 174.25 | | 174.02 | |
| 30 | 174.36 | 174.46 | 175.72 | 175.63 | 179.71 | 176.35 | 174.83 | 174.24 | 174.03 | 174.24 | | 174.05 | |
| 31 | | 174.45 | | 175.67 | 179.50 | | 174.79 | | 174.04 | 174.22 | | 174.07 | |
| Mean | 174.09 | 174.44 | 174.58 | 175.04 | 176.51 | 176.61 | 176.98 | 174.52 | 174.10 | 174.20 | 174.12 | 174.08 | |
| Max | 174.36 | 175.48 | 176.47 | 176.81 | 180.45 | 179.92 | 181.71 | 174.77 | 174.26 | 174.34 | 174.22 | 174.13 | 181.71 |
| Min | 173.88 | 173.96 | 173.99 | 174.18 | 174.68 | 175.40 | 174.79 | 174.24 | 174.00 | 173.99 | 173.89 | 173.92 | 173.88 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 181.79 | m. (MSL.) , | at 13.00 Hours , on Oct 11, 2006 | | |
| Zero Gage at Bottom Elevation | 173.24 | m. (MSL.) , | River Bed | 173.48 | m. (MSL.) |
| Left Bank Elevation | 181.32 | m. (MSL.) , | | | |
| Right Bank Elevation | 181.42 | m. (MSL.) , | Drainage Are | 854 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.46 | 9.41 | 6.80 | 9.54 | 45.53 | 110.90 | 13.96 | 6.20 | 2.25 | 1.15 | 2.10 | 0.60 | | |
| 2 | 0.42 | 12.79 | 6.40 | 6.40 | 50.64 | 115.30 | 11.36 | 6.00 | 2.30 | 1.10 | 2.05 | 0.85 | | |
| 3 | 0.42 | 10.97 | 5.60 | 5.80 | 49.76 | 89.40 | 12.01 | 6.20 | 2.15 | 1.00 | 2.00 | 1.20 | | |
| 4 | 0.42 | 7.50 | 6.40 | 5.70 | 31.36 | 64.98 | 16.04 | 6.00 | 2.10 | 0.95 | 2.05 | 1.50 | | |
| 5 | 0.42 | 5.90 | 6.30 | 5.00 | 13.83 | 50.64 | 99.15 | 5.70 | 2.15 | 1.10 | 2.10 | 1.55 | | |
| 6 | 0.46 | 3.63 | 5.60 | 5.00 | 7.30 | 40.02 | 121.70 | 5.60 | 2.20 | 1.25 | 2.00 | 1.65 | | |
| 7 | 0.55 | 2.10 | 4.02 | 5.60 | 5.30 | 28.30 | 141.50 | 5.40 | 2.10 | 1.60 | 1.90 | 1.55 | | |
| 8 | 1.15 | 1.70 | 2.70 | 5.50 | 6.40 | 38.33 | 145.00 | 5.30 | 1.85 | 1.55 | 1.25 | 1.55 | | |
| 9 | 2.45 | 1.70 | 2.25 | 2.45 | 7.30 | 22.69 | 142.00 | 5.30 | 1.60 | 1.65 | 1.15 | 1.65 | | |
| 10 | 2.25 | 1.70 | 2.05 | 1.95 | 6.70 | 27.45 | 197.75 | 4.90 | 1.55 | 1.85 | 1.25 | 1.60 | | |
| 11 | 2.10 | 1.50 | 1.70 | 1.95 | 6.20 | 36.80 | 223.35 | 4.42 | 1.45 | 2.25 | 1.20 | 1.50 | | |
| 12 | 2.15 | 1.25 | 1.65 | 2.00 | 6.90 | 32.21 | 177.20 | 4.10 | 1.40 | 2.55 | 1.25 | 1.55 | | |
| 13 | 2.30 | 0.95 | 1.70 | 1.95 | 8.89 | 25.07 | 80.76 | 3.78 | 1.40 | 2.70 | 1.30 | 1.60 | | |
| 14 | 2.30 | 0.80 | 1.45 | 1.95 | 11.62 | 19.81 | 68.20 | 3.63 | 1.45 | 2.65 | 1.25 | 1.60 | | |
| 15 | 2.35 | 1.05 | 1.60 | 1.95 | 12.53 | 16.95 | 37.99 | 3.56 | 1.35 | 2.30 | 1.65 | 1.65 | | |
| 16 | 2.35 | 1.20 | 1.65 | 1.90 | 13.31 | 15.65 | 30.00 | 3.42 | 1.30 | 2.45 | 1.70 | 1.45 | | |
| 17 | 2.15 | 1.25 | 0.95 | 1.95 | 13.57 | 14.09 | 25.41 | 3.42 | 1.20 | 2.50 | 1.75 | 1.45 | | |
| 18 | 1.85 | 1.55 | 1.55 | 2.50 | 13.18 | 13.70 | 21.37 | 3.28 | 1.35 | 2.50 | 1.85 | 1.50 | | |
| 19 | 1.55 | 2.00 | 1.90 | 4.02 | 17.73 | 15.91 | 17.99 | 3.21 | 1.20 | 2.55 | 1.80 | 1.40 | | |
| 20 | 1.30 | 2.15 | 2.25 | 6.50 | 48.22 | 26.26 | 15.13 | 3.28 | 1.20 | 2.60 | 1.75 | 1.40 | | |
| 21 | 0.95 | 2.25 | 3.78 | 17.21 | 57.68 | 22.52 | 11.88 | 3.28 | 1.10 | 2.40 | 1.75 | 1.50 | | |
| 22 | 1.15 | 1.80 | 4.34 | 35.27 | 32.72 | 22.18 | 11.36 | 3.21 | 1.05 | 2.30 | 1.85 | 1.45 | | |
| 23 | 1.40 | 2.00 | 4.18 | 34.93 | 29.66 | 27.45 | 11.88 | 3.35 | 1.10 | 2.20 | 1.70 | 1.50 | | |
| 24 | 1.35 | 2.55 | 4.26 | 31.19 | 28.30 | 29.32 | 12.01 | 3.35 | 1.05 | 2.15 | 1.55 | 1.45 | | |
| 25 | 1.10 | 2.70 | 5.40 | 22.69 | 17.99 | 23.37 | 9.93 | 3.14 | 1.00 | 2.05 | 1.50 | 1.40 | | |
| 26 | 0.70 | 14.74 | 5.80 | 17.86 | 37.65 | 19.94 | 8.30 | 2.85 | 1.10 | 2.05 | 1.35 | 1.20 | | |
| 27 | 0.46 | 14.09 | 5.30 | 22.35 | 75.36 | 19.29 | 7.40 | 2.60 | 1.40 | 2.05 | 0.95 | 1.15 | | |
| 28 | 1.35 | 9.28 | 18.90 | 20.59 | 139.00 | 20.20 | 7.10 | 2.40 | 1.30 | 2.10 | 0.46 | 1.10 | | |
| 29 | 2.20 | 3.78 | 29.49 | 18.51 | 120.90 | 25.07 | 7.40 | 2.30 | 1.10 | 2.25 | | 1.10 | | |
| 30 | 2.80 | 3.42 | 17.86 | 16.69 | 106.90 | 27.45 | 6.80 | 2.20 | 1.15 | 2.20 | | 1.25 | | |
| 31 | | 3.35 | | 17.21 | 99.50 | | 6.40 | | 1.20 | 2.10 | | 1.35 | | |
| Total | 42.86 | 131.06 | 163.83 | 334.11 | 1121.93 | 1041.25 | 1698.33 | 121.38 | 46.10 | 62.10 | 44.46 | 43.25 | 4850.66 | CMSDAY |
| Mean | 1.43 | 4.23 | 5.46 | 10.78 | 36.19 | 34.71 | 54.78 | 4.05 | 1.49 | 2.00 | 1.59 | 1.40 | 13.29 | CMS |
| Max | 2.80 | 14.74 | 29.49 | 35.27 | 139.00 | 115.30 | 223.35 | 6.20 | 2.30 | 2.70 | 2.10 | 1.65 | 223.35 | CMS |
| Min | 0.42 | 0.80 | 0.95 | 1.90 | 5.30 | 13.70 | 6.40 | 2.20 | 1.00 | 0.95 | 0.46 | 0.60 | 0.42 | CMS |
| Runoff | 3.70 | 11.32 | 14.15 | 28.87 | 96.93 | 89.96 | 146.74 | 10.49 | 3.98 | 5.37 | 3.84 | 3.74 | 419.10 | MCM |

Momentary Peak 230.15 CMS. at 181.79 m. (MSL.) at 13.00 Hours , on Oct 11, 2006

Runoff Yield 15.56 Liters/Second/Square KM. Momentary Peak Yield 269.50 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam San at Ban Kaeng Hai , Loei (Kh.95)

Lat 17 - 26 - 20 N Long 101 - 19 - 50 E

**Location : on left bank at the bridge of Amphoe Phu Rua - Amphoe Dan Sai Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Kaeng Hai | **Amphoe** Phu Rua | **Changwat** Loei |
| **Drainge Area** | 352 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +593.920 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank upstream side at the footpath of the bridge. | | **Elevation** +605.713 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1998 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1998 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

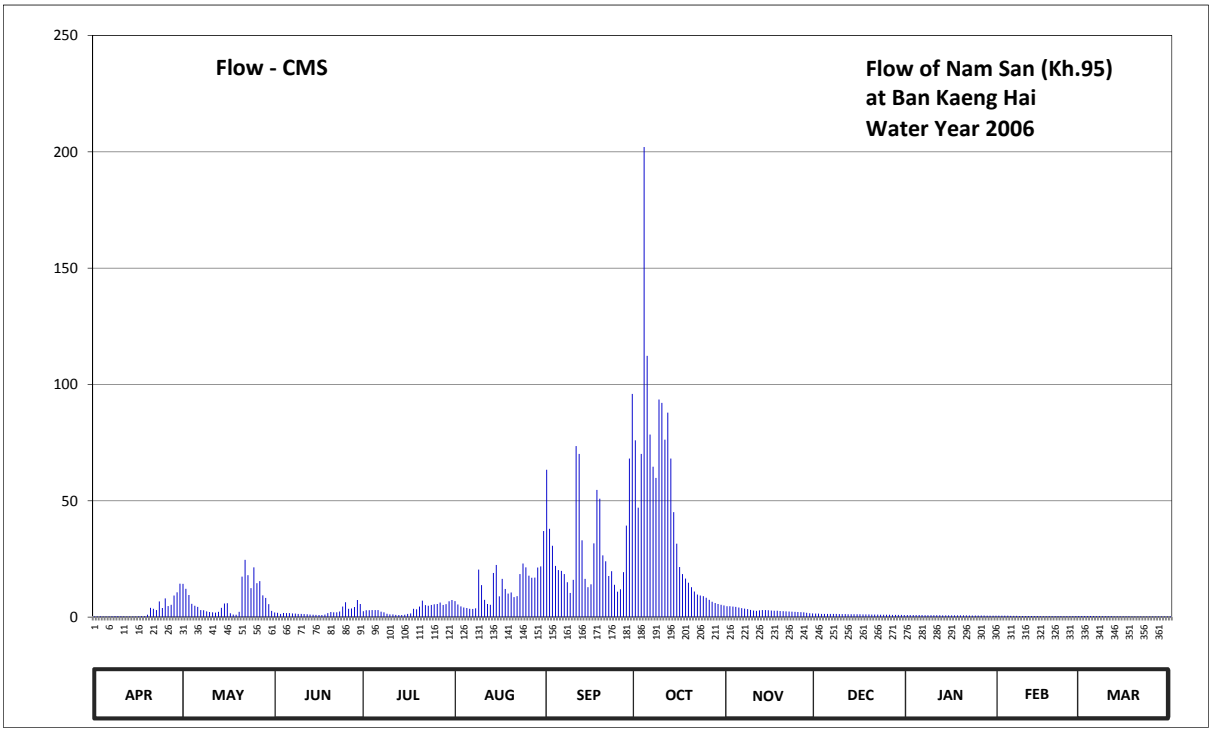
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 594.90 | 597.53 | 595.64 | 595.79 | 596.62 | 601.15 | 601.66 | 596.24 | 595.52 | 595.26 | 595.11 | 595.03 | |
| 2 | 594.90 | 597.30 | 595.62 | 595.89 | 596.38 | 599.61 | 600.27 | 596.23 | 595.52 | 595.26 | 595.11 | 595.03 | |
| 3 | 594.91 | 597.00 | 595.49 | 595.89 | 596.22 | 599.05 | 601.46 | 596.21 | 595.50 | 595.26 | 595.10 | 595.03 | |
| 4 | 594.88 | 596.44 | 595.59 | 595.90 | 596.13 | 598.30 | 604.37 | 596.18 | 595.49 | 595.25 | 595.09 | 595.03 | |
| 5 | 594.89 | 596.27 | 595.57 | 595.91 | 596.08 | 598.12 | 602.72 | 596.12 | 595.49 | 595.25 | 595.08 | 595.03 | |
| 6 | 594.90 | 596.18 | 595.58 | 595.91 | 596.02 | 598.09 | 601.74 | 596.07 | 595.48 | 595.23 | 595.07 | 595.02 | |
| 7 | 594.92 | 595.90 | 595.55 | 595.73 | 596.00 | 597.95 | 601.21 | 596.03 | 595.47 | 595.22 | 595.06 | 595.02 | |
| 8 | 595.01 | 595.88 | 595.52 | 595.66 | 596.05 | 597.60 | 600.99 | 595.99 | 595.47 | 595.22 | 595.05 | 595.01 | |
| 9 | 594.99 | 595.76 | 595.49 | 595.51 | 598.14 | 597.10 | 602.20 | 595.92 | 595.46 | 595.21 | 595.05 | 595.00 | |
| 10 | 594.97 | 595.70 | 595.48 | 595.38 | 597.47 | 597.70 | 602.16 | 595.85 | 595.45 | 595.21 | 595.04 | 594.99 | |
| 11 | 594.93 | 595.67 | 595.45 | 595.38 | 596.70 | 601.58 | 601.67 | 595.82 | 595.44 | 595.20 | 595.04 | 594.98 | |
| 12 | 594.90 | 595.63 | 595.41 | 595.28 | 596.43 | 601.46 | 602.04 | 595.87 | 595.43 | 595.20 | 595.04 | 594.97 | |
| 13 | 594.88 | 595.72 | 595.36 | 595.25 | 596.36 | 599.23 | 601.37 | 595.91 | 595.42 | 595.19 | 595.03 | 594.96 | |
| 14 | 594.90 | 596.10 | 595.31 | 595.24 | 598.00 | 597.74 | 600.14 | 595.91 | 595.41 | 595.19 | 595.03 | 594.95 | |
| 15 | 594.90 | 596.47 | 595.28 | 595.32 | 598.34 | 597.37 | 599.12 | 595.89 | 595.41 | 595.19 | 595.02 | 594.94 | |
| 16 | 594.92 | 596.50 | 595.24 | 595.47 | 596.92 | 597.51 | 598.25 | 595.86 | 595.40 | 595.18 | 595.02 | 594.94 | |
| 17 | 594.99 | 595.56 | 595.23 | 595.55 | 597.74 | 599.13 | 597.95 | 595.84 | 595.39 | 595.18 | 595.01 | 594.92 | |
| 18 | 595.02 | 595.35 | 595.35 | 596.02 | 597.29 | 600.72 | 597.76 | 595.83 | 595.38 | 595.17 | 595.00 | 594.90 | |
| 19 | 595.30 | 595.31 | 595.58 | 595.97 | 597.07 | 600.52 | 597.58 | 595.81 | 595.37 | 595.17 | 595.00 | 594.89 | |
| 20 | 596.10 | 595.72 | 595.70 | 596.21 | 597.12 | 598.71 | 597.37 | 595.79 | 595.36 | 595.16 | 594.99 | 594.90 | |
| 21 | 596.01 | 597.84 | 595.67 | 596.65 | 596.87 | 598.50 | 597.17 | 595.77 | 595.35 | 595.16 | 594.99 | 594.89 | |
| 22 | 595.91 | 598.55 | 595.66 | 596.33 | 596.93 | 597.87 | 597.02 | 595.75 | 595.34 | 595.15 | 595.00 | 594.90 | |
| 23 | 596.60 | 597.90 | 595.75 | 596.27 | 597.95 | 598.07 | 596.97 | 595.74 | 595.33 | 595.15 | 595.00 | 594.90 | |
| 24 | 596.08 | 597.33 | 596.20 | 596.35 | 598.40 | 597.49 | 596.93 | 595.71 | 595.33 | 595.14 | 595.00 | 594.89 | |
| 25 | 596.79 | 598.24 | 596.56 | 596.40 | 598.24 | 597.16 | 596.83 | 595.70 | 595.32 | 595.14 | 595.00 | 594.89 | |
| 26 | 596.25 | 597.56 | 596.02 | 596.42 | 597.88 | 597.27 | 596.70 | 595.69 | 595.31 | 595.13 | 595.02 | 594.89 | |
| 27 | 596.36 | 597.65 | 596.04 | 596.54 | 597.79 | 598.03 | 596.59 | 595.67 | 595.29 | 595.13 | 595.03 | 594.88 | |
| 28 | 596.97 | 596.98 | 596.16 | 596.34 | 597.80 | 599.72 | 596.51 | 595.61 | 595.28 | 595.12 | 595.03 | 594.88 | |
| 29 | 597.13 | 596.82 | 596.69 | 596.41 | 598.23 | 601.37 | 596.43 | 595.56 | 595.27 | 595.12 | | 594.87 | |
| 30 | 597.54 | 596.41 | 596.43 | 596.61 | 598.28 | 602.27 | 596.36 | 595.54 | 595.27 | 595.12 | | 594.87 | |
| 31 | | 595.82 | | 596.69 | 599.54 | | 596.30 | | 595.26 | 595.11 | | 594.87 | |
| Mean | 595.53 | 596.55 | 595.69 | 595.94 | 597.26 | 598.88 | 599.22 | 595.87 | 595.39 | 595.18 | 595.04 | 594.94 | |
| Max | 597.54 | 598.55 | 596.69 | 596.69 | 599.54 | 602.27 | 604.37 | 596.24 | 595.52 | 595.26 | 595.11 | 595.03 | 604.37 |
| Min | 594.88 | 595.31 | 595.23 | 595.24 | 596.00 | 597.10 | 596.30 | 595.54 | 595.26 | 595.11 | 594.99 | 594.87 | 594.87 |

Annual Max Momentary Gage Height 604.96 m. (MSL.) , at 14.00 Hours , on Oct 4, 2006

Zero Gage at Bottom Elevation 593.92 m. (MSL.) , River Bed 594.17 m. (MSL.)

Left Bank Elevation 605.58 m. (MSL.) ,

Right Bank Elevation 605.61 m. (MSL.) , Drainage Are 352 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.30 | 14.30 | 1.96 | 2.56 | 6.84 | 63.30 | 75.96 | 4.70 | 1.48 | 0.92 | 0.62 | 0.46 | | |
| 2 | 0.30 | 12.20 | 1.88 | 2.96 | 5.40 | 37.93 | 47.05 | 4.65 | 1.48 | 0.92 | 0.62 | 0.46 | | |
| 3 | 0.31 | 9.50 | 1.38 | 2.96 | 4.60 | 30.65 | 70.12 | 4.55 | 1.40 | 0.92 | 0.60 | 0.46 | | |
| 4 | 0.28 | 5.70 | 1.76 | 3.00 | 4.15 | 22.00 | 202.05 | 4.40 | 1.38 | 0.90 | 0.58 | 0.46 | | |
| 5 | 0.29 | 4.85 | 1.68 | 3.05 | 3.90 | 20.20 | 112.30 | 4.10 | 1.38 | 0.90 | 0.56 | 0.46 | | |
| 6 | 0.30 | 4.40 | 1.72 | 3.05 | 3.60 | 19.90 | 78.44 | 3.85 | 1.36 | 0.86 | 0.54 | 0.44 | | |
| 7 | 0.32 | 3.00 | 1.60 | 2.32 | 3.50 | 18.50 | 64.62 | 3.65 | 1.34 | 0.84 | 0.52 | 0.44 | | |
| 8 | 0.42 | 2.92 | 1.48 | 2.04 | 3.75 | 15.00 | 59.81 | 3.45 | 1.34 | 0.84 | 0.50 | 0.42 | | |
| 9 | 0.39 | 2.44 | 1.38 | 1.44 | 20.40 | 10.40 | 93.50 | 3.10 | 1.32 | 0.82 | 0.50 | 0.40 | | |
| 10 | 0.37 | 2.20 | 1.36 | 1.16 | 13.73 | 16.00 | 92.10 | 2.80 | 1.30 | 0.82 | 0.48 | 0.39 | | |
| 11 | 0.33 | 2.08 | 1.30 | 1.16 | 7.40 | 73.48 | 76.27 | 2.68 | 1.28 | 0.80 | 0.48 | 0.38 | | |
| 12 | 0.30 | 1.92 | 1.22 | 0.96 | 5.65 | 70.12 | 87.90 | 2.88 | 1.26 | 0.80 | 0.48 | 0.37 | | |
| 13 | 0.28 | 2.28 | 1.12 | 0.90 | 5.30 | 32.99 | 68.14 | 3.05 | 1.24 | 0.78 | 0.46 | 0.36 | | |
| 14 | 0.30 | 4.00 | 1.02 | 0.88 | 19.00 | 16.40 | 45.10 | 3.05 | 1.22 | 0.78 | 0.46 | 0.35 | | |
| 15 | 0.30 | 5.85 | 0.96 | 1.04 | 22.40 | 12.83 | 31.56 | 2.96 | 1.22 | 0.78 | 0.44 | 0.34 | | |
| 16 | 0.32 | 6.00 | 0.88 | 1.34 | 8.94 | 14.10 | 21.50 | 2.84 | 1.20 | 0.76 | 0.44 | 0.34 | | |
| 17 | 0.39 | 1.64 | 0.86 | 1.60 | 16.40 | 31.69 | 18.50 | 2.76 | 1.18 | 0.76 | 0.42 | 0.32 | | |
| 18 | 0.44 | 1.10 | 1.10 | 3.60 | 12.11 | 54.68 | 16.60 | 2.72 | 1.16 | 0.74 | 0.40 | 0.30 | | |
| 19 | 1.00 | 1.02 | 1.72 | 3.35 | 10.13 | 50.88 | 14.80 | 2.64 | 1.14 | 0.74 | 0.40 | 0.29 | | |
| 20 | 4.00 | 2.28 | 2.20 | 4.55 | 10.58 | 26.52 | 12.83 | 2.56 | 1.12 | 0.72 | 0.39 | 0.30 | | |
| 21 | 3.55 | 17.40 | 2.08 | 7.05 | 8.59 | 24.00 | 11.03 | 2.48 | 1.10 | 0.72 | 0.39 | 0.29 | | |
| 22 | 3.05 | 24.60 | 2.04 | 5.15 | 9.01 | 17.70 | 9.68 | 2.40 | 1.08 | 0.70 | 0.40 | 0.30 | | |
| 23 | 6.70 | 18.00 | 2.40 | 4.85 | 18.50 | 19.70 | 9.29 | 2.36 | 1.06 | 0.70 | 0.40 | 0.30 | | |
| 24 | 3.90 | 12.47 | 4.50 | 5.25 | 23.00 | 13.91 | 9.01 | 2.24 | 1.06 | 0.68 | 0.40 | 0.29 | | |
| 25 | 8.03 | 21.40 | 6.42 | 5.50 | 21.40 | 10.94 | 8.31 | 2.20 | 1.04 | 0.68 | 0.40 | 0.29 | | |
| 26 | 4.75 | 14.60 | 3.60 | 5.60 | 17.80 | 11.93 | 7.40 | 2.16 | 1.02 | 0.66 | 0.44 | 0.29 | | |
| 27 | 5.30 | 15.50 | 3.70 | 6.28 | 16.90 | 19.30 | 6.63 | 2.08 | 0.98 | 0.66 | 0.46 | 0.28 | | |
| 28 | 9.29 | 9.36 | 4.30 | 5.20 | 17.00 | 39.36 | 6.07 | 1.84 | 0.96 | 0.64 | 0.46 | 0.28 | | |
| 29 | 10.67 | 8.24 | 7.33 | 5.55 | 21.30 | 68.14 | 5.65 | 1.64 | 0.94 | 0.64 | | 0.27 | | |
| 30 | 14.40 | 5.55 | 5.65 | 6.77 | 21.80 | 95.95 | 5.30 | 1.56 | 0.94 | 0.64 | | 0.27 | | |
| 31 | | 2.68 | | 7.33 | 37.02 | | 5.00 | | 0.92 | 0.62 | | 0.27 | | |
| Total | 80.58 | 239.48 | 70.60 | 108.45 | 400.10 | 958.50 | 1372.52 | 88.35 | 36.90 | 23.74 | 13.24 | 10.87 | 3403.33 | CMSDAY |
| Mean | 2.69 | 7.73 | 2.35 | 3.50 | 12.91 | 31.95 | 44.27 | 2.95 | 1.19 | 0.77 | 0.47 | 0.35 | 9.32 | CMS |
| Max | 14.40 | 24.60 | 7.33 | 7.33 | 37.02 | 95.95 | 202.05 | 4.70 | 1.48 | 0.92 | 0.62 | 0.46 | 202.05 | CMS |
| Min | 0.28 | 1.02 | 0.86 | 0.88 | 3.50 | 10.40 | 5.00 | 1.56 | 0.92 | 0.62 | 0.39 | 0.27 | 0.27 | CMS |
| Runoff | 6.96 | 20.69 | 6.10 | 9.37 | 34.57 | 82.81 | 118.59 | 7.63 | 3.19 | 2.05 | 1.14 | 0.94 | 294.05 | MCM |

Momentary Peak 244.00 CMS. at 604.96 m. (MSL.) at 14.00 Hours , on Oct 4, 2006

Runoff Yield 26.49 Liters/Second/Square KM. Momentary Peak Yield 693.18 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Nam Khao Man at Ban Kaeng Laen, Loei (Kh.96)

Lat 17 - 23 - 27 N Long 101 - 17 - 11 E

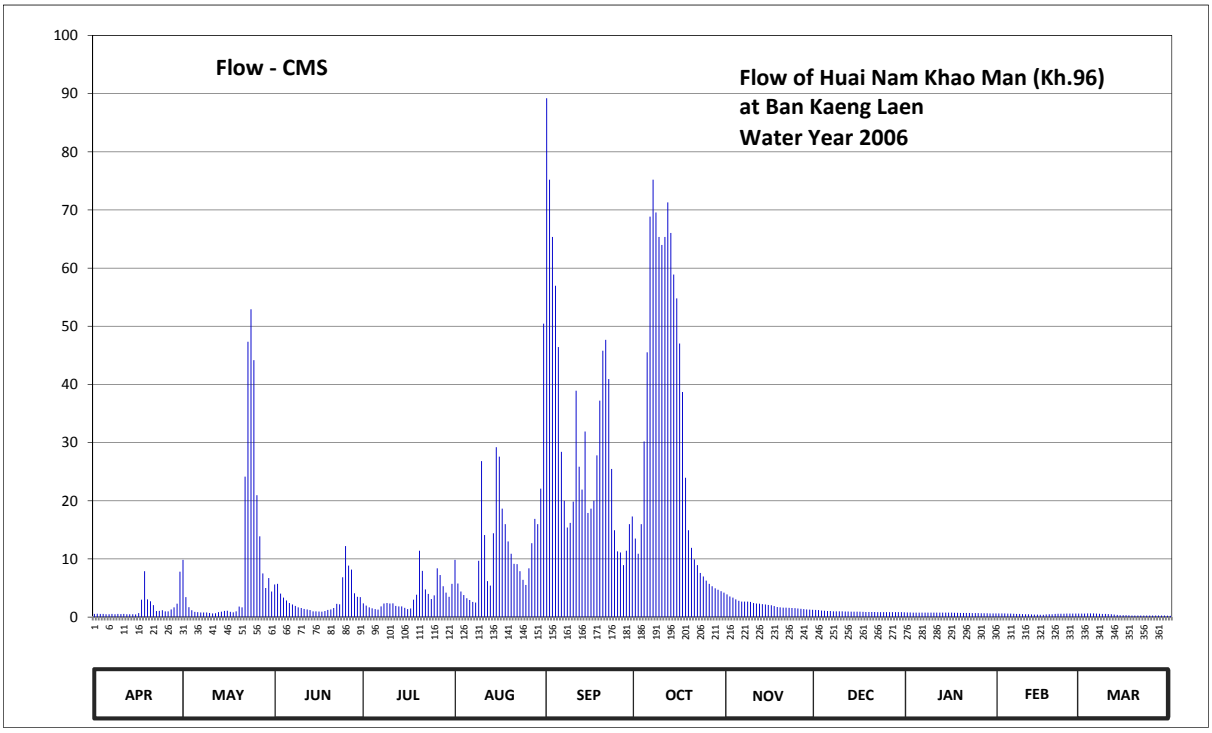
**Location : on left bank at the bridge of Amphoe Phu Rua - Amphoe Dan Sai Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Kaeng Laen | **Amphoe** Phu Rua | **Changwat** Loei |
| **Drainge Area** | 263 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +589.200 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank down side on the footpath of the bridge. | | **Elevation** +596.219 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1998 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1998 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1998 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 590.38 | 592.30 | 591.70 | 591.01 | 592.30 | 595.63 | 592.68 | 591.38 | 590.67 | 590.50 | 590.42 | 590.40 | |
| 2 | 590.39 | 591.29 | 591.72 | 590.89 | 591.73 | 595.28 | 592.42 | 591.31 | 590.66 | 590.50 | 590.42 | 590.40 | |
| 3 | 590.38 | 590.81 | 591.41 | 590.80 | 591.48 | 595.01 | 592.91 | 591.27 | 590.64 | 590.49 | 590.41 | 590.42 | |
| 4 | 590.37 | 590.65 | 591.27 | 590.75 | 591.36 | 594.76 | 593.76 | 591.21 | 590.63 | 590.49 | 590.40 | 590.42 | |
| 5 | 590.35 | 590.55 | 591.16 | 590.71 | 591.25 | 594.42 | 594.39 | 591.14 | 590.61 | 590.49 | 590.40 | 590.41 | |
| 6 | 590.34 | 590.52 | 591.03 | 590.69 | 591.18 | 593.67 | 595.11 | 591.10 | 590.61 | 590.49 | 590.39 | 590.40 | |
| 7 | 590.37 | 590.50 | 590.95 | 590.85 | 591.08 | 593.20 | 595.28 | 591.10 | 590.60 | 590.48 | 590.38 | 590.39 | |
| 8 | 590.35 | 590.50 | 590.88 | 591.00 | 591.05 | 592.86 | 595.13 | 591.10 | 590.59 | 590.48 | 590.37 | 590.38 | |
| 9 | 590.37 | 590.50 | 590.80 | 591.03 | 592.28 | 592.93 | 595.01 | 591.08 | 590.59 | 590.48 | 590.36 | 590.37 | |
| 10 | 590.36 | 590.45 | 590.77 | 591.00 | 593.59 | 593.19 | 594.97 | 591.03 | 590.59 | 590.48 | 590.35 | 590.36 | |
| 11 | 590.37 | 590.42 | 590.72 | 591.01 | 592.74 | 594.14 | 595.01 | 591.00 | 590.58 | 590.48 | 590.34 | 590.35 | |
| 12 | 590.35 | 590.43 | 590.70 | 590.88 | 591.80 | 593.54 | 595.18 | 590.99 | 590.58 | 590.48 | 590.33 | 590.32 | |
| 13 | 590.34 | 590.52 | 590.66 | 590.85 | 591.67 | 593.32 | 595.03 | 590.97 | 590.57 | 590.48 | 590.32 | 590.29 | |
| 14 | 590.34 | 590.56 | 590.60 | 590.85 | 592.77 | 593.84 | 594.82 | 590.95 | 590.57 | 590.48 | 590.32 | 590.27 | |
| 15 | 590.33 | 590.62 | 590.60 | 590.78 | 593.71 | 593.06 | 594.69 | 590.93 | 590.56 | 590.48 | 590.31 | 590.26 | |
| 16 | 590.44 | 590.63 | 590.58 | 590.71 | 593.63 | 593.11 | 594.44 | 590.91 | 590.56 | 590.48 | 590.31 | 590.26 | |
| 17 | 591.20 | 590.55 | 590.57 | 590.74 | 593.11 | 593.20 | 594.13 | 590.87 | 590.55 | 590.47 | 590.33 | 590.25 | |
| 18 | 592.05 | 590.51 | 590.61 | 591.20 | 592.91 | 593.64 | 593.44 | 590.82 | 590.54 | 590.47 | 590.34 | 590.23 | |
| 19 | 591.21 | 590.60 | 590.67 | 591.37 | 592.63 | 594.07 | 592.82 | 590.80 | 590.54 | 590.46 | 590.35 | 590.23 | |
| 20 | 591.12 | 590.84 | 590.70 | 592.47 | 592.42 | 594.40 | 592.52 | 590.79 | 590.54 | 590.46 | 590.37 | 590.24 | |
| 21 | 590.92 | 590.80 | 590.77 | 592.06 | 592.22 | 594.46 | 592.31 | 590.79 | 590.54 | 590.45 | 590.39 | 590.24 | |
| 22 | 590.61 | 593.45 | 590.98 | 591.55 | 592.21 | 594.22 | 592.19 | 590.78 | 590.53 | 590.45 | 590.39 | 590.24 | |
| 23 | 590.62 | 594.45 | 590.96 | 591.40 | 592.05 | 593.52 | 592.01 | 590.77 | 590.53 | 590.44 | 590.39 | 590.24 | |
| 24 | 590.65 | 594.63 | 591.90 | 591.22 | 591.83 | 592.82 | 591.92 | 590.76 | 590.53 | 590.44 | 590.40 | 590.23 | |
| 25 | 590.60 | 594.34 | 592.55 | 591.35 | 591.69 | 592.46 | 591.81 | 590.74 | 590.53 | 590.44 | 590.40 | 590.23 | |
| 26 | 590.60 | 593.26 | 592.18 | 592.12 | 592.12 | 592.44 | 591.72 | 590.73 | 590.53 | 590.43 | 590.40 | 590.23 | |
| 27 | 590.70 | 592.72 | 592.09 | 591.96 | 592.60 | 592.19 | 591.65 | 590.71 | 590.52 | 590.43 | 590.40 | 590.23 | |
| 28 | 590.80 | 592.00 | 591.42 | 591.65 | 592.99 | 592.47 | 591.59 | 590.70 | 590.52 | 590.43 | 590.40 | 590.23 | |
| 29 | 590.99 | 591.60 | 591.30 | 591.44 | 592.91 | 592.91 | 591.54 | 590.69 | 590.52 | 590.42 | | 590.23 | |
| 30 | 592.04 | 591.88 | 591.29 | 591.30 | 593.33 | 593.02 | 591.49 | 590.68 | 590.52 | 590.42 | | 590.22 | |
| 31 | | 591.48 | | 591.72 | 594.55 | | 591.44 | | 590.51 | 590.42 | | 590.21 | |
| Mean | 590.66 | 591.43 | 591.12 | 591.21 | 592.36 | 593.59 | 593.34 | 590.94 | 590.57 | 590.46 | 590.37 | 590.30 | |
| Max | 592.05 | 594.63 | 592.55 | 592.47 | 594.55 | 595.63 | 595.28 | 591.38 | 590.67 | 590.50 | 590.42 | 590.42 | 595.63 |
| Min | 590.33 | 590.42 | 590.57 | 590.69 | 591.05 | 592.19 | 591.44 | 590.68 | 590.51 | 590.42 | 590.31 | 590.21 | 590.21 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 595.80 | m. (MSL.) , | at 12.00 Hours , on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 589.20 | m. (MSL.) , | River Bed | 589.98 | m. (MSL.) |
| Left Bank Elevation | 597.49 | m. (MSL.) , | | | |
| Right Bank Elevation | 598.29 | m. (MSL.) , | Drainage Are | 263 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.56 | 9.85 | 5.60 | 2.37 | 9.85 | 89.20 | 13.50 | 3.90 | 1.23 | 0.80 | 0.64 | 0.60 | | |
| 2 | 0.58 | 3.45 | 5.72 | 1.97 | 5.78 | 75.20 | 10.90 | 3.55 | 1.20 | 0.80 | 0.64 | 0.60 | | |
| 3 | 0.56 | 1.70 | 4.05 | 1.67 | 4.40 | 65.35 | 15.97 | 3.35 | 1.13 | 0.78 | 0.62 | 0.64 | | |
| 4 | 0.54 | 1.17 | 3.35 | 1.50 | 3.80 | 56.96 | 30.20 | 3.05 | 1.10 | 0.78 | 0.60 | 0.64 | | |
| 5 | 0.50 | 0.90 | 2.87 | 1.37 | 3.25 | 46.42 | 45.53 | 2.80 | 1.03 | 0.78 | 0.60 | 0.62 | | |
| 6 | 0.48 | 0.84 | 2.43 | 1.30 | 2.93 | 28.40 | 68.85 | 2.67 | 1.03 | 0.78 | 0.58 | 0.60 | | |
| 7 | 0.54 | 0.80 | 2.17 | 1.83 | 2.60 | 20.00 | 75.20 | 2.67 | 1.00 | 0.76 | 0.56 | 0.58 | | |
| 8 | 0.50 | 0.80 | 1.93 | 2.33 | 2.50 | 15.39 | 69.55 | 2.67 | 0.98 | 0.76 | 0.54 | 0.56 | | |
| 9 | 0.54 | 0.80 | 1.67 | 2.43 | 9.68 | 16.20 | 65.35 | 2.60 | 0.98 | 0.76 | 0.52 | 0.54 | | |
| 10 | 0.52 | 0.70 | 1.57 | 2.33 | 26.81 | 19.85 | 63.98 | 2.43 | 0.98 | 0.76 | 0.50 | 0.52 | | |
| 11 | 0.54 | 0.64 | 1.40 | 2.37 | 14.10 | 38.93 | 65.35 | 2.33 | 0.96 | 0.76 | 0.48 | 0.50 | | |
| 12 | 0.50 | 0.66 | 1.33 | 1.93 | 6.20 | 25.86 | 71.30 | 2.30 | 0.96 | 0.76 | 0.46 | 0.44 | | |
| 13 | 0.48 | 0.84 | 1.20 | 1.83 | 5.42 | 21.92 | 66.05 | 2.23 | 0.94 | 0.76 | 0.44 | 0.38 | | |
| 14 | 0.48 | 0.92 | 1.00 | 1.83 | 14.40 | 31.90 | 58.88 | 2.17 | 0.94 | 0.76 | 0.44 | 0.34 | | |
| 15 | 0.46 | 1.07 | 1.00 | 1.60 | 29.20 | 17.90 | 54.79 | 2.10 | 0.92 | 0.76 | 0.42 | 0.32 | | |
| 16 | 0.68 | 1.10 | 0.96 | 1.37 | 27.60 | 18.65 | 47.04 | 2.03 | 0.92 | 0.76 | 0.42 | 0.32 | | |
| 17 | 3.00 | 0.90 | 0.94 | 1.47 | 18.65 | 20.00 | 38.69 | 1.90 | 0.90 | 0.74 | 0.46 | 0.30 | | |
| 18 | 7.88 | 0.82 | 1.03 | 3.00 | 15.97 | 27.80 | 23.96 | 1.73 | 0.88 | 0.74 | 0.48 | 0.26 | | |
| 19 | 3.05 | 1.00 | 1.23 | 3.85 | 13.00 | 37.22 | 14.93 | 1.67 | 0.88 | 0.72 | 0.50 | 0.26 | | |
| 20 | 2.73 | 1.80 | 1.33 | 11.40 | 10.90 | 45.80 | 11.90 | 1.63 | 0.88 | 0.72 | 0.54 | 0.28 | | |
| 21 | 2.07 | 1.67 | 1.57 | 7.95 | 9.17 | 47.66 | 9.94 | 1.63 | 0.88 | 0.70 | 0.58 | 0.28 | | |
| 22 | 1.03 | 24.15 | 2.27 | 4.75 | 9.09 | 40.94 | 8.93 | 1.60 | 0.86 | 0.70 | 0.58 | 0.28 | | |
| 23 | 1.07 | 47.35 | 2.20 | 4.00 | 7.88 | 25.48 | 7.58 | 1.57 | 0.86 | 0.68 | 0.58 | 0.28 | | |
| 24 | 1.17 | 52.93 | 6.85 | 3.10 | 6.40 | 14.93 | 6.98 | 1.53 | 0.86 | 0.68 | 0.60 | 0.26 | | |
| 25 | 1.00 | 44.18 | 12.20 | 3.75 | 5.54 | 11.30 | 6.27 | 1.47 | 0.86 | 0.68 | 0.60 | 0.26 | | |
| 26 | 1.00 | 20.96 | 8.85 | 8.40 | 8.40 | 11.10 | 5.72 | 1.43 | 0.86 | 0.66 | 0.60 | 0.26 | | |
| 27 | 1.33 | 13.90 | 8.18 | 7.24 | 12.70 | 8.93 | 5.30 | 1.37 | 0.84 | 0.66 | 0.60 | 0.26 | | |
| 28 | 1.67 | 7.50 | 4.10 | 5.30 | 16.89 | 11.40 | 4.95 | 1.33 | 0.84 | 0.66 | 0.60 | 0.26 | | |
| 29 | 2.30 | 5.00 | 3.50 | 4.20 | 15.97 | 15.97 | 4.70 | 1.30 | 0.84 | 0.64 | | 0.26 | | |
| 30 | 7.80 | 6.72 | 3.45 | 3.50 | 22.08 | 17.30 | 4.45 | 1.27 | 0.84 | 0.64 | | 0.24 | | |
| 31 | | 4.40 | | 5.72 | 50.45 | | 4.20 | | 0.82 | 0.64 | | 0.22 | | |
| Total | 45.56 | 259.52 | 95.95 | 107.66 | 391.61 | 923.96 | 980.94 | 64.28 | 29.20 | 22.58 | 15.18 | 12.16 | 2948.60 | CMSDAY |
| Mean | 1.52 | 8.37 | 3.20 | 3.47 | 12.63 | 30.80 | 31.64 | 2.14 | 0.94 | 0.73 | 0.54 | 0.39 | 8.08 | CMS |
| Max | 7.88 | 52.93 | 12.20 | 11.40 | 50.45 | 89.20 | 75.20 | 3.90 | 1.23 | 0.80 | 0.64 | 0.64 | 89.20 | CMS |
| Min | 0.46 | 0.64 | 0.94 | 1.30 | 2.50 | 8.93 | 4.20 | 1.27 | 0.82 | 0.64 | 0.42 | 0.22 | 0.22 | CMS |
| Runoff | 3.94 | 22.42 | 8.29 | 9.30 | 33.84 | 79.83 | 84.75 | 5.55 | 2.52 | 1.95 | 1.31 | 1.05 | 254.76 | MCM |

Momentary Peak 96.00 CMS. at 595.80 m. (MSL.) at 12.00 Hours , on Sep 1, 2006

Runoff Yield 30.72 Liters/Second/Square KM. Momentary Peak Yield 365.02 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Bang Sai at Ban Bang Sai , Mukdahan (Kh.99A)

Lat 16 - 42 - 05 N Long 104 - 14 - 46 E

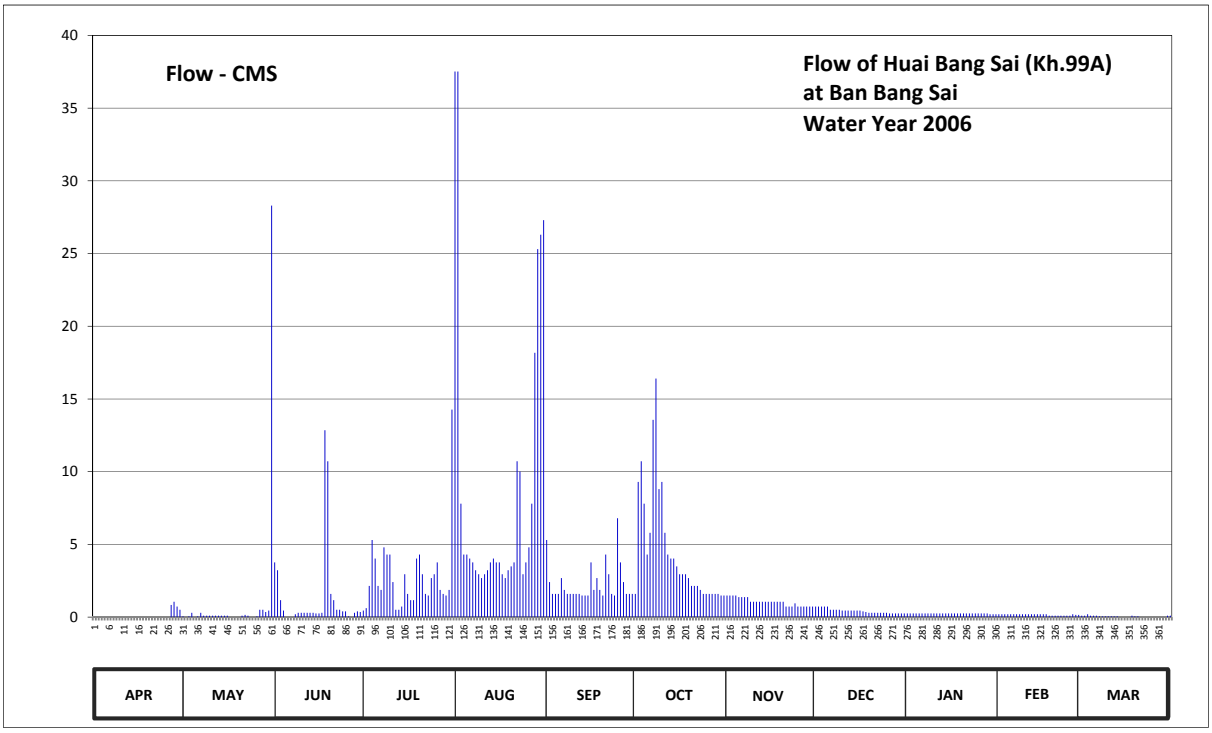
**Location : on right bank at Ban Bang Sai**

| | | | |
|---|---|---|---|
| | **Ban** Bang Sai | **Amphoe** Dong Luang | **Changwat** Mukdahan |
| **Drainge Area** | 115 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +248.500 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On right bank near the gage site. | | **Elevation** +255.082 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings. | | |
| **Period of Available Gage Records** | 2005 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2005 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2005 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 250.80 | 250.81 | 251.08 | 250.89 | 251.52 | 251.12 | 251.00 | 250.99 | 250.92 | 250.85 | 250.84 | 250.82 | |
| 2 | 250.80 | 250.79 | 251.06 | 250.91 | 251.52 | 251.03 | 251.20 | 250.99 | 250.92 | 250.85 | 250.84 | 250.82 | |
| 3 | 250.80 | 250.81 | 250.96 | 251.02 | 251.17 | 251.00 | 251.22 | 250.99 | 250.92 | 250.85 | 250.84 | 250.84 | |
| 4 | 250.79 | 250.86 | 250.89 | 251.12 | 251.10 | 251.00 | 251.17 | 250.99 | 250.92 | 250.85 | 250.84 | 250.82 | |
| 5 | 250.79 | 250.80 | 250.80 | 251.09 | 251.10 | 251.00 | 251.10 | 250.98 | 250.92 | 250.85 | 250.84 | 250.82 | |
| 6 | 250.80 | 250.81 | 250.80 | 251.02 | 251.09 | 251.04 | 251.13 | 250.98 | 250.90 | 250.85 | 250.84 | 250.82 | |
| 7 | 250.80 | 250.86 | 250.80 | 251.01 | 251.08 | 251.01 | 251.26 | 250.98 | 250.90 | 250.85 | 250.84 | 250.81 | |
| 8 | 250.80 | 250.82 | 250.84 | 251.11 | 251.06 | 251.00 | 251.30 | 250.98 | 250.90 | 250.85 | 250.84 | 250.81 | |
| 9 | 250.80 | 250.82 | 250.86 | 251.10 | 251.05 | 251.00 | 251.19 | 250.95 | 250.90 | 250.85 | 250.84 | 250.81 | |
| 10 | 250.80 | 250.82 | 250.86 | 251.10 | 251.04 | 251.00 | 251.20 | 250.95 | 250.89 | 250.85 | 250.84 | 250.81 | |
| 11 | 250.80 | 250.82 | 250.86 | 251.03 | 251.05 | 251.00 | 251.13 | 250.95 | 250.89 | 250.85 | 250.84 | 250.81 | |
| 12 | 250.80 | 250.82 | 250.86 | 250.90 | 251.06 | 251.00 | 251.10 | 250.95 | 250.89 | 250.85 | 250.84 | 250.81 | |
| 13 | 250.80 | 250.82 | 250.86 | 250.90 | 251.08 | 250.99 | 251.09 | 250.95 | 250.89 | 250.85 | 250.84 | 250.81 | |
| 14 | 250.80 | 250.82 | 250.86 | 250.92 | 251.09 | 250.99 | 251.09 | 250.95 | 250.89 | 250.85 | 250.84 | 250.80 | |
| 15 | 250.80 | 250.82 | 250.85 | 251.05 | 251.08 | 250.99 | 251.07 | 250.95 | 250.89 | 250.85 | 250.84 | 250.80 | |
| 16 | 250.80 | 250.82 | 250.85 | 251.00 | 251.08 | 251.08 | 251.05 | 250.95 | 250.89 | 250.85 | 250.84 | 250.80 | |
| 17 | 250.80 | 250.80 | 250.86 | 250.96 | 251.05 | 251.01 | 251.05 | 250.95 | 250.88 | 250.85 | 250.84 | 250.80 | |
| 18 | 250.80 | 250.80 | 251.25 | 250.96 | 251.04 | 251.04 | 251.05 | 250.95 | 250.87 | 250.85 | 250.82 | 250.82 | |
| 19 | 250.80 | 250.80 | 251.22 | 251.09 | 251.06 | 251.01 | 251.04 | 250.95 | 250.86 | 250.85 | 250.82 | 250.81 | |
| 20 | 250.80 | 250.80 | 251.00 | 251.10 | 251.07 | 250.99 | 251.02 | 250.95 | 250.86 | 250.85 | 250.82 | 250.81 | |
| 21 | 250.80 | 250.82 | 250.96 | 251.05 | 251.08 | 251.10 | 251.02 | 250.92 | 250.86 | 250.85 | 250.82 | 250.80 | |
| 22 | 250.80 | 250.83 | 250.90 | 251.00 | 251.22 | 251.05 | 251.02 | 250.92 | 250.86 | 250.85 | 250.82 | 250.80 | |
| 23 | 250.80 | 250.82 | 250.90 | 250.99 | 251.21 | 251.00 | 251.01 | 250.92 | 250.86 | 250.85 | 250.82 | 250.80 | |
| 24 | 250.80 | 250.80 | 250.88 | 251.04 | 251.05 | 250.99 | 251.00 | 250.94 | 250.86 | 250.85 | 250.82 | 250.80 | |
| 25 | 250.80 | 250.80 | 250.88 | 251.05 | 251.08 | 251.15 | 251.00 | 250.92 | 250.86 | 250.85 | 250.82 | 250.80 | |
| 26 | 250.80 | 250.81 | 250.81 | 251.08 | 251.11 | 251.08 | 251.00 | 250.92 | 250.85 | 250.85 | 250.84 | 250.80 | |
| 27 | 250.93 | 250.90 | 250.80 | 251.01 | 251.17 | 251.03 | 251.00 | 250.92 | 250.85 | 250.85 | 250.83 | 250.80 | |
| 28 | 250.95 | 250.90 | 250.86 | 251.00 | 251.32 | 251.00 | 251.00 | 250.92 | 250.85 | 250.85 | 250.83 | 250.80 | |
| 29 | 250.92 | 250.87 | 250.88 | 250.99 | 251.40 | 251.00 | 251.00 | 250.92 | 250.85 | 250.84 | | 250.80 | |
| 30 | 250.90 | 250.89 | 250.87 | 251.01 | 251.41 | 251.00 | 250.99 | 250.92 | 250.85 | 250.84 | | 250.82 | |
| 31 | | 251.43 | | 251.27 | 251.42 | | 250.99 | | 250.85 | 250.84 | | 250.82 | |
| Mean | 250.82 | 250.84 | 250.91 | 251.02 | 251.16 | 251.02 | 251.08 | 250.95 | 250.88 | 250.85 | 250.83 | 250.81 | |
| Max | 250.95 | 251.43 | 251.25 | 251.27 | 251.52 | 251.15 | 251.30 | 250.99 | 250.92 | 250.85 | 250.84 | 250.84 | 251.52 |
| Min | 250.79 | 250.79 | 250.80 | 250.89 | 251.04 | 250.99 | 250.99 | 250.92 | 250.85 | 250.84 | 250.82 | 250.80 | 250.79 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 251.60 | m. (MSL.) , | at 12.00 Hours , on Aug 1 , 2006 | | |
| Zero Gage at Bottom Elevation | 248.50 | m. (MSL.) , | River Bed | 250.84 | m. (MSL.) |
| Left Bank Elevation | 257.35 | m. (MSL.) , | | | |
| Right Bank Elevation | 257.65 | m. (MSL.) , | Drainage Are | 115 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.05 | 3.76 | 0.45 | 37.52 | 5.30 | 1.60 | 1.49 | 0.72 | 0.25 | 0.20 | 0.10 | | |
| 2 | 0.00 | 0.00 | 3.22 | 0.61 | 37.52 | 2.41 | 9.30 | 1.49 | 0.72 | 0.25 | 0.20 | 0.10 | | |
| 3 | 0.00 | 0.05 | 1.16 | 2.14 | 7.80 | 1.60 | 10.72 | 1.49 | 0.72 | 0.25 | 0.20 | 0.20 | | |
| 4 | 0.00 | 0.30 | 0.45 | 5.30 | 4.30 | 1.60 | 7.80 | 1.49 | 0.72 | 0.25 | 0.20 | 0.10 | | |
| 5 | 0.00 | 0.00 | 0.00 | 4.03 | 4.30 | 1.60 | 4.30 | 1.38 | 0.72 | 0.25 | 0.20 | 0.10 | | |
| 6 | 0.00 | 0.05 | 0.00 | 2.14 | 4.03 | 2.68 | 5.80 | 1.38 | 0.50 | 0.25 | 0.20 | 0.10 | | |
| 7 | 0.00 | 0.30 | 0.00 | 1.87 | 3.76 | 1.87 | 13.56 | 1.38 | 0.50 | 0.25 | 0.20 | 0.05 | | |
| 8 | 0.00 | 0.10 | 0.20 | 4.80 | 3.22 | 1.60 | 16.40 | 1.38 | 0.50 | 0.25 | 0.20 | 0.05 | | |
| 9 | 0.00 | 0.10 | 0.30 | 4.30 | 2.95 | 1.60 | 8.80 | 1.05 | 0.50 | 0.25 | 0.20 | 0.05 | | |
| 10 | 0.00 | 0.10 | 0.30 | 4.30 | 2.68 | 1.60 | 9.30 | 1.05 | 0.45 | 0.25 | 0.20 | 0.05 | | |
| 11 | 0.00 | 0.10 | 0.30 | 2.41 | 2.95 | 1.60 | 5.80 | 1.05 | 0.45 | 0.25 | 0.20 | 0.05 | | |
| 12 | 0.00 | 0.10 | 0.30 | 0.50 | 3.22 | 1.60 | 4.30 | 1.05 | 0.45 | 0.25 | 0.20 | 0.05 | | |
| 13 | 0.00 | 0.10 | 0.30 | 0.50 | 3.76 | 1.49 | 4.03 | 1.05 | 0.45 | 0.25 | 0.20 | 0.05 | | |
| 14 | 0.00 | 0.10 | 0.30 | 0.72 | 4.03 | 1.49 | 4.03 | 1.05 | 0.45 | 0.25 | 0.20 | 0.00 | | |
| 15 | 0.00 | 0.10 | 0.25 | 2.95 | 3.76 | 1.49 | 3.49 | 1.05 | 0.45 | 0.25 | 0.20 | 0.00 | | |
| 16 | 0.00 | 0.10 | 0.25 | 1.60 | 3.76 | 3.76 | 2.95 | 1.05 | 0.45 | 0.25 | 0.20 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.30 | 1.16 | 2.95 | 1.87 | 2.95 | 1.05 | 0.40 | 0.25 | 0.20 | 0.00 | | |
| 18 | 0.00 | 0.00 | 12.85 | 1.16 | 2.68 | 2.68 | 2.95 | 1.05 | 0.35 | 0.25 | 0.10 | 0.10 | | |
| 19 | 0.00 | 0.00 | 10.72 | 4.03 | 3.22 | 1.87 | 2.68 | 1.05 | 0.30 | 0.25 | 0.10 | 0.05 | | |
| 20 | 0.00 | 0.00 | 1.60 | 4.30 | 3.49 | 1.49 | 2.14 | 1.05 | 0.30 | 0.25 | 0.10 | 0.05 | | |
| 21 | 0.00 | 0.10 | 1.16 | 2.95 | 3.76 | 4.30 | 2.14 | 0.72 | 0.30 | 0.25 | 0.10 | 0.00 | | |
| 22 | 0.00 | 0.15 | 0.50 | 1.60 | 10.72 | 2.95 | 2.14 | 0.72 | 0.30 | 0.25 | 0.10 | 0.00 | | |
| 23 | 0.00 | 0.10 | 0.50 | 1.49 | 10.01 | 1.60 | 1.87 | 0.72 | 0.30 | 0.25 | 0.10 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.40 | 2.68 | 2.95 | 1.49 | 1.60 | 0.94 | 0.30 | 0.25 | 0.10 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.40 | 2.95 | 3.76 | 6.80 | 1.60 | 0.72 | 0.30 | 0.25 | 0.10 | 0.00 | | |
| 26 | 0.00 | 0.05 | 0.05 | 3.76 | 4.80 | 3.76 | 1.60 | 0.72 | 0.25 | 0.25 | 0.20 | 0.00 | | |
| 27 | 0.83 | 0.50 | 0.00 | 1.87 | 7.80 | 2.41 | 1.60 | 0.72 | 0.25 | 0.25 | 0.15 | 0.00 | | |
| 28 | 1.05 | 0.50 | 0.30 | 1.60 | 18.18 | 1.60 | 1.60 | 0.72 | 0.25 | 0.25 | 0.15 | 0.00 | | |
| 29 | 0.72 | 0.35 | 0.40 | 1.49 | 25.30 | 1.60 | 1.60 | 0.72 | 0.25 | 0.20 | | 0.00 | | |
| 30 | 0.50 | 0.45 | 0.35 | 1.87 | 26.30 | 1.60 | 1.49 | 0.72 | 0.25 | 0.20 | | 0.10 | | |
| 31 | | 28.30 | | 14.27 | 27.30 | | 1.49 | | 0.25 | 0.20 | | 0.10 | | |
| Total | 3.10 | 32.15 | 40.62 | 85.80 | 282.78 | 69.31 | 141.63 | 31.50 | 13.10 | 7.60 | 4.70 | 1.45 | 713.74 | CMSDAY |
| Mean | 0.10 | 1.04 | 1.35 | 2.77 | 9.12 | 2.31 | 4.57 | 1.05 | 0.42 | 0.25 | 0.17 | 0.05 | 1.96 | CMS |
| Max | 1.05 | 28.30 | 12.85 | 14.27 | 37.52 | 6.80 | 16.40 | 1.49 | 0.72 | 0.25 | 0.20 | 0.20 | 37.52 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.45 | 2.68 | 1.49 | 1.49 | 0.72 | 0.25 | 0.20 | 0.10 | 0.00 | 0.00 | CMS |
| Runoff | 0.27 | 2.78 | 3.51 | 7.41 | 24.43 | 5.99 | 12.24 | 2.72 | 1.13 | 0.66 | 0.41 | 0.13 | 61.67 | MCM |

Momentary Peak 46.40 CMS. at 251.60 m. (MSL.) at 12.00 Hours , on Aug 1 , 2006

Runoff Yield 17.00 Liters/Second/Square KM. Momentary Peak Yield 403.48 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Muk at Ban Kaen Tao , Mukdahan (Kh.101)

Lat 16 - 35 - 07 N Long 104 - 37 - 13 E

**Location : on right bank at the bridge of Amphoe Dong Luang - Muk Dahan Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Kaen Tao | **Amphoe** Mueang | **Changwat** Mukdahan |
| **Drainge Area** | 414 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +136.900 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank about 1 meter from the top staff gage. | | **Elevation** +146.237 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings. | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 15 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

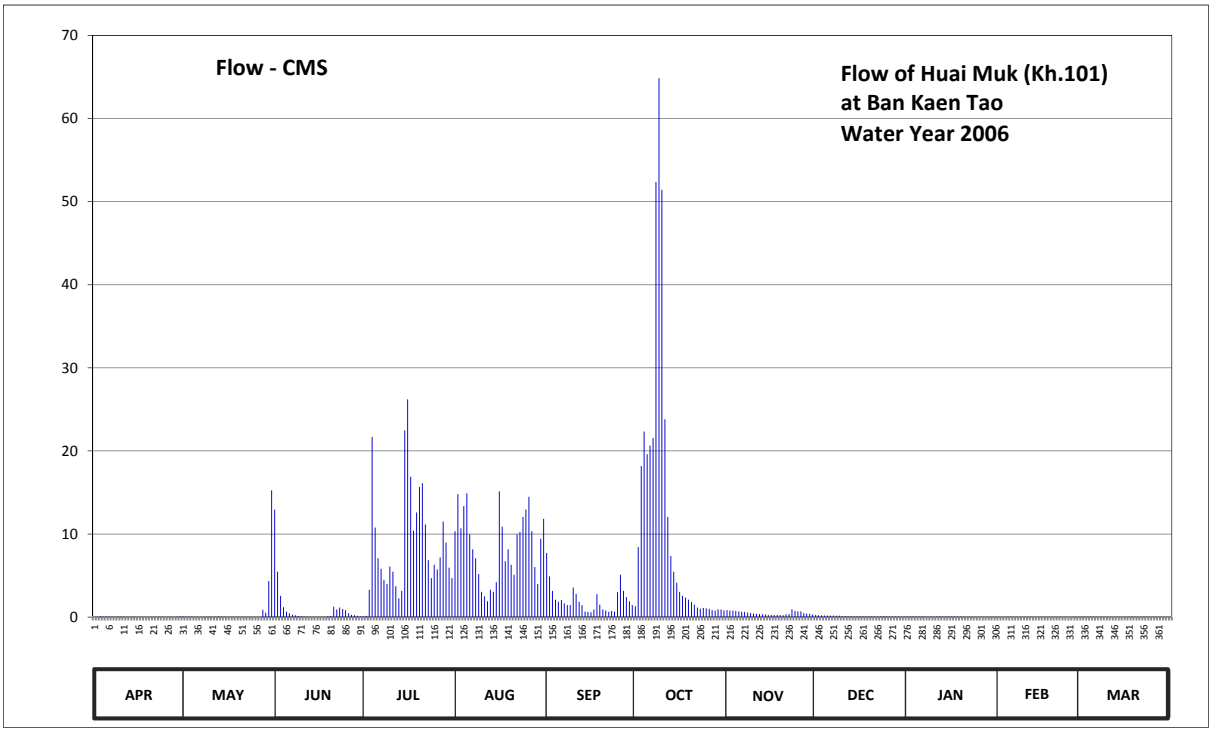
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 137.40 | 137.47 | 139.63 | 137.50 | 139.37 | 139.08 | 138.06 | 137.94 | 137.66 | 137.46 | 137.40 | 137.43 | |
| 2 | 137.42 | 137.44 | 138.78 | 137.56 | 139.80 | 138.70 | 139.16 | 137.91 | 137.63 | 137.46 | 137.40 | 137.43 | |
| 3 | 137.49 | 137.43 | 138.31 | 138.46 | 139.41 | 138.43 | 140.09 | 137.91 | 137.61 | 137.47 | 137.40 | 137.42 | |
| 4 | 137.46 | 137.43 | 138.04 | 140.36 | 139.67 | 138.22 | 140.41 | 137.90 | 137.60 | 137.46 | 137.42 | 137.43 | |
| 5 | 137.45 | 137.41 | 137.86 | 139.42 | 139.81 | 138.17 | 140.20 | 137.88 | 137.59 | 137.46 | 137.41 | 137.42 | |
| 6 | 137.45 | 137.41 | 137.78 | 139.01 | 139.33 | 138.21 | 140.28 | 137.86 | 137.59 | 137.45 | 137.40 | 137.40 | |
| 7 | 137.43 | 137.39 | 137.69 | 138.83 | 139.13 | 138.13 | 140.35 | 137.85 | 137.59 | 137.44 | 137.40 | 137.40 | |
| 8 | 137.42 | 137.41 | 137.62 | 138.64 | 139.01 | 138.09 | 142.23 | 137.81 | 137.58 | 137.44 | 137.39 | 137.39 | |
| 9 | 137.46 | 137.41 | 137.54 | 138.57 | 138.74 | 138.09 | 142.85 | 137.79 | 137.57 | 137.43 | 137.39 | 137.39 | |
| 10 | 137.43 | 137.44 | 137.49 | 138.87 | 138.41 | 138.51 | 142.18 | 137.77 | 137.53 | 137.44 | 137.40 | 137.39 | |
| 11 | 137.43 | 137.42 | 137.45 | 138.78 | 138.30 | 138.36 | 140.52 | 137.75 | 137.51 | 137.48 | 137.40 | 137.39 | |
| 12 | 137.40 | 137.42 | 137.43 | 138.53 | 138.18 | 138.17 | 139.55 | 137.73 | 137.50 | 137.47 | 137.39 | 137.40 | |
| 13 | 137.40 | 137.47 | 137.41 | 138.25 | 138.46 | 138.09 | 139.04 | 137.72 | 137.49 | 137.46 | 137.39 | 137.40 | |
| 14 | 137.41 | 137.43 | 137.40 | 138.43 | 138.41 | 137.87 | 138.78 | 137.71 | 137.48 | 137.45 | 137.39 | 137.40 | |
| 15 | 137.40 | 137.41 | 137.39 | 140.42 | 138.60 | 137.85 | 138.59 | 137.67 | 137.48 | 137.45 | 137.39 | 137.39 | |
| 16 | 137.40 | 137.39 | 137.39 | 140.68 | 139.83 | 137.83 | 138.41 | 137.66 | 137.47 | 137.45 | 137.37 | 137.39 | |
| 17 | 137.39 | 137.38 | 137.42 | 139.99 | 139.43 | 137.96 | 138.31 | 137.66 | 137.47 | 137.45 | 137.40 | 137.39 | |
| 18 | 137.39 | 137.37 | 137.42 | 139.38 | 138.96 | 138.35 | 138.27 | 137.66 | 137.47 | 137.44 | 137.40 | 137.43 | |
| 19 | 137.39 | 137.37 | 137.50 | 139.60 | 139.13 | 138.10 | 138.22 | 137.65 | 137.48 | 137.44 | 137.40 | 137.42 | |
| 20 | 137.39 | 137.37 | 137.56 | 139.88 | 138.90 | 137.97 | 138.16 | 137.63 | 137.48 | 137.43 | 137.39 | 137.41 | |
| 21 | 137.38 | 137.38 | 138.05 | 139.92 | 138.73 | 137.92 | 138.10 | 137.71 | 137.47 | 137.42 | 137.39 | 137.41 | |
| 22 | 137.38 | 137.38 | 137.97 | 139.46 | 139.33 | 137.85 | 138.03 | 137.73 | 137.46 | 137.41 | 137.40 | 137.41 | |
| 23 | 137.37 | 137.39 | 138.03 | 138.98 | 139.36 | 137.89 | 138.00 | 137.98 | 137.47 | 137.41 | 137.40 | 137.39 | |
| 24 | 137.39 | 137.41 | 137.99 | 138.67 | 139.55 | 137.87 | 138.02 | 137.89 | 137.49 | 137.40 | 137.39 | 137.39 | |
| 25 | 137.39 | 137.39 | 137.93 | 138.90 | 139.63 | 138.40 | 138.01 | 137.88 | 137.49 | 137.39 | 137.39 | 137.39 | |
| 26 | 137.38 | 137.39 | 137.78 | 138.82 | 139.77 | 138.73 | 138.00 | 137.88 | 137.45 | 137.39 | 137.42 | 137.39 | |
| 27 | 137.38 | 137.40 | 137.66 | 139.02 | 139.37 | 138.43 | 137.94 | 137.79 | 137.45 | 137.39 | 137.42 | 137.39 | |
| 28 | 137.38 | 137.95 | 137.63 | 139.50 | 138.86 | 138.28 | 137.91 | 137.76 | 137.45 | 137.41 | 137.41 | 137.40 | |
| 29 | 137.43 | 137.81 | 137.55 | 139.22 | 138.57 | 138.18 | 137.98 | 137.74 | 137.45 | 137.41 | | 137.40 | |
| 30 | 137.47 | 138.62 | 137.50 | 138.85 | 139.27 | 138.09 | 137.96 | 137.70 | 137.44 | 137.41 | | 137.39 | |
| 31 | | 139.84 | | 138.67 | 139.53 | | 137.92 | | 137.44 | 137.41 | | 137.39 | |
| Mean | 137.41 | 137.56 | 137.77 | 139.07 | 139.12 | 138.19 | 139.08 | 137.78 | 137.51 | 137.43 | 137.40 | 137.40 | |
| Max | 137.49 | 139.84 | 139.63 | 140.68 | 139.83 | 139.08 | 142.85 | 137.98 | 137.66 | 137.48 | 137.42 | 137.43 | 142.85 |
| Min | 137.37 | 137.37 | 137.39 | 137.50 | 138.18 | 137.83 | 137.91 | 137.63 | 137.44 | 137.39 | 137.37 | 137.39 | 137.37 |

Annual Max Momentary Gage Height 142.91 m. (MSL.) , at 03.00 Hours , on Oct 9, 2006

Zero Gage at Bottom Elevation 136.90 m. (MSL.) , River Bed 137.13 m. (MSL.)

Left Bank Elevation 146.00 m. (MSL.) ,

Right Bank Elevation 146.03 m. (MSL.) , Drainage Are 414 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.07 | 12.93 | 0.10 | 10.33 | 7.72 | 1.30 | 0.85 | 0.26 | 0.06 | 0.00 | 0.03 | | |
| 2 | 0.02 | 0.04 | 5.46 | 0.16 | 14.80 | 4.90 | 8.44 | 0.78 | 0.23 | 0.06 | 0.00 | 0.03 | | |
| 3 | 0.09 | 0.03 | 2.55 | 3.30 | 10.69 | 3.15 | 18.17 | 0.78 | 0.21 | 0.07 | 0.00 | 0.02 | | |
| 4 | 0.06 | 0.03 | 1.20 | 21.68 | 13.37 | 2.10 | 22.33 | 0.75 | 0.20 | 0.06 | 0.02 | 0.03 | | |
| 5 | 0.05 | 0.01 | 0.65 | 10.78 | 14.91 | 1.85 | 19.60 | 0.70 | 0.19 | 0.06 | 0.01 | 0.02 | | |
| 6 | 0.05 | 0.01 | 0.46 | 7.09 | 9.97 | 2.05 | 20.64 | 0.65 | 0.19 | 0.05 | 0.00 | 0.00 | | |
| 7 | 0.03 | 0.00 | 0.29 | 5.81 | 8.17 | 1.65 | 21.55 | 0.63 | 0.19 | 0.04 | 0.00 | 0.00 | | |
| 8 | 0.02 | 0.01 | 0.22 | 4.48 | 7.09 | 1.45 | 52.37 | 0.53 | 0.18 | 0.04 | 0.00 | 0.00 | | |
| 9 | 0.06 | 0.01 | 0.14 | 3.99 | 5.18 | 1.45 | 64.85 | 0.48 | 0.17 | 0.03 | 0.00 | 0.00 | | |
| 10 | 0.03 | 0.04 | 0.09 | 6.09 | 3.05 | 3.57 | 51.42 | 0.44 | 0.13 | 0.04 | 0.00 | 0.00 | | |
| 11 | 0.03 | 0.02 | 0.05 | 5.46 | 2.50 | 2.80 | 23.80 | 0.40 | 0.11 | 0.08 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.02 | 0.03 | 3.71 | 1.90 | 1.85 | 12.05 | 0.36 | 0.10 | 0.07 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.07 | 0.01 | 2.25 | 3.30 | 1.45 | 7.36 | 0.34 | 0.09 | 0.06 | 0.00 | 0.00 | | |
| 14 | 0.01 | 0.03 | 0.00 | 3.15 | 3.05 | 0.68 | 5.46 | 0.32 | 0.08 | 0.05 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.01 | 0.00 | 22.46 | 4.20 | 0.63 | 4.13 | 0.27 | 0.08 | 0.05 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 26.20 | 15.13 | 0.58 | 3.05 | 0.26 | 0.07 | 0.05 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.02 | 16.89 | 10.87 | 0.90 | 2.55 | 0.26 | 0.07 | 0.05 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.02 | 10.42 | 6.72 | 2.75 | 2.35 | 0.26 | 0.07 | 0.04 | 0.00 | 0.03 | | |
| 19 | 0.00 | 0.00 | 0.10 | 12.60 | 8.17 | 1.50 | 2.10 | 0.25 | 0.08 | 0.04 | 0.00 | 0.02 | | |
| 20 | 0.00 | 0.00 | 0.16 | 15.68 | 6.30 | 0.93 | 1.80 | 0.23 | 0.08 | 0.03 | 0.00 | 0.01 | | |
| 21 | 0.00 | 0.00 | 1.25 | 16.12 | 5.11 | 0.80 | 1.50 | 0.32 | 0.07 | 0.02 | 0.00 | 0.01 | | |
| 22 | 0.00 | 0.00 | 0.93 | 11.14 | 9.97 | 0.63 | 1.15 | 0.36 | 0.06 | 0.01 | 0.00 | 0.01 | | |
| 23 | 0.00 | 0.00 | 1.15 | 6.86 | 10.24 | 0.73 | 1.00 | 0.95 | 0.07 | 0.01 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.01 | 0.98 | 4.69 | 12.05 | 0.68 | 1.10 | 0.73 | 0.09 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.83 | 6.30 | 12.93 | 3.00 | 1.05 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.46 | 5.74 | 14.47 | 5.11 | 1.00 | 0.70 | 0.05 | 0.00 | 0.02 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.26 | 7.18 | 10.33 | 3.15 | 0.85 | 0.48 | 0.05 | 0.00 | 0.02 | 0.00 | | |
| 28 | 0.00 | 0.88 | 0.23 | 11.50 | 6.02 | 2.40 | 0.78 | 0.42 | 0.05 | 0.01 | 0.01 | 0.00 | | |
| 29 | 0.03 | 0.53 | 0.15 | 8.98 | 3.99 | 1.90 | 0.95 | 0.38 | 0.05 | 0.01 | | 0.00 | | |
| 30 | 0.07 | 4.34 | 0.10 | 5.95 | 9.43 | 1.45 | 0.90 | 0.30 | 0.04 | 0.01 | | 0.00 | | |
| 31 | | 15.24 | | 4.69 | 11.83 | | 0.80 | | 0.04 | 0.01 | | 0.00 | | |
| Total | 0.55 | 21.40 | 30.72 | 271.45 | 266.07 | 63.81 | 356.40 | 14.88 | 3.44 | 1.11 | 0.08 | 0.21 | 1030.12 | CMSDAY |
| Mean | 0.02 | 0.69 | 1.02 | 8.76 | 8.58 | 2.13 | 11.50 | 0.50 | 0.11 | 0.04 | 0.00 | 0.01 | 2.82 | CMS |
| Max | 0.09 | 15.24 | 12.93 | 26.20 | 15.13 | 7.72 | 64.85 | 0.95 | 0.26 | 0.08 | 0.02 | 0.03 | 64.85 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.10 | 1.90 | 0.58 | 0.78 | 0.23 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.05 | 1.85 | 2.65 | 23.45 | 22.99 | 5.51 | 30.79 | 1.29 | 0.30 | 0.10 | 0.01 | 0.02 | 89.00 | MCM |

Momentary Peak 66.11 CMS. at 142.91 m. (MSL.) at 03.00 Hours , on Oct 9, 2006

Runoff Yield 6.93 Liters/Second/Square KM. Momentary Peak Yield 162.43 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Luang at Ban Non Toom , Udon Thani (Kh.103)

Lat 17 - 28 - 56 N Long 102 - 47 - 49 E

**Location : on right bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Non Toom | **Amphoe** Mueang | **Changwat** Udon Thani |
| **Drainge Area** | 1,235 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +166.500 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank downstream side at the footpath of the bridge. | | **Elevation** +172.486 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings. | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 29 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

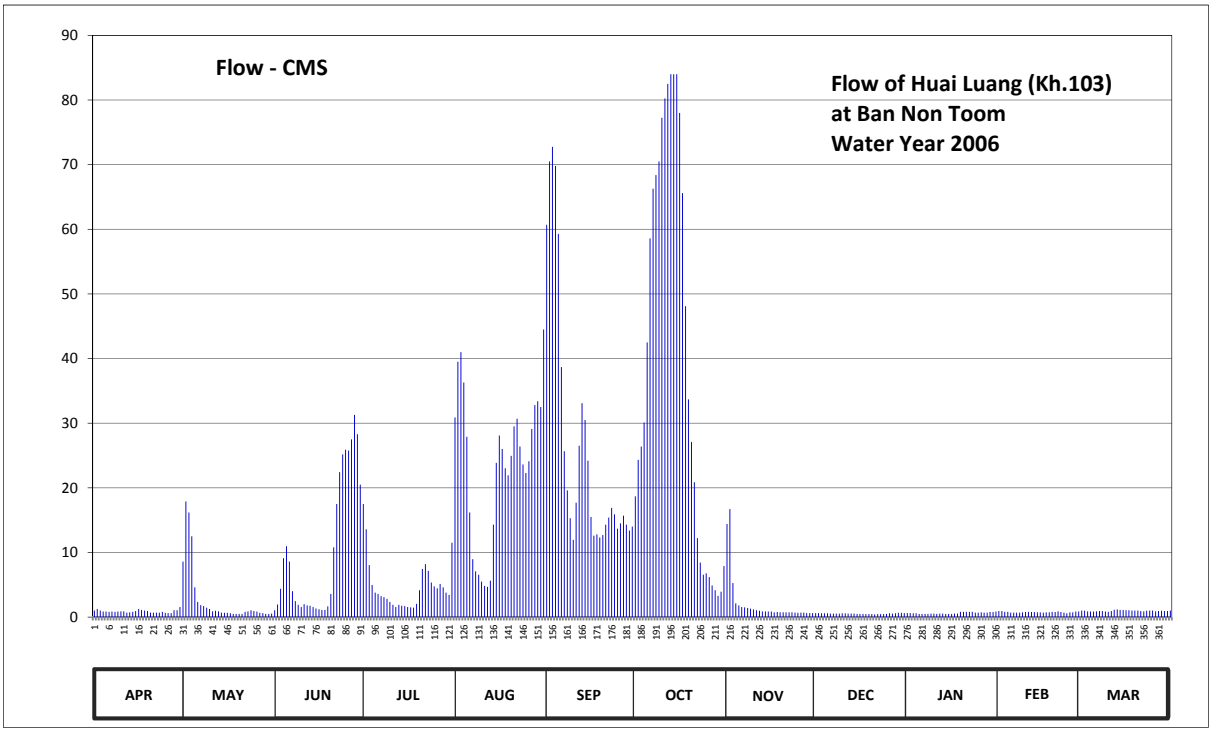
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 167.08 | 168.21 | 167.09 | 169.20 | 170.22 | 170.86 | 169.32 | 168.89 | 166.98 | 166.98 | 167.06 | 167.08 | |
| 2 | 167.14 | 169.24 | 167.29 | 168.81 | 170.50 | 171.00 | 169.82 | 169.12 | 166.98 | 166.98 | 167.06 | 167.07 | |
| 3 | 167.08 | 169.07 | 167.65 | 168.14 | 170.53 | 171.03 | 169.99 | 167.77 | 166.97 | 166.97 | 167.03 | 167.05 | |
| 4 | 167.04 | 168.70 | 168.28 | 167.73 | 170.42 | 170.99 | 170.18 | 167.32 | 166.97 | 166.97 | 167.03 | 167.04 | |
| 5 | 167.04 | 167.68 | 168.52 | 167.57 | 170.07 | 170.84 | 170.56 | 167.26 | 166.97 | 166.95 | 167.00 | 167.04 | |
| 6 | 167.03 | 167.36 | 168.21 | 167.54 | 169.07 | 170.48 | 170.83 | 167.21 | 166.96 | 166.95 | 167.00 | 167.05 | |
| 7 | 167.04 | 167.27 | 167.60 | 167.49 | 168.26 | 169.93 | 170.94 | 167.20 | 166.96 | 166.95 | 167.00 | 167.06 | |
| 8 | 167.03 | 167.24 | 167.38 | 167.47 | 168.01 | 169.41 | 170.97 | 167.18 | 166.96 | 166.95 | 167.00 | 167.06 | |
| 9 | 167.04 | 167.19 | 167.28 | 167.43 | 167.94 | 168.98 | 171.00 | 167.15 | 166.96 | 166.96 | 167.01 | 167.04 | |
| 10 | 167.05 | 167.14 | 167.21 | 167.36 | 167.80 | 168.64 | 171.09 | 167.12 | 166.97 | 166.96 | 167.02 | 167.03 | |
| 11 | 167.05 | 167.05 | 167.30 | 167.28 | 167.71 | 169.22 | 171.13 | 167.09 | 166.97 | 166.95 | 167.03 | 167.06 | |
| 12 | 167.00 | 167.07 | 167.26 | 167.21 | 167.69 | 170.00 | 171.16 | 167.07 | 166.96 | 166.96 | 167.02 | 167.11 | |
| 13 | 167.01 | 167.05 | 167.25 | 167.28 | 167.82 | 170.32 | 171.18 | 167.05 | 166.96 | 166.96 | 167.02 | 167.12 | |
| 14 | 167.03 | 167.00 | 167.21 | 167.25 | 168.88 | 170.20 | 171.18 | 167.05 | 166.96 | 166.95 | 167.01 | 167.10 | |
| 15 | 167.06 | 166.99 | 167.16 | 167.24 | 169.78 | 169.81 | 171.18 | 167.04 | 166.95 | 166.95 | 167.01 | 167.10 | |
| 16 | 167.14 | 166.99 | 167.13 | 167.21 | 170.08 | 169.00 | 171.10 | 167.04 | 166.95 | 166.95 | 167.00 | 167.09 | |
| 17 | 167.10 | 166.97 | 167.10 | 167.20 | 169.96 | 168.71 | 170.93 | 167.01 | 166.95 | 166.96 | 167.01 | 167.09 | |
| 18 | 167.08 | 166.95 | 167.10 | 167.19 | 169.71 | 168.73 | 170.66 | 167.02 | 166.94 | 166.96 | 167.01 | 167.08 | |
| 19 | 167.06 | 166.95 | 167.23 | 167.31 | 169.62 | 168.68 | 170.34 | 167.01 | 166.94 | 167.03 | 167.03 | 167.08 | |
| 20 | 167.00 | 166.95 | 167.54 | 167.62 | 169.87 | 168.72 | 170.03 | 167.01 | 166.94 | 167.03 | 167.02 | 167.08 | |
| 21 | 167.00 | 166.95 | 168.50 | 168.06 | 170.15 | 168.88 | 169.53 | 167.01 | 166.93 | 167.03 | 167.05 | 167.06 | |
| 22 | 167.00 | 167.03 | 169.20 | 168.16 | 170.21 | 168.99 | 168.67 | 167.01 | 166.94 | 167.03 | 167.02 | 167.05 | |
| 23 | 167.00 | 167.05 | 169.66 | 168.02 | 169.99 | 169.14 | 168.19 | 167.01 | 166.94 | 167.03 | 167.00 | 167.07 | |
| 24 | 167.03 | 167.09 | 169.89 | 167.78 | 169.76 | 169.04 | 167.94 | 167.00 | 166.94 | 167.00 | 166.97 | 167.08 | |
| 25 | 166.99 | 167.06 | 169.95 | 167.70 | 169.65 | 168.82 | 167.97 | 166.99 | 166.95 | 167.00 | 167.01 | 167.08 | |
| 26 | 166.98 | 167.04 | 169.94 | 167.66 | 169.80 | 168.90 | 167.89 | 167.00 | 166.97 | 167.01 | 167.01 | 167.05 | |
| 27 | 166.98 | 166.99 | 170.05 | 167.75 | 170.13 | 169.02 | 167.72 | 167.00 | 166.96 | 167.00 | 167.04 | 167.06 | |
| 28 | 167.09 | 166.98 | 170.24 | 167.68 | 170.31 | 168.88 | 167.62 | 166.98 | 166.97 | 167.00 | 167.04 | 167.07 | |
| 29 | 167.09 | 166.95 | 170.09 | 167.57 | 170.33 | 168.79 | 167.50 | 166.98 | 166.99 | 167.02 | | 167.06 | |
| 30 | 167.21 | 166.95 | 169.50 | 167.52 | 170.30 | 168.85 | 167.59 | 166.98 | 166.99 | 167.02 | | 167.06 | |
| 31 | | 166.96 | | 168.59 | 170.60 | | 168.12 | | 166.98 | 167.04 | | 167.08 | |
| Mean | 167.05 | 167.29 | 168.19 | 167.68 | 169.52 | 169.50 | 169.75 | 167.22 | 166.96 | 166.98 | 167.02 | 167.07 | |
| Max | 167.21 | 169.24 | 170.24 | 169.20 | 170.60 | 171.03 | 171.18 | 169.12 | 166.99 | 167.04 | 167.06 | 167.12 | 171.18 |
| Min | 166.98 | 166.95 | 167.09 | 167.19 | 167.69 | 168.64 | 167.50 | 166.98 | 166.93 | 166.95 | 166.97 | 167.03 | 166.93 |

Annual Max Momentary Gage Height 171.18 m. (MSL.) , at 07.00 Hours , on Oct 13 , 2006

Zero Gage at Bottom Elevation 166.50 m. (MSL.) , River Bed 166.73 m. (MSL.)

Left Bank Elevation 172.69 m. (MSL.) ,

Right Bank Elevation 172.24 m. (MSL.) , Drainage Are 1,235 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.02 | 8.58 | 1.06 | 17.50 | 30.90 | 60.70 | 18.70 | 14.40 | 0.62 | 0.62 | 0.94 | 1.02 | | |
| 2 | 1.26 | 17.90 | 1.95 | 13.60 | 39.50 | 70.50 | 24.34 | 16.70 | 0.62 | 0.62 | 0.94 | 0.98 | | |
| 3 | 1.02 | 16.20 | 4.38 | 8.05 | 41.00 | 72.75 | 26.38 | 5.28 | 0.58 | 0.58 | 0.82 | 0.90 | | |
| 4 | 0.86 | 12.50 | 9.10 | 4.98 | 36.30 | 69.80 | 30.10 | 2.12 | 0.58 | 0.58 | 0.82 | 0.86 | | |
| 5 | 0.86 | 4.60 | 10.96 | 3.79 | 27.90 | 59.30 | 42.50 | 1.80 | 0.58 | 0.50 | 0.70 | 0.86 | | |
| 6 | 0.82 | 2.36 | 8.58 | 3.58 | 16.20 | 38.70 | 58.60 | 1.55 | 0.54 | 0.50 | 0.70 | 0.90 | | |
| 7 | 0.86 | 1.85 | 4.00 | 3.23 | 8.95 | 25.66 | 66.30 | 1.50 | 0.54 | 0.50 | 0.70 | 0.94 | | |
| 8 | 0.82 | 1.70 | 2.48 | 3.09 | 7.08 | 19.60 | 68.40 | 1.42 | 0.54 | 0.50 | 0.70 | 0.94 | | |
| 9 | 0.86 | 1.46 | 1.90 | 2.81 | 6.55 | 15.30 | 70.50 | 1.30 | 0.54 | 0.54 | 0.74 | 0.86 | | |
| 10 | 0.90 | 1.26 | 1.55 | 2.36 | 5.50 | 11.96 | 77.25 | 1.18 | 0.58 | 0.54 | 0.78 | 0.82 | | |
| 11 | 0.90 | 0.90 | 2.00 | 1.90 | 4.83 | 17.70 | 80.25 | 1.06 | 0.58 | 0.50 | 0.82 | 0.94 | | |
| 12 | 0.70 | 0.98 | 1.80 | 1.55 | 4.68 | 26.50 | 82.50 | 0.98 | 0.54 | 0.54 | 0.78 | 1.14 | | |
| 13 | 0.74 | 0.90 | 1.75 | 1.90 | 5.65 | 33.10 | 84.00 | 0.90 | 0.54 | 0.54 | 0.78 | 1.18 | | |
| 14 | 0.82 | 0.70 | 1.55 | 1.75 | 14.30 | 30.50 | 84.00 | 0.90 | 0.54 | 0.50 | 0.74 | 1.10 | | |
| 15 | 0.94 | 0.66 | 1.34 | 1.70 | 23.86 | 24.22 | 84.00 | 0.86 | 0.50 | 0.50 | 0.74 | 1.10 | | |
| 16 | 1.26 | 0.66 | 1.22 | 1.55 | 28.10 | 15.50 | 78.00 | 0.86 | 0.50 | 0.50 | 0.70 | 1.06 | | |
| 17 | 1.10 | 0.58 | 1.10 | 1.50 | 26.02 | 12.60 | 65.60 | 0.74 | 0.50 | 0.54 | 0.74 | 1.06 | | |
| 18 | 1.02 | 0.50 | 1.10 | 1.46 | 23.02 | 12.80 | 48.10 | 0.78 | 0.46 | 0.54 | 0.74 | 1.02 | | |
| 19 | 0.94 | 0.50 | 1.65 | 2.06 | 21.94 | 12.32 | 33.70 | 0.74 | 0.46 | 0.82 | 0.82 | 1.02 | | |
| 20 | 0.70 | 0.50 | 3.58 | 4.15 | 24.94 | 12.70 | 27.10 | 0.74 | 0.46 | 0.82 | 0.78 | 1.02 | | |
| 21 | 0.70 | 0.50 | 10.80 | 7.45 | 29.50 | 14.30 | 20.86 | 0.74 | 0.42 | 0.82 | 0.90 | 0.94 | | |
| 22 | 0.70 | 0.82 | 17.50 | 8.20 | 30.70 | 15.40 | 12.23 | 0.74 | 0.46 | 0.82 | 0.78 | 0.90 | | |
| 23 | 0.70 | 0.90 | 22.42 | 7.15 | 26.38 | 16.90 | 8.43 | 0.74 | 0.46 | 0.82 | 0.70 | 0.98 | | |
| 24 | 0.82 | 1.06 | 25.18 | 5.35 | 23.62 | 15.90 | 6.55 | 0.70 | 0.46 | 0.70 | 0.58 | 1.02 | | |
| 25 | 0.66 | 0.94 | 25.90 | 4.75 | 22.30 | 13.70 | 6.78 | 0.66 | 0.50 | 0.70 | 0.74 | 1.02 | | |
| 26 | 0.62 | 0.86 | 25.78 | 4.45 | 24.10 | 14.50 | 6.18 | 0.70 | 0.58 | 0.74 | 0.74 | 0.90 | | |
| 27 | 0.62 | 0.66 | 27.50 | 5.13 | 29.10 | 15.70 | 4.90 | 0.70 | 0.54 | 0.70 | 0.86 | 0.94 | | |
| 28 | 1.06 | 0.62 | 31.30 | 4.60 | 32.80 | 14.30 | 4.15 | 0.62 | 0.58 | 0.70 | 0.86 | 0.98 | | |
| 29 | 1.06 | 0.50 | 28.30 | 3.79 | 33.40 | 13.40 | 3.30 | 0.62 | 0.66 | 0.78 | | 0.94 | | |
| 30 | 1.55 | 0.50 | 20.50 | 3.44 | 32.50 | 14.00 | 3.93 | 0.62 | 0.66 | 0.78 | | 0.94 | | |
| 31 | | 0.54 | | 11.52 | 44.50 | | 7.90 | | 0.62 | 0.86 | | 1.02 | | |
| Total | 26.89 | 83.19 | 298.23 | 148.34 | 726.12 | 790.31 | 1235.53 | 62.65 | 16.74 | 19.70 | 21.64 | 30.30 | 3459.64 | CMSDAY |
| Mean | 0.90 | 2.68 | 9.94 | 4.79 | 23.42 | 26.34 | 39.86 | 2.09 | 0.54 | 0.64 | 0.77 | 0.98 | 9.48 | CMS |
| Max | 1.55 | 17.90 | 31.30 | 17.50 | 44.50 | 72.75 | 84.00 | 16.70 | 0.66 | 0.86 | 0.94 | 1.18 | 84.00 | CMS |
| Min | 0.62 | 0.50 | 1.06 | 1.46 | 4.68 | 11.96 | 3.30 | 0.62 | 0.42 | 0.50 | 0.58 | 0.82 | 0.42 | CMS |
| Runoff | 2.32 | 7.19 | 25.77 | 12.82 | 62.74 | 68.28 | 106.75 | 5.41 | 1.45 | 1.70 | 1.87 | 2.62 | 298.91 | MCM |

Momentary Peak 84.00 CMS. at 171.18 m. (MSL.) at 07.00 Hours , on Oct 13 , 2006

Runoff Yield 7.67 Liters/Second/Square KM. Momentary Peak Yield 68.02 Liters/Second/Square KM.

## WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Puan at Ban Pa Noi , Loei (Kh.105)

Lat 17 - 21 - 43 N Long 101 - 49 - 46 E

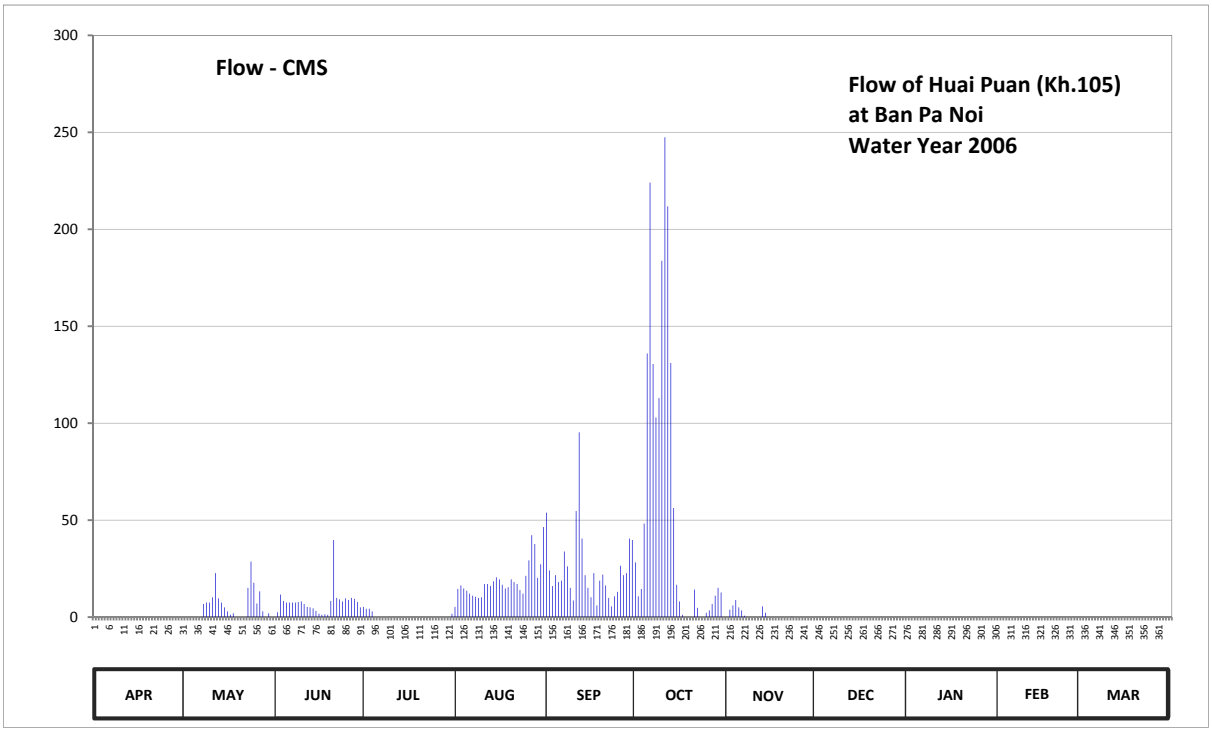
**Location : on right bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Pa Noi | **Amphoe** Wang Saphung | **Changwat** Loei |
| **Drainge Area** | 948 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +247.500 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank at the footpath of the bridge. | | **Elevation** +258.341 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 3 readings. | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 8 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 249.75 | 249.80 | 250.75 | 251.21 | 251.21 | 252.66 | 251.95 | 250.98 | 250.94 | 249.86 | 249.43 | 249.57 | |
| 2 | 249.75 | 250.21 | 251.10 | 251.17 | 251.55 | 251.83 | 251.42 | 251.15 | 250.94 | 249.83 | 249.43 | 249.64 | |
| 3 | 249.75 | 250.64 | 251.45 | 251.17 | 251.61 | 251.60 | 251.55 | 251.24 | 250.94 | 249.82 | 249.43 | 249.64 | |
| 4 | 249.75 | 250.80 | 251.33 | 251.12 | 251.56 | 251.76 | 252.52 | 251.35 | 250.94 | 249.80 | 249.45 | 249.65 | |
| 5 | 249.75 | 250.81 | 251.30 | 250.65 | 251.52 | 251.66 | 254.47 | 251.20 | 250.93 | 249.76 | 249.46 | 249.64 | |
| 6 | 249.75 | 250.80 | 251.30 | 251.00 | 251.47 | 251.68 | 256.06 | 251.14 | 250.87 | 249.70 | 249.46 | 249.64 | |
| 7 | 249.75 | 250.96 | 251.30 | 250.99 | 251.43 | 252.11 | 254.36 | 251.03 | 250.80 | 249.66 | 249.46 | 249.64 | |
| 8 | 249.75 | 251.27 | 251.30 | 250.94 | 251.41 | 251.89 | 253.81 | 250.94 | 250.75 | 249.64 | 249.46 | 249.65 | |
| 9 | 249.75 | 251.30 | 251.31 | 250.95 | 251.39 | 251.57 | 254.01 | 250.91 | 250.71 | 249.61 | 249.47 | 249.64 | |
| 10 | 249.75 | 251.30 | 251.32 | 250.94 | 251.40 | 251.34 | 255.36 | 250.84 | 250.66 | 249.58 | 249.47 | 249.64 | |
| 11 | 249.75 | 251.40 | 251.27 | 250.91 | 251.63 | 252.68 | 256.45 | 250.90 | 250.60 | 249.56 | 249.49 | 249.64 | |
| 12 | 249.75 | 251.79 | 251.21 | 250.87 | 251.63 | 253.64 | 255.85 | 250.99 | 250.50 | 249.54 | 249.50 | 249.63 | |
| 13 | 249.75 | 251.38 | 251.20 | 250.85 | 251.60 | 252.30 | 254.37 | 251.22 | 250.43 | 249.52 | 249.52 | 249.63 | |
| 14 | 249.75 | 251.30 | 251.18 | 250.81 | 251.67 | 251.76 | 252.72 | 251.09 | 250.34 | 249.51 | 249.54 | 249.63 | |
| 15 | 249.75 | 251.20 | 251.13 | 250.78 | 251.73 | 251.57 | 251.62 | 250.92 | 250.26 | 249.50 | 249.55 | 249.63 | |
| 16 | 249.75 | 251.12 | 251.07 | 250.83 | 251.70 | 251.40 | 251.32 | 250.58 | 250.20 | 249.50 | 249.56 | 249.63 | |
| 17 | 249.75 | 251.05 | 251.05 | 250.80 | 251.62 | 251.79 | 251.05 | 250.47 | 250.16 | 249.49 | 249.58 | 249.60 | |
| 18 | 249.75 | 251.08 | 251.06 | 250.79 | 251.56 | 251.24 | 250.97 | 250.80 | 250.12 | 249.49 | 249.59 | 249.53 | |
| 19 | 249.75 | 250.96 | 251.05 | 250.80 | 251.58 | 251.68 | 250.70 | 250.94 | 250.08 | 249.48 | 249.59 | 249.53 | |
| 20 | 249.75 | 250.94 | 251.33 | 250.83 | 251.70 | 251.77 | 250.90 | 250.96 | 250.05 | 249.48 | 249.57 | 249.53 | |
| 21 | 249.75 | 250.91 | 252.28 | 250.85 | 251.66 | 251.61 | 251.54 | 251.00 | 250.02 | 249.47 | 249.53 | 249.53 | |
| 22 | 249.75 | 250.92 | 251.39 | 250.85 | 251.63 | 251.39 | 251.19 | 250.99 | 249.99 | 249.46 | 249.55 | 249.53 | |
| 23 | 249.75 | 251.57 | 251.36 | 250.85 | 251.53 | 251.22 | 250.72 | 251.01 | 249.98 | 249.45 | 249.54 | 249.53 | |
| 24 | 249.75 | 251.96 | 251.32 | 250.84 | 251.47 | 251.42 | 250.95 | 250.95 | 249.97 | 249.45 | 249.53 | 249.53 | |
| 25 | 249.75 | 251.65 | 251.38 | 250.83 | 251.75 | 251.50 | 251.09 | 250.94 | 249.96 | 249.44 | 249.54 | 249.52 | |
| 26 | 249.75 | 251.28 | 251.35 | 250.80 | 251.98 | 251.90 | 251.14 | 250.91 | 249.94 | 249.44 | 249.55 | 249.52 | |
| 27 | 249.75 | 251.51 | 251.39 | 250.79 | 252.35 | 251.76 | 251.27 | 250.89 | 249.93 | 249.44 | 249.55 | 249.51 | |
| 28 | 249.75 | 251.12 | 251.37 | 250.77 | 252.22 | 251.79 | 251.43 | 250.93 | 249.91 | 249.43 | 249.54 | 249.51 | |
| 29 | 249.75 | 250.92 | 251.31 | 250.79 | 251.72 | 252.30 | 251.57 | 250.93 | 249.91 | 249.43 | | 249.52 | |
| 30 | 249.75 | 251.08 | 251.20 | 250.98 | 251.92 | 252.28 | 251.49 | 250.93 | 249.90 | 249.43 | | 249.53 | |
| 31 | | 250.99 | | 251.07 | 252.47 | | 250.98 | | 249.90 | 249.43 | | 249.53 | |
| Mean | 249.75 | 251.10 | 251.28 | 250.90 | 251.67 | 251.84 | 252.41 | 250.97 | 250.34 | 249.55 | 249.51 | 249.58 | |
| Max | 249.75 | 251.96 | 252.28 | 251.21 | 252.47 | 253.64 | 256.45 | 251.35 | 250.94 | 249.86 | 249.59 | 249.65 | 256.45 |
| Min | 249.75 | 249.80 | 250.75 | 250.65 | 251.21 | 251.22 | 250.70 | 250.47 | 249.90 | 249.43 | 249.43 | 249.51 | 249.43 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 257.03 | m. (MSL.) , | at 13.00 Hours , on Oct 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 247.50 | m. (MSL.) , | River Bed | 248.48 | m. (MSL) |
| Left Bank Elevation | 258.29 | m. (MSL.) , | | | |
| Right Bank Elevation | 258.31 | m. (MSL.) , | Drainage Are | 948 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 5.25 | 5.25 | 53.90 | 28.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 2.50 | 4.25 | 14.50 | 24.05 | 10.76 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 11.60 | 4.25 | 16.35 | 16.00 | 14.50 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 8.31 | 3.00 | 14.80 | 21.60 | 48.30 | 8.85 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 7.50 | 0.00 | 13.60 | 18.10 | 136.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 7.50 | 0.00 | 12.16 | 18.80 | 224.10 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 7.50 | 0.00 | 11.04 | 33.85 | 130.50 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 6.75 | 7.50 | 0.00 | 10.48 | 26.15 | 103.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 7.50 | 7.77 | 0.00 | 9.93 | 15.10 | 113.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 7.50 | 8.04 | 0.00 | 10.20 | 8.58 | 183.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 10.20 | 6.75 | 0.00 | 17.05 | 54.70 | 247.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 22.65 | 5.25 | 0.00 | 17.05 | 95.30 | 211.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 9.66 | 5.00 | 0.00 | 16.00 | 40.50 | 131.00 | 5.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 7.50 | 4.50 | 0.00 | 18.45 | 21.60 | 56.30 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 5.00 | 3.25 | 0.00 | 20.55 | 15.10 | 16.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 3.00 | 1.75 | 0.00 | 19.50 | 10.20 | 8.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 1.25 | 1.25 | 0.00 | 16.70 | 22.65 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 2.00 | 1.50 | 0.00 | 14.80 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 1.25 | 0.00 | 15.40 | 18.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 8.31 | 0.00 | 19.50 | 21.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 39.80 | 0.00 | 18.10 | 16.35 | 14.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 9.93 | 0.00 | 17.05 | 9.93 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 15.10 | 9.12 | 0.00 | 13.90 | 5.50 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 28.60 | 8.04 | 0.00 | 12.16 | 10.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 17.75 | 9.66 | 0.00 | 21.25 | 13.00 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 7.00 | 8.85 | 0.00 | 29.30 | 26.50 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 13.30 | 9.93 | 0.00 | 42.25 | 21.60 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 3.00 | 9.39 | 0.00 | 37.70 | 22.65 | 11.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 7.77 | 0.00 | 20.20 | 40.50 | 15.10 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 2.00 | 5.00 | 0.00 | 27.20 | 39.80 | 12.72 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 1.75 | 46.45 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 169.76 | 224.52 | 18.50 | 578.87 | 749.52 | 1735.11 | 35.85 | 0.00 | 0.00 | 0.00 | 0.00 | 3512.13 | CMSDAY |
| Mean | 0.00 | 5.48 | 7.48 | 0.60 | 18.67 | 24.98 | 55.97 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 9.62 | CMS |
| Max | 0.00 | 28.60 | 39.80 | 5.25 | 46.45 | 95.30 | 247.50 | 8.85 | 0.00 | 0.00 | 0.00 | 0.00 | 247.50 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 5.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 14.67 | 19.40 | 1.60 | 50.01 | 64.76 | 149.91 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 303.45 | MCM |

Momentary Peak 282.30 CMS. at 257.03 m. (MSL.) at 13.00 Hours , on Oct 11 , 2006

Runoff Yield 10.15 Liters/Second/Square KM. Momentary Peak Yield 297.78 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE ING RIVER BASIN

### Nam Waen at Ban Nam Waen, Phayao (I.6)

Lat 19 - 29 - 21 N Long 100 - 16 - 33 E

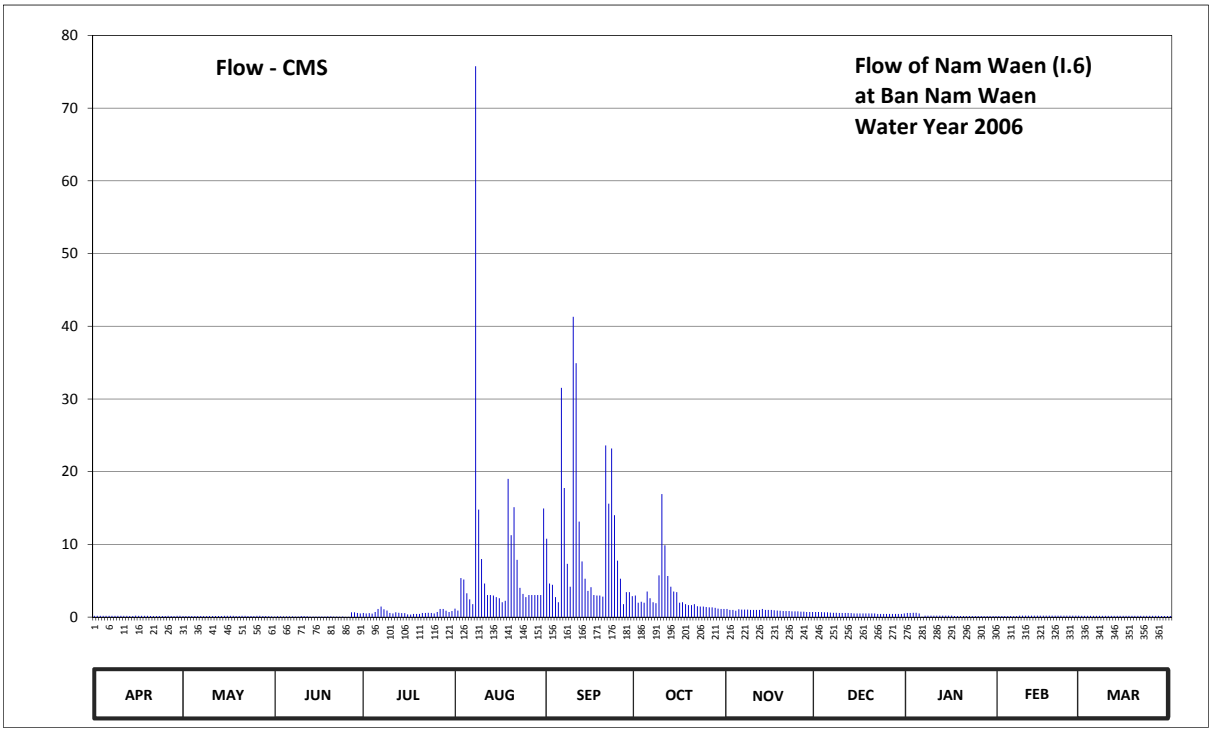
**Location : on left bank at the bridge of Amphoe Chum - Amphoe Chiang Kham Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Nam Waen | **Amphoe** Chiang Kham | **Changwat** Phayao |
| **Drainge Area** | 151 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank in the vicinity of gage observer's house. | **Elevation** | +8.152 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1980 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1997 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1997 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Flow effected by Nam Waen reservoir about 4 - 5 kilometers abov gage site. Stage-discharge relation defined by 11 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.93 | 0.91 | 0.65 | 0.35 | 0.51 | 1.55 | 0.79 | 0.50 | 0.40 | 0.35 | 0.90 | 0.95 | |
| 2 | 0.93 | 0.91 | 0.75 | 0.33 | 0.45 | 0.99 | 0.65 | 0.47 | 0.40 | 0.35 | 0.90 | 0.95 | |
| 3 | 0.93 | 0.91 | 0.72 | 0.34 | 1.07 | 0.97 | 0.67 | 0.47 | 0.39 | 0.36 | 0.90 | 0.95 | |
| 4 | 0.93 | 0.91 | 0.69 | 0.32 | 1.05 | 0.76 | 0.65 | 0.44 | 0.38 | 0.36 | 0.90 | 0.95 | |
| 5 | 0.92 | 0.91 | 0.70 | 0.40 | 0.83 | 0.66 | 0.86 | 0.49 | 0.38 | 0.33 | 0.90 | 0.95 | |
| 6 | 0.92 | 0.91 | 0.68 | 0.50 | 0.72 | 2.72 | 0.74 | 0.48 | 0.37 | 0.52 | 0.90 | 0.95 | |
| 7 | 0.92 | 0.91 | 0.68 | 0.56 | 0.62 | 2.02 | 0.66 | 0.48 | 0.36 | 1.00 | 0.90 | 0.95 | |
| 8 | 0.92 | 0.91 | 0.67 | 0.49 | 4.33 | 1.26 | 0.64 | 0.48 | 0.36 | 1.00 | 0.99 | 0.95 | |
| 9 | 0.92 | 0.91 | 0.64 | 0.45 | 1.84 | 0.94 | 1.11 | 0.47 | 0.35 | 1.00 | 0.99 | 0.95 | |
| 10 | 0.92 | 0.91 | 0.88 | 0.35 | 1.32 | 3.14 | 1.97 | 0.47 | 0.35 | 1.00 | 0.99 | 0.95 | |
| 11 | 0.92 | 0.91 | 0.86 | 0.33 | 0.99 | 2.87 | 1.48 | 0.47 | 0.35 | 1.00 | 0.99 | 0.95 | |
| 12 | 0.92 | 0.90 | 0.83 | 0.38 | 0.80 | 1.73 | 1.10 | 0.47 | 0.35 | 1.00 | 0.99 | 0.95 | |
| 13 | 0.91 | 0.90 | 0.65 | 0.36 | 0.80 | 1.29 | 0.94 | 0.50 | 0.34 | 1.00 | 0.99 | 0.95 | |
| 14 | 0.91 | 0.90 | 0.65 | 0.34 | 0.79 | 1.06 | 0.86 | 0.47 | 0.33 | 1.00 | 0.98 | 0.95 | |
| 15 | 0.98 | 0.93 | 0.65 | 0.34 | 0.76 | 0.87 | 0.85 | 0.47 | 0.33 | 1.00 | 0.98 | 0.95 | |
| 16 | 0.93 | 0.93 | 0.66 | 0.28 | 0.74 | 0.93 | 0.65 | 0.47 | 0.33 | 1.00 | 0.99 | 0.95 | |
| 17 | 0.93 | 0.93 | 0.66 | 0.27 | 0.66 | 0.80 | 0.66 | 0.46 | 0.33 | 0.90 | 0.99 | 0.95 | |
| 18 | 0.93 | 0.93 | 0.64 | 0.30 | 0.69 | 0.79 | 0.62 | 0.45 | 0.33 | 0.90 | 1.00 | 0.95 | |
| 19 | 0.94 | 0.91 | 0.70 | 0.30 | 2.09 | 0.79 | 0.60 | 0.44 | 0.33 | 0.90 | 1.00 | 0.95 | |
| 20 | 0.91 | 0.91 | 0.69 | 0.30 | 1.59 | 0.77 | 0.60 | 0.43 | 0.33 | 0.90 | 1.00 | 0.95 | |
| 21 | 0.91 | 0.92 | 0.65 | 0.35 | 1.86 | 2.33 | 0.62 | 0.43 | 0.33 | 0.90 | 1.00 | 0.96 | |
| 22 | 0.91 | 0.93 | 0.63 | 0.35 | 1.31 | 1.89 | 0.57 | 0.43 | 0.30 | 0.90 | 1.00 | 0.96 | |
| 23 | 0.91 | 0.91 | 0.53 | 0.36 | 0.92 | 2.31 | 0.56 | 0.42 | 0.30 | 0.90 | 1.00 | 0.96 | |
| 24 | 0.90 | 0.91 | 0.60 | 0.35 | 0.82 | 1.79 | 0.56 | 0.42 | 0.30 | 0.90 | 1.00 | 0.96 | |
| 25 | 0.90 | 0.91 | 0.45 | 0.33 | 0.76 | 1.30 | 0.55 | 0.42 | 0.30 | 0.90 | 0.99 | 0.96 | |
| 26 | 0.92 | 0.93 | 0.38 | 0.40 | 0.80 | 1.06 | 0.54 | 0.41 | 0.30 | 0.90 | 0.99 | 0.95 | |
| 27 | 0.90 | 0.93 | 0.38 | 0.50 | 0.80 | 0.62 | 0.54 | 0.41 | 0.30 | 0.90 | 0.99 | 0.95 | |
| 28 | 0.90 | 0.91 | 0.38 | 0.50 | 0.80 | 0.85 | 0.53 | 0.40 | 0.30 | 0.90 | 0.99 | 0.90 | |
| 29 | 0.93 | 0.90 | 0.35 | 0.44 | 0.80 | 0.85 | 0.51 | 0.40 | 0.30 | 0.90 | | 0.90 | |
| 30 | 0.93 | 0.77 | 0.33 | 0.40 | 0.80 | 0.78 | 0.50 | 0.40 | 0.30 | 0.90 | | 0.90 | |
| 31 | | 0.70 | | 0.43 | 1.85 | | 0.50 | | 0.33 | 0.90 | | 0.90 | |
| Mean | 0.92 | 0.90 | 0.62 | 0.38 | 1.10 | 1.36 | 0.74 | 0.45 | 0.34 | 0.83 | 0.97 | 0.95 | |
| Max | 0.98 | 0.93 | 0.88 | 0.56 | 4.33 | 3.14 | 1.97 | 0.50 | 0.40 | 1.00 | 1.00 | 0.96 | 4.33 |
| Min | 0.90 | 0.70 | 0.33 | 0.27 | 0.45 | 0.62 | 0.50 | 0.40 | 0.30 | 0.33 | 0.90 | 0.90 | 0.27 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 7.45 | m. (A.D.) , | at 10.00 Hours , on Aug 8, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.26 | m. (A.D.) , |
| Left Bank Elevation | 8.79 | m. (A.D.) , | | | |
| Right Bank Elevation | 8.80 | m. (A.D.) , | Drainage Are | 151 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.17 | 0.16 | 0.09 | 0.57 | 1.17 | 10.77 | 2.96 | 1.12 | 0.70 | 0.57 | 0.16 | 0.18 | | |
| 2 | 0.17 | 0.16 | 0.12 | 0.51 | 0.91 | 4.62 | 1.98 | 0.99 | 0.70 | 0.57 | 0.16 | 0.18 | | |
| 3 | 0.17 | 0.16 | 0.11 | 0.54 | 5.37 | 4.45 | 2.11 | 0.99 | 0.67 | 0.59 | 0.16 | 0.18 | | |
| 4 | 0.17 | 0.16 | 0.10 | 0.48 | 5.18 | 2.74 | 1.98 | 0.87 | 0.65 | 0.59 | 0.16 | 0.18 | | |
| 5 | 0.17 | 0.16 | 0.10 | 0.70 | 3.28 | 2.04 | 3.52 | 1.08 | 0.65 | 0.51 | 0.16 | 0.18 | | |
| 6 | 0.17 | 0.16 | 0.10 | 1.12 | 2.45 | 31.54 | 2.59 | 1.04 | 0.62 | 0.06 | 0.16 | 0.18 | | |
| 7 | 0.17 | 0.16 | 0.10 | 1.44 | 1.78 | 17.76 | 2.04 | 1.04 | 0.59 | 0.20 | 0.16 | 0.18 | | |
| 8 | 0.17 | 0.16 | 0.09 | 1.08 | 75.76 | 7.33 | 1.91 | 1.04 | 0.59 | 0.20 | 0.20 | 0.18 | | |
| 9 | 0.17 | 0.16 | 0.09 | 0.91 | 14.79 | 4.19 | 5.75 | 0.99 | 0.57 | 0.20 | 0.20 | 0.18 | | |
| 10 | 0.17 | 0.16 | 0.15 | 0.57 | 7.98 | 41.30 | 16.91 | 0.99 | 0.57 | 0.20 | 0.20 | 0.18 | | |
| 11 | 0.17 | 0.16 | 0.15 | 0.51 | 4.62 | 34.91 | 9.88 | 0.99 | 0.57 | 0.20 | 0.20 | 0.18 | | |
| 12 | 0.17 | 0.16 | 0.14 | 0.65 | 3.03 | 13.14 | 5.65 | 0.99 | 0.57 | 0.20 | 0.20 | 0.18 | | |
| 13 | 0.16 | 0.16 | 0.09 | 0.59 | 3.03 | 7.65 | 4.19 | 1.12 | 0.54 | 0.20 | 0.20 | 0.18 | | |
| 14 | 0.16 | 0.16 | 0.09 | 0.54 | 2.96 | 5.27 | 3.52 | 0.99 | 0.51 | 0.20 | 0.19 | 0.18 | | |
| 15 | 0.19 | 0.17 | 0.09 | 0.54 | 2.74 | 3.60 | 3.44 | 0.99 | 0.51 | 0.20 | 0.19 | 0.18 | | |
| 16 | 0.17 | 0.17 | 0.09 | 0.38 | 2.59 | 4.11 | 1.98 | 0.99 | 0.51 | 0.20 | 0.20 | 0.18 | | |
| 17 | 0.17 | 0.17 | 0.09 | 0.36 | 2.04 | 3.03 | 2.04 | 0.95 | 0.51 | 0.16 | 0.20 | 0.18 | | |
| 18 | 0.17 | 0.17 | 0.09 | 0.43 | 2.24 | 2.96 | 1.78 | 0.91 | 0.51 | 0.16 | 0.20 | 0.18 | | |
| 19 | 0.18 | 0.16 | 0.10 | 0.43 | 19.02 | 2.96 | 1.65 | 0.87 | 0.51 | 0.16 | 0.20 | 0.18 | | |
| 20 | 0.16 | 0.16 | 0.10 | 0.43 | 11.27 | 2.81 | 1.65 | 0.83 | 0.51 | 0.16 | 0.20 | 0.18 | | |
| 21 | 0.16 | 0.17 | 0.09 | 0.57 | 15.11 | 23.60 | 1.78 | 0.83 | 0.51 | 0.16 | 0.20 | 0.18 | | |
| 22 | 0.16 | 0.17 | 0.09 | 0.57 | 7.87 | 15.59 | 1.49 | 0.83 | 0.43 | 0.16 | 0.20 | 0.18 | | |
| 23 | 0.16 | 0.16 | 0.07 | 0.59 | 4.02 | 23.20 | 1.44 | 0.78 | 0.43 | 0.16 | 0.20 | 0.18 | | |
| 24 | 0.16 | 0.16 | 0.08 | 0.57 | 3.19 | 14.01 | 1.44 | 0.78 | 0.43 | 0.16 | 0.20 | 0.18 | | |
| 25 | 0.16 | 0.16 | 0.05 | 0.51 | 2.74 | 7.76 | 1.39 | 0.78 | 0.43 | 0.16 | 0.20 | 0.18 | | |
| 26 | 0.17 | 0.17 | 0.04 | 0.70 | 3.03 | 5.27 | 1.33 | 0.74 | 0.43 | 0.16 | 0.20 | 0.18 | | |
| 27 | 0.16 | 0.17 | 0.65 | 1.12 | 3.03 | 1.78 | 1.33 | 0.74 | 0.43 | 0.16 | 0.20 | 0.18 | | |
| 28 | 0.16 | 0.16 | 0.65 | 1.12 | 3.03 | 3.44 | 1.28 | 0.70 | 0.43 | 0.16 | 0.20 | 0.16 | | |
| 29 | 0.17 | 0.16 | 0.57 | 0.87 | 3.03 | 3.44 | 1.17 | 0.70 | 0.43 | 0.16 | | 0.16 | | |
| 30 | 0.17 | 0.12 | 0.51 | 0.70 | 3.03 | 2.88 | 1.12 | 0.70 | 0.43 | 0.16 | | 0.16 | | |
| 31 | | 0.10 | | 0.83 | 14.95 | | 1.12 | | 0.51 | 0.16 | | 0.16 | | |
| Total | 5.03 | 4.94 | 4.88 | 20.93 | 235.24 | 308.15 | 92.42 | 27.36 | 16.45 | 7.29 | 5.30 | 5.50 | 733.49 | CMSDAY |
| Mean | 0.17 | 0.16 | 0.16 | 0.68 | 7.59 | 10.27 | 2.98 | 0.91 | 0.53 | 0.24 | 0.19 | 0.18 | 2.01 | CMS |
| Max | 0.19 | 0.17 | 0.65 | 1.44 | 75.76 | 41.30 | 16.91 | 1.12 | 0.70 | 0.59 | 0.20 | 0.18 | 75.76 | CMS |
| Min | 0.16 | 0.10 | 0.04 | 0.36 | 0.91 | 1.78 | 1.12 | 0.70 | 0.43 | 0.06 | 0.16 | 0.16 | 0.04 | CMS |
| Runoff | 0.43 | 0.43 | 0.42 | 1.81 | 20.32 | 26.62 | 7.99 | 2.36 | 1.42 | 0.63 | 0.46 | 0.48 | 63.37 | MCM |

Momentary Peak 190.00 CMS. at 7.45 m. (A.D.) at 10.00 Hours , on Aug 8 , 2006

Runoff Yield 13.31 Liters/Second/Square KM. Momentary Peak Yield 1258.28 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE ING RIVER BASIN

### Nam Mae Ing at Ban Nam Ing , Chiang Rai (I.14)

Lat 19 - 49 - 56 N Long 100 - 12 - 15 E

**Location : on right bank at the bridge on the road about 2 kilometers from Amphoe Khun Tan.**

**Ban** Nam Ing **Amphoe** Khun Tan **Changwat** Chiang Rai

| | |
|---|---|
| **Drainge Area** | 6,266 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +351.430 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank downstream side at the approach of the bridge. **Elevation** +362.110 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1993 to date |
| **Rating Operation** | |
| **Period of Rating** | 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1993 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the local weir about 100 meters downstream from the gage site. Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

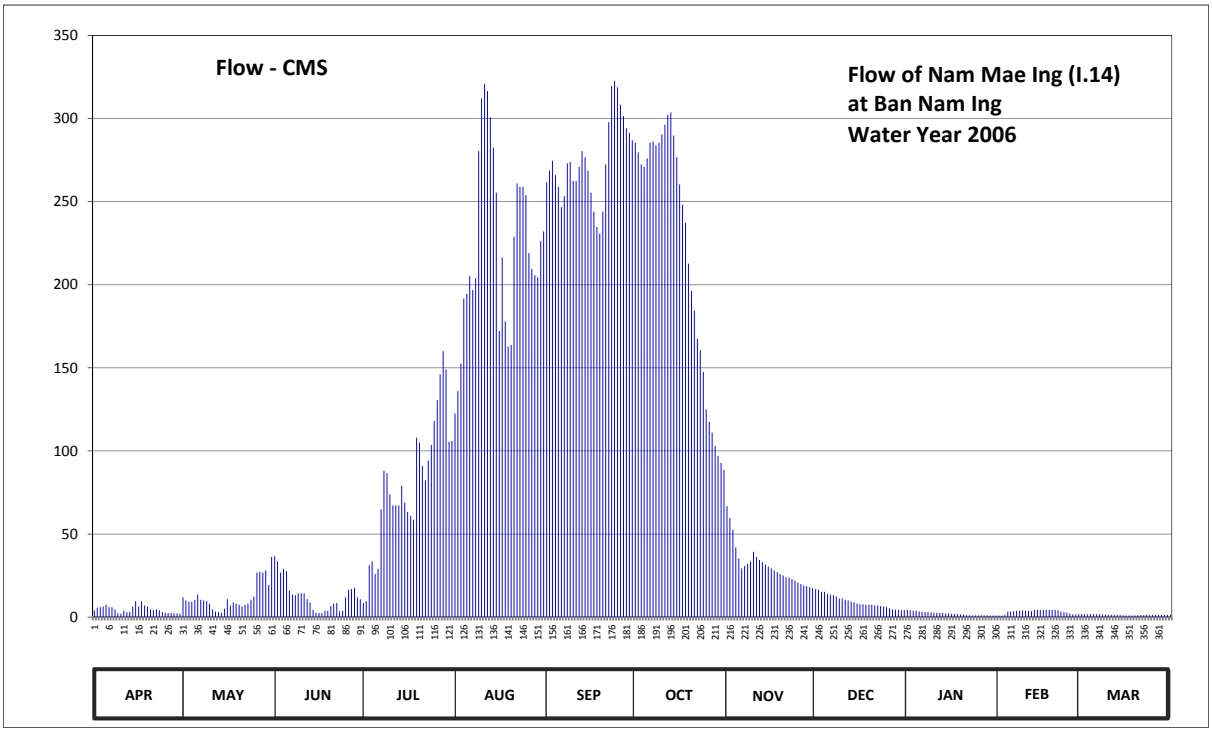
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 353.07 | 353.31 | 353.88 | 353.22 | 355.68 | 358.11 | 358.44 | 354.53 | 353.43 | 353.10 | 352.40 | 352.81 | |
| 2 | 353.14 | 353.26 | 353.81 | 353.25 | 355.95 | 358.21 | 358.36 | 354.38 | 353.42 | 353.09 | 352.39 | 352.80 | |
| 3 | 353.15 | 353.24 | 353.66 | 353.76 | 356.28 | 358.29 | 358.26 | 354.23 | 353.39 | 353.07 | 352.69 | 352.78 | |
| 4 | 353.16 | 353.24 | 353.71 | 353.81 | 357.02 | 358.17 | 358.24 | 354.00 | 353.39 | 353.06 | 353.03 | 352.78 | |
| 5 | 353.19 | 353.27 | 353.68 | 353.64 | 357.07 | 358.07 | 358.31 | 353.85 | 353.36 | 353.04 | 353.04 | 352.78 | |
| 6 | 353.15 | 353.35 | 353.41 | 353.71 | 357.25 | 357.89 | 358.44 | 353.72 | 353.35 | 353.03 | 353.05 | 352.77 | |
| 7 | 353.15 | 353.27 | 353.35 | 354.49 | 357.11 | 357.99 | 358.45 | 353.75 | 353.34 | 353.02 | 353.06 | 352.75 | |
| 8 | 353.11 | 353.26 | 353.34 | 354.98 | 357.23 | 358.27 | 358.42 | 353.78 | 353.32 | 353.01 | 353.07 | 352.74 | |
| 9 | 352.94 | 353.25 | 353.37 | 354.95 | 358.37 | 358.28 | 358.44 | 353.81 | 353.29 | 353.00 | 353.08 | 352.71 | |
| 10 | 352.88 | 353.21 | 353.37 | 354.68 | 358.80 | 358.12 | 358.51 | 353.94 | 353.29 | 352.99 | 353.07 | 352.63 | |
| 11 | 353.07 | 353.11 | 353.37 | 354.54 | 358.92 | 358.12 | 358.59 | 353.87 | 353.27 | 352.97 | 353.06 | 352.63 | |
| 12 | 353.01 | 353.04 | 353.28 | 354.54 | 358.86 | 358.24 | 358.67 | 353.83 | 353.26 | 352.96 | 353.05 | 352.62 | |
| 13 | 353.03 | 353.01 | 353.23 | 354.54 | 358.65 | 358.37 | 358.69 | 353.80 | 353.24 | 352.94 | 353.10 | 352.61 | |
| 14 | 353.16 | 352.98 | 353.10 | 354.79 | 358.40 | 358.32 | 358.50 | 353.77 | 353.23 | 352.92 | 353.10 | 352.60 | |
| 15 | 353.25 | 353.12 | 352.99 | 354.58 | 358.02 | 358.21 | 358.32 | 353.74 | 353.21 | 352.91 | 353.10 | 352.53 | |
| 16 | 353.16 | 353.28 | 352.96 | 354.46 | 356.66 | 358.02 | 358.09 | 353.72 | 353.20 | 352.87 | 353.10 | 352.50 | |
| 17 | 353.25 | 353.18 | 352.94 | 354.41 | 357.43 | 357.85 | 357.91 | 353.69 | 353.20 | 352.83 | 353.10 | 352.48 | |
| 18 | 353.18 | 353.23 | 353.07 | 354.36 | 356.77 | 357.71 | 357.75 | 353.67 | 353.19 | 352.80 | 353.10 | 352.46 | |
| 19 | 353.16 | 353.21 | 353.06 | 355.39 | 356.48 | 357.65 | 357.37 | 353.64 | 353.19 | 352.74 | 353.10 | 352.46 | |
| 20 | 353.11 | 353.19 | 353.17 | 355.33 | 356.50 | 357.85 | 357.10 | 353.62 | 353.19 | 352.65 | 353.10 | 352.53 | |
| 21 | 353.09 | 353.16 | 353.21 | 355.04 | 357.62 | 358.26 | 356.89 | 353.60 | 353.18 | 352.58 | 353.08 | 352.57 | |
| 22 | 353.11 | 353.19 | 353.22 | 354.86 | 358.10 | 358.61 | 356.57 | 353.59 | 353.18 | 352.50 | 353.03 | 352.58 | |
| 23 | 353.09 | 353.21 | 353.05 | 355.11 | 358.07 | 358.90 | 356.44 | 353.57 | 353.17 | 352.48 | 353.01 | 352.60 | |
| 24 | 353.01 | 353.27 | 353.07 | 355.30 | 358.07 | 358.94 | 356.18 | 353.55 | 353.16 | 352.48 | 352.98 | 352.61 | |
| 25 | 352.97 | 353.32 | 353.31 | 355.59 | 358.00 | 358.89 | 355.73 | 353.52 | 353.15 | 352.48 | 352.91 | 352.62 | |
| 26 | 352.96 | 353.66 | 353.42 | 355.84 | 357.47 | 358.75 | 355.58 | 353.50 | 353.13 | 352.47 | 352.74 | 352.63 | |
| 27 | 352.95 | 353.67 | 353.43 | 356.15 | 357.32 | 358.66 | 355.45 | 353.48 | 353.11 | 352.46 | 352.78 | 352.63 | |
| 28 | 352.92 | 353.66 | 353.45 | 356.43 | 357.26 | 358.56 | 355.29 | 353.47 | 353.10 | 352.45 | 352.82 | 352.63 | |
| 29 | 352.91 | 353.69 | 353.31 | 356.21 | 357.24 | 358.52 | 355.17 | 353.46 | 353.10 | 352.43 | | 352.63 | |
| 30 | 352.88 | 353.49 | 353.28 | 355.34 | 357.58 | 358.46 | 355.08 | 353.44 | 353.09 | 352.43 | | 352.64 | |
| 31 | | 353.87 | | 355.35 | 357.67 | | 354.99 | | 353.09 | 352.42 | | 352.65 | |
| Mean | 353.07 | 353.30 | 353.32 | 354.80 | 357.48 | 358.28 | 357.36 | 353.75 | 353.23 | 352.78 | 352.97 | 352.64 | |
| Max | 353.25 | 353.87 | 353.88 | 356.43 | 358.92 | 358.94 | 358.69 | 354.53 | 353.43 | 353.10 | 353.10 | 352.81 | 358.94 |
| Min | 352.88 | 352.98 | 352.94 | 353.22 | 355.68 | 357.65 | 354.99 | 353.44 | 353.09 | 352.42 | 352.39 | 352.46 | 352.39 |

Annual Max Momentary Gage Height 358.95 m. (MSL.) , at 06.00 Hours , on Sep 24 , 2006

Zero Gage at Bottom Elevation 351.43 m. (MSL.) , River Bed 351.06 m. (MSL.)

Left Bank Elevation 362.03 m. (MSL.) ,

Right Bank Elevation 362.04 m. (MSL.) , Drainage Are 6,266 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.85 | 11.91 | 36.60 | 8.46 | 122.50 | 261.70 | 285.40 | 66.67 | 16.86 | 4.30 | 0.95 | 1.79 | | |
| 2 | 5.66 | 9.98 | 33.45 | 9.60 | 136.00 | 268.72 | 279.60 | 59.55 | 16.44 | 4.15 | 0.94 | 1.75 | | |
| 3 | 6.00 | 9.22 | 26.74 | 31.20 | 152.50 | 274.52 | 272.35 | 52.42 | 15.19 | 3.85 | 1.48 | 1.70 | | |
| 4 | 6.34 | 9.22 | 28.95 | 33.45 | 191.65 | 265.90 | 270.90 | 42.00 | 15.19 | 3.70 | 3.25 | 1.70 | | |
| 5 | 7.36 | 10.36 | 27.62 | 25.86 | 194.53 | 258.90 | 275.97 | 35.25 | 13.96 | 3.40 | 3.40 | 1.70 | | |
| 6 | 6.00 | 13.55 | 16.02 | 28.95 | 205.13 | 246.64 | 285.40 | 29.40 | 13.55 | 3.25 | 3.55 | 1.68 | | |
| 7 | 6.00 | 10.36 | 13.55 | 64.77 | 196.83 | 253.33 | 286.12 | 30.75 | 13.14 | 3.10 | 3.70 | 1.63 | | |
| 8 | 4.64 | 9.98 | 13.14 | 88.05 | 203.87 | 273.07 | 283.95 | 32.10 | 12.32 | 2.95 | 3.85 | 1.60 | | |
| 9 | 2.38 | 9.60 | 14.37 | 86.62 | 280.32 | 273.80 | 285.40 | 33.45 | 11.12 | 2.80 | 4.00 | 1.53 | | |
| 10 | 2.03 | 8.08 | 14.37 | 73.80 | 312.00 | 262.40 | 290.48 | 39.30 | 11.12 | 2.73 | 3.85 | 1.36 | | |
| 11 | 3.85 | 4.64 | 14.37 | 67.15 | 321.00 | 262.40 | 296.28 | 36.15 | 10.36 | 2.59 | 3.70 | 1.36 | | |
| 12 | 2.95 | 3.40 | 10.74 | 67.15 | 316.50 | 270.90 | 302.25 | 34.35 | 9.98 | 2.52 | 3.55 | 1.34 | | |
| 13 | 3.25 | 2.95 | 8.84 | 67.15 | 300.75 | 280.32 | 303.75 | 33.00 | 9.22 | 2.38 | 4.30 | 1.32 | | |
| 14 | 6.34 | 2.66 | 4.30 | 79.02 | 282.50 | 276.70 | 289.75 | 31.65 | 8.84 | 2.24 | 4.30 | 1.30 | | |
| 15 | 9.60 | 4.98 | 2.73 | 69.05 | 255.40 | 268.72 | 276.70 | 30.30 | 8.08 | 2.17 | 4.30 | 1.16 | | |
| 16 | 6.34 | 10.74 | 2.52 | 63.35 | 172.15 | 255.40 | 260.30 | 29.40 | 7.70 | 2.00 | 4.30 | 1.10 | | |
| 17 | 9.60 | 7.02 | 2.38 | 60.97 | 216.45 | 243.98 | 247.97 | 28.06 | 7.70 | 1.86 | 4.30 | 1.07 | | |
| 18 | 7.02 | 8.84 | 3.85 | 58.60 | 177.93 | 234.71 | 237.35 | 27.18 | 7.36 | 1.75 | 4.30 | 1.04 | | |
| 19 | 6.34 | 8.08 | 3.70 | 108.00 | 162.70 | 230.77 | 212.63 | 25.86 | 7.36 | 1.60 | 4.30 | 1.04 | | |
| 20 | 4.64 | 7.36 | 6.68 | 105.00 | 163.75 | 243.98 | 196.25 | 24.98 | 7.36 | 1.40 | 4.30 | 1.16 | | |
| 21 | 4.15 | 6.34 | 8.08 | 90.90 | 228.81 | 272.35 | 184.45 | 24.10 | 7.02 | 1.26 | 4.00 | 1.24 | | |
| 22 | 4.64 | 7.36 | 8.46 | 82.35 | 261.00 | 297.75 | 167.43 | 23.67 | 7.02 | 1.10 | 3.25 | 1.26 | | |
| 23 | 4.15 | 8.08 | 3.55 | 94.22 | 258.90 | 319.50 | 160.60 | 22.81 | 6.68 | 1.07 | 2.95 | 1.30 | | |
| 24 | 2.95 | 10.36 | 3.85 | 103.50 | 258.90 | 322.50 | 147.50 | 21.95 | 6.34 | 1.07 | 2.66 | 1.32 | | |
| 25 | 2.59 | 12.32 | 11.91 | 118.00 | 254.00 | 318.75 | 125.00 | 20.66 | 6.00 | 1.07 | 2.17 | 1.34 | | |
| 26 | 2.52 | 26.74 | 16.44 | 130.50 | 219.05 | 308.25 | 117.50 | 19.80 | 5.32 | 1.06 | 1.60 | 1.36 | | |
| 27 | 2.45 | 27.18 | 16.86 | 146.00 | 209.50 | 301.50 | 111.00 | 18.96 | 4.64 | 1.04 | 1.70 | 1.36 | | |
| 28 | 2.24 | 26.74 | 17.70 | 160.08 | 205.75 | 294.10 | 103.00 | 18.54 | 4.30 | 1.03 | 1.82 | 1.36 | | |
| 29 | 2.17 | 28.06 | 11.91 | 149.00 | 204.50 | 291.20 | 97.07 | 18.12 | 4.30 | 1.00 | | 1.36 | | |
| 30 | 2.03 | 19.38 | 10.74 | 105.50 | 226.20 | 286.85 | 92.80 | 17.28 | 4.15 | 1.00 | | 1.38 | | |
| 31 | | 36.15 | | 106.00 | 232.08 | | 88.52 | | 4.15 | 0.98 | | 1.40 | | |
| Total | 140.08 | 371.64 | 394.42 | 2482.25 | 6923.15 | 8219.61 | 6833.67 | 927.71 | 282.77 | 66.42 | 90.77 | 43.01 | 26775.50 | CMSDAY |
| Mean | 4.67 | 11.99 | 13.15 | 80.07 | 223.33 | 273.99 | 220.44 | 30.92 | 9.12 | 2.14 | 3.24 | 1.39 | 73.36 | CMS |
| Max | 9.60 | 36.15 | 36.60 | 160.08 | 321.00 | 322.50 | 303.75 | 66.67 | 16.86 | 4.30 | 4.30 | 1.79 | 322.50 | CMS |
| Min | 2.03 | 2.66 | 2.38 | 8.46 | 122.50 | 230.77 | 88.52 | 17.28 | 4.15 | 0.98 | 0.94 | 1.04 | 0.94 | CMS |
| Runoff | 12.10 | 32.11 | 34.08 | 214.47 | 598.16 | 710.17 | 590.43 | 80.15 | 24.43 | 5.74 | 7.84 | 3.72 | 2313.40 | MCM |

Momentary Peak 323.25 CMS. at 358.95 m. (MSL.) at 06.00 Hours , on Sep 24 , 2006

Runoff Yield 11.71 Liters/Second/Square KM. Momentary Peak Yield 51.59 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE ING RIVER BASIN

### Nam Mae Ing at Ban Jae Dee Ngam , Phayao (I.17)

Lat 19 - 10 - 11 N Long 99 - 56 - 13 E

**Location : on left bank at Ban Jae Dee Ngam.**

| | | | |
|---|---|---|---|
| | **Ban** Jae Dee Ngam | **Amphoe** Mueang | **Changwat** Phayao |
| **Drainge Area** | 1,167 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 10 meters from the top staff gage. | **Elevation** | +3.000 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

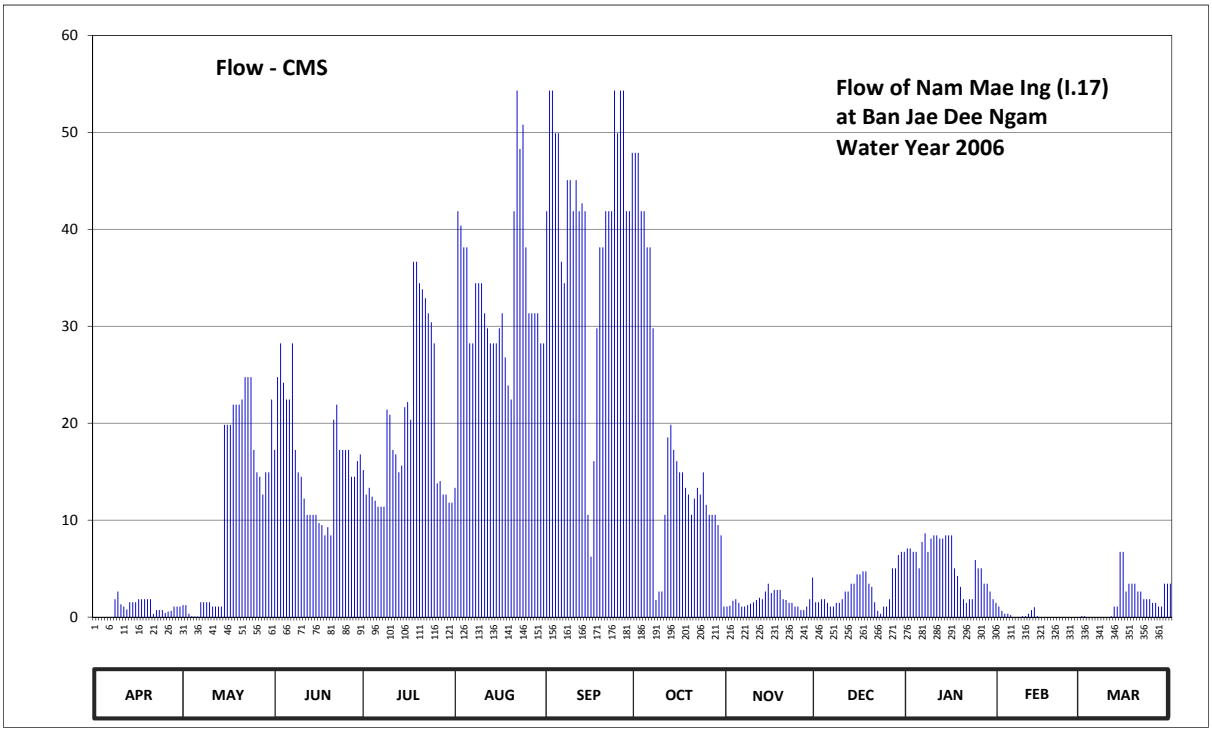
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.45 | 0.32 | 1.20 | 1.11 | 1.03 | 2.00 | 2.15 | 0.30 | 0.36 | 0.72 | 0.30 | 0.10 | |
| 2 | -0.45 | 0.32 | 1.48 | 1.00 | 2.00 | 2.30 | 2.15 | 0.31 | 0.36 | 0.72 | 0.24 | 0.10 | |
| 3 | -0.45 | 0.20 | 1.60 | 1.03 | 1.96 | 2.30 | 2.00 | 0.38 | 0.40 | 0.70 | 0.20 | -0.50 | |
| 4 | -0.45 | 0.10 | 1.46 | 0.99 | 1.90 | 2.20 | 2.00 | 0.40 | 0.40 | 0.70 | 0.20 | -0.50 | |
| 5 | -0.45 | 0.06 | 1.40 | 0.97 | 1.90 | 2.20 | 1.90 | 0.35 | 0.35 | 0.60 | 0.15 | -0.50 | |
| 6 | -0.40 | 0.06 | 1.40 | 0.94 | 1.60 | 1.86 | 1.90 | 0.30 | 0.30 | 0.76 | -0.50 | -0.50 | |
| 7 | -0.40 | 0.36 | 1.60 | 0.94 | 1.60 | 1.80 | 1.65 | 0.30 | 0.30 | 0.81 | -0.50 | -0.50 | |
| 8 | 0.40 | 0.36 | 1.20 | 0.94 | 1.80 | 2.08 | 0.39 | 0.32 | 0.35 | 0.70 | -0.70 | -0.70 | |
| 9 | 0.45 | 0.36 | 1.10 | 1.36 | 1.80 | 2.08 | 0.45 | 0.34 | 0.35 | 0.78 | 0.10 | -0.70 | |
| 10 | 0.33 | 0.36 | 1.08 | 1.34 | 1.80 | 2.00 | 0.45 | 0.36 | 0.40 | 0.80 | 0.10 | -0.70 | |
| 11 | 0.30 | 0.30 | 0.98 | 1.20 | 1.70 | 2.08 | 0.90 | 0.39 | 0.45 | 0.80 | 0.20 | 0.10 | |
| 12 | 0.26 | 0.30 | 0.90 | 1.18 | 1.65 | 2.00 | 1.25 | 0.41 | 0.45 | 0.78 | 0.25 | 0.30 | |
| 13 | 0.36 | 0.30 | 0.90 | 1.10 | 1.60 | 2.02 | 1.30 | 0.40 | 0.50 | 0.78 | 0.29 | 0.30 | |
| 14 | 0.36 | 0.30 | 0.90 | 1.13 | 1.60 | 2.00 | 1.20 | 0.45 | 0.50 | 0.80 | 0.10 | 0.70 | |
| 15 | 0.36 | 1.30 | 0.90 | 1.37 | 1.60 | 0.90 | 1.15 | 0.50 | 0.56 | 0.80 | -0.50 | 0.70 | |
| 16 | 0.40 | 1.30 | 0.86 | 1.39 | 1.65 | 0.67 | 1.10 | 0.44 | 0.56 | 0.80 | -0.50 | 0.45 | |
| 17 | 0.40 | 1.30 | 0.85 | 1.32 | 1.70 | 1.15 | 1.10 | 0.46 | 0.58 | 0.60 | -0.70 | 0.50 | |
| 18 | 0.40 | 1.38 | 0.80 | 1.86 | 1.55 | 1.65 | 1.03 | 0.46 | 0.58 | 0.55 | -0.10 | 0.50 | |
| 19 | 0.40 | 1.38 | 0.84 | 1.86 | 1.45 | 1.90 | 1.00 | 0.46 | 0.50 | 0.48 | 0.00 | 0.50 | |
| 20 | 0.40 | 1.38 | 0.80 | 1.80 | 1.40 | 1.90 | 0.90 | 0.40 | 0.48 | 0.40 | 0.00 | 0.45 | |
| 21 | 0.20 | 1.40 | 1.32 | 1.78 | 2.00 | 2.00 | 0.98 | 0.39 | 0.36 | 0.35 | -0.70 | 0.45 | |
| 22 | 0.25 | 1.48 | 1.38 | 1.75 | 2.30 | 2.00 | 1.03 | 0.35 | 0.24 | 0.40 | -0.58 | 0.40 | |
| 23 | 0.25 | 1.48 | 1.20 | 1.70 | 2.16 | 2.00 | 1.00 | 0.35 | 0.20 | 0.40 | -0.70 | 0.40 | |
| 24 | 0.25 | 1.48 | 1.20 | 1.67 | 2.22 | 2.30 | 1.10 | 0.30 | 0.30 | 0.65 | -0.90 | 0.40 | |
| 25 | 0.21 | 1.20 | 1.20 | 1.60 | 1.90 | 2.20 | 0.95 | 0.30 | 0.30 | 0.60 | -0.90 | 0.35 | |
| 26 | 0.23 | 1.10 | 1.20 | 1.05 | 1.70 | 2.30 | 0.90 | 0.25 | 0.40 | 0.60 | -0.90 | 0.35 | |
| 27 | 0.24 | 1.08 | 1.08 | 1.06 | 1.70 | 2.30 | 0.90 | 0.25 | 0.60 | 0.50 | -0.10 | 0.30 | |
| 28 | 0.30 | 1.00 | 1.08 | 1.00 | 1.70 | 2.00 | 0.90 | 0.30 | 0.60 | 0.50 | -0.10 | 0.30 | |
| 29 | 0.30 | 1.10 | 1.15 | 1.00 | 1.70 | 2.00 | 0.85 | 0.40 | 0.68 | 0.45 | | 0.50 | |
| 30 | 0.30 | 1.10 | 1.18 | 0.96 | 1.60 | 2.15 | 0.80 | 0.54 | 0.70 | 0.40 | | 0.50 | |
| 31 | | 1.40 | | 0.96 | 1.60 | | 0.30 | | 0.70 | 0.35 | | 0.50 | |
| Mean | 0.14 | 0.82 | 1.14 | 1.27 | 1.74 | 1.94 | 1.15 | 0.37 | 0.45 | 0.62 | -0.22 | 0.15 | |
| Max | 0.45 | 1.48 | 1.60 | 1.86 | 2.30 | 2.30 | 2.15 | 0.54 | 0.70 | 0.81 | 0.30 | 0.70 | 2.30 |
| Min | -0.45 | 0.06 | 0.80 | 0.94 | 1.03 | 0.67 | 0.30 | 0.25 | 0.20 | 0.35 | -0.90 | -0.70 | -0.90 |

Annual Max Momentary Gage Height 2.30 m. (A.D.) , at 06.00 Hours , on Sep 22, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -1.49 m. (A.D.) ,

Left Bank Elevation 4.29 m. (A.D.) ,

Right Bank Elevation 4.31 m. (A.D.) , Drainage Are 1,167 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 1.24 | 17.24 | 15.17 | 13.33 | 41.87 | 47.89 | 1.09 | 1.54 | 7.08 | 1.09 | 0.10 | | |
| 2 | 0.00 | 1.24 | 24.76 | 12.64 | 41.87 | 54.32 | 47.89 | 1.17 | 1.54 | 7.08 | 0.64 | 0.10 | | |
| 3 | 0.00 | 0.34 | 28.24 | 13.33 | 40.38 | 54.32 | 41.87 | 1.69 | 1.84 | 6.74 | 0.34 | 0.00 | | |
| 4 | 0.00 | 0.10 | 24.18 | 12.43 | 38.14 | 49.91 | 41.87 | 1.84 | 1.84 | 6.74 | 0.34 | 0.00 | | |
| 5 | 0.00 | 0.06 | 22.44 | 12.01 | 38.14 | 49.91 | 38.14 | 1.47 | 1.47 | 5.04 | 0.22 | 0.00 | | |
| 6 | 0.00 | 0.06 | 22.44 | 11.38 | 28.24 | 36.66 | 38.14 | 1.09 | 1.09 | 7.76 | 0.00 | 0.00 | | |
| 7 | 0.00 | 1.54 | 28.24 | 11.38 | 28.24 | 34.44 | 29.79 | 1.09 | 1.09 | 8.65 | 0.00 | 0.00 | | |
| 8 | 1.84 | 1.54 | 17.24 | 11.38 | 34.44 | 45.07 | 1.77 | 1.24 | 1.47 | 6.74 | 0.00 | 0.00 | | |
| 9 | 2.64 | 1.54 | 14.94 | 21.40 | 34.44 | 45.07 | 2.64 | 1.39 | 1.47 | 8.10 | 0.10 | 0.00 | | |
| 10 | 1.32 | 1.54 | 14.48 | 20.88 | 34.44 | 41.87 | 2.64 | 1.54 | 1.84 | 8.44 | 0.10 | 0.00 | | |
| 11 | 1.09 | 1.09 | 12.22 | 17.24 | 31.34 | 45.07 | 10.54 | 1.77 | 2.64 | 8.44 | 0.34 | 0.10 | | |
| 12 | 0.79 | 1.09 | 10.54 | 16.78 | 29.79 | 41.87 | 18.54 | 2.00 | 2.64 | 8.10 | 0.72 | 1.09 | | |
| 13 | 1.54 | 1.09 | 10.54 | 14.94 | 28.24 | 42.67 | 19.84 | 1.84 | 3.44 | 8.10 | 1.02 | 1.09 | | |
| 14 | 1.54 | 1.09 | 10.54 | 15.63 | 28.24 | 41.87 | 17.24 | 2.64 | 3.44 | 8.44 | 0.10 | 6.74 | | |
| 15 | 1.54 | 19.84 | 10.54 | 21.66 | 28.24 | 10.54 | 16.09 | 3.44 | 4.40 | 8.44 | 0.00 | 6.74 | | |
| 16 | 1.84 | 19.84 | 9.70 | 22.18 | 29.79 | 6.23 | 14.94 | 2.48 | 4.40 | 8.44 | 0.00 | 2.64 | | |
| 17 | 1.84 | 19.84 | 9.49 | 20.36 | 31.34 | 16.09 | 14.94 | 2.80 | 4.72 | 5.04 | 0.00 | 3.44 | | |
| 18 | 1.84 | 21.92 | 8.44 | 36.66 | 26.79 | 29.79 | 13.33 | 2.80 | 4.72 | 4.24 | 0.00 | 3.44 | | |
| 19 | 1.84 | 21.92 | 9.28 | 36.66 | 23.89 | 38.14 | 12.64 | 2.80 | 3.44 | 3.12 | 0.00 | 3.44 | | |
| 20 | 1.84 | 21.92 | 8.44 | 34.44 | 22.44 | 38.14 | 10.54 | 1.84 | 3.12 | 1.84 | 0.00 | 2.64 | | |
| 21 | 0.34 | 22.44 | 20.36 | 33.82 | 41.87 | 41.87 | 12.22 | 1.77 | 1.54 | 1.47 | 0.00 | 2.64 | | |
| 22 | 0.72 | 24.76 | 21.92 | 32.89 | 54.32 | 41.87 | 13.33 | 1.47 | 0.64 | 1.84 | 0.00 | 1.84 | | |
| 23 | 0.72 | 24.76 | 17.24 | 31.34 | 48.29 | 41.87 | 12.64 | 1.47 | 0.34 | 1.84 | 0.00 | 1.84 | | |
| 24 | 0.72 | 24.76 | 17.24 | 30.41 | 50.79 | 54.32 | 14.94 | 1.09 | 1.09 | 5.89 | 0.00 | 1.84 | | |
| 25 | 0.42 | 17.24 | 17.24 | 28.24 | 38.14 | 49.91 | 11.59 | 1.09 | 1.09 | 5.04 | 0.00 | 1.47 | | |
| 26 | 0.57 | 14.94 | 17.24 | 13.79 | 31.34 | 54.32 | 10.54 | 0.72 | 1.84 | 5.04 | 0.00 | 1.47 | | |
| 27 | 0.64 | 14.48 | 14.48 | 14.02 | 31.34 | 54.32 | 10.54 | 0.72 | 5.04 | 3.44 | 0.00 | 1.09 | | |
| 28 | 1.09 | 12.64 | 14.48 | 12.64 | 31.34 | 41.87 | 10.54 | 1.09 | 5.04 | 3.44 | 0.00 | 1.09 | | |
| 29 | 1.09 | 14.94 | 16.09 | 12.64 | 31.34 | 41.87 | 9.49 | 1.84 | 6.40 | 2.64 | | 3.44 | | |
| 30 | 1.09 | 14.94 | 16.78 | 11.80 | 28.24 | 47.89 | 8.44 | 4.08 | 6.74 | 1.84 | | 3.44 | | |
| 31 | | 22.44 | | 11.80 | 28.24 | | 1.09 | | 6.74 | 1.47 | | 3.44 | | |
| Total | 28.90 | 347.18 | 487.00 | 611.94 | 1027.01 | 1233.96 | 556.64 | 53.36 | 88.65 | 170.52 | 5.01 | 55.16 | 4665.33 | CMSDAY |
| Mean | 0.96 | 11.20 | 16.23 | 19.74 | 33.13 | 41.13 | 17.96 | 1.78 | 2.86 | 5.50 | 0.18 | 1.78 | 12.78 | CMS |
| Max | 2.64 | 24.76 | 28.24 | 36.66 | 54.32 | 54.32 | 47.89 | 4.08 | 6.74 | 8.65 | 1.09 | 6.74 | 54.32 | CMS |
| Min | 0.00 | 0.06 | 8.44 | 11.38 | 13.33 | 6.23 | 1.09 | 0.72 | 0.34 | 1.47 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 2.50 | 30.00 | 42.08 | 52.87 | 88.73 | 106.61 | 48.09 | 4.61 | 7.66 | 14.73 | 0.43 | 4.77 | 403.08 | MCM |

Momentary Peak 54.31 CMS. at 2.30 m. (A.D.) at 06.00 Hours , on Sep 22 , 2006

Runoff Yield 10.95 Liters/Second/Square KM. Momentary Peak Yield 46.54 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE KOK RIVER BASIN

### Nam Mae Kon at Ban Pang Rim Kon , Chiang Rai (G.4)

Lat 19 - 50 - 23 N Long 99 - 40 - 27 E

**Location : on left bank at Ban Pang Rim Kon.**

**Ban** Pang Rim Kon **Amphoe** Mueang **Changwat** Chiang Rai

| | |
|---|---|
| **Drainge Area** | 49 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +461.700 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 66.50 meters from the top staff gage. **Elevation** +465.100 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1983 to date |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date |
| **Stability of Channel Regimes** | Fairly stable with variable water surface slope. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +463.770 m.(MSL.)and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 24 discharge measurements made in 2006 |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

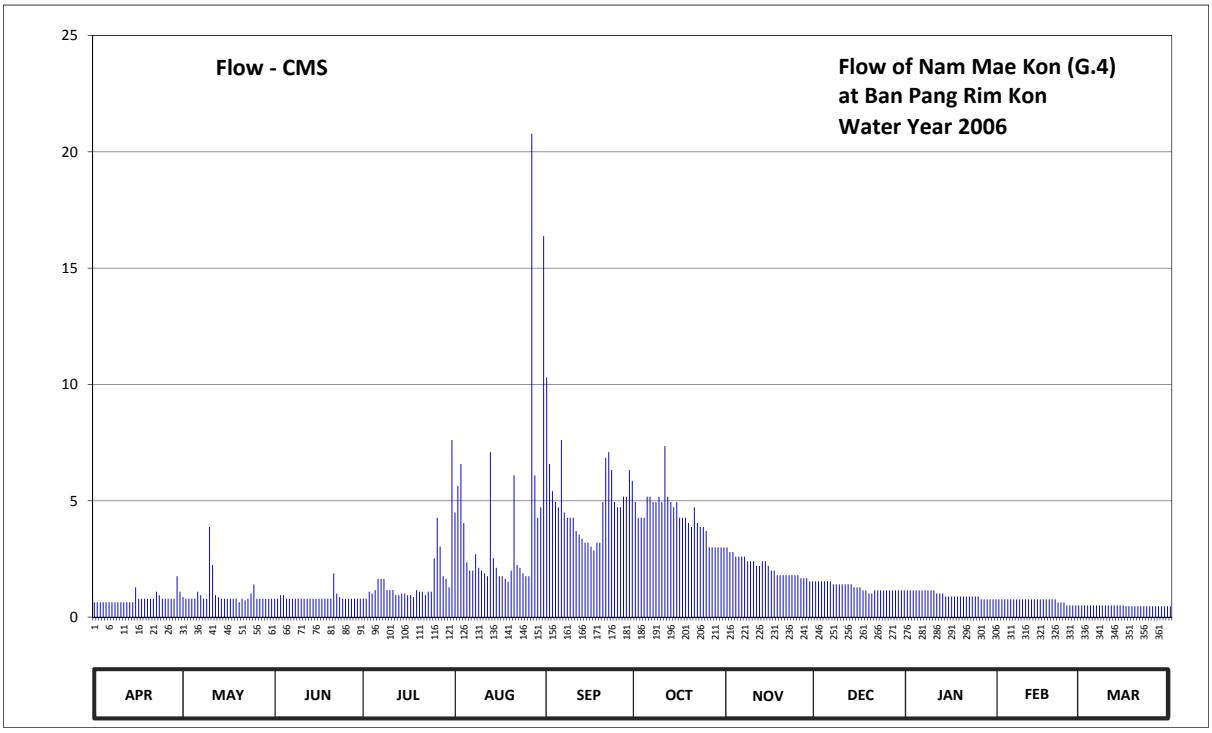
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 462.33 | 462.36 | 462.35 | 462.35 | 462.62 | 462.85 | 462.64 | 462.56 | 462.48 | 462.45 | 462.42 | 462.40 | |
| 2 | 462.33 | 462.35 | 462.35 | 462.35 | 462.67 | 462.71 | 462.61 | 462.55 | 462.48 | 462.45 | 462.42 | 462.40 | |
| 3 | 462.33 | 462.35 | 462.37 | 462.39 | 462.71 | 462.66 | 462.61 | 462.55 | 462.48 | 462.45 | 462.42 | 462.40 | |
| 4 | 462.33 | 462.35 | 462.37 | 462.38 | 462.60 | 462.64 | 462.61 | 462.54 | 462.48 | 462.45 | 462.42 | 462.40 | |
| 5 | 462.33 | 462.35 | 462.35 | 462.40 | 462.50 | 462.63 | 462.65 | 462.54 | 462.48 | 462.45 | 462.42 | 462.40 | |
| 6 | 462.33 | 462.39 | 462.35 | 462.44 | 462.47 | 462.75 | 462.65 | 462.54 | 462.48 | 462.45 | 462.42 | 462.40 | |
| 7 | 462.33 | 462.37 | 462.35 | 462.44 | 462.47 | 462.62 | 462.64 | 462.54 | 462.47 | 462.45 | 462.42 | 462.40 | |
| 8 | 462.33 | 462.35 | 462.35 | 462.44 | 462.52 | 462.61 | 462.64 | 462.53 | 462.47 | 462.45 | 462.42 | 462.40 | |
| 9 | 462.33 | 462.35 | 462.35 | 462.40 | 462.48 | 462.61 | 462.65 | 462.53 | 462.47 | 462.45 | 462.42 | 462.40 | |
| 10 | 462.33 | 462.59 | 462.35 | 462.40 | 462.47 | 462.61 | 462.64 | 462.53 | 462.47 | 462.45 | 462.42 | 462.40 | |
| 11 | 462.33 | 462.49 | 462.35 | 462.40 | 462.46 | 462.58 | 462.74 | 462.52 | 462.47 | 462.44 | 462.42 | 462.40 | |
| 12 | 462.33 | 462.37 | 462.35 | 462.37 | 462.45 | 462.57 | 462.65 | 462.52 | 462.47 | 462.44 | 462.42 | 462.40 | |
| 13 | 462.33 | 462.36 | 462.35 | 462.37 | 462.73 | 462.56 | 462.64 | 462.53 | 462.47 | 462.44 | 462.42 | 462.40 | |
| 14 | 462.33 | 462.35 | 462.35 | 462.38 | 462.51 | 462.55 | 462.63 | 462.53 | 462.46 | 462.43 | 462.42 | 462.40 | |
| 15 | 462.41 | 462.35 | 462.35 | 462.38 | 462.48 | 462.55 | 462.64 | 462.52 | 462.46 | 462.43 | 462.42 | 462.40 | |
| 16 | 462.35 | 462.35 | 462.35 | 462.37 | 462.45 | 462.54 | 462.61 | 462.51 | 462.46 | 462.43 | 462.42 | 462.39 | |
| 17 | 462.35 | 462.35 | 462.35 | 462.37 | 462.45 | 462.53 | 462.61 | 462.51 | 462.45 | 462.43 | 462.42 | 462.39 | |
| 18 | 462.35 | 462.35 | 462.35 | 462.36 | 462.44 | 462.55 | 462.61 | 462.50 | 462.45 | 462.43 | 462.42 | 462.39 | |
| 19 | 462.35 | 462.35 | 462.35 | 462.40 | 462.43 | 462.55 | 462.60 | 462.50 | 462.44 | 462.43 | 462.42 | 462.39 | |
| 20 | 462.35 | 462.33 | 462.35 | 462.39 | 462.47 | 462.64 | 462.59 | 462.50 | 462.44 | 462.43 | 462.42 | 462.39 | |
| 21 | 462.35 | 462.35 | 462.46 | 462.39 | 462.69 | 462.72 | 462.63 | 462.50 | 462.45 | 462.43 | 462.41 | 462.39 | |
| 22 | 462.39 | 462.34 | 462.38 | 462.37 | 462.49 | 462.73 | 462.60 | 462.50 | 462.45 | 462.43 | 462.41 | 462.39 | |
| 23 | 462.37 | 462.35 | 462.36 | 462.39 | 462.48 | 462.70 | 462.59 | 462.50 | 462.45 | 462.43 | 462.41 | 462.39 | |
| 24 | 462.35 | 462.38 | 462.35 | 462.39 | 462.46 | 462.64 | 462.59 | 462.50 | 462.45 | 462.43 | 462.40 | 462.39 | |
| 25 | 462.35 | 462.42 | 462.35 | 462.51 | 462.45 | 462.63 | 462.58 | 462.50 | 462.45 | 462.43 | 462.40 | 462.39 | |
| 26 | 462.35 | 462.35 | 462.35 | 462.61 | 462.45 | 462.63 | 462.56 | 462.49 | 462.45 | 462.42 | 462.40 | 462.39 | |
| 27 | 462.35 | 462.35 | 462.35 | 462.54 | 463.16 | 462.65 | 462.56 | 462.49 | 462.45 | 462.42 | 462.40 | 462.39 | |
| 28 | 462.35 | 462.35 | 462.35 | 462.45 | 462.69 | 462.65 | 462.56 | 462.49 | 462.45 | 462.42 | 462.40 | 462.39 | |
| 29 | 462.45 | 462.35 | 462.35 | 462.44 | 462.61 | 462.70 | 462.56 | 462.48 | 462.45 | 462.42 | | 462.39 | |
| 30 | 462.39 | 462.35 | 462.35 | 462.41 | 462.63 | 462.68 | 462.56 | 462.48 | 462.45 | 462.42 | | 462.39 | |
| 31 | | 462.35 | | 462.75 | 463.04 | | 462.56 | | 462.45 | 462.42 | | 462.39 | |
| Mean | 462.35 | 462.37 | 462.36 | 462.42 | 462.57 | 462.63 | 462.61 | 462.52 | 462.46 | 462.44 | 462.42 | 462.39 | |
| Max | 462.45 | 462.59 | 462.46 | 462.75 | 463.16 | 462.85 | 462.74 | 462.56 | 462.48 | 462.45 | 462.42 | 462.40 | 463.16 |
| Min | 462.33 | 462.33 | 462.35 | 462.35 | 462.43 | 462.53 | 462.56 | 462.48 | 462.44 | 462.42 | 462.40 | 462.39 | 462.33 |

Annual Max Momentary Gage Height 464.48 m. (MSL.) , at 04.00 Hours , on Aug 27 , 2006

Zero Gage at Bottom Elevation 461.70 m. (MSL.) , River Bed 462.08 m. (MSL.)

Left Bank Elevation 464.91 m. (MSL.) ,

Right Bank Elevation 463.76 m. (MSL.) , Drainage Are 49 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.64 | 0.86 | 0.79 | 0.79 | 4.50 | 10.30 | 4.95 | 3.00 | 1.54 | 1.15 | 0.76 | 0.50 | | |
| 2 | 0.64 | 0.79 | 0.79 | 0.79 | 5.64 | 6.58 | 4.27 | 2.80 | 1.54 | 1.15 | 0.76 | 0.50 | | |
| 3 | 0.64 | 0.79 | 0.94 | 1.09 | 6.58 | 5.41 | 4.27 | 2.80 | 1.54 | 1.15 | 0.76 | 0.50 | | |
| 4 | 0.64 | 0.79 | 0.94 | 1.01 | 4.04 | 4.95 | 4.27 | 2.60 | 1.54 | 1.15 | 0.76 | 0.50 | | |
| 5 | 0.64 | 0.79 | 0.79 | 1.16 | 2.36 | 4.72 | 5.18 | 2.60 | 1.54 | 1.15 | 0.76 | 0.50 | | |
| 6 | 0.64 | 1.09 | 0.79 | 1.64 | 2.00 | 7.61 | 5.18 | 2.60 | 1.54 | 1.15 | 0.76 | 0.50 | | |
| 7 | 0.64 | 0.94 | 0.79 | 1.64 | 2.00 | 4.50 | 4.95 | 2.60 | 1.41 | 1.15 | 0.76 | 0.50 | | |
| 8 | 0.64 | 0.79 | 0.79 | 1.64 | 2.70 | 4.27 | 4.95 | 2.40 | 1.41 | 1.15 | 0.76 | 0.50 | | |
| 9 | 0.64 | 0.79 | 0.79 | 1.16 | 2.12 | 4.27 | 5.18 | 2.40 | 1.41 | 1.15 | 0.76 | 0.50 | | |
| 10 | 0.64 | 3.87 | 0.79 | 1.16 | 2.00 | 4.27 | 4.95 | 2.40 | 1.41 | 1.15 | 0.76 | 0.50 | | |
| 11 | 0.64 | 2.24 | 0.79 | 1.16 | 1.88 | 3.70 | 7.35 | 2.20 | 1.41 | 1.02 | 0.76 | 0.50 | | |
| 12 | 0.64 | 0.94 | 0.79 | 0.94 | 1.76 | 3.54 | 5.18 | 2.20 | 1.41 | 1.02 | 0.76 | 0.50 | | |
| 13 | 0.64 | 0.86 | 0.79 | 0.94 | 7.09 | 3.37 | 4.95 | 2.40 | 1.41 | 1.02 | 0.76 | 0.50 | | |
| 14 | 0.64 | 0.79 | 0.79 | 1.01 | 2.53 | 3.20 | 4.72 | 2.40 | 1.28 | 0.89 | 0.76 | 0.50 | | |
| 15 | 1.28 | 0.79 | 0.79 | 1.01 | 2.12 | 3.20 | 4.95 | 2.20 | 1.28 | 0.89 | 0.76 | 0.50 | | |
| 16 | 0.79 | 0.79 | 0.79 | 0.94 | 1.76 | 3.03 | 4.27 | 2.00 | 1.28 | 0.89 | 0.76 | 0.47 | | |
| 17 | 0.79 | 0.79 | 0.79 | 0.94 | 1.76 | 2.86 | 4.27 | 2.00 | 1.15 | 0.89 | 0.76 | 0.47 | | |
| 18 | 0.79 | 0.79 | 0.79 | 0.86 | 1.64 | 3.20 | 4.27 | 1.80 | 1.15 | 0.89 | 0.76 | 0.47 | | |
| 19 | 0.79 | 0.79 | 0.79 | 1.16 | 1.52 | 3.20 | 4.04 | 1.80 | 1.02 | 0.89 | 0.76 | 0.47 | | |
| 20 | 0.79 | 0.64 | 0.79 | 1.09 | 2.00 | 4.95 | 3.87 | 1.80 | 1.02 | 0.89 | 0.76 | 0.47 | | |
| 21 | 0.79 | 0.79 | 1.88 | 1.09 | 6.09 | 6.84 | 4.72 | 1.80 | 1.15 | 0.89 | 0.63 | 0.47 | | |
| 22 | 1.09 | 0.72 | 1.01 | 0.94 | 2.24 | 7.09 | 4.04 | 1.80 | 1.15 | 0.89 | 0.63 | 0.47 | | |
| 23 | 0.94 | 0.79 | 0.86 | 1.09 | 2.12 | 6.32 | 3.87 | 1.80 | 1.15 | 0.89 | 0.63 | 0.47 | | |
| 24 | 0.79 | 1.01 | 0.79 | 1.09 | 1.88 | 4.95 | 3.87 | 1.80 | 1.15 | 0.89 | 0.50 | 0.47 | | |
| 25 | 0.79 | 1.40 | 0.79 | 2.53 | 1.76 | 4.72 | 3.70 | 1.80 | 1.15 | 0.89 | 0.50 | 0.47 | | |
| 26 | 0.79 | 0.79 | 0.79 | 4.27 | 1.76 | 4.72 | 3.00 | 1.67 | 1.15 | 0.76 | 0.50 | 0.47 | | |
| 27 | 0.79 | 0.79 | 0.79 | 3.03 | 20.78 | 5.18 | 3.00 | 1.67 | 1.15 | 0.76 | 0.50 | 0.47 | | |
| 28 | 0.79 | 0.79 | 0.79 | 1.76 | 6.09 | 5.18 | 3.00 | 1.67 | 1.15 | 0.76 | 0.50 | 0.47 | | |
| 29 | 1.76 | 0.79 | 0.79 | 1.64 | 4.27 | 6.32 | 3.00 | 1.54 | 1.15 | 0.76 | | 0.47 | | |
| 30 | 1.09 | 0.79 | 0.79 | 1.28 | 4.72 | 5.86 | 3.00 | 1.54 | 1.15 | 0.76 | | 0.47 | | |
| 31 | | 0.79 | | 7.61 | 16.37 | | 3.00 | | 1.15 | 0.76 | | 0.47 | | |
| Total | 23.81 | 30.37 | 25.38 | 48.46 | 126.08 | 148.31 | 134.22 | 64.09 | 39.94 | 29.80 | 19.59 | 15.02 | 705.07 | CMSDAY |
| Mean | 0.79 | 0.98 | 0.85 | 1.56 | 4.07 | 4.94 | 4.33 | 2.14 | 1.29 | 0.96 | 0.70 | 0.48 | 1.93 | CMS |
| Max | 1.76 | 3.87 | 1.88 | 7.61 | 20.78 | 10.30 | 7.35 | 3.00 | 1.54 | 1.15 | 0.76 | 0.50 | 20.78 | CMS |
| Min | 0.64 | 0.64 | 0.79 | 0.79 | 1.52 | 2.86 | 3.00 | 1.54 | 1.02 | 0.76 | 0.50 | 0.47 | 0.47 | CMS |
| Runoff | 2.06 | 2.62 | 2.19 | 4.19 | 10.89 | 12.81 | 11.60 | 5.54 | 3.45 | 2.57 | 1.69 | 1.30 | 60.92 | MCM |

Momentary Peak 85.12 CMS. at 464.48 m. (MSL.) at 04.00 Hours , on Aug 27 , 2006

Runoff Yield 39.42 Liters/Second/Square KM. Momentary Peak Yield 1737.14 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE KOK RIVER BASIN

### Nam Mae Lao at Ban Ton Yang , Chiang Rai (G.8)

Lat 19 - 47 - 32 N Long 99 - 45 - 11 E

**Location : on left bank at the bridge of Chiang Rai - Phayao Highway, Tambon Bua Sali.**

**Ban** Ton Yang **Amphoe** Mae Lao **Changwat** Chiang Rai

| | |
|---|---|
| **Drainge Area** | 2,909 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +405.100 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 8 meters from the top staff gage. **Elevation** +410.218 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1994 to date |
| **Rating Operation** | |
| **Period of Rating** | 1994 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1994 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Mae Lao weir situated about 10 kilometers above gage site.<br>Stage-discharge relation defined by 36 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

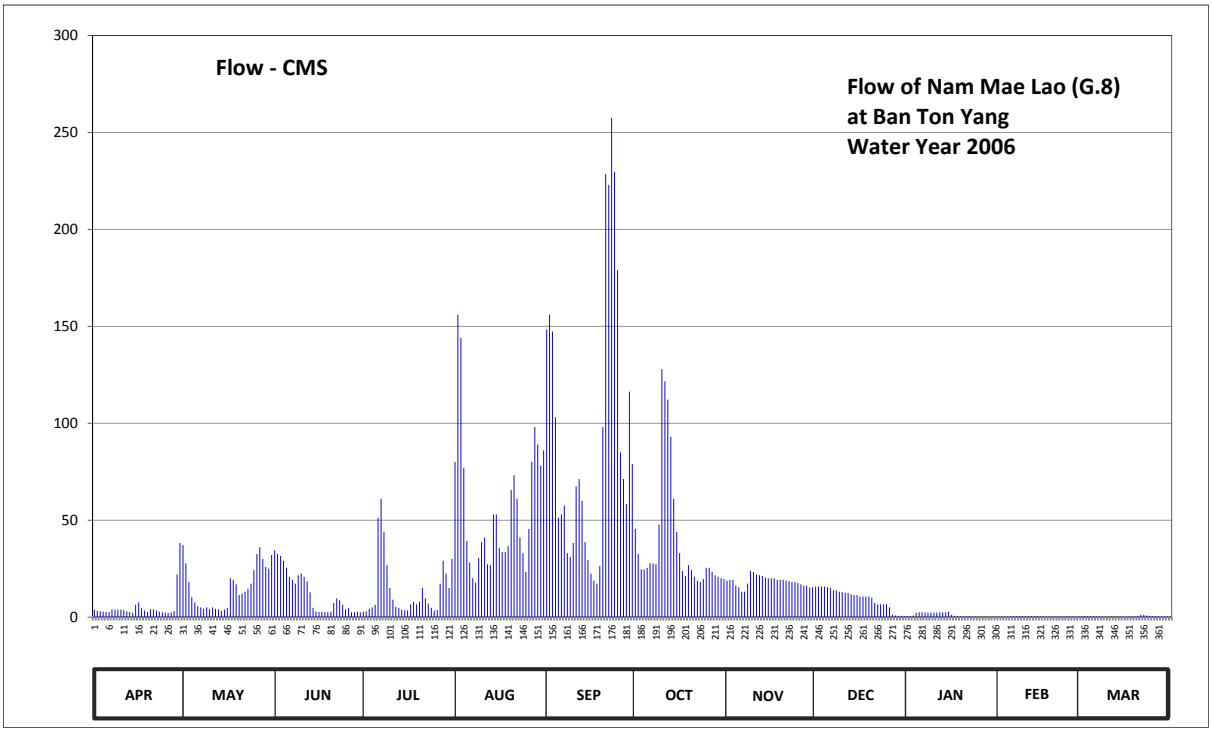
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 405.59 | 406.44 | 406.39 | 405.52 | 406.95 | 407.61 | 406.57 | 406.04 | 405.96 | 405.25 | 405.21 | 405.23 | |
| 2 | 405.55 | 406.25 | 406.35 | 405.53 | 407.68 | 407.68 | 406.35 | 406.05 | 405.96 | 405.25 | 405.21 | 405.23 | |
| 3 | 405.53 | 406.02 | 406.33 | 405.61 | 407.57 | 407.60 | 406.18 | 406.05 | 405.96 | 405.31 | 405.21 | 405.23 | |
| 4 | 405.52 | 405.81 | 406.28 | 405.64 | 406.92 | 407.18 | 406.18 | 405.97 | 405.96 | 405.47 | 405.21 | 405.23 | |
| 5 | 405.51 | 405.73 | 406.20 | 405.69 | 406.48 | 406.64 | 406.20 | 405.95 | 405.95 | 405.50 | 405.21 | 405.22 | |
| 6 | 405.51 | 405.66 | 406.09 | 406.64 | 406.26 | 406.66 | 406.25 | 405.89 | 405.94 | 405.50 | 405.22 | 405.21 | |
| 7 | 405.60 | 405.64 | 406.05 | 406.75 | 406.07 | 406.71 | 406.25 | 405.89 | 405.91 | 405.49 | 405.23 | 405.21 | |
| 8 | 405.59 | 405.61 | 406.00 | 406.55 | 406.01 | 406.36 | 406.24 | 406.00 | 405.91 | 405.48 | 405.23 | 405.20 | |
| 9 | 405.59 | 405.64 | 406.11 | 406.23 | 406.31 | 406.32 | 406.60 | 406.16 | 405.89 | 405.48 | 405.23 | 405.20 | |
| 10 | 405.59 | 405.60 | 406.13 | 405.94 | 406.47 | 406.46 | 407.42 | 406.15 | 405.88 | 405.47 | 405.23 | 405.20 | |
| 11 | 405.57 | 405.64 | 406.09 | 405.77 | 406.51 | 406.82 | 407.36 | 406.12 | 405.87 | 405.48 | 405.23 | 405.20 | |
| 12 | 405.53 | 405.61 | 406.03 | 405.65 | 406.24 | 406.86 | 407.27 | 406.11 | 405.87 | 405.50 | 405.23 | 405.20 | |
| 13 | 405.51 | 405.59 | 405.88 | 405.63 | 406.23 | 406.74 | 407.08 | 406.10 | 405.85 | 405.50 | 405.23 | 405.20 | |
| 14 | 405.47 | 405.55 | 405.63 | 405.59 | 406.66 | 406.47 | 406.75 | 406.08 | 405.84 | 405.50 | 405.23 | 405.20 | |
| 15 | 405.69 | 405.59 | 405.53 | 405.57 | 406.66 | 406.29 | 406.55 | 406.07 | 405.84 | 405.51 | 405.22 | 405.19 | |
| 16 | 405.73 | 405.63 | 405.51 | 405.57 | 406.41 | 406.13 | 406.36 | 406.07 | 405.82 | 405.35 | 405.20 | 405.19 | |
| 17 | 405.62 | 406.07 | 405.52 | 405.70 | 406.37 | 406.04 | 406.16 | 406.07 | 405.82 | 405.27 | 405.20 | 405.19 | |
| 18 | 405.56 | 406.05 | 405.51 | 405.74 | 406.37 | 406.00 | 406.10 | 406.05 | 405.82 | 405.24 | 405.20 | 405.19 | |
| 19 | 405.51 | 405.99 | 405.50 | 405.70 | 406.43 | 406.22 | 406.23 | 406.05 | 405.82 | 405.22 | 405.20 | 405.19 | |
| 20 | 405.60 | 405.84 | 405.52 | 405.74 | 406.80 | 407.13 | 406.17 | 406.05 | 405.80 | 405.22 | 405.20 | 405.24 | |
| 21 | 405.60 | 405.86 | 405.72 | 405.94 | 406.88 | 408.34 | 406.09 | 406.04 | 405.72 | 405.22 | 405.20 | 405.37 | |
| 22 | 405.56 | 405.89 | 405.79 | 405.79 | 406.75 | 408.29 | 406.04 | 406.03 | 405.70 | 405.22 | 405.20 | 405.36 | |
| 23 | 405.52 | 405.93 | 405.76 | 405.71 | 406.51 | 408.60 | 406.02 | 406.02 | 405.70 | 405.20 | 405.20 | 405.31 | |
| 24 | 405.50 | 406.00 | 405.69 | 405.63 | 406.36 | 408.35 | 406.06 | 406.02 | 405.70 | 405.20 | 405.20 | 405.28 | |
| 25 | 405.48 | 406.17 | 405.60 | 405.56 | 406.15 | 407.89 | 406.20 | 406.01 | 405.70 | 405.19 | 405.20 | 405.24 | |
| 26 | 405.47 | 406.35 | 405.63 | 405.58 | 406.57 | 407.00 | 406.20 | 405.99 | 405.64 | 405.18 | 405.20 | 405.24 | |
| 27 | 405.50 | 406.42 | 405.50 | 406.00 | 406.95 | 406.86 | 406.15 | 405.97 | 405.36 | 405.16 | 405.21 | 405.22 | |
| 28 | 405.54 | 406.30 | 405.50 | 406.28 | 407.13 | 406.72 | 406.11 | 405.97 | 405.31 | 405.15 | 405.21 | 405.20 | |
| 29 | 406.12 | 406.21 | 405.52 | 406.13 | 407.04 | 407.31 | 406.09 | 405.95 | 405.28 | 405.16 | | 405.20 | |
| 30 | 406.46 | 406.19 | 405.50 | 405.94 | 406.93 | 406.94 | 406.07 | 405.95 | 405.27 | 405.20 | | 405.20 | |
| 31 | | 406.34 | | 406.30 | 407.01 | | 406.06 | | 405.26 | 405.20 | | 405.20 | |
| Mean | 405.60 | 405.92 | 405.83 | 405.86 | 406.63 | 407.01 | 406.37 | 406.03 | 405.75 | 405.32 | 405.21 | 405.22 | |
| Max | 406.46 | 406.44 | 406.39 | 406.75 | 407.68 | 408.60 | 407.42 | 406.16 | 405.96 | 405.51 | 405.23 | 405.37 | 408.60 |
| Min | 405.47 | 405.55 | 405.50 | 405.52 | 406.01 | 406.00 | 406.02 | 405.89 | 405.26 | 405.15 | 405.20 | 405.19 | 405.15 |

Annual Max Momentary Gage Height 408.75 m. (MSL.) , at 09.00 Hours , on Sep 23 , 2006

Zero Gage at Bottom Elevation 405.10 m. (MSL.) , River Bed 404.53 m. (MSL.)

Left Bank Elevation 410.60 m. (MSL.) ,

Right Bank Elevation 410.54 m. (MSL.) , Drainage Are 2,909 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.85 | 37.12 | 34.50 | 2.80 | 80.00 | 148.38 | 45.48 | 18.83 | 15.75 | 0.54 | 0.36 | 0.45 | | |
| 2 | 3.25 | 27.70 | 32.50 | 2.95 | 155.94 | 155.94 | 32.50 | 19.23 | 15.75 | 0.54 | 0.36 | 0.45 | | |
| 3 | 2.95 | 18.04 | 31.50 | 4.26 | 144.06 | 147.30 | 24.56 | 19.23 | 15.75 | 0.82 | 0.36 | 0.45 | | |
| 4 | 2.80 | 10.33 | 29.08 | 5.04 | 77.00 | 103.00 | 24.56 | 16.13 | 15.75 | 2.19 | 0.36 | 0.45 | | |
| 5 | 2.65 | 7.61 | 25.40 | 6.34 | 39.24 | 51.22 | 25.40 | 15.38 | 15.38 | 2.50 | 0.36 | 0.41 | | |
| 6 | 2.65 | 5.56 | 20.81 | 51.22 | 28.16 | 52.98 | 27.70 | 13.15 | 15.00 | 2.50 | 0.41 | 0.36 | | |
| 7 | 4.00 | 5.04 | 19.23 | 61.00 | 20.02 | 57.40 | 27.70 | 13.15 | 13.88 | 2.40 | 0.45 | 0.36 | | |
| 8 | 3.85 | 4.26 | 17.25 | 44.00 | 17.65 | 33.00 | 27.24 | 17.25 | 13.88 | 2.30 | 0.45 | 0.32 | | |
| 9 | 3.85 | 5.04 | 21.62 | 26.78 | 30.50 | 31.00 | 47.70 | 23.72 | 13.15 | 2.30 | 0.45 | 0.32 | | |
| 10 | 3.85 | 4.00 | 22.46 | 15.00 | 38.71 | 38.18 | 127.94 | 23.30 | 12.80 | 2.19 | 0.45 | 0.32 | | |
| 11 | 3.55 | 5.04 | 20.81 | 8.97 | 41.04 | 67.40 | 121.56 | 22.04 | 12.44 | 2.30 | 0.45 | 0.32 | | |
| 12 | 2.95 | 4.26 | 18.44 | 5.30 | 27.24 | 71.20 | 112.14 | 21.62 | 12.44 | 2.50 | 0.45 | 0.32 | | |
| 13 | 2.65 | 3.85 | 12.80 | 4.78 | 26.78 | 60.10 | 93.00 | 21.20 | 11.74 | 2.50 | 0.45 | 0.32 | | |
| 14 | 2.19 | 3.25 | 4.78 | 3.85 | 52.98 | 38.71 | 61.00 | 20.41 | 11.39 | 2.50 | 0.45 | 0.32 | | |
| 15 | 6.34 | 3.85 | 2.95 | 3.55 | 52.98 | 29.54 | 44.00 | 20.02 | 11.39 | 2.65 | 0.41 | 0.30 | | |
| 16 | 7.61 | 4.78 | 2.65 | 3.55 | 35.53 | 22.46 | 33.00 | 20.02 | 10.68 | 1.12 | 0.32 | 0.30 | | |
| 17 | 4.52 | 20.02 | 2.80 | 6.60 | 33.50 | 18.83 | 23.72 | 20.02 | 10.68 | 0.62 | 0.32 | 0.30 | | |
| 18 | 3.40 | 19.23 | 2.65 | 7.95 | 33.50 | 17.25 | 21.20 | 19.23 | 10.68 | 0.49 | 0.32 | 0.30 | | |
| 19 | 2.65 | 16.88 | 2.50 | 6.60 | 36.59 | 26.32 | 26.78 | 19.23 | 10.68 | 0.41 | 0.32 | 0.30 | | |
| 20 | 4.00 | 11.39 | 2.80 | 7.95 | 65.50 | 98.00 | 24.14 | 19.23 | 9.98 | 0.41 | 0.32 | 0.49 | | |
| 21 | 4.00 | 12.09 | 7.28 | 15.00 | 73.10 | 228.54 | 20.81 | 18.83 | 7.28 | 0.41 | 0.32 | 1.26 | | |
| 22 | 3.40 | 13.15 | 9.64 | 9.64 | 61.00 | 222.99 | 18.83 | 18.44 | 6.60 | 0.41 | 0.32 | 1.19 | | |
| 23 | 2.80 | 14.63 | 8.63 | 6.94 | 41.04 | 257.50 | 18.04 | 18.04 | 6.60 | 0.32 | 0.32 | 0.82 | | |
| 24 | 2.50 | 17.25 | 6.34 | 4.78 | 33.00 | 229.65 | 19.62 | 18.04 | 6.60 | 0.32 | 0.32 | 0.66 | | |
| 25 | 2.30 | 24.14 | 4.00 | 3.40 | 23.30 | 178.90 | 25.40 | 17.65 | 6.60 | 0.30 | 0.32 | 0.49 | | |
| 26 | 2.19 | 32.50 | 4.78 | 3.70 | 45.48 | 85.00 | 25.40 | 16.88 | 5.04 | 0.28 | 0.32 | 0.49 | | |
| 27 | 2.50 | 36.06 | 2.50 | 17.25 | 80.00 | 71.20 | 23.30 | 16.13 | 1.19 | 0.24 | 0.36 | 0.41 | | |
| 28 | 3.10 | 30.00 | 2.50 | 29.08 | 98.00 | 58.30 | 21.62 | 16.13 | 0.82 | 0.22 | 0.36 | 0.32 | | |
| 29 | 22.04 | 25.86 | 2.80 | 22.46 | 89.00 | 116.26 | 20.81 | 15.38 | 0.66 | 0.24 | | 0.32 | | |
| 30 | 38.18 | 24.98 | 2.50 | 15.00 | 78.00 | 79.00 | 20.02 | 15.38 | 0.62 | 0.32 | | 0.32 | | |
| 31 | | 32.00 | | 30.00 | 86.00 | | 19.62 | | 0.58 | 0.32 | | 0.32 | | |
| Total | 156.57 | 479.91 | 378.50 | 435.74 | 1744.84 | 2795.55 | 1204.79 | 553.29 | 301.78 | 37.16 | 10.46 | 13.76 | 8112.35 | CMSDAY |
| Mean | 5.22 | 15.48 | 12.62 | 14.06 | 56.29 | 93.19 | 38.86 | 18.44 | 9.73 | 1.20 | 0.37 | 0.44 | 22.23 | CMS |
| Max | 38.18 | 37.12 | 34.50 | 61.00 | 155.94 | 257.50 | 127.94 | 23.72 | 15.75 | 2.65 | 0.45 | 1.26 | 257.50 | CMS |
| Min | 2.19 | 3.25 | 2.50 | 2.80 | 17.65 | 17.25 | 18.04 | 13.15 | 0.58 | 0.22 | 0.32 | 0.30 | 0.22 | CMS |
| Runoff | 13.53 | 41.46 | 32.70 | 37.65 | 150.75 | 241.54 | 104.09 | 47.80 | 26.07 | 3.21 | 0.90 | 1.19 | 700.91 | MCM |

Momentary Peak 274.35 CMS. at 408.75 m. (MSL.) at 09.00 Hours , on Sep 23 , 2006

Runoff Yield 7.64 Liters/Second/Square KM. Momentary Peak Yield 94.31 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE KOK RIVER BASIN

### Nam Mae Suai at Ban Kariang Thung Phrao , Chiang Rai (G.9)

Lat 19 - 44 - 51 N Long 99 - 30 - 27 E

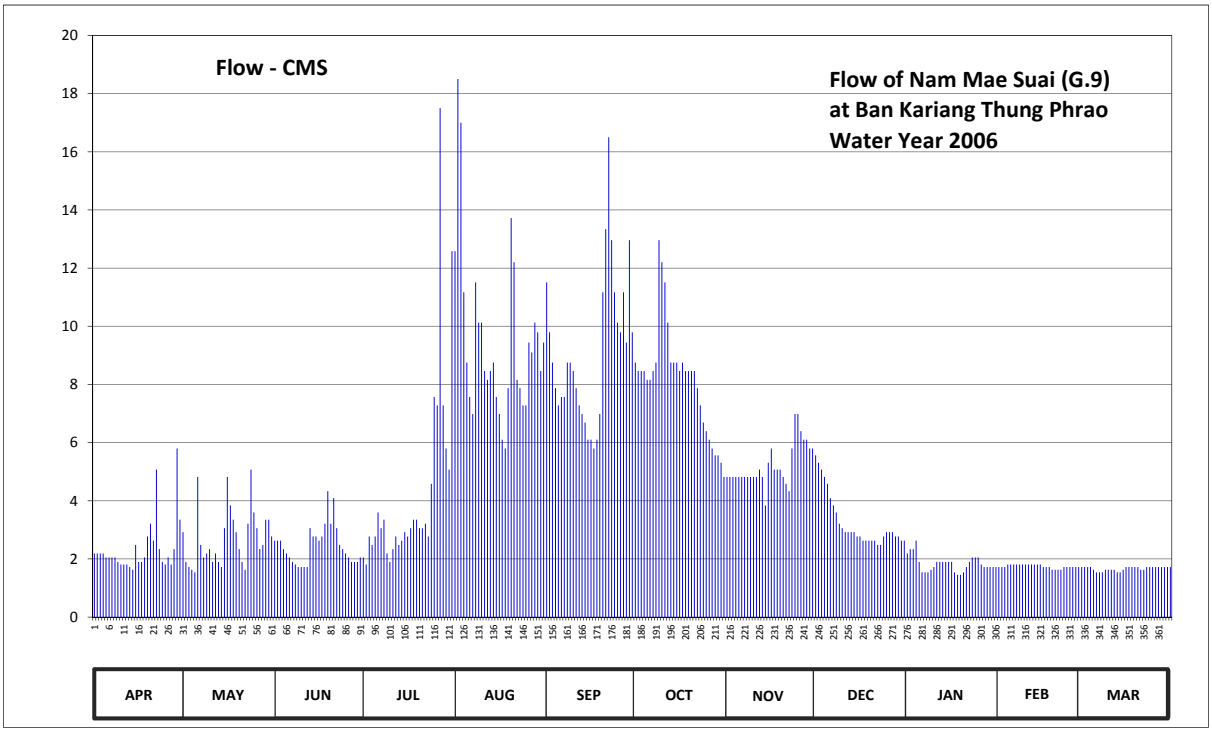
**Location : on right bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Kariang Thung Phrao | **Amphoe** Mae Suai | **Changwat** Chiang Rai |
| **Drainge Area** | 386 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +514.656 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 20 meters from the top staff gage. | | **Elevation** +522.091 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1998 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1998 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1998 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 515.42 | 515.47 | 515.45 | 515.41 | 515.81 | 515.78 | 515.70 | 515.56 | 515.59 | 515.42 | 515.38 | 515.38 | |
| 2 | 515.42 | 515.40 | 515.45 | 515.39 | 515.95 | 515.73 | 515.69 | 515.56 | 515.58 | 515.43 | 515.38 | 515.38 | |
| 3 | 515.42 | 515.38 | 515.45 | 515.46 | 515.92 | 515.70 | 515.69 | 515.56 | 515.57 | 515.43 | 515.38 | 515.38 | |
| 4 | 515.42 | 515.37 | 515.43 | 515.44 | 515.77 | 515.67 | 515.69 | 515.56 | 515.56 | 515.45 | 515.39 | 515.38 | |
| 5 | 515.41 | 515.36 | 515.42 | 515.46 | 515.70 | 515.65 | 515.68 | 515.56 | 515.55 | 515.40 | 515.39 | 515.37 | |
| 6 | 515.41 | 515.56 | 515.41 | 515.51 | 515.66 | 515.66 | 515.68 | 515.56 | 515.53 | 515.36 | 515.39 | 515.36 | |
| 7 | 515.41 | 515.44 | 515.40 | 515.48 | 515.64 | 515.66 | 515.69 | 515.56 | 515.52 | 515.36 | 515.39 | 515.36 | |
| 8 | 515.41 | 515.41 | 515.39 | 515.50 | 515.78 | 515.70 | 515.70 | 515.56 | 515.51 | 515.36 | 515.39 | 515.36 | |
| 9 | 515.40 | 515.42 | 515.38 | 515.42 | 515.74 | 515.70 | 515.82 | 515.56 | 515.49 | 515.37 | 515.39 | 515.37 | |
| 10 | 515.39 | 515.43 | 515.38 | 515.40 | 515.74 | 515.69 | 515.80 | 515.56 | 515.48 | 515.38 | 515.39 | 515.37 | |
| 11 | 515.39 | 515.40 | 515.38 | 515.43 | 515.69 | 515.67 | 515.78 | 515.56 | 515.47 | 515.40 | 515.39 | 515.37 | |
| 12 | 515.39 | 515.42 | 515.38 | 515.46 | 515.68 | 515.65 | 515.74 | 515.57 | 515.47 | 515.40 | 515.39 | 515.37 | |
| 13 | 515.38 | 515.40 | 515.48 | 515.44 | 515.69 | 515.64 | 515.70 | 515.56 | 515.47 | 515.40 | 515.39 | 515.36 | |
| 14 | 515.37 | 515.38 | 515.46 | 515.45 | 515.70 | 515.63 | 515.70 | 515.52 | 515.47 | 515.40 | 515.39 | 515.36 | |
| 15 | 515.44 | 515.48 | 515.46 | 515.47 | 515.66 | 515.61 | 515.70 | 515.58 | 515.46 | 515.40 | 515.39 | 515.37 | |
| 16 | 515.40 | 515.56 | 515.45 | 515.46 | 515.64 | 515.61 | 515.69 | 515.60 | 515.46 | 515.40 | 515.38 | 515.38 | |
| 17 | 515.40 | 515.52 | 515.46 | 515.48 | 515.61 | 515.60 | 515.70 | 515.57 | 515.45 | 515.36 | 515.38 | 515.38 | |
| 18 | 515.41 | 515.50 | 515.49 | 515.50 | 515.60 | 515.61 | 515.69 | 515.57 | 515.45 | 515.35 | 515.38 | 515.38 | |
| 19 | 515.46 | 515.47 | 515.54 | 515.50 | 515.67 | 515.64 | 515.69 | 515.57 | 515.45 | 515.35 | 515.37 | 515.38 | |
| 20 | 515.49 | 515.43 | 515.49 | 515.48 | 515.84 | 515.77 | 515.69 | 515.56 | 515.45 | 515.36 | 515.37 | 515.38 | |
| 21 | 515.45 | 515.40 | 515.53 | 515.48 | 515.80 | 515.83 | 515.69 | 515.55 | 515.45 | 515.38 | 515.37 | 515.37 | |
| 22 | 515.57 | 515.37 | 515.48 | 515.49 | 515.68 | 515.91 | 515.67 | 515.54 | 515.44 | 515.40 | 515.37 | 515.37 | |
| 23 | 515.43 | 515.49 | 515.44 | 515.46 | 515.67 | 515.82 | 515.65 | 515.60 | 515.44 | 515.41 | 515.38 | 515.38 | |
| 24 | 515.40 | 515.57 | 515.43 | 515.55 | 515.65 | 515.77 | 515.63 | 515.64 | 515.46 | 515.41 | 515.38 | 515.38 | |
| 25 | 515.39 | 515.51 | 515.42 | 515.66 | 515.65 | 515.74 | 515.62 | 515.64 | 515.47 | 515.41 | 515.38 | 515.38 | |
| 26 | 515.41 | 515.48 | 515.41 | 515.65 | 515.72 | 515.73 | 515.61 | 515.62 | 515.47 | 515.39 | 515.38 | 515.38 | |
| 27 | 515.39 | 515.43 | 515.40 | 515.93 | 515.71 | 515.77 | 515.60 | 515.61 | 515.47 | 515.38 | 515.38 | 515.38 | |
| 28 | 515.43 | 515.44 | 515.40 | 515.65 | 515.74 | 515.72 | 515.59 | 515.61 | 515.46 | 515.38 | 515.38 | 515.38 | |
| 29 | 515.60 | 515.50 | 515.40 | 515.60 | 515.73 | 515.82 | 515.59 | 515.60 | 515.46 | 515.38 | | 515.38 | |
| 30 | 515.50 | 515.50 | 515.41 | 515.57 | 515.69 | 515.73 | 515.58 | 515.60 | 515.45 | 515.38 | | 515.38 | |
| 31 | | 515.46 | | 515.81 | 515.72 | | 515.56 | | 515.45 | 515.38 | | 515.38 | |
| Mean | 515.43 | 515.45 | 515.44 | 515.52 | 515.72 | 515.71 | 515.68 | 515.58 | 515.48 | 515.39 | 515.38 | 515.37 | |
| Max | 515.60 | 515.57 | 515.54 | 515.93 | 515.95 | 515.91 | 515.82 | 515.64 | 515.59 | 515.45 | 515.39 | 515.38 | 515.95 |
| Min | 515.37 | 515.36 | 515.38 | 515.39 | 515.60 | 515.60 | 515.56 | 515.52 | 515.44 | 515.35 | 515.37 | 515.36 | 515.35 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 516.46 | m. (MSL.) , | at 21.00 Hours , on Jul 27 , 2006 | | |
| Zero Gage at Bottom Elevation | 514.66 | m. (MSL.) , | River Bed | 514.80 | m. (MSL.) |
| Left Bank Elevation | 521.60 | m. (MSL.) , | | | |
| Right Bank Elevation | 521.59 | m. (MSL.) , | Drainage Are | 386 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.19 | 2.92 | 2.63 | 2.05 | 12.58 | 11.51 | 8.75 | 4.82 | 5.56 | 2.19 | 1.72 | 1.72 | | |
| 2 | 2.19 | 1.90 | 2.63 | 1.81 | 18.50 | 9.79 | 8.46 | 4.82 | 5.31 | 2.34 | 1.72 | 1.72 | | |
| 3 | 2.19 | 1.72 | 2.63 | 2.77 | 17.00 | 8.75 | 8.46 | 4.82 | 5.07 | 2.34 | 1.72 | 1.72 | | |
| 4 | 2.19 | 1.63 | 2.34 | 2.48 | 11.17 | 7.87 | 8.46 | 4.82 | 4.82 | 2.63 | 1.81 | 1.72 | | |
| 5 | 2.05 | 1.54 | 2.19 | 2.77 | 8.75 | 7.28 | 8.16 | 4.82 | 4.58 | 1.90 | 1.81 | 1.63 | | |
| 6 | 2.05 | 4.82 | 2.05 | 3.60 | 7.57 | 7.57 | 8.16 | 4.82 | 4.09 | 1.54 | 1.81 | 1.54 | | |
| 7 | 2.05 | 2.48 | 1.90 | 3.06 | 6.98 | 7.57 | 8.46 | 4.82 | 3.84 | 1.54 | 1.81 | 1.54 | | |
| 8 | 2.05 | 2.05 | 1.81 | 3.35 | 11.51 | 8.75 | 8.75 | 4.82 | 3.60 | 1.54 | 1.81 | 1.54 | | |
| 9 | 1.90 | 2.19 | 1.72 | 2.19 | 10.13 | 8.75 | 12.96 | 4.82 | 3.21 | 1.63 | 1.81 | 1.63 | | |
| 10 | 1.81 | 2.34 | 1.72 | 1.90 | 10.13 | 8.46 | 12.20 | 4.82 | 3.06 | 1.72 | 1.81 | 1.63 | | |
| 11 | 1.81 | 1.90 | 1.72 | 2.34 | 8.46 | 7.87 | 11.51 | 4.82 | 2.92 | 1.90 | 1.81 | 1.63 | | |
| 12 | 1.81 | 2.19 | 1.72 | 2.77 | 8.16 | 7.28 | 10.13 | 5.07 | 2.92 | 1.90 | 1.81 | 1.63 | | |
| 13 | 1.72 | 1.90 | 3.06 | 2.48 | 8.46 | 6.98 | 8.75 | 4.82 | 2.92 | 1.90 | 1.81 | 1.54 | | |
| 14 | 1.63 | 1.72 | 2.77 | 2.63 | 8.75 | 6.69 | 8.75 | 3.84 | 2.92 | 1.90 | 1.81 | 1.54 | | |
| 15 | 2.48 | 3.06 | 2.77 | 2.92 | 7.57 | 6.10 | 8.75 | 5.31 | 2.77 | 1.90 | 1.81 | 1.63 | | |
| 16 | 1.90 | 4.82 | 2.63 | 2.77 | 6.98 | 6.10 | 8.46 | 5.80 | 2.77 | 1.90 | 1.72 | 1.72 | | |
| 17 | 1.90 | 3.84 | 2.77 | 3.06 | 6.10 | 5.80 | 8.75 | 5.07 | 2.63 | 1.54 | 1.72 | 1.72 | | |
| 18 | 2.05 | 3.35 | 3.21 | 3.35 | 5.80 | 6.10 | 8.46 | 5.07 | 2.63 | 1.45 | 1.72 | 1.72 | | |
| 19 | 2.77 | 2.92 | 4.33 | 3.35 | 7.87 | 6.98 | 8.46 | 5.07 | 2.63 | 1.45 | 1.63 | 1.72 | | |
| 20 | 3.21 | 2.34 | 3.21 | 3.06 | 13.72 | 11.17 | 8.46 | 4.82 | 2.63 | 1.54 | 1.63 | 1.72 | | |
| 21 | 2.63 | 1.90 | 4.09 | 3.06 | 12.20 | 13.34 | 8.46 | 4.58 | 2.63 | 1.72 | 1.63 | 1.63 | | |
| 22 | 5.07 | 1.63 | 3.06 | 3.21 | 8.16 | 16.50 | 7.87 | 4.33 | 2.48 | 1.90 | 1.63 | 1.63 | | |
| 23 | 2.34 | 3.21 | 2.48 | 2.77 | 7.87 | 12.96 | 7.28 | 5.80 | 2.48 | 2.05 | 1.72 | 1.72 | | |
| 24 | 1.90 | 5.07 | 2.34 | 4.58 | 7.28 | 11.17 | 6.69 | 6.98 | 2.77 | 2.05 | 1.72 | 1.72 | | |
| 25 | 1.81 | 3.60 | 2.19 | 7.57 | 7.28 | 10.13 | 6.39 | 6.98 | 2.92 | 2.05 | 1.72 | 1.72 | | |
| 26 | 2.05 | 3.06 | 2.05 | 7.28 | 9.44 | 9.79 | 6.10 | 6.39 | 2.92 | 1.81 | 1.72 | 1.72 | | |
| 27 | 1.81 | 2.34 | 1.90 | 17.50 | 9.10 | 11.17 | 5.80 | 6.10 | 2.92 | 1.72 | 1.72 | 1.72 | | |
| 28 | 2.34 | 2.48 | 1.90 | 7.28 | 10.13 | 9.44 | 5.56 | 6.10 | 2.77 | 1.72 | 1.72 | 1.72 | | |
| 29 | 5.80 | 3.35 | 1.90 | 5.80 | 9.79 | 12.96 | 5.56 | 5.80 | 2.77 | 1.72 | | 1.72 | | |
| 30 | 3.35 | 3.35 | 2.05 | 5.07 | 8.46 | 9.79 | 5.31 | 5.80 | 2.63 | 1.72 | | 1.72 | | |
| 31 | | 2.77 | | 12.58 | 9.44 | | 4.82 | | 2.63 | 1.72 | | 1.72 | | |
| Total | 71.05 | 84.39 | 73.77 | 131.41 | 295.34 | 274.62 | 253.14 | 156.75 | 100.80 | 56.93 | 48.88 | 51.70 | 1598.78 | CMSDAY |
| Mean | 2.37 | 2.72 | 2.46 | 4.24 | 9.53 | 9.15 | 8.17 | 5.22 | 3.25 | 1.84 | 1.75 | 1.67 | 4.38 | CMS |
| Max | 5.80 | 5.07 | 4.33 | 17.50 | 18.50 | 16.50 | 12.96 | 6.98 | 5.56 | 2.63 | 1.81 | 1.72 | 18.50 | CMS |
| Min | 1.63 | 1.54 | 1.72 | 1.81 | 5.80 | 5.80 | 4.82 | 3.84 | 2.48 | 1.45 | 1.63 | 1.54 | 1.45 | CMS |
| Runoff | 6.14 | 7.29 | 6.37 | 11.35 | 25.52 | 23.73 | 21.87 | 13.54 | 8.71 | 4.92 | 4.22 | 4.47 | 138.13 | MCM |

Momentary Peak 51.72 CMS. at 516.46 m. (MSL.) at 21.00 Hours , on Jul 27 , 2006

Runoff Yield 11.35 Liters/Second/Square KM. Momentary Peak Yield 133.99 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE KOK RIVER BASIN

### Nam Mae Lao at Ban Nong Phum , Chiang Rai (G.10)

Lat 19 - 39 - 21 N Long 99 - 32 - 50 E

**Location : on right bank at Ban Nong Phum.**

| | | | |
|---|---|---|---|
| | **Ban** Nong Phum | **Amphoe** Mae Suai | **Changwat** Chiang Rai |
| **Drainge Area** | 2,614 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the abutment of the bridge. | **Elevation** | +5.000 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Rather unstable by some scouring. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

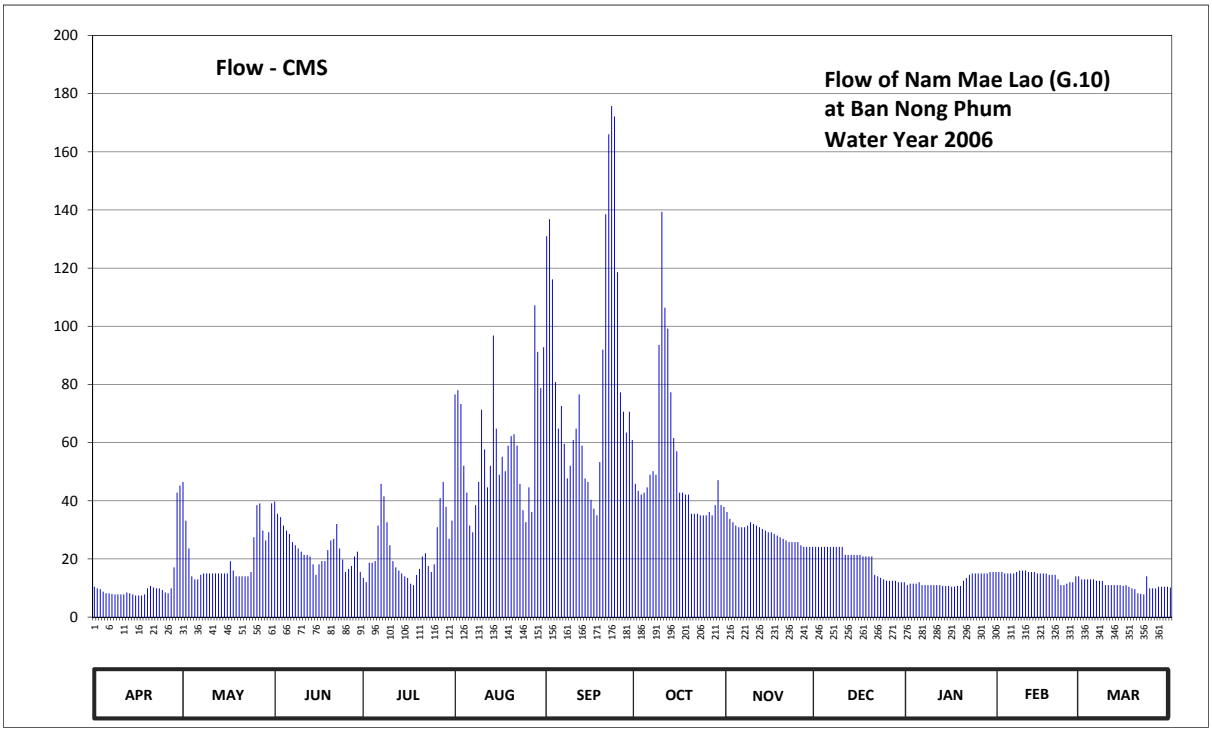
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.28 | 0.93 | 0.82 | 0.35 | 1.40 | 2.09 | 0.92 | 0.76 | 0.55 | 0.30 | 0.39 | 0.34 | |
| 2 | 0.26 | 0.71 | 0.75 | 0.32 | 1.42 | 2.16 | 0.88 | 0.72 | 0.55 | 0.31 | 0.39 | 0.34 | |
| 3 | 0.25 | 0.54 | 0.73 | 0.45 | 1.35 | 1.91 | 0.86 | 0.70 | 0.55 | 0.31 | 0.38 | 0.34 | |
| 4 | 0.22 | 0.36 | 0.68 | 0.45 | 1.02 | 1.46 | 0.87 | 0.68 | 0.55 | 0.31 | 0.38 | 0.34 | |
| 5 | 0.20 | 0.34 | 0.65 | 0.46 | 0.87 | 1.22 | 0.90 | 0.67 | 0.55 | 0.32 | 0.38 | 0.34 | |
| 6 | 0.20 | 0.34 | 0.63 | 0.68 | 0.68 | 1.34 | 0.97 | 0.67 | 0.55 | 0.30 | 0.38 | 0.33 | |
| 7 | 0.19 | 0.37 | 0.58 | 0.92 | 0.64 | 1.14 | 0.99 | 0.67 | 0.55 | 0.30 | 0.39 | 0.33 | |
| 8 | 0.18 | 0.38 | 0.56 | 0.85 | 0.80 | 0.95 | 0.97 | 0.68 | 0.55 | 0.30 | 0.40 | 0.33 | |
| 9 | 0.18 | 0.38 | 0.54 | 0.70 | 0.93 | 1.02 | 1.63 | 0.70 | 0.55 | 0.30 | 0.40 | 0.30 | |
| 10 | 0.18 | 0.38 | 0.52 | 0.56 | 1.32 | 1.16 | 2.19 | 0.69 | 0.55 | 0.30 | 0.40 | 0.30 | |
| 11 | 0.18 | 0.38 | 0.50 | 0.46 | 1.11 | 1.22 | 1.79 | 0.68 | 0.50 | 0.30 | 0.39 | 0.30 | |
| 12 | 0.21 | 0.38 | 0.50 | 0.42 | 0.90 | 1.40 | 1.70 | 0.67 | 0.50 | 0.30 | 0.39 | 0.30 | |
| 13 | 0.20 | 0.38 | 0.49 | 0.40 | 1.02 | 1.13 | 1.41 | 0.66 | 0.50 | 0.29 | 0.39 | 0.30 | |
| 14 | 0.18 | 0.38 | 0.44 | 0.38 | 1.67 | 0.95 | 1.17 | 0.65 | 0.50 | 0.29 | 0.38 | 0.30 | |
| 15 | 0.16 | 0.38 | 0.37 | 0.36 | 1.22 | 0.93 | 1.10 | 0.64 | 0.50 | 0.29 | 0.38 | 0.29 | |
| 16 | 0.16 | 0.38 | 0.44 | 0.35 | 0.97 | 0.83 | 0.87 | 0.64 | 0.50 | 0.28 | 0.38 | 0.30 | |
| 17 | 0.16 | 0.46 | 0.46 | 0.31 | 1.07 | 0.78 | 0.87 | 0.63 | 0.49 | 0.28 | 0.38 | 0.28 | |
| 18 | 0.18 | 0.40 | 0.46 | 0.30 | 0.99 | 0.74 | 0.86 | 0.62 | 0.49 | 0.29 | 0.37 | 0.26 | |
| 19 | 0.26 | 0.36 | 0.53 | 0.37 | 1.13 | 1.04 | 0.86 | 0.61 | 0.49 | 0.29 | 0.37 | 0.25 | |
| 20 | 0.29 | 0.36 | 0.59 | 0.41 | 1.18 | 1.61 | 0.75 | 0.60 | 0.49 | 0.33 | 0.37 | 0.20 | |
| 21 | 0.27 | 0.36 | 0.60 | 0.49 | 1.19 | 2.18 | 0.75 | 0.59 | 0.37 | 0.35 | 0.34 | 0.19 | |
| 22 | 0.26 | 0.36 | 0.69 | 0.51 | 1.13 | 2.50 | 0.75 | 0.58 | 0.36 | 0.37 | 0.30 | 0.18 | |
| 23 | 0.26 | 0.36 | 0.54 | 0.43 | 0.92 | 2.61 | 0.74 | 0.58 | 0.35 | 0.38 | 0.30 | 0.36 | |
| 24 | 0.24 | 0.39 | 0.47 | 0.39 | 0.77 | 2.57 | 0.74 | 0.58 | 0.34 | 0.38 | 0.31 | 0.26 | |
| 25 | 0.21 | 0.61 | 0.39 | 0.44 | 0.70 | 1.94 | 0.74 | 0.58 | 0.33 | 0.38 | 0.32 | 0.26 | |
| 26 | 0.20 | 0.80 | 0.41 | 0.67 | 0.90 | 1.41 | 0.76 | 0.56 | 0.33 | 0.38 | 0.32 | 0.26 | |
| 27 | 0.26 | 0.81 | 0.43 | 0.84 | 0.76 | 1.31 | 0.74 | 0.55 | 0.33 | 0.38 | 0.36 | 0.28 | |
| 28 | 0.42 | 0.65 | 0.49 | 0.93 | 1.80 | 1.20 | 0.80 | 0.55 | 0.33 | 0.38 | 0.36 | 0.28 | |
| 29 | 0.87 | 0.59 | 0.52 | 0.79 | 1.60 | 1.31 | 0.94 | 0.55 | 0.32 | 0.39 | | 0.28 | |
| 30 | 0.91 | 0.64 | 0.39 | 0.60 | 1.43 | 1.16 | 0.80 | 0.55 | 0.32 | 0.39 | | 0.28 | |
| 31 | | 0.81 | | 0.71 | 1.62 | | 0.79 | | 0.32 | 0.39 | | 0.27 | |
| Mean | 0.27 | 0.48 | 0.54 | 0.53 | 1.11 | 1.44 | 1.00 | 0.63 | 0.46 | 0.33 | 0.37 | 0.29 | |
| Max | 0.91 | 0.93 | 0.82 | 0.93 | 1.80 | 2.61 | 2.19 | 0.76 | 0.55 | 0.39 | 0.40 | 0.36 | 2.61 |
| Min | 0.16 | 0.34 | 0.37 | 0.30 | 0.64 | 0.74 | 0.74 | 0.55 | 0.32 | 0.28 | 0.30 | 0.18 | 0.16 |

Annual Max Momentary Gage Height 2.65 m. (A.D.) , at 15.00 Hours , on Sep 23 , 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.82 m. (A.D.)

Left Bank Elevation 5.52 m. (A.D.) ,

Right Bank Elevation 5.50 m. (A.D.) , Drainage Are 2,614 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.44 | 46.46 | 39.72 | 13.50 | 76.60 | 130.97 | 45.84 | 36.14 | 24.15 | 11.00 | 15.50 | 13.00 | | |
| 2 | 9.88 | 33.19 | 35.55 | 12.00 | 78.00 | 136.84 | 43.38 | 33.78 | 24.15 | 11.50 | 15.50 | 13.00 | | |
| 3 | 9.60 | 23.60 | 34.37 | 18.70 | 73.30 | 116.12 | 42.16 | 32.60 | 24.15 | 11.50 | 15.00 | 13.00 | | |
| 4 | 8.76 | 14.00 | 31.46 | 18.70 | 52.04 | 80.80 | 42.77 | 31.46 | 24.15 | 11.50 | 15.00 | 13.00 | | |
| 5 | 8.20 | 13.00 | 29.75 | 19.24 | 42.77 | 64.80 | 44.60 | 30.89 | 24.15 | 12.00 | 15.00 | 13.00 | | |
| 6 | 8.20 | 13.00 | 28.61 | 31.46 | 31.46 | 72.64 | 48.94 | 30.89 | 24.15 | 11.00 | 15.00 | 12.50 | | |
| 7 | 8.00 | 14.50 | 25.80 | 45.84 | 29.18 | 59.60 | 50.18 | 30.89 | 24.15 | 11.00 | 15.50 | 12.50 | | |
| 8 | 7.80 | 15.00 | 24.70 | 41.55 | 38.50 | 47.70 | 48.94 | 31.46 | 24.15 | 11.00 | 16.00 | 12.50 | | |
| 9 | 7.80 | 15.00 | 23.60 | 32.60 | 46.46 | 52.04 | 93.60 | 32.60 | 24.15 | 11.00 | 16.00 | 11.00 | | |
| 10 | 7.80 | 15.00 | 22.50 | 24.70 | 71.32 | 60.90 | 139.36 | 32.03 | 24.15 | 11.00 | 16.00 | 11.00 | | |
| 11 | 7.80 | 15.00 | 21.40 | 19.24 | 57.65 | 64.80 | 106.40 | 31.46 | 21.40 | 11.00 | 15.50 | 11.00 | | |
| 12 | 8.48 | 15.00 | 21.40 | 17.08 | 44.60 | 76.60 | 99.20 | 30.89 | 21.40 | 11.00 | 15.50 | 11.00 | | |
| 13 | 8.20 | 15.00 | 20.86 | 16.00 | 52.04 | 58.95 | 77.30 | 30.32 | 21.40 | 10.72 | 15.50 | 11.00 | | |
| 14 | 7.80 | 15.00 | 18.16 | 15.00 | 96.80 | 47.70 | 61.55 | 29.75 | 21.40 | 10.72 | 15.00 | 11.00 | | |
| 15 | 7.40 | 15.00 | 14.50 | 14.00 | 64.80 | 46.46 | 57.00 | 29.18 | 21.40 | 10.72 | 15.00 | 10.72 | | |
| 16 | 7.40 | 15.00 | 18.16 | 13.50 | 48.94 | 40.33 | 42.77 | 29.18 | 21.40 | 10.44 | 15.00 | 11.00 | | |
| 17 | 7.40 | 19.24 | 19.24 | 11.50 | 55.14 | 37.32 | 42.77 | 28.61 | 20.86 | 10.44 | 15.00 | 10.44 | | |
| 18 | 7.80 | 16.00 | 19.24 | 11.00 | 50.18 | 34.96 | 42.16 | 28.04 | 20.86 | 10.72 | 14.50 | 9.88 | | |
| 19 | 9.88 | 14.00 | 23.05 | 14.50 | 58.95 | 53.28 | 42.16 | 27.47 | 20.86 | 10.72 | 14.50 | 9.60 | | |
| 20 | 10.72 | 14.00 | 26.35 | 16.54 | 62.20 | 92.00 | 35.55 | 26.90 | 20.86 | 12.50 | 14.50 | 8.20 | | |
| 21 | 10.16 | 14.00 | 26.90 | 20.86 | 62.85 | 138.52 | 35.55 | 26.35 | 14.50 | 13.50 | 13.00 | 8.00 | | |
| 22 | 9.88 | 14.00 | 32.03 | 21.95 | 58.95 | 166.00 | 35.55 | 25.80 | 14.00 | 14.50 | 11.00 | 7.80 | | |
| 23 | 9.88 | 14.00 | 23.60 | 17.62 | 45.84 | 175.70 | 34.96 | 25.80 | 13.50 | 15.00 | 11.00 | 14.00 | | |
| 24 | 9.32 | 15.50 | 19.78 | 15.50 | 36.73 | 172.16 | 34.96 | 25.80 | 13.00 | 15.00 | 11.50 | 9.88 | | |
| 25 | 8.48 | 27.47 | 15.50 | 18.16 | 32.60 | 118.58 | 34.96 | 25.80 | 12.50 | 15.00 | 12.00 | 9.88 | | |
| 26 | 8.20 | 38.50 | 16.54 | 30.89 | 44.60 | 77.30 | 36.14 | 24.70 | 12.50 | 15.00 | 12.00 | 9.88 | | |
| 27 | 9.88 | 39.11 | 17.62 | 40.94 | 36.14 | 70.66 | 34.96 | 24.15 | 12.50 | 15.00 | 14.00 | 10.44 | | |
| 28 | 17.08 | 29.75 | 20.86 | 46.46 | 107.20 | 63.50 | 38.50 | 24.15 | 12.50 | 15.00 | 14.00 | 10.44 | | |
| 29 | 42.77 | 26.35 | 22.50 | 37.91 | 91.20 | 70.66 | 47.08 | 24.15 | 12.00 | 15.50 | | 10.44 | | |
| 30 | 45.22 | 29.18 | 15.50 | 26.90 | 78.70 | 60.90 | 38.50 | 24.15 | 12.00 | 15.50 | | 10.44 | | |
| 31 | | 39.11 | | 33.19 | 92.80 | | 37.91 | | 12.00 | 15.50 | | 10.16 | | |
| Total | 340.23 | 642.96 | 709.25 | 717.03 | 1818.54 | 2488.79 | 1615.70 | 865.39 | 594.34 | 385.98 | 403.00 | 339.70 | 10920.91 | CMSDAY |
| Mean | 11.34 | 20.74 | 23.64 | 23.13 | 58.66 | 82.96 | 52.12 | 28.85 | 19.17 | 12.45 | 14.39 | 10.96 | 29.92 | CMS |
| Max | 45.22 | 46.46 | 39.72 | 46.46 | 107.20 | 175.70 | 139.36 | 36.14 | 24.15 | 15.50 | 16.00 | 14.00 | 175.70 | CMS |
| Min | 7.40 | 13.00 | 14.50 | 11.00 | 29.18 | 34.96 | 34.96 | 24.15 | 12.00 | 10.44 | 11.00 | 7.80 | 7.40 | CMS |
| Runoff | 29.40 | 55.55 | 61.28 | 61.95 | 157.12 | 215.03 | 139.60 | 74.77 | 51.35 | 33.35 | 34.82 | 29.35 | 943.57 | MCM |

Momentary Peak 179.30 CMS. at 2.65 m. (A.D.) at 15.00 Hours , on Sep 23 , 2006

Runoff Yield 11.45 Liters/Second/Square KM. Momentary Peak Yield 68.59 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAM MAE KOK RIVER BASIN

### Nam Mae Lao at Ban Don Salee , Chiang Rai (G.11)

Lat 19 - 37 - 14 N Long 99 - 28 - 50 E

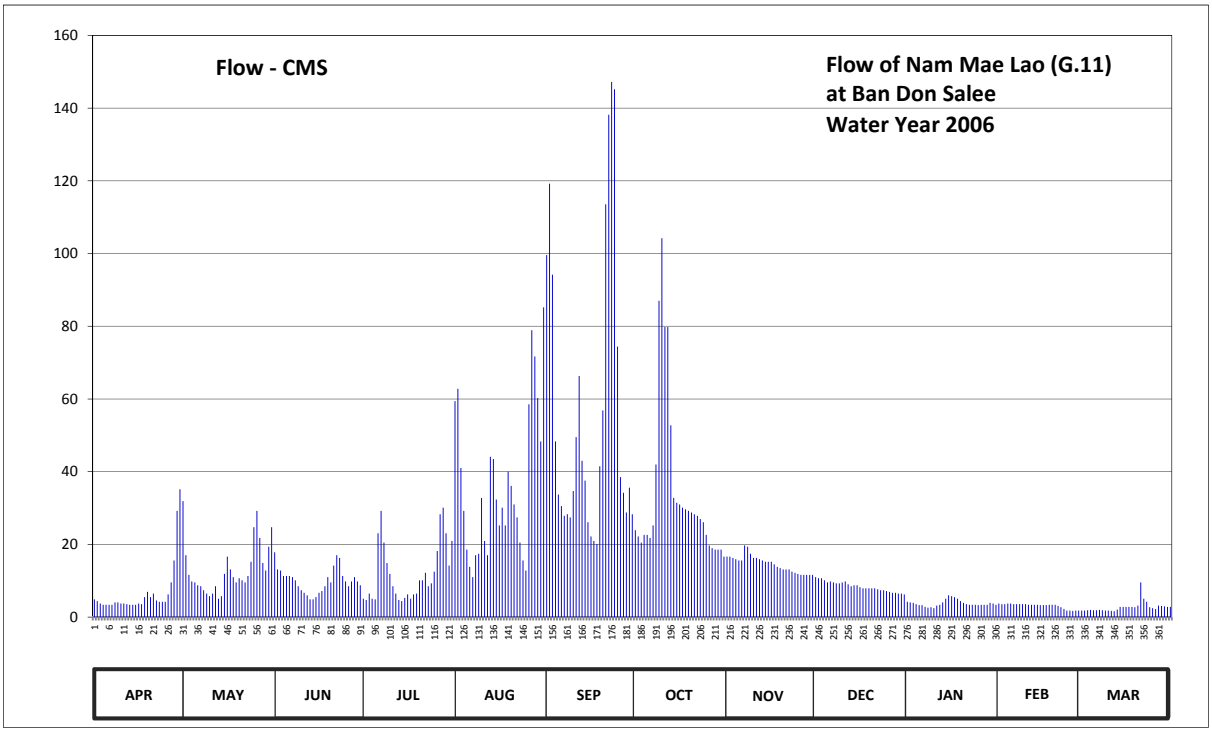
**Location : on left bank at Ban Salee.**

| | | | |
|---|---|---|---|
| | **Ban** Don Salee | **Amphoe** Mae Suai | **Changwat** Chiang Rai |
| **Drainge Area** | 1,918 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the gage site. | | **Elevation** +5.860 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.79 | 1.56 | 1.23 | 0.80 | 2.04 | 2.49 | 1.38 | 1.20 | 1.03 | 0.75 | 0.72 | 0.55 | |
| 2 | 0.76 | 1.21 | 1.10 | 0.78 | 2.08 | 2.70 | 1.34 | 1.20 | 1.02 | 0.74 | 0.71 | 0.55 | |
| 3 | 0.72 | 1.05 | 1.09 | 0.86 | 1.75 | 2.43 | 1.30 | 1.19 | 1.02 | 0.73 | 0.71 | 0.56 | |
| 4 | 0.70 | 0.99 | 1.04 | 0.80 | 1.50 | 1.88 | 1.35 | 1.18 | 1.00 | 0.71 | 0.72 | 0.57 | |
| 5 | 0.70 | 0.98 | 1.04 | 0.79 | 1.25 | 1.60 | 1.35 | 1.17 | 0.98 | 0.69 | 0.72 | 0.56 | |
| 6 | 0.70 | 0.95 | 1.04 | 1.36 | 1.12 | 1.53 | 1.33 | 1.17 | 0.99 | 0.69 | 0.71 | 0.56 | |
| 7 | 0.70 | 0.94 | 1.03 | 1.50 | 1.03 | 1.47 | 1.41 | 1.28 | 0.98 | 0.65 | 0.71 | 0.57 | |
| 8 | 0.74 | 0.90 | 1.00 | 1.30 | 1.21 | 1.48 | 1.77 | 1.27 | 0.97 | 0.63 | 0.71 | 0.56 | |
| 9 | 0.74 | 0.86 | 0.94 | 1.15 | 1.22 | 1.46 | 2.35 | 1.22 | 0.97 | 0.64 | 0.71 | 0.55 | |
| 10 | 0.72 | 0.83 | 0.90 | 1.06 | 1.58 | 1.62 | 2.54 | 1.19 | 0.98 | 0.62 | 0.71 | 0.55 | |
| 11 | 0.72 | 0.86 | 0.87 | 0.94 | 1.31 | 1.90 | 2.27 | 1.19 | 0.99 | 0.68 | 0.70 | 0.54 | |
| 12 | 0.71 | 0.94 | 0.84 | 0.86 | 1.21 | 2.12 | 2.27 | 1.18 | 0.96 | 0.70 | 0.70 | 0.53 | |
| 13 | 0.70 | 0.80 | 0.79 | 0.78 | 1.81 | 1.79 | 1.95 | 1.17 | 0.94 | 0.74 | 0.70 | 0.58 | |
| 14 | 0.70 | 0.83 | 0.79 | 0.76 | 1.80 | 1.68 | 1.58 | 1.16 | 0.95 | 0.80 | 0.70 | 0.65 | |
| 15 | 0.70 | 1.06 | 0.82 | 0.81 | 1.57 | 1.43 | 1.55 | 1.16 | 0.95 | 0.84 | 0.69 | 0.65 | |
| 16 | 0.72 | 1.20 | 0.87 | 0.85 | 1.41 | 1.34 | 1.54 | 1.16 | 0.93 | 0.83 | 0.69 | 0.65 | |
| 17 | 0.71 | 1.10 | 0.89 | 0.80 | 1.52 | 1.31 | 1.52 | 1.14 | 0.92 | 0.82 | 0.69 | 0.65 | |
| 18 | 0.82 | 1.03 | 0.94 | 0.85 | 1.41 | 1.29 | 1.51 | 1.12 | 0.92 | 0.80 | 0.70 | 0.65 | |
| 19 | 0.88 | 0.98 | 1.03 | 0.86 | 1.73 | 1.76 | 1.50 | 1.11 | 0.92 | 0.76 | 0.70 | 0.64 | |
| 20 | 0.82 | 1.02 | 0.98 | 1.00 | 1.65 | 2.01 | 1.49 | 1.10 | 0.92 | 0.73 | 0.70 | 0.68 | |
| 21 | 0.86 | 1.00 | 1.13 | 1.00 | 1.54 | 2.64 | 1.48 | 1.10 | 0.92 | 0.71 | 0.67 | 0.98 | |
| 22 | 0.77 | 0.98 | 1.21 | 1.07 | 1.46 | 2.90 | 1.47 | 1.10 | 0.91 | 0.70 | 0.64 | 0.80 | |
| 23 | 0.75 | 1.04 | 1.19 | 0.94 | 1.30 | 2.99 | 1.45 | 1.08 | 0.90 | 0.70 | 0.60 | 0.75 | |
| 24 | 0.75 | 1.16 | 1.04 | 0.97 | 1.17 | 2.97 | 1.43 | 1.07 | 0.90 | 0.70 | 0.55 | 0.64 | |
| 25 | 0.75 | 1.40 | 0.99 | 1.08 | 1.09 | 2.21 | 1.35 | 1.06 | 0.89 | 0.69 | 0.55 | 0.62 | |
| 26 | 0.85 | 1.50 | 0.94 | 1.24 | 2.03 | 1.70 | 1.28 | 1.05 | 0.88 | 0.70 | 0.54 | 0.60 | |
| 27 | 0.98 | 1.33 | 0.99 | 1.48 | 2.26 | 1.61 | 1.26 | 1.05 | 0.87 | 0.70 | 0.55 | 0.68 | |
| 28 | 1.17 | 1.15 | 1.03 | 1.52 | 2.18 | 1.49 | 1.25 | 1.05 | 0.87 | 0.70 | 0.55 | 0.67 | |
| 29 | 1.50 | 1.09 | 0.99 | 1.36 | 2.05 | 1.64 | 1.25 | 1.05 | 0.86 | 0.73 | | 0.66 | |
| 30 | 1.63 | 1.27 | 0.95 | 1.13 | 1.88 | 1.48 | 1.25 | 1.05 | 0.86 | 0.72 | | 0.65 | |
| 31 | | 1.40 | | 1.31 | 2.33 | | 1.20 | | 0.85 | 0.70 | | 0.65 | |
| Mean | 0.83 | 1.08 | 0.99 | 1.03 | 1.60 | 1.90 | 1.55 | 1.14 | 0.94 | 0.72 | 0.67 | 0.63 | |
| Max | 1.63 | 1.56 | 1.23 | 1.52 | 2.33 | 2.99 | 2.54 | 1.28 | 1.03 | 0.84 | 0.72 | 0.98 | 2.99 |
| Min | 0.70 | 0.80 | 0.79 | 0.76 | 1.03 | 1.29 | 1.20 | 1.05 | 0.85 | 0.62 | 0.54 | 0.53 | 0.53 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 3.12 | m. (A.D.) , | at 04.00 Hours , on Sep 24 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.08 | m. (A.D.) |
| Left Bank Elevation | 5.98 | m. (A.D.) , | | | |
| Right Bank Elevation | 6.03 | m. (A.D.) , | Drainage Are | 1,918 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.89 | 31.90 | 17.81 | 5.05 | 59.40 | 99.60 | 23.90 | 16.65 | 11.00 | 4.23 | 3.73 | 1.80 | | |
| 2 | 4.39 | 17.04 | 13.10 | 4.72 | 62.80 | 119.20 | 22.20 | 16.65 | 10.70 | 4.06 | 3.57 | 1.80 | | |
| 3 | 3.73 | 11.60 | 12.80 | 6.46 | 41.00 | 94.20 | 20.50 | 16.30 | 10.70 | 3.90 | 3.57 | 1.89 | | |
| 4 | 3.40 | 9.83 | 11.30 | 5.05 | 29.20 | 48.30 | 22.63 | 15.94 | 10.10 | 3.57 | 3.73 | 1.98 | | |
| 5 | 3.40 | 9.56 | 11.30 | 4.89 | 18.58 | 33.70 | 22.63 | 15.59 | 9.56 | 3.29 | 3.73 | 1.89 | | |
| 6 | 3.40 | 8.75 | 11.30 | 23.05 | 13.81 | 30.55 | 21.78 | 15.59 | 9.83 | 3.29 | 3.57 | 1.89 | | |
| 7 | 3.40 | 8.48 | 11.00 | 29.20 | 11.00 | 27.87 | 25.20 | 19.73 | 9.56 | 2.83 | 3.57 | 1.98 | | |
| 8 | 4.06 | 7.40 | 10.10 | 20.50 | 17.04 | 28.31 | 42.00 | 19.35 | 9.29 | 2.60 | 3.57 | 1.89 | | |
| 9 | 4.06 | 6.46 | 8.48 | 14.88 | 17.42 | 27.42 | 87.00 | 17.42 | 9.29 | 2.71 | 3.57 | 1.80 | | |
| 10 | 3.73 | 5.76 | 7.40 | 11.90 | 32.80 | 34.66 | 104.22 | 16.30 | 9.56 | 2.48 | 3.57 | 1.80 | | |
| 11 | 3.73 | 6.46 | 6.70 | 8.48 | 20.93 | 49.50 | 79.80 | 16.30 | 9.83 | 3.17 | 3.40 | 1.71 | | |
| 12 | 3.57 | 8.48 | 5.99 | 6.46 | 17.04 | 66.30 | 79.80 | 15.94 | 9.02 | 3.40 | 3.40 | 1.62 | | |
| 13 | 3.40 | 5.05 | 4.89 | 4.72 | 44.10 | 43.00 | 52.75 | 15.59 | 8.48 | 4.06 | 3.40 | 2.07 | | |
| 14 | 3.40 | 5.76 | 4.89 | 4.39 | 43.50 | 37.54 | 32.80 | 15.23 | 8.75 | 5.05 | 3.40 | 2.83 | | |
| 15 | 3.40 | 11.90 | 5.52 | 5.29 | 32.35 | 26.09 | 31.45 | 15.23 | 8.75 | 5.99 | 3.29 | 2.83 | | |
| 16 | 3.73 | 16.65 | 6.70 | 6.23 | 25.20 | 22.20 | 31.00 | 15.23 | 8.21 | 5.76 | 3.29 | 2.83 | | |
| 17 | 3.57 | 13.10 | 7.17 | 5.05 | 30.10 | 20.93 | 30.10 | 14.52 | 7.94 | 5.52 | 3.29 | 2.83 | | |
| 18 | 5.52 | 11.00 | 8.48 | 6.23 | 25.20 | 20.12 | 29.65 | 13.81 | 7.94 | 5.05 | 3.40 | 2.83 | | |
| 19 | 6.93 | 9.56 | 11.00 | 6.46 | 40.00 | 41.50 | 29.20 | 13.46 | 7.94 | 4.39 | 3.40 | 2.71 | | |
| 20 | 5.52 | 10.70 | 9.56 | 10.10 | 36.10 | 56.85 | 28.76 | 13.10 | 7.94 | 3.90 | 3.40 | 3.17 | | |
| 21 | 6.46 | 10.10 | 14.17 | 10.10 | 31.00 | 113.56 | 28.31 | 13.10 | 7.94 | 3.57 | 3.06 | 9.56 | | |
| 22 | 4.56 | 9.56 | 17.04 | 12.20 | 27.42 | 138.20 | 27.87 | 13.10 | 7.67 | 3.40 | 2.71 | 5.05 | | |
| 23 | 4.23 | 11.30 | 16.30 | 8.48 | 20.50 | 147.20 | 26.98 | 12.50 | 7.40 | 3.40 | 2.25 | 4.23 | | |
| 24 | 4.23 | 15.23 | 11.30 | 9.29 | 15.59 | 145.20 | 26.09 | 12.20 | 7.40 | 3.40 | 1.80 | 2.71 | | |
| 25 | 4.23 | 24.75 | 9.83 | 12.50 | 12.80 | 74.40 | 22.63 | 11.90 | 7.17 | 3.29 | 1.80 | 2.48 | | |
| 26 | 6.23 | 29.20 | 8.48 | 18.19 | 58.55 | 38.50 | 19.73 | 11.60 | 6.93 | 3.40 | 1.71 | 2.25 | | |
| 27 | 9.56 | 21.78 | 9.83 | 28.31 | 78.90 | 34.18 | 18.96 | 11.60 | 6.70 | 3.40 | 1.80 | 3.17 | | |
| 28 | 15.59 | 14.88 | 11.00 | 30.10 | 71.70 | 28.76 | 18.58 | 11.60 | 6.70 | 3.40 | 1.80 | 3.06 | | |
| 29 | 29.20 | 12.80 | 9.83 | 23.05 | 60.25 | 35.62 | 18.58 | 11.60 | 6.46 | 3.90 | | 2.94 | | |
| 30 | 35.14 | 19.35 | 8.75 | 14.17 | 48.30 | 28.31 | 18.58 | 11.60 | 6.46 | 3.73 | | 2.83 | | |
| 31 | | 24.75 | | 20.93 | 85.20 | | 16.65 | | 6.23 | 3.40 | | 2.83 | | |
| Total | 200.66 | 409.14 | 302.02 | 376.43 | 1127.78 | 1711.77 | 1060.33 | 438.73 | 261.45 | 117.54 | 86.78 | 85.26 | 6177.89 | CMSDAY |
| Mean | 6.69 | 13.20 | 10.07 | 12.14 | 36.38 | 57.06 | 34.20 | 14.62 | 8.43 | 3.79 | 3.10 | 2.75 | 16.93 | CMS |
| Max | 35.14 | 31.90 | 17.81 | 30.10 | 85.20 | 147.20 | 104.22 | 19.73 | 11.00 | 5.99 | 3.73 | 9.56 | 147.20 | CMS |
| Min | 3.40 | 5.05 | 4.89 | 4.39 | 11.00 | 20.12 | 16.65 | 11.60 | 6.23 | 2.48 | 1.71 | 1.62 | 1.62 | CMS |
| Runoff | 17.34 | 35.35 | 26.09 | 32.52 | 97.44 | 147.90 | 91.61 | 37.91 | 22.59 | 10.16 | 7.50 | 7.37 | 533.77 | MCM |

Momentary Peak 160.46 CMS. at 3.12 m. (A.D.) at 04.00 Hours , on Sep 24 , 2006

Runoff Yield 8.82 Liters/Second/Square KM. Momentary Peak Yield 83.66 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Non Puai , Chaiyaphum (E.5)

Lat 15 - 46 - 08 N Long 101 - 49 - 01 E

**Location : on left bank near Ban Non Puai about 30 meters downstream from Ban Tango.**

**Ban** Non Puai **Amphoe** Ban Khwao **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 4,207 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +186.070 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | In front of the station office. **Elevation** +199.956 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1958 to date |
| **Rating Operation** | |
| **Period of Rating** | 1967 - 1971 , 1973, 1979, 1982 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1967 - 1971 , 1973, 1979, 1982 to date |
| **Stability of Channel Regimes** | Stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The local weir situated about 100 meters downstream from the gage site. Stage-discharge relation defined by 40 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

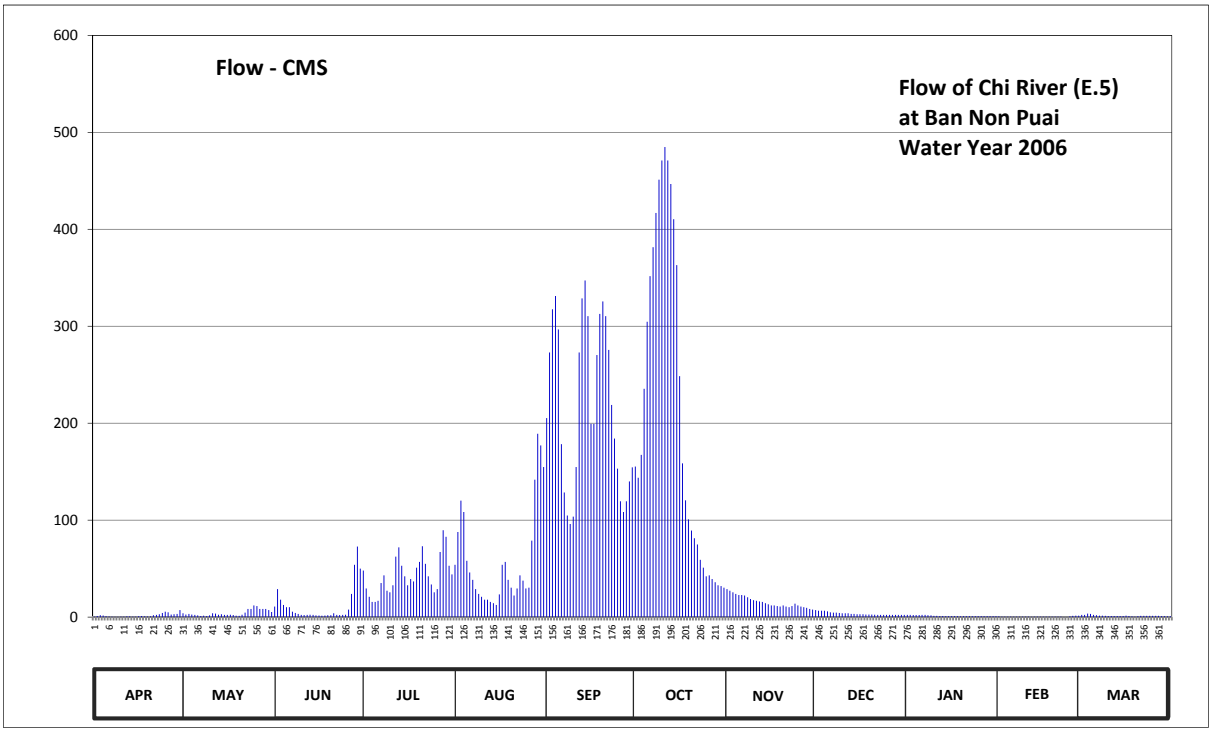
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 189.94 | 190.14 | 190.28 | 190.78 | 190.84 | 194.32 | 193.22 | 190.56 | 190.22 | 190.07 | 189.96 | 190.07 | |
| 2 | 190.00 | 190.10 | 190.56 | 190.57 | 191.44 | 195.47 | 192.94 | 190.54 | 190.21 | 190.07 | 189.94 | 190.07 | |
| 3 | 190.05 | 190.12 | 190.40 | 190.45 | 192.32 | 196.12 | 193.51 | 190.52 | 190.21 | 190.06 | 189.94 | 190.13 | |
| 4 | 190.03 | 190.10 | 190.31 | 190.36 | 192.01 | 196.29 | 194.88 | 190.50 | 190.21 | 190.06 | 189.94 | 190.12 | |
| 5 | 189.99 | 190.07 | 190.27 | 190.36 | 190.88 | 195.83 | 195.95 | 190.48 | 190.20 | 190.06 | 189.94 | 190.07 | |
| 6 | 189.95 | 190.04 | 190.27 | 190.38 | 190.76 | 193.77 | 196.53 | 190.48 | 190.17 | 190.07 | 189.93 | 190.05 | |
| 7 | 189.94 | 190.00 | 190.19 | 190.64 | 190.68 | 192.54 | 196.83 | 190.47 | 190.16 | 190.07 | 189.93 | 190.02 | |
| 8 | 189.92 | 190.02 | 190.15 | 190.73 | 190.56 | 191.91 | 197.08 | 190.44 | 190.16 | 190.05 | 189.93 | 190.02 | |
| 9 | 189.92 | 190.00 | 190.12 | 190.54 | 190.50 | 191.67 | 197.26 | 190.41 | 190.15 | 190.04 | 189.93 | 190.01 | |
| 10 | 189.93 | 190.04 | 190.08 | 190.52 | 190.45 | 191.88 | 197.35 | 190.39 | 190.14 | 190.01 | 189.93 | 190.00 | |
| 11 | 189.94 | 190.14 | 190.06 | 190.61 | 190.40 | 193.21 | 197.41 | 190.38 | 190.14 | 190.01 | 189.93 | 190.00 | |
| 12 | 189.96 | 190.13 | 190.07 | 190.92 | 190.40 | 195.47 | 197.35 | 190.37 | 190.14 | 190.00 | 189.92 | 190.00 | |
| 13 | 189.96 | 190.09 | 190.09 | 191.00 | 190.36 | 196.26 | 197.24 | 190.36 | 190.12 | 190.00 | 189.93 | 190.00 | |
| 14 | 189.93 | 190.11 | 190.07 | 190.83 | 190.34 | 196.48 | 197.04 | 190.34 | 190.12 | 189.98 | 189.94 | 190.00 | |
| 15 | 189.94 | 190.08 | 190.04 | 190.72 | 190.31 | 196.03 | 196.65 | 190.32 | 190.11 | 189.98 | 189.94 | 190.00 | |
| 16 | 189.99 | 190.08 | 190.03 | 190.61 | 190.49 | 194.21 | 195.10 | 190.30 | 190.11 | 189.99 | 189.94 | 190.02 | |
| 17 | 190.00 | 190.09 | 190.02 | 190.69 | 190.84 | 194.21 | 193.30 | 190.30 | 190.11 | 189.99 | 189.93 | 190.00 | |
| 18 | 189.97 | 190.06 | 190.03 | 190.66 | 190.87 | 195.43 | 192.33 | 190.29 | 190.10 | 189.98 | 189.94 | 189.97 | |
| 19 | 189.95 | 190.02 | 190.05 | 190.81 | 190.68 | 196.06 | 191.80 | 190.28 | 190.10 | 189.97 | 189.94 | 189.94 | |
| 20 | 189.96 | 190.01 | 190.05 | 190.87 | 190.58 | 196.22 | 191.48 | 190.30 | 190.10 | 189.98 | 189.94 | 189.98 | |
| 21 | 190.05 | 190.09 | 190.14 | 191.03 | 190.47 | 196.03 | 191.26 | 190.28 | 190.09 | 189.98 | 189.94 | 190.01 | |
| 22 | 190.07 | 190.16 | 190.07 | 190.85 | 190.57 | 195.51 | 191.08 | 190.27 | 190.08 | 189.98 | 189.94 | 190.01 | |
| 23 | 190.11 | 190.24 | 190.06 | 190.72 | 190.73 | 194.57 | 190.89 | 190.29 | 190.08 | 189.98 | 189.87 | 190.01 | |
| 24 | 190.15 | 190.24 | 190.07 | 190.62 | 190.67 | 193.91 | 190.81 | 190.33 | 190.07 | 189.98 | 189.88 | 190.01 | |
| 25 | 190.19 | 190.30 | 190.09 | 190.52 | 190.57 | 193.17 | 190.72 | 190.30 | 190.07 | 189.98 | 189.97 | 190.01 | |
| 26 | 190.17 | 190.29 | 190.23 | 190.56 | 190.58 | 192.30 | 190.73 | 190.28 | 190.08 | 189.98 | 190.01 | 190.01 | |
| 27 | 190.10 | 190.24 | 190.50 | 190.96 | 191.19 | 192.01 | 190.69 | 190.27 | 190.07 | 189.99 | 190.02 | 190.01 | |
| 28 | 190.11 | 190.24 | 190.84 | 191.49 | 192.89 | 192.30 | 190.65 | 190.26 | 190.08 | 189.98 | 190.02 | 189.98 | |
| 29 | 190.12 | 190.24 | 191.02 | 191.30 | 194.02 | 192.84 | 190.61 | 190.24 | 190.08 | 189.98 | | 189.98 | |
| 30 | 190.22 | 190.22 | 190.80 | 190.83 | 193.74 | 193.20 | 190.60 | 190.23 | 190.07 | 189.98 | | 189.96 | |
| 31 | | 190.18 | | 190.74 | 193.21 | | 190.58 | | 190.07 | 189.98 | | 189.96 | |
| Mean | 190.02 | 190.13 | 190.23 | 190.73 | 191.11 | 194.31 | 193.67 | 190.36 | 190.12 | 190.01 | 189.94 | 190.01 | |
| Max | 190.22 | 190.30 | 191.02 | 191.49 | 194.02 | 196.48 | 197.41 | 190.56 | 190.22 | 190.07 | 190.02 | 190.13 | 197.41 |
| Min | 189.92 | 190.00 | 190.02 | 190.36 | 190.31 | 191.67 | 190.58 | 190.23 | 190.07 | 189.97 | 189.87 | 189.94 | 189.87 |

Annual Max Momentary Gage Height 197.42 m. (MSL.) , at 06.00 Hours, on Oct 11, 2006

Zero Gage at Bottom Elevation 186.07 m. (MSL.) , River Bed 185.98 m. (MSL.)

Left Bank Elevation 199.72 m. (MSL.) ,

Right Bank Elevation 199.65 m. (MSL.) , Drainage Are 4,207 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.56 | 4.02 | 10.80 | 48.00 | 54.00 | 205.28 | 155.24 | 28.80 | 7.20 | 2.22 | 0.74 | 2.22 | | |
| 2 | 1.10 | 2.70 | 28.80 | 29.60 | 87.84 | 273.02 | 143.72 | 27.20 | 6.60 | 2.22 | 0.56 | 2.22 | | |
| 3 | 1.90 | 3.36 | 18.00 | 21.00 | 120.16 | 317.60 | 167.42 | 25.60 | 6.60 | 2.06 | 0.56 | 3.69 | | |
| 4 | 1.58 | 2.70 | 12.60 | 15.60 | 108.38 | 331.20 | 235.52 | 24.00 | 6.60 | 2.06 | 0.56 | 3.36 | | |
| 5 | 1.01 | 2.22 | 10.20 | 15.60 | 58.00 | 296.78 | 304.70 | 22.80 | 6.00 | 2.06 | 0.56 | 2.22 | | |
| 6 | 0.65 | 1.74 | 10.20 | 16.80 | 46.00 | 178.34 | 351.70 | 22.80 | 5.01 | 2.22 | 0.47 | 1.90 | | |
| 7 | 0.56 | 1.10 | 5.67 | 35.20 | 38.40 | 128.52 | 381.60 | 22.20 | 4.68 | 2.22 | 0.47 | 1.42 | | |
| 8 | 0.38 | 1.42 | 4.35 | 43.00 | 28.80 | 104.76 | 416.80 | 20.40 | 4.68 | 1.90 | 0.47 | 1.42 | | |
| 9 | 0.38 | 1.10 | 3.36 | 27.20 | 24.00 | 96.12 | 451.20 | 18.60 | 4.35 | 1.74 | 0.47 | 1.26 | | |
| 10 | 0.47 | 1.74 | 2.38 | 25.60 | 21.00 | 103.68 | 471.00 | 17.40 | 4.02 | 1.26 | 0.47 | 1.10 | | |
| 11 | 0.56 | 4.02 | 2.06 | 32.80 | 18.00 | 154.82 | 484.80 | 16.80 | 4.02 | 1.26 | 0.47 | 1.10 | | |
| 12 | 0.74 | 3.69 | 2.22 | 62.40 | 18.00 | 273.02 | 471.00 | 16.20 | 4.02 | 1.10 | 0.38 | 1.10 | | |
| 13 | 0.74 | 2.54 | 2.54 | 72.00 | 15.60 | 328.80 | 446.80 | 15.60 | 3.36 | 1.10 | 0.47 | 1.10 | | |
| 14 | 0.47 | 3.03 | 2.22 | 53.00 | 14.40 | 347.20 | 410.40 | 14.40 | 3.36 | 0.92 | 0.56 | 1.10 | | |
| 15 | 0.56 | 2.38 | 1.74 | 42.00 | 12.60 | 310.40 | 363.00 | 13.20 | 3.03 | 0.92 | 0.56 | 1.10 | | |
| 16 | 1.01 | 2.38 | 1.58 | 32.80 | 23.40 | 199.34 | 248.60 | 12.00 | 3.03 | 1.01 | 0.56 | 1.42 | | |
| 17 | 1.10 | 2.54 | 1.42 | 39.20 | 54.00 | 199.34 | 158.60 | 12.00 | 3.03 | 1.01 | 0.47 | 1.10 | | |
| 18 | 0.83 | 2.06 | 1.58 | 36.80 | 57.00 | 270.38 | 120.54 | 11.40 | 2.70 | 0.92 | 0.56 | 0.83 | | |
| 19 | 0.65 | 1.42 | 1.90 | 51.00 | 38.40 | 312.80 | 100.80 | 10.80 | 2.70 | 0.83 | 0.56 | 0.56 | | |
| 20 | 0.74 | 1.26 | 1.90 | 57.00 | 30.40 | 325.60 | 89.28 | 12.00 | 2.70 | 0.92 | 0.56 | 0.92 | | |
| 21 | 1.90 | 2.54 | 4.02 | 73.08 | 22.20 | 310.40 | 81.36 | 10.80 | 2.54 | 0.92 | 0.56 | 1.26 | | |
| 22 | 2.22 | 4.68 | 2.22 | 55.00 | 29.60 | 275.66 | 74.88 | 10.20 | 2.38 | 0.92 | 0.56 | 1.26 | | |
| 23 | 3.03 | 8.40 | 2.06 | 42.00 | 43.00 | 218.78 | 59.00 | 11.40 | 2.38 | 0.92 | 0.14 | 1.26 | | |
| 24 | 4.35 | 8.40 | 2.22 | 33.60 | 37.60 | 184.22 | 51.00 | 13.80 | 2.22 | 0.92 | 0.16 | 1.26 | | |
| 25 | 5.67 | 12.00 | 2.54 | 25.60 | 29.60 | 153.14 | 42.00 | 12.00 | 2.22 | 0.92 | 0.83 | 1.26 | | |
| 26 | 5.01 | 11.40 | 7.80 | 28.80 | 30.40 | 119.40 | 43.00 | 10.80 | 2.38 | 0.92 | 1.26 | 1.26 | | |
| 27 | 2.70 | 8.40 | 24.00 | 67.20 | 78.84 | 108.38 | 39.20 | 10.20 | 2.22 | 1.01 | 1.42 | 1.26 | | |
| 28 | 3.03 | 8.40 | 54.00 | 89.64 | 141.82 | 119.40 | 36.00 | 9.60 | 2.38 | 0.92 | 1.42 | 0.92 | | |
| 29 | 3.36 | 8.40 | 72.72 | 82.80 | 189.08 | 139.92 | 32.80 | 8.40 | 2.38 | 0.92 | | 0.92 | | |
| 30 | 7.20 | 7.20 | 50.00 | 53.00 | 177.08 | 154.40 | 32.00 | 7.80 | 2.22 | 0.92 | | 0.74 | | |
| 31 | | 5.34 | | 44.00 | 154.82 | | 30.40 | | 2.22 | 0.92 | | 0.74 | | |
| Total | 54.46 | 132.58 | 347.10 | 1351.32 | 1802.42 | 6540.70 | 6494.36 | 469.20 | 113.23 | 40.16 | 16.83 | 43.28 | 17405.64 | CMSDAY |
| Mean | 1.82 | 4.28 | 11.57 | 43.59 | 58.14 | 218.02 | 209.50 | 15.64 | 3.65 | 1.30 | 0.60 | 1.40 | 47.69 | CMS |
| Max | 7.20 | 12.00 | 72.72 | 89.64 | 189.08 | 347.20 | 484.80 | 28.80 | 7.20 | 2.22 | 1.42 | 3.69 | 484.80 | CMS |
| Min | 0.38 | 1.10 | 1.42 | 15.60 | 12.60 | 96.12 | 30.40 | 7.80 | 2.22 | 0.83 | 0.14 | 0.56 | 0.14 | CMS |
| Runoff | 4.71 | 11.45 | 29.99 | 116.75 | 155.73 | 565.12 | 561.11 | 40.54 | 9.78 | 3.47 | 1.45 | 3.74 | 1503.85 | MCM |

Momentary Peak 487.60 CMS, at 197.42 m. (MSL.), at 06.00 Hours, on Oct 11, 2006

Runoff Yield 11.33 Liters/Second/Square KM. Momentary Peak Yield 115.87 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Pa Thao at Ban Tat Ton , Chaiyaphum (E.6C)

Lat 15 - 57 - 43 N Long 102 - 02 - 00 E

**Location : on right bank about 5 kilometers upstream from E.6A station at Ban Tat Ton.**

| | | | |
|---|---|---|---|
| | **Ban** Tat Ton | **Amphoe** Mueang | **Changwat** Chaiyaphum |
| **Drainge Area** | 378 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +192.700 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | About 2 meters from the sling pole. | | **Elevation** +199.546 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1973 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1973 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1973 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Lam Pa Thao Dam situated about 2 kilometers upstream from the gage site. Stage-discharge relation defined by 30 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

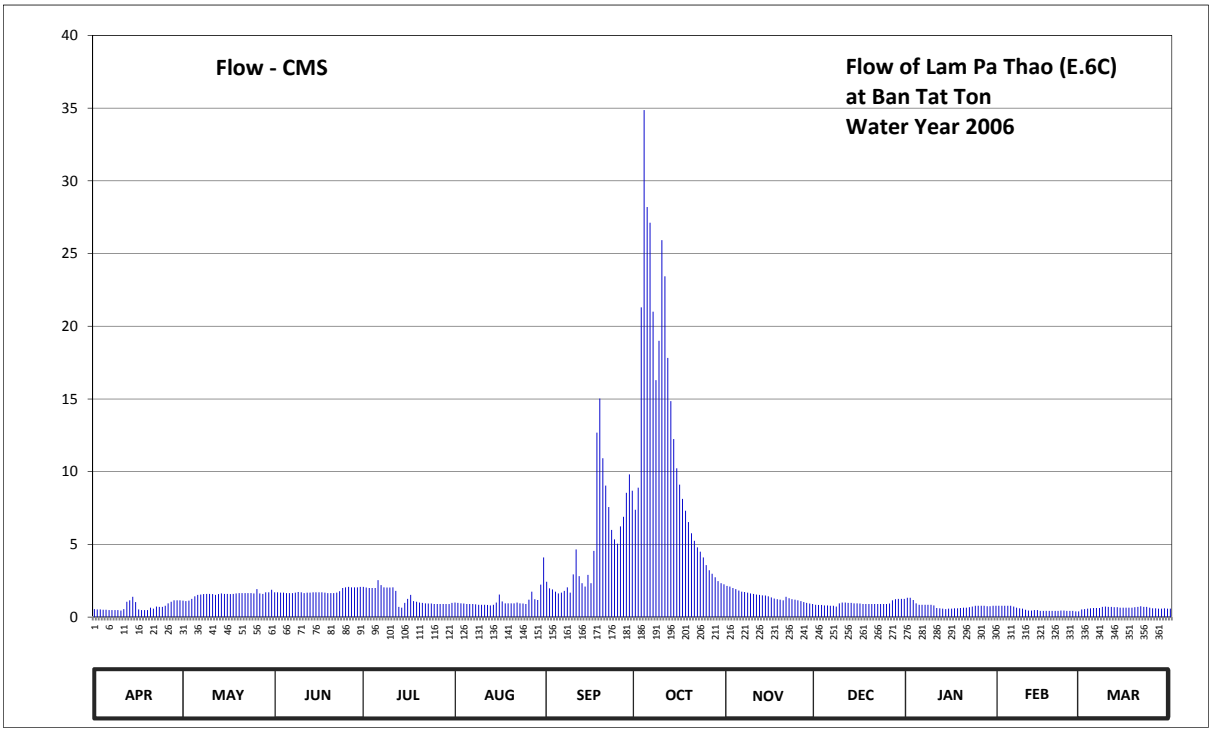
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 192.62 | 192.85 | 193.08 | 193.23 | 192.80 | 193.37 | 194.38 | 193.26 | 192.74 | 192.93 | 192.71 | 192.61 | |
| 2 | 192.61 | 192.84 | 193.08 | 193.21 | 192.79 | 193.19 | 194.60 | 193.24 | 192.73 | 192.93 | 192.71 | 192.62 | |
| 3 | 192.61 | 192.85 | 193.07 | 193.20 | 192.78 | 193.16 | 196.03 | 193.20 | 192.73 | 192.87 | 192.71 | 192.63 | |
| 4 | 192.60 | 192.90 | 193.07 | 193.20 | 192.77 | 193.10 | 197.19 | 193.17 | 192.72 | 192.78 | 192.71 | 192.64 | |
| 5 | 192.60 | 192.97 | 193.06 | 193.20 | 192.76 | 193.05 | 196.65 | 193.13 | 192.72 | 192.74 | 192.71 | 192.65 | |
| 6 | 192.59 | 193.01 | 193.06 | 193.41 | 192.76 | 193.07 | 196.56 | 193.10 | 192.71 | 192.74 | 192.69 | 192.65 | |
| 7 | 192.59 | 193.02 | 193.06 | 193.28 | 192.76 | 193.12 | 196.00 | 193.09 | 192.71 | 192.74 | 192.66 | 192.65 | |
| 8 | 192.59 | 193.03 | 193.07 | 193.22 | 192.75 | 193.22 | 195.51 | 193.07 | 192.69 | 192.74 | 192.64 | 192.68 | |
| 9 | 192.59 | 193.04 | 193.09 | 193.21 | 192.74 | 193.07 | 195.80 | 193.05 | 192.78 | 192.74 | 192.63 | 192.69 | |
| 10 | 192.58 | 193.04 | 193.08 | 193.21 | 192.74 | 193.51 | 196.46 | 193.04 | 192.80 | 192.72 | 192.60 | 192.68 | |
| 11 | 192.62 | 193.03 | 193.06 | 193.22 | 192.74 | 193.89 | 196.24 | 193.02 | 192.80 | 192.65 | 192.58 | 192.68 | |
| 12 | 192.82 | 193.01 | 193.07 | 193.12 | 192.73 | 193.48 | 195.68 | 193.01 | 192.79 | 192.64 | 192.58 | 192.67 | |
| 13 | 192.86 | 193.03 | 193.07 | 192.68 | 192.72 | 193.33 | 195.35 | 193.00 | 192.79 | 192.63 | 192.59 | 192.67 | |
| 14 | 192.96 | 193.05 | 193.08 | 192.66 | 192.74 | 193.24 | 195.06 | 192.99 | 192.78 | 192.62 | 192.59 | 192.66 | |
| 15 | 192.81 | 193.04 | 193.08 | 192.79 | 192.80 | 193.50 | 194.79 | 192.97 | 192.78 | 192.63 | 192.57 | 192.66 | |
| 16 | 192.61 | 193.04 | 193.08 | 192.90 | 193.02 | 193.33 | 194.63 | 192.94 | 192.77 | 192.63 | 192.57 | 192.66 | |
| 17 | 192.59 | 193.03 | 193.08 | 193.01 | 192.83 | 193.87 | 194.49 | 192.91 | 192.76 | 192.64 | 192.57 | 192.66 | |
| 18 | 192.59 | 193.04 | 193.07 | 192.84 | 192.78 | 195.11 | 194.37 | 192.89 | 192.76 | 192.64 | 192.57 | 192.66 | |
| 19 | 192.59 | 193.05 | 193.06 | 192.82 | 192.78 | 195.37 | 194.24 | 192.88 | 192.76 | 192.65 | 192.57 | 192.67 | |
| 20 | 192.66 | 193.06 | 193.06 | 192.80 | 192.78 | 194.89 | 194.11 | 192.86 | 192.76 | 192.66 | 192.57 | 192.68 | |
| 21 | 192.63 | 193.06 | 193.06 | 192.79 | 192.78 | 194.62 | 194.01 | 192.96 | 192.76 | 192.66 | 192.57 | 192.70 | |
| 22 | 192.69 | 193.06 | 193.07 | 192.78 | 192.80 | 194.41 | 193.92 | 192.92 | 192.76 | 192.67 | 192.58 | 192.68 | |
| 23 | 192.68 | 193.06 | 193.11 | 192.77 | 192.78 | 194.15 | 193.86 | 192.89 | 192.76 | 192.69 | 192.58 | 192.68 | |
| 24 | 192.68 | 193.06 | 193.20 | 192.77 | 192.77 | 194.03 | 193.78 | 192.88 | 192.76 | 192.71 | 192.57 | 192.66 | |
| 25 | 192.71 | 193.05 | 193.22 | 192.76 | 192.76 | 193.97 | 193.67 | 192.86 | 192.76 | 192.71 | 192.57 | 192.64 | |
| 26 | 192.78 | 193.17 | 193.23 | 192.76 | 192.88 | 194.19 | 193.58 | 192.84 | 192.77 | 192.71 | 192.57 | 192.64 | |
| 27 | 192.82 | 193.05 | 193.22 | 192.76 | 193.10 | 194.30 | 193.52 | 192.81 | 192.86 | 192.71 | 192.56 | 192.63 | |
| 28 | 192.86 | 193.04 | 193.22 | 192.76 | 192.89 | 194.55 | 193.46 | 192.79 | 192.89 | 192.70 | 192.56 | 192.63 | |
| 29 | 192.86 | 193.08 | 193.22 | 192.76 | 192.87 | 194.73 | 193.39 | 192.77 | 192.90 | 192.70 | | 192.64 | |
| 30 | 192.86 | 193.08 | 193.23 | 192.76 | 193.29 | 194.57 | 193.33 | 192.76 | 192.90 | 192.71 | | 192.63 | |
| 31 | | 193.15 | | 192.79 | 193.78 | | 193.30 | | 192.90 | 192.71 | | 192.63 | |
| Mean | 192.69 | 193.03 | 193.11 | 192.96 | 192.85 | 193.85 | 194.77 | 192.98 | 192.78 | 192.71 | 192.61 | 192.66 | |
| Max | 192.96 | 193.17 | 193.23 | 193.41 | 193.78 | 195.37 | 197.19 | 193.26 | 192.90 | 192.93 | 192.71 | 192.70 | 197.19 |
| Min | 192.58 | 192.84 | 193.06 | 192.66 | 192.72 | 193.05 | 193.30 | 192.76 | 192.69 | 192.62 | 192.56 | 192.61 | 192.56 |

Annual Max Momentary Gage Height 197.60 m. (MSL.) , at 09.00 Hours, on Oct 4, 2006

Zero Gage at Bottom Elevation 192.70 m. (MSL.) , River Bed 192.41 m. (MSL.)

Left Bank Elevation 200.11 m. (MSL.) ,

Right Bank Elevation 199.18 m. (MSL.) , Drainage Are 378 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.55 | 1.13 | 1.70 | 2.08 | 1.00 | 2.43 | 7.38 | 2.15 | 0.85 | 1.33 | 0.78 | 0.53 | | |
| 2 | 0.53 | 1.10 | 1.70 | 2.03 | 0.98 | 1.98 | 8.90 | 2.10 | 0.83 | 1.33 | 0.78 | 0.55 | | |
| 3 | 0.53 | 1.13 | 1.68 | 2.00 | 0.95 | 1.90 | 21.30 | 2.00 | 0.83 | 1.18 | 0.78 | 0.58 | | |
| 4 | 0.50 | 1.25 | 1.68 | 2.00 | 0.93 | 1.75 | 34.87 | 1.93 | 0.80 | 0.95 | 0.78 | 0.60 | | |
| 5 | 0.50 | 1.43 | 1.65 | 2.00 | 0.90 | 1.63 | 28.20 | 1.83 | 0.80 | 0.85 | 0.78 | 0.63 | | |
| 6 | 0.48 | 1.53 | 1.65 | 2.54 | 0.90 | 1.68 | 27.12 | 1.75 | 0.78 | 0.85 | 0.73 | 0.63 | | |
| 7 | 0.48 | 1.55 | 1.65 | 2.20 | 0.90 | 1.80 | 21.00 | 1.73 | 0.78 | 0.85 | 0.65 | 0.63 | | |
| 8 | 0.48 | 1.58 | 1.68 | 2.05 | 0.88 | 2.05 | 16.29 | 1.68 | 0.73 | 0.85 | 0.60 | 0.70 | | |
| 9 | 0.48 | 1.60 | 1.73 | 2.03 | 0.85 | 1.68 | 19.00 | 1.63 | 0.95 | 0.85 | 0.58 | 0.73 | | |
| 10 | 0.45 | 1.60 | 1.70 | 2.03 | 0.85 | 2.94 | 25.92 | 1.60 | 1.00 | 0.80 | 0.50 | 0.70 | | |
| 11 | 0.55 | 1.58 | 1.65 | 2.05 | 0.85 | 4.65 | 23.44 | 1.55 | 1.00 | 0.63 | 0.45 | 0.70 | | |
| 12 | 1.05 | 1.53 | 1.68 | 1.80 | 0.83 | 2.82 | 17.82 | 1.53 | 0.98 | 0.60 | 0.45 | 0.68 | | |
| 13 | 1.15 | 1.58 | 1.68 | 0.70 | 0.80 | 2.33 | 14.85 | 1.50 | 0.98 | 0.58 | 0.48 | 0.68 | | |
| 14 | 1.40 | 1.63 | 1.70 | 0.65 | 0.85 | 2.10 | 12.24 | 1.48 | 0.95 | 0.55 | 0.48 | 0.65 | | |
| 15 | 1.03 | 1.60 | 1.70 | 0.98 | 1.00 | 2.90 | 10.23 | 1.43 | 0.95 | 0.58 | 0.43 | 0.65 | | |
| 16 | 0.53 | 1.60 | 1.70 | 1.25 | 1.55 | 2.33 | 9.11 | 1.35 | 0.93 | 0.58 | 0.43 | 0.65 | | |
| 17 | 0.48 | 1.58 | 1.70 | 1.53 | 1.08 | 4.55 | 8.13 | 1.28 | 0.90 | 0.60 | 0.43 | 0.65 | | |
| 18 | 0.48 | 1.60 | 1.68 | 1.10 | 0.95 | 12.69 | 7.32 | 1.23 | 0.90 | 0.60 | 0.43 | 0.65 | | |
| 19 | 0.48 | 1.63 | 1.65 | 1.05 | 0.95 | 15.03 | 6.54 | 1.20 | 0.90 | 0.63 | 0.43 | 0.68 | | |
| 20 | 0.65 | 1.65 | 1.65 | 1.00 | 0.95 | 10.93 | 5.76 | 1.15 | 0.90 | 0.65 | 0.43 | 0.70 | | |
| 21 | 0.58 | 1.65 | 1.65 | 0.98 | 0.95 | 9.04 | 5.25 | 1.40 | 0.90 | 0.65 | 0.43 | 0.75 | | |
| 22 | 0.73 | 1.65 | 1.68 | 0.95 | 1.00 | 7.57 | 4.80 | 1.30 | 0.90 | 0.68 | 0.45 | 0.70 | | |
| 23 | 0.70 | 1.65 | 1.78 | 0.93 | 0.95 | 6.00 | 4.50 | 1.23 | 0.90 | 0.73 | 0.45 | 0.70 | | |
| 24 | 0.70 | 1.65 | 2.00 | 0.93 | 0.93 | 5.35 | 4.10 | 1.20 | 0.90 | 0.78 | 0.43 | 0.65 | | |
| 25 | 0.78 | 1.63 | 2.05 | 0.90 | 0.90 | 5.05 | 3.58 | 1.15 | 0.90 | 0.78 | 0.43 | 0.60 | | |
| 26 | 0.95 | 1.93 | 2.08 | 0.90 | 1.20 | 6.24 | 3.22 | 1.10 | 0.93 | 0.78 | 0.43 | 0.60 | | |
| 27 | 1.05 | 1.63 | 2.05 | 0.90 | 1.75 | 6.90 | 2.98 | 1.03 | 1.15 | 0.78 | 0.40 | 0.58 | | |
| 28 | 1.15 | 1.60 | 2.05 | 0.90 | 1.23 | 8.55 | 2.74 | 0.98 | 1.23 | 0.75 | 0.40 | 0.58 | | |
| 29 | 1.15 | 1.70 | 2.05 | 0.90 | 1.18 | 9.81 | 2.48 | 0.93 | 1.25 | 0.75 | | 0.60 | | |
| 30 | 1.15 | 1.70 | 2.08 | 0.90 | 2.23 | 8.69 | 2.33 | 0.90 | 1.25 | 0.78 | | 0.58 | | |
| 31 | | 1.88 | | 0.98 | 4.10 | | 2.25 | | 1.25 | 0.78 | | 0.58 | | |
| Total | 21.72 | 48.55 | 53.08 | 43.24 | 35.37 | 153.37 | 363.65 | 43.32 | 29.30 | 24.08 | 14.82 | 19.89 | 850.39 | CMSDAY |
| Mean | 0.72 | 1.57 | 1.77 | 1.39 | 1.14 | 5.11 | 11.73 | 1.44 | 0.95 | 0.78 | 0.53 | 0.64 | 2.33 | CMS |
| Max | 1.40 | 1.93 | 2.08 | 2.54 | 4.10 | 15.03 | 34.87 | 2.15 | 1.25 | 1.33 | 0.78 | 0.75 | 34.87 | CMS |
| Min | 0.45 | 1.10 | 1.65 | 0.65 | 0.80 | 1.63 | 2.25 | 0.90 | 0.73 | 0.55 | 0.40 | 0.53 | 0.40 | CMS |
| Runoff | 1.88 | 4.19 | 4.59 | 3.74 | 3.06 | 13.25 | 31.42 | 3.74 | 2.53 | 2.08 | 1.28 | 1.72 | 73.47 | MCM |

Momentary Peak 40.40 CMS, at 197.60 m. (MSL.), at 09.00 Hours, on Oct 4, 2006

Runoff Yield 6.16 Liters/Second/Square KM. Momentary Peak Yield 106.88 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Chot , Khon Kaen (E.9)

Lat 16 - 05 - 44 N Long 102 - 34 - 25 E

**Location : on left bank about 80 meters downstream from the bridge on highway.**

**Ban** Chot **Amphoe** Manchakhiri **Changwat** Khon Kaen

| | |
|---|---|
| **Drainge Area** | 10,878 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +151.113 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On left bank about 25 meters from the top staff gage. **Elevation** +167.014 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1958 to date |
| **Rating Operation** | |
| **Period of Rating** | 1967 - 1973, 1986 - 1987, 1992 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1967 - 1980, 1983 - 1987, 1992 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The barrage situated above gage site. Stage-discharge relation defined by 28 discharge measurement made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

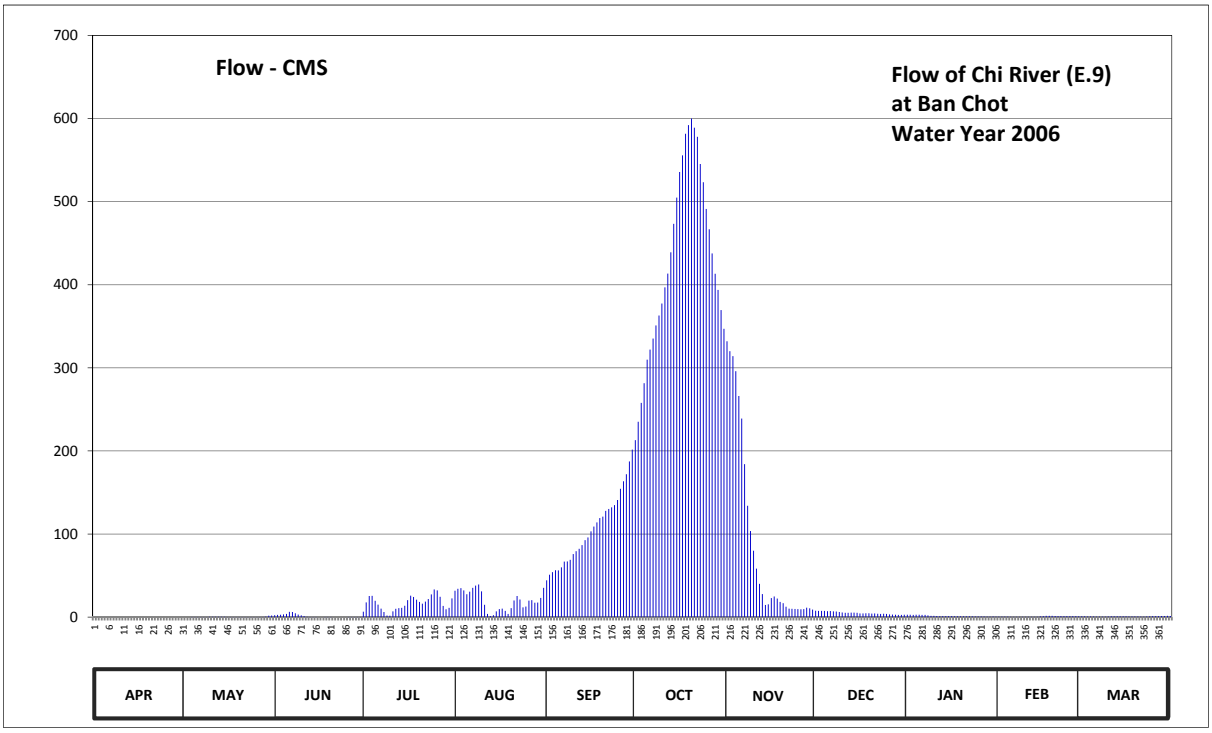
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152.13 | 152.21 | 152.85 | 153.35 | 155.25 | 155.91 | 160.67 | 161.74 | 154.42 | 153.23 | 152.55 | 152.67 | |
| 2 | 152.14 | 152.22 | 152.93 | 154.35 | 155.39 | 156.25 | 160.89 | 161.70 | 154.37 | 153.20 | 152.53 | 152.64 | |
| 3 | 152.14 | 152.26 | 152.98 | 154.86 | 155.43 | 156.40 | 161.09 | 161.68 | 154.39 | 153.17 | 152.53 | 152.58 | |
| 4 | 152.14 | 152.28 | 153.02 | 154.87 | 155.27 | 156.52 | 161.26 | 161.62 | 154.38 | 153.21 | 152.51 | 152.56 | |
| 5 | 152.13 | 152.28 | 153.08 | 154.47 | 155.00 | 156.51 | 161.44 | 161.52 | 154.29 | 153.20 | 152.47 | 152.56 | |
| 6 | 152.13 | 152.27 | 153.34 | 154.17 | 155.18 | 156.68 | 161.51 | 161.43 | 154.33 | 153.17 | 152.45 | 152.54 | |
| 7 | 152.13 | 152.27 | 153.31 | 153.71 | 155.45 | 156.99 | 161.58 | 161.25 | 154.24 | 153.15 | 152.44 | 152.51 | |
| 8 | 152.12 | 152.31 | 153.16 | 153.31 | 155.60 | 157.00 | 161.65 | 160.91 | 154.17 | 153.03 | 152.44 | 152.49 | |
| 9 | 152.12 | 152.33 | 153.01 | 152.79 | 155.66 | 157.08 | 161.70 | 160.49 | 154.03 | 152.87 | 152.44 | 152.53 | |
| 10 | 152.13 | 152.46 | 152.82 | 152.73 | 155.21 | 157.37 | 161.76 | 159.86 | 153.89 | 152.82 | 152.44 | 152.58 | |
| 11 | 152.11 | 152.45 | 152.61 | 153.39 | 154.16 | 157.51 | 161.83 | 159.02 | 153.81 | 152.79 | 152.44 | 152.63 | |
| 12 | 152.13 | 152.45 | 152.45 | 153.70 | 153.08 | 157.62 | 161.88 | 157.96 | 153.81 | 152.71 | 152.44 | 152.66 | |
| 13 | 152.14 | 152.44 | 152.39 | 153.77 | 152.65 | 157.79 | 161.95 | 156.98 | 153.83 | 152.71 | 152.44 | 152.66 | |
| 14 | 152.16 | 152.43 | 152.32 | 153.82 | 152.85 | 158.02 | 162.04 | 155.68 | 153.83 | 152.71 | 152.48 | 152.67 | |
| 15 | 152.17 | 152.43 | 152.32 | 154.07 | 153.39 | 158.15 | 162.12 | 155.77 | 153.79 | 152.69 | 152.63 | 152.67 | |
| 16 | 152.17 | 152.41 | 152.24 | 154.52 | 153.67 | 158.43 | 162.19 | 156.57 | 153.61 | 152.69 | 152.74 | 152.62 | |
| 17 | 152.18 | 152.35 | 152.26 | 154.88 | 153.71 | 158.63 | 162.23 | 156.74 | 153.62 | 152.68 | 152.84 | 152.59 | |
| 18 | 152.16 | 152.31 | 152.29 | 154.78 | 153.44 | 158.80 | 162.28 | 156.52 | 153.66 | 152.66 | 152.84 | 152.56 | |
| 19 | 152.15 | 152.29 | 152.31 | 154.57 | 153.08 | 158.97 | 162.30 | 156.09 | 153.63 | 152.65 | 152.84 | 152.56 | |
| 20 | 152.15 | 152.29 | 152.28 | 154.38 | 153.78 | 159.03 | 162.29 | 155.91 | 153.56 | 152.65 | 152.80 | 152.56 | |
| 21 | 152.16 | 152.29 | 152.23 | 154.24 | 154.50 | 159.26 | 162.27 | 155.42 | 153.59 | 152.65 | 152.74 | 152.55 | |
| 22 | 152.16 | 152.31 | 152.16 | 154.41 | 154.86 | 159.34 | 162.25 | 155.03 | 153.52 | 152.63 | 152.74 | 152.54 | |
| 23 | 152.16 | 152.35 | 152.12 | 154.62 | 154.58 | 159.40 | 162.19 | 154.99 | 153.48 | 152.63 | 152.73 | 152.59 | |
| 24 | 152.15 | 152.35 | 152.14 | 154.99 | 153.87 | 159.47 | 162.15 | 154.95 | 153.50 | 152.61 | 152.71 | 152.68 | |
| 25 | 152.15 | 152.33 | 152.21 | 155.34 | 153.96 | 159.62 | 162.09 | 154.92 | 153.46 | 152.58 | 152.69 | 152.72 | |
| 26 | 152.14 | 152.32 | 152.29 | 155.27 | 154.49 | 159.89 | 162.04 | 154.86 | 153.31 | 152.56 | 152.69 | 152.74 | |
| 27 | 152.14 | 152.31 | 152.28 | 154.80 | 154.52 | 160.04 | 161.98 | 154.88 | 153.27 | 152.56 | 152.69 | 152.74 | |
| 28 | 152.14 | 152.36 | 152.27 | 154.04 | 154.32 | 160.17 | 161.93 | 155.22 | 153.22 | 152.54 | 152.66 | 152.75 | |
| 29 | 152.19 | 152.53 | 152.27 | 153.64 | 154.33 | 160.38 | 161.89 | 155.10 | 153.18 | 152.54 | | 152.77 | |
| 30 | 152.20 | 152.73 | 152.28 | 153.82 | 154.70 | 160.55 | 161.84 | 154.76 | 153.16 | 152.56 | | 152.81 | |
| 31 | | 152.79 | | 154.67 | 155.45 | | 161.79 | | 153.20 | 152.55 | | 152.80 | |
| Mean | 152.15 | 152.37 | 152.54 | 154.20 | 154.41 | 158.26 | 161.84 | 157.65 | 153.76 | 152.79 | 152.61 | 152.63 | |
| Max | 152.20 | 152.79 | 153.34 | 155.34 | 155.66 | 160.55 | 162.30 | 161.74 | 154.42 | 153.23 | 152.84 | 152.81 | 162.30 |
| Min | 152.11 | 152.21 | 152.12 | 152.73 | 152.65 | 155.91 | 160.67 | 154.76 | 153.16 | 152.54 | 152.44 | 152.49 | 152.11 |

Annual Max Momentary Gage Height 162.31 m. (MSL.) , at 18.00 Hours, on Oct 19, 2006

Zero Gage at Bottom Elevation 151.11 m. (MSL.) , River Bed 149.98 m. (MSL.)

Left Bank Elevation 166.90 m. (MSL.) ,

Right Bank Elevation 166.60 m. (MSL.) , Drainage Are 10,878 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.04 | 0.06 | 2.25 | 6.50 | 31.75 | 44.20 | 213.00 | 332.00 | 7.68 | 2.92 | 0.65 | 1.01 | | |
| 2 | 0.04 | 0.06 | 2.65 | 17.75 | 34.13 | 51.00 | 235.00 | 320.00 | 7.48 | 2.80 | 0.59 | 0.92 | | |
| 3 | 0.04 | 0.08 | 2.90 | 25.40 | 34.81 | 54.00 | 257.80 | 314.00 | 7.56 | 2.68 | 0.59 | 0.74 | | |
| 4 | 0.04 | 0.09 | 3.20 | 25.55 | 32.09 | 56.44 | 281.40 | 296.00 | 7.52 | 2.84 | 0.53 | 0.68 | | |
| 5 | 0.04 | 0.09 | 3.80 | 19.55 | 27.50 | 56.22 | 309.80 | 266.00 | 7.16 | 2.80 | 0.41 | 0.68 | | |
| 6 | 0.04 | 0.09 | 6.40 | 15.05 | 30.56 | 59.96 | 321.90 | 239.00 | 7.32 | 2.68 | 0.35 | 0.62 | | |
| 7 | 0.04 | 0.09 | 6.10 | 10.10 | 35.15 | 66.78 | 335.20 | 184.00 | 6.96 | 2.60 | 0.32 | 0.53 | | |
| 8 | 0.03 | 0.11 | 4.60 | 6.10 | 38.00 | 67.00 | 351.00 | 134.00 | 6.68 | 2.12 | 0.32 | 0.47 | | |
| 9 | 0.03 | 0.13 | 3.10 | 1.95 | 39.20 | 68.92 | 363.00 | 103.50 | 6.12 | 1.61 | 0.32 | 0.59 | | |
| 10 | 0.04 | 0.38 | 2.10 | 1.65 | 31.07 | 75.88 | 377.40 | 79.80 | 5.56 | 1.46 | 0.32 | 0.74 | | |
| 11 | 0.03 | 0.35 | 1.05 | 6.90 | 14.90 | 79.26 | 396.90 | 58.40 | 5.24 | 1.37 | 0.32 | 0.89 | | |
| 12 | 0.04 | 0.35 | 0.35 | 10.00 | 3.80 | 82.12 | 413.40 | 39.98 | 5.24 | 1.13 | 0.32 | 0.98 | | |
| 13 | 0.04 | 0.32 | 0.19 | 10.70 | 1.25 | 86.54 | 439.00 | 27.76 | 5.32 | 1.13 | 0.32 | 0.98 | | |
| 14 | 0.04 | 0.29 | 0.12 | 11.20 | 2.25 | 92.52 | 473.20 | 14.62 | 5.32 | 1.13 | 0.44 | 1.01 | | |
| 15 | 0.04 | 0.29 | 0.12 | 13.70 | 6.90 | 95.90 | 504.80 | 15.43 | 5.16 | 1.07 | 0.89 | 1.01 | | |
| 16 | 0.04 | 0.23 | 0.07 | 20.30 | 9.70 | 103.18 | 535.60 | 22.84 | 4.44 | 1.07 | 1.22 | 0.86 | | |
| 17 | 0.05 | 0.15 | 0.08 | 25.70 | 10.10 | 108.90 | 555.60 | 24.88 | 4.48 | 1.04 | 1.52 | 0.77 | | |
| 18 | 0.04 | 0.11 | 0.10 | 24.20 | 7.40 | 114.00 | 581.60 | 22.24 | 4.64 | 0.98 | 1.52 | 0.68 | | |
| 19 | 0.04 | 0.10 | 0.11 | 21.05 | 3.80 | 119.10 | 592.00 | 18.31 | 4.52 | 0.95 | 1.52 | 0.68 | | |
| 20 | 0.04 | 0.10 | 0.09 | 18.20 | 10.80 | 120.90 | 599.87 | 16.69 | 4.24 | 0.95 | 1.40 | 0.68 | | |
| 21 | 0.04 | 0.10 | 0.07 | 16.10 | 20.00 | 127.80 | 588.93 | 12.52 | 4.36 | 0.95 | 1.22 | 0.65 | | |
| 22 | 0.04 | 0.11 | 0.04 | 18.65 | 25.40 | 130.20 | 578.00 | 10.18 | 4.08 | 0.89 | 1.22 | 0.62 | | |
| 23 | 0.04 | 0.15 | 0.03 | 21.80 | 21.20 | 132.00 | 545.20 | 9.96 | 3.92 | 0.89 | 1.19 | 0.77 | | |
| 24 | 0.04 | 0.15 | 0.04 | 27.35 | 11.70 | 134.80 | 523.33 | 9.80 | 4.00 | 0.83 | 1.13 | 1.04 | | |
| 25 | 0.04 | 0.13 | 0.06 | 33.28 | 12.60 | 141.00 | 491.13 | 9.68 | 3.84 | 0.74 | 1.07 | 1.16 | | |
| 26 | 0.04 | 0.12 | 0.10 | 32.09 | 19.85 | 154.50 | 466.80 | 9.44 | 3.24 | 0.68 | 1.07 | 1.22 | | |
| 27 | 0.04 | 0.11 | 0.09 | 24.50 | 20.30 | 163.40 | 437.60 | 9.52 | 3.08 | 0.68 | 1.07 | 1.22 | | |
| 28 | 0.04 | 0.16 | 0.09 | 13.40 | 17.30 | 171.90 | 413.27 | 11.32 | 2.88 | 0.62 | 0.98 | 1.25 | | |
| 29 | 0.05 | 0.65 | 0.09 | 9.40 | 17.45 | 187.40 | 393.80 | 10.60 | 2.72 | 0.62 | | 1.31 | | |
| 30 | 0.05 | 1.65 | 0.09 | 11.20 | 23.00 | 201.50 | 369.47 | 9.04 | 2.64 | 0.68 | | 1.43 | | |
| 31 | | 1.95 | | 22.55 | 35.15 | | 347.00 | | 2.80 | 0.65 | | 1.40 | | |
| Total | 1.20 | 8.75 | 40.08 | 521.87 | 629.11 | 3147.32 | 13292.00 | 2631.51 | 156.20 | 43.56 | 22.82 | 27.59 | 20522.01 | CMSDAY |
| Mean | 0.04 | 0.28 | 1.34 | 16.83 | 20.29 | 104.91 | 428.77 | 87.72 | 5.04 | 1.41 | 0.82 | 0.89 | 56.22 | CMS |
| Max | 0.05 | 1.95 | 6.40 | 33.28 | 39.20 | 201.50 | 599.87 | 332.00 | 7.68 | 2.92 | 1.52 | 1.43 | 599.87 | CMS |
| Min | 0.03 | 0.06 | 0.03 | 1.65 | 1.25 | 44.20 | 213.00 | 9.04 | 2.64 | 0.62 | 0.32 | 0.47 | 0.03 | CMS |
| Runoff | 0.10 | 0.76 | 3.46 | 45.09 | 54.36 | 271.93 | 1148.43 | 227.36 | 13.50 | 3.76 | 1.97 | 2.38 | 1773.10 | MCM |

Momentary Peak 598.80 CMS, at 162.31 m. (MSL.), at 18.00 Hours, on Oct 19, 2006

Runoff Yield 5.17 Liters/Second/Square KM. Momentary Peak Yield 55.05 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Tha Sa Baeng , Roi Et (E.18)

Lat 16 - 01 - 59 N Long 103 - 54 - 41 E

**Location : on right bank at Ban Tha Sa Bang.**

**Ban** Tha Sa Baeng **Amphoe** Thung Khao Luang **Changwat** Roi Et

| | |
|---|---|
| **Drainge Area** | 41,187 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +122.240 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +132.496 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1974 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1974 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 150 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

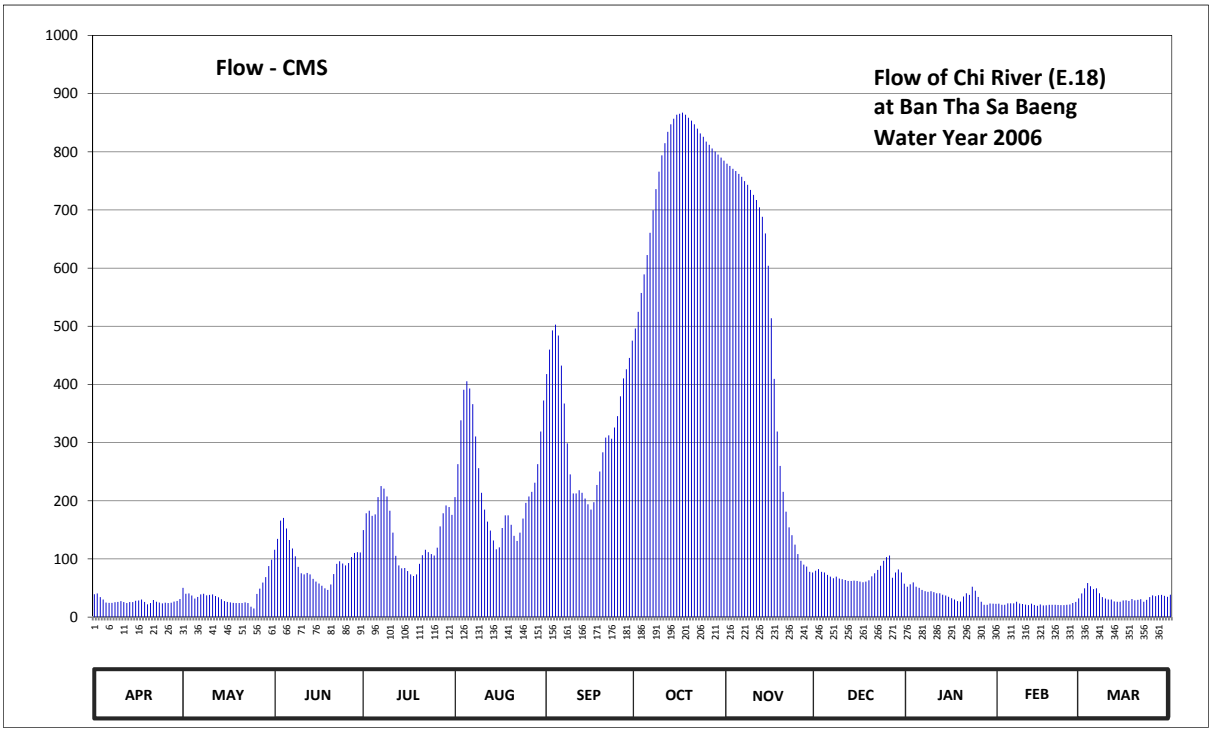
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 124.26 | 124.46 | 124.74 | 125.13 | 125.76 | 127.90 | 128.62 | 131.02 | 124.19 | 124.49 | 123.70 | 124.29 | |
| 2 | 124.29 | 124.28 | 124.96 | 125.45 | 126.36 | 128.29 | 128.88 | 130.99 | 124.23 | 124.53 | 123.63 | 124.45 | |
| 3 | 124.11 | 124.29 | 125.31 | 125.50 | 127.13 | 128.59 | 129.17 | 130.95 | 124.16 | 124.56 | 123.63 | 124.55 | |
| 4 | 123.97 | 124.20 | 125.36 | 125.40 | 127.64 | 128.68 | 129.45 | 130.92 | 124.14 | 124.49 | 123.72 | 124.50 | |
| 5 | 123.78 | 124.03 | 125.16 | 125.43 | 127.78 | 128.51 | 129.74 | 130.88 | 124.08 | 124.46 | 123.72 | 124.43 | |
| 6 | 123.76 | 124.12 | 124.94 | 125.76 | 127.66 | 128.04 | 130.07 | 130.84 | 124.03 | 124.41 | 123.72 | 124.45 | |
| 7 | 123.76 | 124.25 | 124.77 | 125.97 | 127.40 | 127.41 | 130.38 | 130.78 | 123.99 | 124.37 | 123.83 | 124.30 | |
| 8 | 123.80 | 124.28 | 124.57 | 125.92 | 126.85 | 126.73 | 130.67 | 130.73 | 124.03 | 124.35 | 123.71 | 124.11 | |
| 9 | 123.82 | 124.21 | 124.29 | 125.77 | 126.29 | 126.18 | 130.91 | 130.66 | 123.98 | 124.37 | 123.68 | 124.03 | |
| 10 | 123.88 | 124.23 | 124.12 | 125.50 | 125.84 | 125.83 | 131.13 | 130.59 | 123.96 | 124.34 | 123.64 | 123.97 | |
| 11 | 123.81 | 124.25 | 124.09 | 125.08 | 125.52 | 125.83 | 131.29 | 130.52 | 123.94 | 124.30 | 123.60 | 123.97 | |
| 12 | 123.75 | 124.18 | 124.13 | 124.58 | 125.29 | 125.89 | 131.43 | 130.42 | 123.91 | 124.30 | 123.70 | 123.86 | |
| 13 | 123.81 | 124.10 | 124.09 | 124.33 | 125.12 | 125.84 | 131.52 | 130.29 | 123.91 | 124.24 | 123.61 | 123.84 | |
| 14 | 123.81 | 123.99 | 123.97 | 124.25 | 124.93 | 125.73 | 131.58 | 130.06 | 123.92 | 124.20 | 123.56 | 123.84 | |
| 15 | 123.90 | 123.88 | 123.89 | 124.26 | 124.75 | 125.62 | 131.62 | 129.58 | 123.91 | 124.13 | 123.65 | 123.92 | |
| 16 | 123.92 | 123.82 | 123.83 | 124.18 | 124.80 | 125.52 | 131.63 | 128.78 | 123.89 | 124.05 | 123.58 | 123.93 | |
| 17 | 123.97 | 123.79 | 123.76 | 124.09 | 125.17 | 125.66 | 131.64 | 127.82 | 123.87 | 123.97 | 123.59 | 123.89 | |
| 18 | 123.82 | 123.76 | 123.68 | 124.05 | 125.41 | 125.99 | 131.62 | 126.94 | 123.89 | 123.88 | 123.63 | 124.00 | |
| 19 | 123.66 | 123.75 | 123.63 | 124.09 | 125.41 | 126.23 | 131.59 | 126.33 | 123.93 | 123.85 | 123.63 | 123.93 | |
| 20 | 123.75 | 123.75 | 123.80 | 124.37 | 125.23 | 126.57 | 131.56 | 125.86 | 124.04 | 124.15 | 123.63 | 123.96 | |
| 21 | 123.95 | 123.75 | 124.10 | 124.60 | 125.02 | 126.83 | 131.52 | 125.48 | 124.12 | 124.30 | 123.61 | 123.99 | |
| 22 | 123.84 | 123.79 | 124.37 | 124.74 | 124.92 | 126.87 | 131.47 | 125.18 | 124.21 | 124.23 | 123.60 | 123.84 | |
| 23 | 123.78 | 123.75 | 124.44 | 124.68 | 125.08 | 126.81 | 131.41 | 125.03 | 124.32 | 124.49 | 123.60 | 123.96 | |
| 24 | 123.73 | 123.49 | 124.38 | 124.63 | 125.35 | 127.01 | 131.37 | 124.85 | 124.45 | 124.39 | 123.63 | 124.11 | |
| 25 | 123.77 | 123.34 | 124.33 | 124.59 | 125.65 | 127.20 | 131.31 | 124.63 | 124.55 | 124.12 | 123.65 | 124.21 | |
| 26 | 123.75 | 123.50 | 124.39 | 124.79 | 125.77 | 127.53 | 131.27 | 124.45 | 124.59 | 123.84 | 123.75 | 124.17 | |
| 27 | 123.77 | 123.67 | 124.55 | 125.20 | 125.86 | 127.83 | 131.22 | 124.35 | 124.62 | 123.63 | 123.82 | 124.22 | |
| 28 | 123.85 | 123.86 | 124.66 | 125.45 | 126.03 | 127.98 | 131.18 | 124.30 | 124.67 | 123.63 | 124.04 | 124.23 | |
| 29 | 123.89 | 124.02 | 124.68 | 125.60 | 126.36 | 128.16 | 131.14 | 124.16 | 124.70 | 123.71 | | 124.19 | |
| 30 | 124.00 | 124.31 | 124.67 | 125.57 | 126.94 | 128.43 | 131.10 | 124.14 | 124.67 | 123.70 | | 124.13 | |
| 31 | | 124.48 | | 125.42 | 127.46 | | 131.06 | | 124.54 | 123.69 | | 124.24 | |
| Mean | 123.87 | 123.99 | 124.39 | 124.98 | 125.96 | 126.99 | 130.92 | 128.05 | 124.18 | 124.17 | 123.67 | 124.11 | |
| Max | 124.29 | 124.48 | 125.36 | 125.97 | 127.78 | 128.68 | 131.64 | 131.02 | 124.70 | 124.56 | 124.04 | 124.55 | 131.64 |
| Min | 123.66 | 123.34 | 123.63 | 124.05 | 124.75 | 125.52 | 128.62 | 124.14 | 123.87 | 123.63 | 123.56 | 123.84 | 123.34 |

Annual Max Momentary Gage Height 131.64 m. (MSL.) , at 12.00 Hours, on Oct 16, 2006

Zero Gage at Bottom Elevation 122.24 m. (MSL.) , River Bed 120.75 m. (MSL.)

Left Bank Elevation 135.03 m. (MSL.) ,

Right Bank Elevation 135.07 m. (MSL.) , Drainage Are 41,187 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39.40 | 50.20 | 115.80 | 149.70 | 206.40 | 417.70 | 496.20 | 779.60 | 79.85 | 52.30 | 23.00 | 40.60 | | |
| 2 | 40.60 | 40.20 | 134.40 | 178.50 | 262.92 | 459.90 | 524.80 | 775.75 | 82.45 | 56.30 | 21.25 | 49.50 | | |
| 3 | 34.30 | 40.60 | 165.90 | 183.00 | 338.39 | 492.90 | 557.38 | 770.75 | 77.90 | 59.60 | 21.25 | 58.50 | | |
| 4 | 30.10 | 37.00 | 170.40 | 174.00 | 390.92 | 502.80 | 589.30 | 767.00 | 76.60 | 52.30 | 23.50 | 53.00 | | |
| 5 | 25.00 | 31.90 | 152.40 | 176.70 | 405.34 | 484.10 | 622.36 | 762.00 | 72.70 | 50.20 | 23.50 | 48.10 | | |
| 6 | 24.50 | 34.60 | 132.60 | 206.40 | 392.98 | 432.40 | 660.75 | 757.00 | 69.45 | 46.70 | 23.50 | 49.50 | | |
| 7 | 24.50 | 39.00 | 117.90 | 225.30 | 366.20 | 367.23 | 699.50 | 749.50 | 66.90 | 44.50 | 26.25 | 41.00 | | |
| 8 | 25.50 | 40.20 | 104.55 | 220.80 | 310.45 | 298.81 | 735.75 | 743.25 | 69.45 | 43.50 | 23.25 | 34.30 | | |
| 9 | 26.00 | 37.40 | 86.35 | 207.30 | 256.13 | 245.46 | 765.75 | 734.50 | 66.30 | 44.50 | 22.50 | 31.90 | | |
| 10 | 27.50 | 38.20 | 75.30 | 183.00 | 213.60 | 212.70 | 793.90 | 725.75 | 65.10 | 43.00 | 21.50 | 30.10 | | |
| 11 | 25.75 | 39.00 | 73.35 | 145.20 | 184.80 | 212.70 | 814.70 | 717.00 | 63.90 | 41.00 | 20.50 | 30.10 | | |
| 12 | 24.25 | 36.40 | 75.95 | 105.20 | 164.10 | 218.10 | 834.20 | 704.50 | 62.10 | 41.00 | 23.00 | 27.00 | | |
| 13 | 25.75 | 34.00 | 73.35 | 88.95 | 148.80 | 213.60 | 847.20 | 688.25 | 62.10 | 38.60 | 20.75 | 26.50 | | |
| 14 | 25.75 | 30.70 | 65.70 | 83.75 | 131.70 | 203.70 | 856.80 | 659.50 | 62.70 | 37.00 | 19.50 | 26.50 | | |
| 15 | 28.00 | 27.50 | 60.95 | 84.40 | 116.50 | 193.80 | 863.60 | 604.12 | 62.10 | 34.90 | 21.75 | 28.60 | | |
| 16 | 28.60 | 26.00 | 57.65 | 79.20 | 120.00 | 184.80 | 865.40 | 513.80 | 60.95 | 32.50 | 20.00 | 28.90 | | |
| 17 | 30.10 | 25.25 | 53.80 | 73.35 | 153.30 | 197.40 | 867.20 | 409.46 | 59.85 | 30.10 | 20.25 | 27.75 | | |
| 18 | 26.00 | 24.50 | 49.40 | 70.75 | 174.90 | 227.10 | 863.60 | 319.18 | 60.95 | 27.50 | 21.25 | 31.00 | | |
| 19 | 22.00 | 24.25 | 46.65 | 73.35 | 174.90 | 250.31 | 858.40 | 260.01 | 63.30 | 26.75 | 21.25 | 28.90 | | |
| 20 | 24.25 | 24.25 | 56.00 | 91.55 | 158.70 | 283.29 | 853.60 | 215.40 | 70.10 | 35.50 | 21.25 | 29.80 | | |
| 21 | 29.50 | 24.25 | 74.00 | 106.50 | 139.80 | 308.51 | 847.20 | 181.20 | 75.30 | 41.00 | 20.75 | 30.70 | | |
| 22 | 26.50 | 25.25 | 91.55 | 115.80 | 130.80 | 312.39 | 839.80 | 154.20 | 81.15 | 38.20 | 20.50 | 26.50 | | |
| 23 | 25.00 | 24.25 | 96.10 | 111.70 | 145.20 | 306.57 | 831.40 | 140.70 | 88.30 | 52.30 | 20.50 | 29.80 | | |
| 24 | 23.75 | 17.80 | 92.20 | 108.45 | 169.50 | 326.03 | 825.80 | 124.50 | 96.75 | 45.50 | 21.25 | 34.30 | | |
| 25 | 24.75 | 14.80 | 88.95 | 105.85 | 196.50 | 345.60 | 817.40 | 108.45 | 103.25 | 34.60 | 21.75 | 37.40 | | |
| 26 | 24.25 | 40.00 | 92.85 | 119.30 | 207.30 | 379.59 | 812.10 | 96.75 | 105.85 | 26.50 | 24.25 | 36.10 | | |
| 27 | 24.75 | 48.85 | 103.25 | 156.00 | 215.40 | 410.49 | 805.60 | 90.25 | 67.60 | 21.25 | 26.00 | 37.80 | | |
| 28 | 26.75 | 59.30 | 110.40 | 178.50 | 230.91 | 425.94 | 800.40 | 87.00 | 76.60 | 21.25 | 32.20 | 38.20 | | |
| 29 | 27.75 | 68.80 | 111.70 | 192.00 | 262.92 | 445.60 | 795.20 | 77.90 | 82.00 | 23.25 | | 36.70 | | |
| 30 | 31.00 | 87.65 | 111.05 | 189.30 | 319.18 | 475.30 | 790.00 | 76.60 | 76.60 | 23.00 | | 34.90 | | |
| 31 | | 98.70 | | 175.80 | 372.38 | | 784.80 | | 57.40 | 22.75 | | 38.60 | | |
| Total | 821.85 | 1190.80 | 2840.45 | 4359.60 | 7060.92 | 9834.82 | 23920.09 | 13793.87 | 2265.55 | 1187.35 | 626.20 | 1102.55 | 69004.05 | CMSDAY |
| Mean | 27.39 | 38.41 | 94.68 | 140.63 | 227.77 | 327.83 | 771.62 | 459.80 | 73.08 | 38.30 | 22.36 | 35.57 | 189.05 | CMS |
| Max | 40.60 | 98.70 | 170.40 | 225.30 | 405.34 | 502.80 | 867.20 | 779.60 | 105.85 | 59.60 | 32.20 | 58.50 | 867.20 | CMS |
| Min | 22.00 | 14.80 | 46.65 | 70.75 | 116.50 | 184.80 | 496.20 | 76.60 | 57.40 | 21.25 | 19.50 | 26.50 | 14.80 | CMS |
| Runoff | 71.01 | 102.89 | 245.41 | 376.67 | 610.06 | 849.73 | 2066.70 | 1191.79 | 195.74 | 102.59 | 54.10 | 95.26 | 5961.95 | MCM |

Momentary Peak 867.20 CMS, at 131.64 m. (MSL.), at 12.00 Hours, on Oct 16, 2006

Runoff Yield 4.59 Liters/Second/Square KM. Momentary Peak Yield 21.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Maha Chana Chai , Yasothon (E.20A)

Lat 15 - 31 - 22 N Long 104 - 15 - 13 E

**Location : on right bank about 800 meters upstream from E.20 station.**

| | | | |
|---|---|---|---|
| | **Ban** Maha Chana Chai | **Amphoe** Maha Chana Chai | **Changwat** Yasothon |
| **Drainge Area** | 47,800 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +112.000 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On right bank at the abutment of the bridge. | | **Elevation** +127.137 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1973 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1974 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1974 to date | | |
| **Stability of Channel Regimes** | Stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Tat Noi barrage situated downstream from the gage site. Stage-discharge relation defined by 94 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

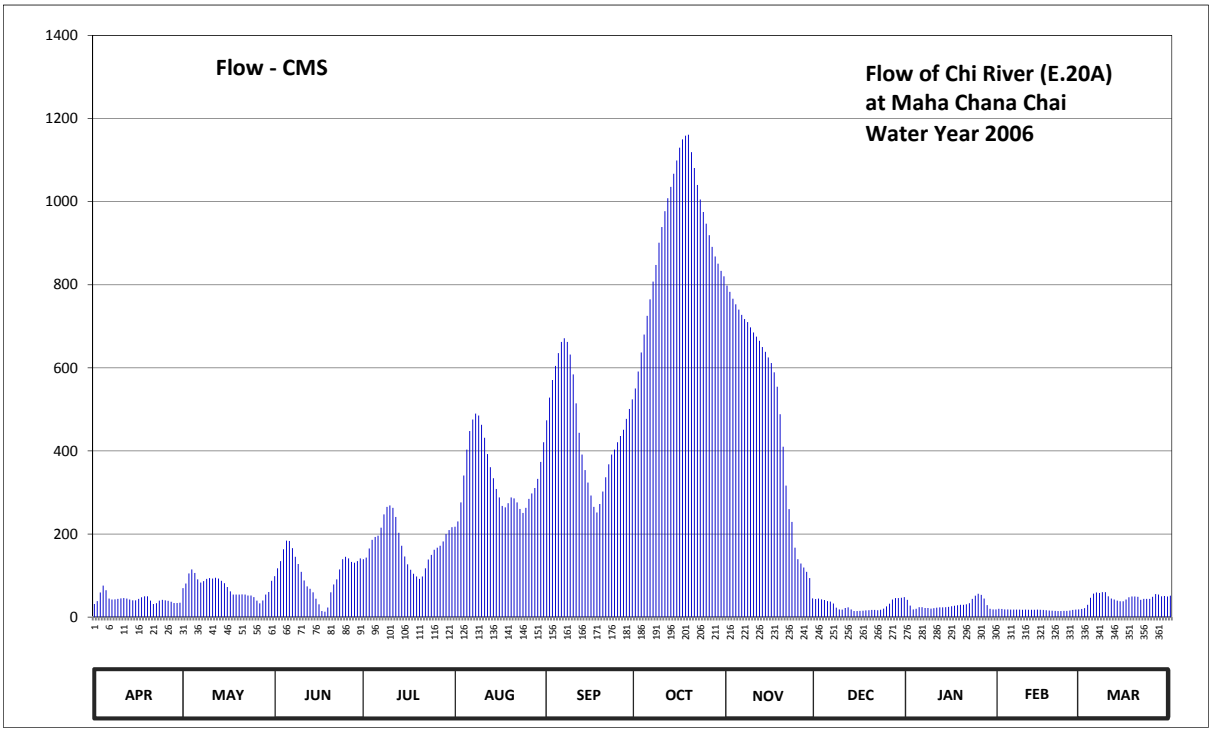
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 115.44 | 115.54 | 115.89 | 116.32 | 117.11 | 119.03 | 119.49 | 121.87 | 115.64 | 115.61 | 115.22 | 115.21 | |
| 2 | 115.56 | 115.69 | 116.09 | 116.36 | 117.22 | 119.36 | 119.73 | 121.82 | 115.66 | 115.37 | 115.21 | 115.25 | |
| 3 | 115.89 | 115.96 | 116.27 | 116.59 | 117.60 | 119.61 | 120.00 | 121.76 | 115.63 | 115.19 | 115.19 | 115.40 | |
| 4 | 116.14 | 116.06 | 116.57 | 116.81 | 118.12 | 119.81 | 120.24 | 121.71 | 115.60 | 115.22 | 115.18 | 115.69 | |
| 5 | 115.97 | 115.97 | 116.79 | 116.88 | 118.56 | 119.99 | 120.49 | 121.66 | 115.56 | 115.30 | 115.17 | 115.85 | |
| 6 | 115.66 | 115.81 | 116.78 | 116.91 | 118.86 | 120.14 | 120.71 | 121.61 | 115.54 | 115.30 | 115.17 | 115.89 | |
| 7 | 115.62 | 115.72 | 116.60 | 117.09 | 119.04 | 120.19 | 120.94 | 121.57 | 115.46 | 115.26 | 115.17 | 115.87 | |
| 8 | 115.63 | 115.76 | 116.38 | 117.36 | 119.13 | 120.14 | 121.15 | 121.54 | 115.27 | 115.26 | 115.17 | 115.90 | |
| 9 | 115.65 | 115.82 | 116.20 | 117.51 | 119.10 | 119.97 | 121.42 | 121.49 | 115.19 | 115.23 | 115.16 | 115.90 | |
| 10 | 115.67 | 115.84 | 116.00 | 117.54 | 118.96 | 119.69 | 121.60 | 121.44 | 115.17 | 115.25 | 115.17 | 115.75 | |
| 11 | 115.68 | 115.83 | 115.78 | 117.49 | 118.75 | 119.28 | 121.78 | 121.40 | 115.26 | 115.27 | 115.16 | 115.66 | |
| 12 | 115.66 | 115.85 | 115.60 | 117.31 | 118.49 | 118.83 | 121.93 | 121.36 | 115.29 | 115.29 | 115.16 | 115.62 | |
| 13 | 115.62 | 115.83 | 115.52 | 116.98 | 118.27 | 118.48 | 122.06 | 121.30 | 115.18 | 115.29 | 115.16 | 115.58 | |
| 14 | 115.59 | 115.77 | 115.41 | 116.66 | 118.07 | 118.22 | 122.21 | 121.25 | 115.07 | 115.30 | 115.17 | 115.55 | |
| 15 | 115.59 | 115.70 | 115.18 | 116.39 | 117.87 | 117.99 | 122.36 | 121.19 | 115.07 | 115.31 | 115.16 | 115.55 | |
| 16 | 115.65 | 115.58 | 114.94 | 116.19 | 117.70 | 117.74 | 122.50 | 121.13 | 115.08 | 115.34 | 115.15 | 115.62 | |
| 17 | 115.71 | 115.44 | 114.59 | 116.05 | 117.53 | 117.51 | 122.59 | 121.02 | 115.10 | 115.36 | 115.13 | 115.71 | |
| 18 | 115.75 | 115.33 | 114.54 | 115.95 | 117.50 | 117.40 | 122.63 | 120.82 | 115.12 | 115.38 | 115.11 | 115.74 | |
| 19 | 115.75 | 115.33 | 114.80 | 115.88 | 117.59 | 117.57 | 122.64 | 120.38 | 115.13 | 115.40 | 115.10 | 115.74 | |
| 20 | 115.58 | 115.33 | 115.41 | 115.82 | 117.70 | 117.82 | 122.62 | 119.70 | 115.15 | 115.40 | 115.08 | 115.73 | |
| 21 | 115.44 | 115.34 | 115.66 | 115.88 | 117.68 | 118.09 | 122.56 | 118.72 | 115.15 | 115.42 | 115.07 | 115.61 | |
| 22 | 115.47 | 115.33 | 115.81 | 116.09 | 117.60 | 118.32 | 122.49 | 117.84 | 115.13 | 115.47 | 115.07 | 115.65 | |
| 23 | 115.58 | 115.30 | 116.06 | 116.31 | 117.47 | 118.48 | 122.42 | 117.21 | 115.16 | 115.65 | 115.09 | 115.65 | |
| 24 | 115.61 | 115.30 | 116.32 | 116.43 | 117.39 | 118.56 | 122.35 | 116.61 | 115.23 | 115.77 | 115.09 | 115.65 | |
| 25 | 115.59 | 115.24 | 116.38 | 116.56 | 117.49 | 118.68 | 122.28 | 116.32 | 115.33 | 115.84 | 115.11 | 115.73 | |
| 26 | 115.57 | 115.10 | 116.34 | 116.61 | 117.67 | 118.78 | 122.21 | 116.21 | 115.45 | 115.80 | 115.15 | 115.83 | |
| 27 | 115.53 | 114.98 | 116.25 | 116.66 | 117.78 | 118.88 | 122.14 | 116.11 | 115.62 | 115.66 | 115.17 | 115.81 | |
| 28 | 115.48 | 115.11 | 116.23 | 116.77 | 117.89 | 119.05 | 122.08 | 116.00 | 115.68 | 115.39 | 115.18 | 115.75 | |
| 29 | 115.48 | 115.33 | 116.27 | 116.95 | 118.06 | 119.20 | 122.03 | 115.84 | 115.68 | 115.22 | | 115.76 | |
| 30 | 115.49 | 115.42 | 116.34 | 117.04 | 118.36 | 119.34 | 121.98 | 115.67 | 115.69 | 115.19 | | 115.74 | |
| 31 | | 115.77 | | 117.10 | 118.68 | | 121.94 | | 115.72 | 115.19 | | 115.77 | |
| Mean | 115.64 | 115.56 | 115.90 | 116.66 | 118.04 | 118.87 | 121.73 | 119.75 | 115.36 | 115.38 | 115.15 | 115.68 | |
| Max | 116.14 | 116.06 | 116.79 | 117.54 | 119.13 | 120.19 | 122.64 | 121.87 | 115.72 | 115.84 | 115.22 | 115.90 | 122.64 |
| Min | 115.44 | 114.98 | 114.54 | 115.82 | 117.11 | 117.40 | 119.49 | 115.67 | 115.07 | 115.19 | 115.07 | 115.21 | 114.54 |

Annual Max Momentary Gage Height 122.64 m. (MSL.) , at 12.00 Hours, on Oct 18, 2006

Zero Gage at Bottom Elevation 112.00 m. (MSL.) , River Bed 111.51 m. (MSL.)

Left Bank Elevation 127.12 m. (MSL.) ,

Right Bank Elevation 126.91 m. (MSL.) , Drainage Are 47,800 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31.70 | 69.50 | 98.60 | 139.40 | 217.60 | 473.80 | 550.30 | 798.00 | 43.40 | 41.60 | 20.00 | 19.50 | | |
| 2 | 38.60 | 80.80 | 117.60 | 143.20 | 230.40 | 528.20 | 591.10 | 783.00 | 44.60 | 27.80 | 19.50 | 21.50 | | |
| 3 | 59.30 | 105.20 | 134.60 | 165.10 | 276.00 | 570.70 | 637.00 | 766.20 | 42.80 | 18.60 | 18.60 | 29.50 | | |
| 4 | 75.80 | 114.70 | 163.10 | 186.00 | 340.60 | 604.70 | 680.20 | 752.70 | 41.00 | 20.00 | 18.30 | 46.40 | | |
| 5 | 64.60 | 106.20 | 184.10 | 193.00 | 403.00 | 635.30 | 725.20 | 740.00 | 38.60 | 24.00 | 18.00 | 56.70 | | |
| 6 | 44.60 | 91.00 | 183.10 | 196.00 | 448.00 | 662.20 | 764.80 | 727.50 | 37.40 | 24.00 | 18.00 | 59.30 | | |
| 7 | 42.20 | 83.20 | 166.00 | 215.40 | 475.40 | 671.20 | 807.60 | 717.50 | 32.80 | 22.00 | 18.00 | 58.00 | | |
| 8 | 42.80 | 86.60 | 145.10 | 247.20 | 489.80 | 662.20 | 847.50 | 710.00 | 22.50 | 22.00 | 18.00 | 60.00 | | |
| 9 | 44.00 | 91.90 | 128.00 | 265.20 | 485.00 | 631.90 | 901.20 | 697.50 | 18.60 | 20.50 | 17.60 | 60.00 | | |
| 10 | 45.20 | 93.80 | 109.00 | 268.80 | 463.00 | 584.30 | 939.00 | 685.00 | 18.00 | 21.50 | 18.00 | 50.20 | | |
| 11 | 45.80 | 92.90 | 88.30 | 262.80 | 431.50 | 514.60 | 976.80 | 675.00 | 22.00 | 22.50 | 17.60 | 44.60 | | |
| 12 | 44.60 | 94.80 | 74.00 | 241.20 | 392.50 | 443.50 | 1008.30 | 665.00 | 23.50 | 23.50 | 17.60 | 42.20 | | |
| 13 | 42.20 | 92.90 | 68.00 | 203.00 | 360.80 | 391.10 | 1035.60 | 650.00 | 18.30 | 23.50 | 17.60 | 39.80 | | |
| 14 | 40.40 | 87.50 | 59.70 | 171.70 | 334.10 | 353.80 | 1067.10 | 638.50 | 14.50 | 24.00 | 18.00 | 38.00 | | |
| 15 | 40.40 | 81.50 | 44.30 | 146.10 | 308.40 | 323.70 | 1099.20 | 624.80 | 14.50 | 24.50 | 17.60 | 38.00 | | |
| 16 | 44.00 | 72.50 | 30.70 | 127.10 | 288.00 | 292.80 | 1130.00 | 611.60 | 14.80 | 26.20 | 17.20 | 42.20 | | |
| 17 | 47.70 | 62.00 | 14.60 | 113.80 | 267.60 | 265.20 | 1149.80 | 589.00 | 15.50 | 27.30 | 16.50 | 47.70 | | |
| 18 | 50.20 | 54.10 | 12.90 | 104.30 | 264.00 | 252.00 | 1158.90 | 554.40 | 16.20 | 28.40 | 15.90 | 49.60 | | |
| 19 | 50.20 | 54.10 | 23.00 | 97.60 | 274.00 | 272.40 | 1161.20 | 488.40 | 16.50 | 29.50 | 15.50 | 49.60 | | |
| 20 | 39.80 | 54.10 | 59.70 | 91.90 | 288.00 | 302.40 | 1119.00 | 410.00 | 17.20 | 29.50 | 14.80 | 49.00 | | |
| 21 | 31.70 | 54.80 | 78.50 | 97.60 | 285.60 | 336.70 | 1081.00 | 316.40 | 17.20 | 30.60 | 14.50 | 41.60 | | |
| 22 | 33.30 | 54.10 | 91.00 | 117.60 | 276.00 | 367.90 | 1040.00 | 260.00 | 16.50 | 33.30 | 14.50 | 44.00 | | |
| 23 | 39.80 | 52.00 | 114.70 | 138.50 | 260.40 | 391.10 | 1005.00 | 229.20 | 17.60 | 44.00 | 15.10 | 44.00 | | |
| 24 | 41.60 | 52.00 | 139.40 | 149.90 | 250.80 | 403.00 | 975.00 | 167.00 | 20.50 | 51.50 | 15.10 | 44.00 | | |
| 25 | 40.40 | 48.10 | 145.10 | 162.20 | 262.80 | 421.00 | 947.00 | 139.40 | 25.60 | 56.10 | 15.90 | 49.00 | | |
| 26 | 39.20 | 39.50 | 141.30 | 167.00 | 284.40 | 436.00 | 919.00 | 129.00 | 32.20 | 53.50 | 17.20 | 55.50 | | |
| 27 | 36.80 | 32.90 | 132.80 | 171.70 | 297.60 | 451.00 | 891.00 | 119.50 | 42.20 | 44.60 | 18.00 | 54.20 | | |
| 28 | 33.90 | 40.10 | 130.90 | 182.10 | 310.80 | 477.00 | 868.00 | 109.00 | 45.80 | 29.00 | 18.30 | 50.20 | | |
| 29 | 33.90 | 54.10 | 134.60 | 200.00 | 332.80 | 501.00 | 850.50 | 93.80 | 45.80 | 20.00 | | 50.90 | | |
| 30 | 34.50 | 60.50 | 141.30 | 209.60 | 373.70 | 524.00 | 833.40 | 45.20 | 46.40 | 18.60 | | 49.60 | | |
| 31 | | 87.50 | | 216.50 | 421.00 | | 820.20 | | 48.30 | 18.60 | | 51.50 | | |
| Total | 1299.20 | 2244.90 | 3154.00 | 5391.50 | 10393.60 | 13744.70 | 28579.90 | 14892.60 | 870.80 | 900.70 | 480.90 | 1436.30 | 83389.10 | CMSDAY |
| Mean | 43.31 | 72.42 | 105.13 | 173.92 | 335.28 | 458.16 | 921.93 | 496.42 | 28.09 | 29.05 | 17.18 | 46.33 | 228.46 | CMS |
| Max | 75.80 | 114.70 | 184.10 | 268.80 | 489.80 | 671.20 | 1161.20 | 798.00 | 48.30 | 56.10 | 20.00 | 60.00 | 1161.20 | CMS |
| Min | 31.70 | 32.90 | 12.90 | 91.90 | 217.60 | 252.00 | 550.30 | 45.20 | 14.50 | 18.60 | 14.50 | 19.50 | 12.90 | CMS |
| Runoff | 112.25 | 193.96 | 272.51 | 465.83 | 898.01 | 1187.54 | 2469.30 | 1286.72 | 75.24 | 77.82 | 41.55 | 124.10 | 7204.82 | MCM |

Momentary Peak 1161.20 CMS, at 122.64 m. (MSL.), at 12.00 Hours, on Oct 18, 2006

Runoff Yield 4.78 Liters/Second/Square KM. Momentary Peak Yield 24.29 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Kaeng Ko , Chaiyaphum (E.21)

Lat 15 - 45 - 07 N Long 102 - 15 - 25 E

**Location : on left bank about 75 meters upstream from the bridge on highway.**

**Ban** Kaeng Ko **Amphoe** Mueang **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 8,777 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +164.980 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | In front of the automatic gage buiding. **Elevation** +177.385 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1955 - 1957 , 1967 to date |
| **Rating Operation** | |
| **Period of Rating** | 1968 - 1971 , 1973 - 1974 , 1982 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1968 - 1971 , 1973 - 1974 , 1982 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The rubber weir situated about 2 kilometers downstream from the gage site. Stage-discharge relation defined by 29 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

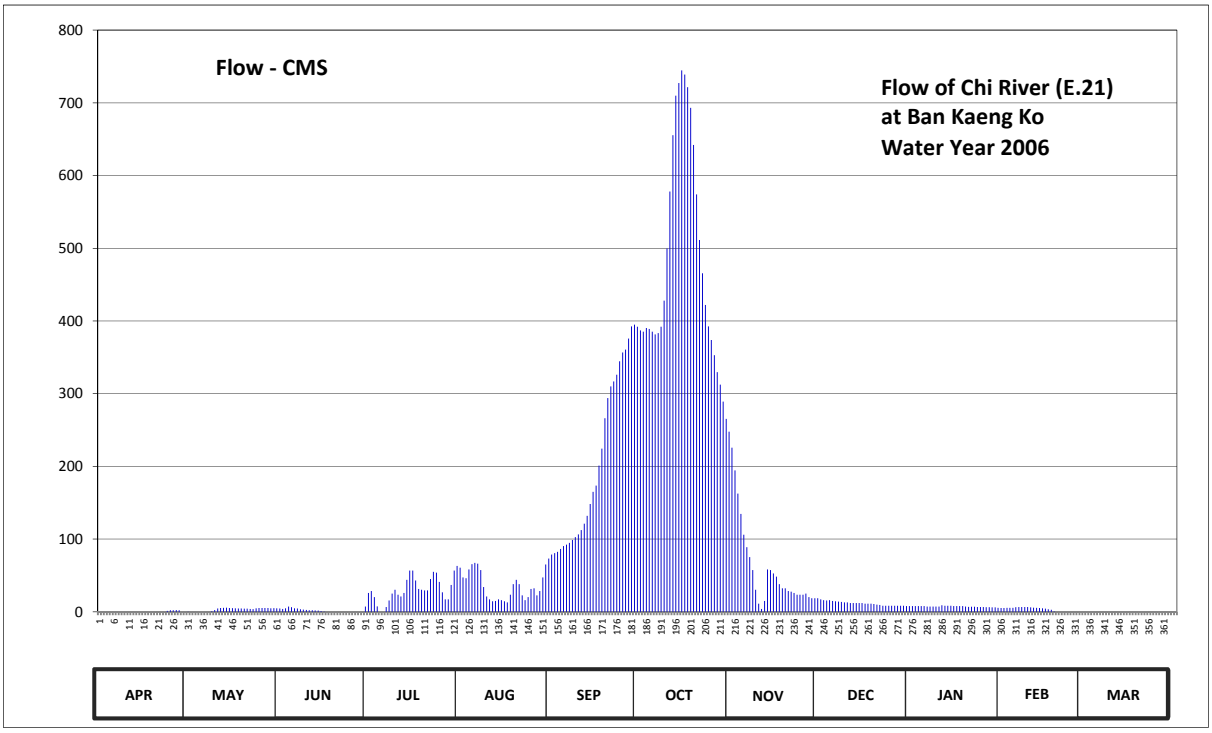
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 165.94 | 167.21 | 167.48 | 167.91 | 168.27 | 168.72 | 173.39 | 171.81 | 167.80 | 167.61 | 167.51 | 166.17 | |
| 2 | 165.96 | 167.09 | 167.46 | 167.94 | 168.13 | 168.77 | 173.38 | 171.29 | 167.78 | 167.61 | 167.52 | 166.14 | |
| 3 | 166.02 | 167.13 | 167.49 | 167.84 | 168.12 | 168.81 | 173.42 | 170.67 | 167.77 | 167.61 | 167.52 | 166.11 | |
| 4 | 166.10 | 167.20 | 167.59 | 167.60 | 168.24 | 168.91 | 173.40 | 170.07 | 167.78 | 167.61 | 167.52 | 166.08 | |
| 5 | 166.15 | 167.10 | 167.55 | 167.07 | 168.37 | 169.01 | 173.38 | 169.40 | 167.76 | 167.61 | 167.55 | 166.06 | |
| 6 | 166.18 | 167.20 | 167.49 | 166.94 | 168.42 | 169.06 | 173.36 | 168.97 | 167.75 | 167.59 | 167.56 | 166.01 | |
| 7 | 166.21 | 167.03 | 167.48 | 167.56 | 168.39 | 169.12 | 173.37 | 168.63 | 167.74 | 167.59 | 167.56 | 165.97 | |
| 8 | 166.25 | 167.08 | 167.44 | 167.77 | 168.23 | 169.22 | 173.45 | 168.23 | 167.73 | 167.59 | 167.56 | 165.95 | |
| 9 | 166.28 | 167.26 | 167.42 | 167.90 | 168.00 | 169.32 | 173.68 | 167.96 | 167.72 | 167.59 | 167.56 | 165.94 | |
| 10 | 166.31 | 167.39 | 167.40 | 167.96 | 167.85 | 169.41 | 173.98 | 167.68 | 167.72 | 167.59 | 167.54 | 165.91 | |
| 11 | 166.34 | 167.48 | 167.38 | 167.88 | 167.80 | 169.56 | 174.22 | 167.46 | 167.70 | 167.63 | 167.53 | 165.87 | |
| 12 | 166.38 | 167.51 | 167.38 | 167.85 | 167.75 | 169.77 | 174.41 | 167.76 | 167.70 | 167.62 | 167.52 | 165.82 | |
| 13 | 166.41 | 167.52 | 167.36 | 167.91 | 167.76 | 170.01 | 174.51 | 168.24 | 167.70 | 167.62 | 167.51 | 165.78 | |
| 14 | 166.46 | 167.53 | 167.33 | 168.10 | 167.80 | 170.37 | 174.54 | 168.23 | 167.70 | 167.62 | 167.49 | 165.76 | |
| 15 | 166.56 | 167.51 | 167.28 | 168.22 | 167.78 | 170.72 | 174.57 | 168.18 | 167.70 | 167.61 | 167.47 | 165.73 | |
| 16 | 166.65 | 167.50 | 167.23 | 168.22 | 167.75 | 170.89 | 174.56 | 168.14 | 167.68 | 167.61 | 167.44 | 165.71 | |
| 17 | 166.70 | 167.49 | 167.18 | 168.09 | 167.72 | 171.40 | 174.53 | 168.04 | 167.68 | 167.61 | 167.41 | 165.69 | |
| 18 | 166.74 | 167.48 | 167.15 | 167.97 | 167.88 | 171.79 | 174.48 | 167.98 | 167.68 | 167.61 | 167.25 | 165.65 | |
| 19 | 166.78 | 167.48 | 167.12 | 167.96 | 168.04 | 172.39 | 174.38 | 167.98 | 167.67 | 167.59 | 167.20 | 165.56 | |
| 20 | 166.81 | 167.47 | 167.10 | 167.95 | 168.10 | 172.70 | 174.21 | 167.94 | 167.65 | 167.57 | 167.16 | 165.49 | |
| 21 | 166.85 | 167.47 | 167.12 | 167.95 | 168.04 | 172.87 | 174.02 | 167.93 | 167.64 | 167.58 | 167.13 | 165.43 | |
| 22 | 166.94 | 167.46 | 167.19 | 168.11 | 167.87 | 172.95 | 173.85 | 167.91 | 167.62 | 167.58 | 166.73 | 165.42 | |
| 23 | 167.10 | 167.45 | 167.19 | 168.20 | 167.78 | 173.03 | 173.65 | 167.88 | 167.62 | 167.56 | 166.68 | 165.40 | |
| 24 | 167.31 | 167.49 | 167.07 | 168.19 | 167.84 | 173.15 | 173.46 | 167.88 | 167.62 | 167.56 | 166.58 | 165.40 | |
| 25 | 167.38 | 167.51 | 167.15 | 168.07 | 167.97 | 173.23 | 173.32 | 167.88 | 167.62 | 167.56 | 166.46 | 165.51 | |
| 26 | 167.38 | 167.51 | 166.93 | 167.92 | 167.98 | 173.25 | 173.21 | 167.90 | 167.62 | 167.55 | 166.37 | 165.52 | |
| 27 | 167.39 | 167.51 | 167.01 | 167.80 | 167.87 | 173.33 | 173.05 | 167.84 | 167.62 | 167.55 | 166.29 | 165.62 | |
| 28 | 167.38 | 167.51 | 167.13 | 167.80 | 167.94 | 173.46 | 172.90 | 167.82 | 167.62 | 167.54 | 166.20 | 165.63 | |
| 29 | 167.19 | 167.49 | 167.12 | 168.03 | 168.13 | 173.50 | 172.65 | 167.82 | 167.62 | 167.54 | | 165.65 | |
| 30 | 167.06 | 167.50 | 167.59 | 168.22 | 168.36 | 173.45 | 172.38 | 167.82 | 167.61 | 167.52 | | 165.69 | |
| 31 | | 167.49 | | 168.30 | 168.58 | | 172.14 | | 167.61 | 167.51 | | 165.71 | |
| Mean | 166.64 | 167.39 | 167.29 | 167.91 | 168.02 | 171.07 | 173.67 | 168.44 | 167.68 | 167.59 | 167.21 | 165.75 | |
| Max | 167.39 | 167.53 | 167.59 | 168.30 | 168.58 | 173.50 | 174.57 | 171.81 | 167.80 | 167.63 | 167.56 | 166.17 | 174.57 |
| Min | 165.94 | 167.03 | 166.93 | 166.94 | 167.72 | 168.72 | 172.14 | 167.46 | 167.61 | 167.51 | 166.20 | 165.40 | 165.40 |

Annual Max Momentary Gage Height 174.57 m. (MSL.) , at 07.00 Hours, on Oct 15, 2006

Zero Gage at Bottom Elevation 164.98 m. (MSL.) , River Bed 163.24 m. (MSL.)

Left Bank Elevation 177.25 m. (MSL.) ,

Right Bank Elevation 177.25 m. (MSL.) , Drainage Are 8,777 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.12 | 4.50 | 25.90 | 60.60 | 78.80 | 387.10 | 225.60 | 17.00 | 7.95 | 5.25 | 0.00 | | |
| 2 | 0.00 | 0.00 | 4.00 | 28.60 | 47.30 | 80.80 | 385.20 | 194.45 | 16.00 | 7.95 | 5.50 | 0.00 | | |
| 3 | 0.00 | 0.00 | 4.75 | 20.20 | 46.20 | 82.40 | 390.20 | 162.50 | 15.50 | 7.95 | 5.50 | 0.00 | | |
| 4 | 0.00 | 0.00 | 7.25 | 7.50 | 58.20 | 86.40 | 389.00 | 134.65 | 16.00 | 7.95 | 5.50 | 0.00 | | |
| 5 | 0.00 | 0.00 | 6.25 | 0.00 | 65.45 | 90.40 | 385.20 | 106.00 | 15.00 | 7.95 | 6.25 | 0.00 | | |
| 6 | 0.00 | 0.00 | 4.75 | 0.00 | 67.20 | 92.40 | 381.40 | 88.80 | 14.50 | 7.25 | 6.50 | 0.00 | | |
| 7 | 0.00 | 0.00 | 4.50 | 6.50 | 66.15 | 94.80 | 383.30 | 75.20 | 14.00 | 7.25 | 6.50 | 0.00 | | |
| 8 | 0.00 | 0.00 | 3.50 | 15.50 | 57.40 | 98.80 | 392.00 | 57.40 | 13.50 | 7.25 | 6.50 | 0.00 | | |
| 9 | 0.00 | 0.72 | 3.00 | 25.00 | 34.00 | 102.80 | 428.00 | 30.40 | 13.00 | 7.25 | 6.50 | 0.00 | | |
| 10 | 0.00 | 2.37 | 2.50 | 30.40 | 21.00 | 106.40 | 499.60 | 11.10 | 13.00 | 7.25 | 6.00 | 0.00 | | |
| 11 | 0.00 | 4.50 | 2.24 | 23.40 | 17.00 | 112.40 | 578.00 | 4.00 | 12.00 | 8.85 | 5.75 | 0.00 | | |
| 12 | 0.00 | 5.25 | 2.24 | 21.00 | 14.50 | 121.15 | 655.40 | 15.00 | 12.00 | 8.40 | 5.50 | 0.00 | | |
| 13 | 0.00 | 5.50 | 1.98 | 25.90 | 15.00 | 131.95 | 709.80 | 58.20 | 12.00 | 8.40 | 5.25 | 0.00 | | |
| 14 | 0.00 | 5.75 | 1.59 | 44.00 | 17.00 | 148.15 | 727.20 | 57.40 | 12.00 | 8.40 | 4.75 | 0.00 | | |
| 15 | 0.00 | 5.25 | 0.96 | 56.60 | 16.00 | 165.00 | 744.60 | 52.80 | 12.00 | 7.95 | 4.25 | 0.00 | | |
| 16 | 0.00 | 5.00 | 0.36 | 56.60 | 14.50 | 173.50 | 738.80 | 48.40 | 11.10 | 7.95 | 3.50 | 0.00 | | |
| 17 | 0.00 | 4.75 | 0.00 | 43.00 | 13.00 | 201.00 | 721.40 | 38.00 | 11.10 | 7.95 | 2.75 | 0.00 | | |
| 18 | 0.00 | 4.50 | 0.00 | 31.30 | 23.40 | 224.40 | 693.20 | 32.20 | 11.10 | 7.95 | 0.60 | 0.00 | | |
| 19 | 0.00 | 4.50 | 0.00 | 30.40 | 38.00 | 266.20 | 642.00 | 32.20 | 10.65 | 7.25 | 0.00 | 0.00 | | |
| 20 | 0.00 | 4.25 | 0.00 | 29.50 | 44.00 | 294.00 | 574.00 | 28.60 | 9.75 | 6.75 | 0.00 | 0.00 | | |
| 21 | 0.00 | 4.25 | 0.00 | 29.50 | 38.00 | 309.95 | 511.40 | 27.70 | 9.30 | 7.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 4.00 | 0.00 | 45.10 | 22.60 | 316.75 | 465.50 | 25.90 | 8.40 | 7.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 3.75 | 0.00 | 55.00 | 16.00 | 326.10 | 422.00 | 23.40 | 8.40 | 6.50 | 0.00 | 0.00 | | |
| 24 | 1.33 | 4.75 | 0.00 | 53.90 | 20.20 | 344.50 | 392.60 | 23.40 | 8.40 | 6.50 | 0.00 | 0.00 | | |
| 25 | 2.24 | 5.25 | 0.00 | 41.00 | 31.30 | 356.70 | 373.80 | 23.40 | 8.40 | 6.50 | 0.00 | 0.00 | | |
| 26 | 2.24 | 5.25 | 0.00 | 26.80 | 32.20 | 360.50 | 352.90 | 25.00 | 8.40 | 6.25 | 0.00 | 0.00 | | |
| 27 | 2.37 | 5.25 | 0.00 | 17.00 | 22.60 | 375.70 | 329.50 | 20.20 | 8.40 | 6.25 | 0.00 | 0.00 | | |
| 28 | 2.24 | 5.25 | 0.00 | 17.00 | 28.60 | 392.60 | 312.50 | 18.60 | 8.40 | 6.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 4.75 | 0.00 | 37.00 | 47.30 | 395.00 | 289.00 | 18.60 | 8.40 | 6.00 | | 0.00 | | |
| 30 | 0.00 | 5.00 | 7.25 | 56.60 | 65.10 | 392.00 | 265.40 | 18.60 | 7.95 | 5.50 | | 0.00 | | |
| 31 | | 4.75 | | 63.00 | 73.20 | | 247.80 | | 7.95 | 5.25 | | 0.00 | | |
| Total | 10.42 | 104.71 | 61.62 | 963.20 | 1133.00 | 6321.55 | 14767.80 | 1677.70 | 353.60 | 224.60 | 92.35 | 0.00 | 25710.55 | CMSDAY |
| Mean | 0.35 | 3.38 | 2.05 | 31.07 | 36.55 | 210.72 | 476.38 | 55.92 | 11.41 | 7.25 | 3.30 | 0.00 | 70.44 | CMS |
| Max | 2.37 | 5.75 | 7.25 | 63.00 | 73.20 | 395.00 | 744.60 | 225.60 | 17.00 | 8.85 | 6.50 | 0.00 | 744.60 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 | 78.80 | 247.80 | 4.00 | 7.95 | 5.25 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.90 | 9.05 | 5.32 | 83.22 | 97.89 | 546.18 | 1275.94 | 144.95 | 30.55 | 19.41 | 7.98 | 0.00 | 2221.39 | MCM |

Momentary Peak 744.60 CMS, at 174.57 m. (MSL.), at 07.00 Hours, on Oct 15, 2006

Runoff Yield 8.03 Liters/Second/Square KM. Momentary Peak Yield 84.84 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Nam Phong at Ban Tha Mao , Khon Kaen (E.22B)

Lat 16 - 39 - 13 N Long 102 - 49 - 39 E

**Location : on right bank at Ban Tha Mao.**

**Ban** Tha Mao **Amphoe** Nam Phong **Changwat** Khon Kaen

| | |
|---|---|
| **Drainge Area** | 13,638 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +150.920 m. (MSL.) |
| **Bench Mark** | B.M.- Highways Dept. |
| **Location BM** | On left bank at the footpath of the bridge. **Elevation** +163.911 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1965 to date |
| **Rating Operation** | |
| **Period of Rating** | 1966 - 1972 , 1982 - 1987 , 1992 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1966 - 1972 , 1982 - 1987 , 1992 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Ubonrat Dam about 35 kilometers above gage site and Nong Wai weir situated about 5 kilometers above gage site. Stage-discharge relation defined by 30 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

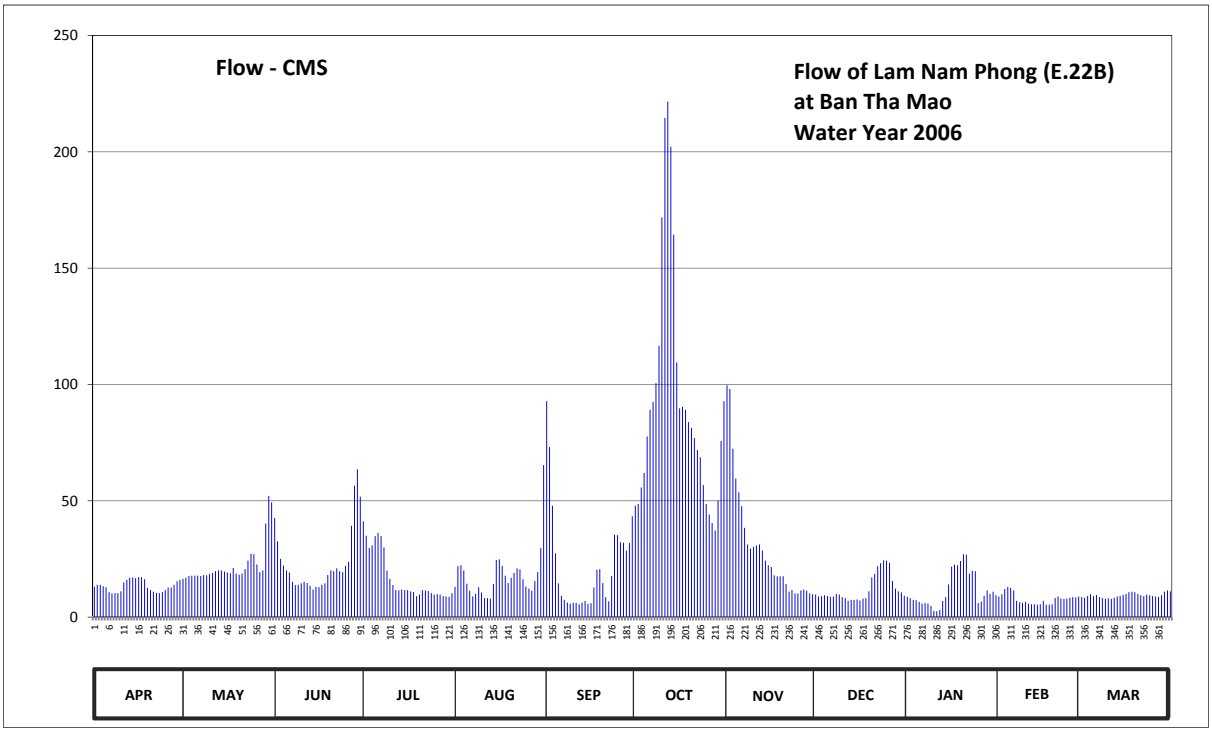
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152.00 | 152.23 | 153.65 | 153.59 | 152.00 | 155.51 | 153.87 | 155.73 | 151.78 | 151.71 | 151.72 | 151.70 | |
| 2 | 152.06 | 152.26 | 153.18 | 153.30 | 152.59 | 154.85 | 153.90 | 155.68 | 151.72 | 151.66 | 151.79 | 151.68 | |
| 3 | 152.06 | 152.31 | 152.80 | 153.04 | 152.62 | 153.87 | 154.18 | 154.82 | 151.73 | 151.61 | 151.94 | 151.74 | |
| 4 | 152.02 | 152.32 | 152.61 | 153.09 | 152.47 | 152.92 | 154.42 | 154.33 | 151.76 | 151.60 | 152.00 | 151.79 | |
| 5 | 151.99 | 152.32 | 152.47 | 153.29 | 152.09 | 152.10 | 155.02 | 154.10 | 151.73 | 151.54 | 151.97 | 151.73 | |
| 6 | 151.85 | 152.32 | 152.41 | 153.36 | 151.89 | 151.74 | 155.39 | 153.86 | 151.71 | 151.48 | 151.90 | 151.77 | |
| 7 | 151.81 | 152.31 | 152.14 | 153.29 | 151.72 | 151.61 | 155.50 | 153.47 | 151.72 | 151.50 | 151.58 | 151.70 | |
| 8 | 151.82 | 152.34 | 152.05 | 153.05 | 151.80 | 151.52 | 155.76 | 153.11 | 151.80 | 151.49 | 151.53 | 151.67 | |
| 9 | 151.82 | 152.33 | 152.06 | 152.47 | 151.99 | 151.48 | 156.24 | 153.02 | 151.78 | 151.41 | 151.51 | 151.65 | |
| 10 | 151.87 | 152.37 | 152.10 | 152.23 | 151.84 | 151.51 | 157.75 | 153.06 | 151.70 | 151.23 | 151.54 | 151.66 | |
| 11 | 152.13 | 152.40 | 152.14 | 152.05 | 151.67 | 151.51 | 158.83 | 153.09 | 151.67 | 151.22 | 151.48 | 151.64 | |
| 12 | 152.20 | 152.45 | 152.11 | 151.91 | 151.66 | 151.46 | 158.99 | 153.11 | 151.58 | 151.26 | 151.46 | 151.68 | |
| 13 | 152.26 | 152.47 | 152.03 | 151.90 | 151.65 | 151.52 | 158.55 | 152.98 | 151.61 | 151.57 | 151.46 | 151.72 | |
| 14 | 152.27 | 152.47 | 151.92 | 151.92 | 152.08 | 151.57 | 157.55 | 152.75 | 151.61 | 151.70 | 151.45 | 151.74 | |
| 15 | 152.25 | 152.44 | 152.00 | 151.91 | 152.77 | 151.47 | 156.04 | 152.62 | 151.62 | 152.07 | 151.46 | 151.77 | |
| 16 | 152.28 | 152.41 | 151.99 | 151.91 | 152.79 | 151.50 | 155.41 | 152.57 | 151.59 | 152.58 | 151.58 | 151.80 | |
| 17 | 152.28 | 152.39 | 152.06 | 151.87 | 152.60 | 151.98 | 155.43 | 152.33 | 151.65 | 152.64 | 151.45 | 151.85 | |
| 18 | 152.22 | 152.54 | 152.10 | 151.85 | 152.32 | 152.49 | 155.39 | 152.30 | 151.67 | 152.62 | 151.45 | 151.86 | |
| 19 | 151.97 | 152.38 | 152.34 | 151.73 | 152.11 | 152.51 | 155.22 | 152.30 | 151.87 | 152.74 | 151.46 | 151.85 | |
| 20 | 151.91 | 152.35 | 152.47 | 151.78 | 152.26 | 152.11 | 155.14 | 152.30 | 152.27 | 152.90 | 151.67 | 151.80 | |
| 21 | 151.86 | 152.38 | 152.45 | 151.91 | 152.40 | 151.70 | 155.00 | 152.08 | 152.37 | 152.89 | 151.72 | 151.76 | |
| 22 | 151.83 | 152.51 | 152.53 | 151.90 | 152.53 | 151.56 | 154.80 | 151.86 | 152.59 | 152.38 | 151.65 | 151.73 | |
| 23 | 151.82 | 152.75 | 152.45 | 151.88 | 152.50 | 152.31 | 154.68 | 151.91 | 152.68 | 152.46 | 151.64 | 151.78 | |
| 24 | 151.85 | 152.91 | 152.42 | 151.82 | 152.22 | 153.32 | 154.22 | 151.81 | 152.76 | 152.45 | 151.65 | 151.76 | |
| 25 | 151.91 | 152.90 | 152.60 | 151.78 | 152.01 | 153.31 | 153.90 | 151.81 | 152.75 | 151.51 | 151.68 | 151.73 | |
| 26 | 151.98 | 152.64 | 152.72 | 151.79 | 151.95 | 153.16 | 153.71 | 151.90 | 152.69 | 151.55 | 151.70 | 151.72 | |
| 27 | 151.98 | 152.42 | 153.51 | 151.78 | 151.89 | 153.15 | 153.56 | 151.92 | 152.17 | 151.74 | 151.69 | 151.71 | |
| 28 | 152.06 | 152.47 | 154.21 | 151.73 | 152.17 | 152.98 | 153.41 | 151.89 | 151.95 | 151.90 | 151.72 | 151.76 | |
| 29 | 152.16 | 153.55 | 154.48 | 151.72 | 152.42 | 153.14 | 153.96 | 151.81 | 151.87 | 151.80 | | 151.86 | |
| 30 | 152.20 | 154.04 | 154.03 | 151.71 | 153.03 | 153.68 | 154.95 | 151.79 | 151.84 | 151.86 | | 151.90 | |
| 31 | | 153.93 | | 151.82 | 154.55 | | 155.51 | | 151.74 | 151.76 | | 151.87 | |
| Mean | 152.02 | 152.58 | 152.60 | 152.24 | 152.28 | 152.45 | 155.36 | 152.88 | 151.93 | 151.90 | 151.64 | 151.75 | |
| Max | 152.28 | 154.04 | 154.48 | 153.59 | 154.55 | 155.51 | 158.99 | 155.73 | 152.76 | 152.90 | 152.00 | 151.90 | 158.99 |
| Min | 151.81 | 152.23 | 151.92 | 151.71 | 151.65 | 151.46 | 153.41 | 151.79 | 151.58 | 151.22 | 151.45 | 151.64 | 151.22 |

Annual Max Momentary Gage Height 159.02 m. (MSL.) , at 17.00 Hours, on Oct 12, 2006

Zero Gage at Bottom Elevation 150.92 m. (MSL.) , River Bed 150.48 m. (MSL.)

Left Bank Elevation 163.63 m. (MSL.) ,

Right Bank Elevation 163.59 m. (MSL.) , Drainage Are 13,638 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.00 | 16.45 | 42.60 | 41.16 | 13.00 | 92.81 | 47.88 | 99.63 | 9.72 | 8.74 | 8.88 | 8.60 | | |
| 2 | 13.90 | 16.90 | 32.60 | 35.00 | 21.85 | 73.10 | 48.60 | 98.08 | 8.88 | 8.08 | 9.86 | 8.34 | | |
| 3 | 13.90 | 17.65 | 25.00 | 29.80 | 22.30 | 47.88 | 55.68 | 72.32 | 9.02 | 7.43 | 12.10 | 9.16 | | |
| 4 | 13.30 | 17.80 | 22.15 | 30.80 | 20.05 | 27.40 | 61.92 | 59.58 | 9.44 | 7.30 | 13.00 | 9.86 | | |
| 5 | 12.85 | 17.80 | 20.05 | 34.80 | 14.35 | 14.50 | 77.62 | 53.60 | 9.02 | 6.52 | 12.55 | 9.02 | | |
| 6 | 10.75 | 17.80 | 19.15 | 36.20 | 11.35 | 9.16 | 89.09 | 47.64 | 8.74 | 5.74 | 11.50 | 9.58 | | |
| 7 | 10.15 | 17.65 | 15.10 | 34.80 | 8.88 | 7.43 | 92.50 | 38.40 | 8.88 | 6.00 | 7.04 | 8.60 | | |
| 8 | 10.30 | 18.10 | 13.75 | 30.00 | 10.00 | 6.26 | 100.56 | 31.20 | 10.00 | 5.87 | 6.39 | 8.21 | | |
| 9 | 10.30 | 17.95 | 13.90 | 20.05 | 12.85 | 5.74 | 116.64 | 29.40 | 9.72 | 4.83 | 6.13 | 7.95 | | |
| 10 | 11.05 | 18.55 | 14.50 | 16.45 | 10.60 | 6.13 | 171.75 | 30.20 | 8.60 | 2.66 | 6.52 | 8.08 | | |
| 11 | 14.95 | 19.00 | 15.10 | 13.75 | 8.21 | 6.13 | 214.52 | 30.80 | 8.21 | 2.54 | 5.74 | 7.82 | | |
| 12 | 16.00 | 19.75 | 14.65 | 11.65 | 8.08 | 5.48 | 221.56 | 31.20 | 7.04 | 3.02 | 5.48 | 8.34 | | |
| 13 | 16.90 | 20.05 | 13.45 | 11.50 | 7.95 | 6.26 | 202.20 | 28.60 | 7.43 | 6.91 | 5.48 | 8.88 | | |
| 14 | 17.05 | 20.05 | 11.80 | 11.80 | 14.20 | 6.91 | 164.35 | 24.25 | 7.43 | 8.60 | 5.35 | 9.16 | | |
| 15 | 16.75 | 19.60 | 13.00 | 11.65 | 24.55 | 5.61 | 109.44 | 22.30 | 7.56 | 14.05 | 5.48 | 9.58 | | |
| 16 | 17.20 | 19.15 | 12.85 | 11.65 | 24.85 | 6.00 | 89.71 | 21.55 | 7.17 | 21.70 | 7.04 | 10.00 | | |
| 17 | 17.20 | 18.85 | 13.90 | 11.05 | 22.00 | 12.70 | 90.33 | 17.95 | 7.95 | 22.60 | 5.35 | 10.75 | | |
| 18 | 16.30 | 21.10 | 14.50 | 10.75 | 17.80 | 20.35 | 89.09 | 17.50 | 8.21 | 22.30 | 5.35 | 10.90 | | |
| 19 | 12.55 | 18.70 | 18.10 | 9.02 | 14.65 | 20.65 | 83.82 | 17.50 | 11.05 | 24.10 | 5.48 | 10.75 | | |
| 20 | 11.65 | 18.25 | 20.05 | 9.72 | 16.90 | 14.65 | 81.34 | 17.50 | 17.05 | 27.00 | 8.21 | 10.00 | | |
| 21 | 10.90 | 18.70 | 19.75 | 11.65 | 19.00 | 8.60 | 77.00 | 14.20 | 18.55 | 26.80 | 8.88 | 9.44 | | |
| 22 | 10.45 | 20.65 | 20.95 | 11.50 | 20.95 | 6.78 | 71.80 | 10.90 | 21.85 | 18.70 | 7.95 | 9.02 | | |
| 23 | 10.30 | 24.25 | 19.75 | 11.20 | 20.50 | 17.65 | 68.68 | 11.65 | 23.20 | 19.90 | 7.82 | 9.72 | | |
| 24 | 10.75 | 27.20 | 19.30 | 10.30 | 16.30 | 35.40 | 56.72 | 10.15 | 24.40 | 19.75 | 7.95 | 9.44 | | |
| 25 | 11.65 | 27.00 | 22.00 | 9.72 | 13.15 | 35.20 | 48.60 | 10.15 | 24.25 | 6.13 | 8.34 | 9.02 | | |
| 26 | 12.70 | 22.60 | 23.80 | 9.86 | 12.25 | 32.20 | 44.04 | 11.50 | 23.35 | 6.65 | 8.60 | 8.88 | | |
| 27 | 12.70 | 19.30 | 39.24 | 9.72 | 11.35 | 32.00 | 40.44 | 11.80 | 15.55 | 9.16 | 8.47 | 8.74 | | |
| 28 | 13.90 | 20.05 | 56.46 | 9.02 | 15.55 | 28.60 | 37.20 | 11.35 | 12.25 | 11.50 | 8.88 | 9.44 | | |
| 29 | 15.40 | 40.20 | 63.48 | 8.88 | 19.30 | 31.80 | 50.04 | 10.15 | 11.05 | 10.00 | | 10.90 | | |
| 30 | 16.00 | 52.04 | 51.78 | 8.74 | 29.60 | 43.32 | 75.70 | 9.86 | 10.60 | 10.90 | | 11.50 | | |
| 31 | | 49.32 | | 10.30 | 65.30 | | 92.81 | | 9.16 | 9.44 | | 11.05 | | |
| Total | 400.80 | 692.46 | 702.71 | 532.49 | 547.67 | 666.70 | 2871.63 | 900.91 | 375.33 | 364.92 | 219.82 | 290.73 | 8566.17 | CMSDAY |
| Mean | 13.36 | 22.34 | 23.42 | 17.18 | 17.67 | 22.22 | 92.63 | 30.03 | 12.11 | 11.77 | 7.85 | 9.38 | 23.47 | CMS |
| Max | 17.20 | 52.04 | 63.48 | 41.16 | 65.30 | 92.81 | 221.56 | 99.63 | 24.40 | 27.00 | 13.00 | 11.50 | 221.56 | CMS |
| Min | 10.15 | 16.45 | 11.80 | 8.74 | 7.95 | 5.48 | 37.20 | 9.86 | 7.04 | 2.54 | 5.35 | 7.82 | 2.54 | CMS |
| Runoff | 34.63 | 59.83 | 60.71 | 46.01 | 47.32 | 57.60 | 248.11 | 77.84 | 32.43 | 31.53 | 18.99 | 25.12 | 740.12 | MCM |

Momentary Peak 223.00 CMS, at 159.02 m. (MSL.), at 17.00 Hours, on Oct 12, 2006

Runoff Yield 1.72 Liters/Second/Square KM. Momentary Peak Yield 16.35 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Khai , Chaiyaphum (E.23)

Lat 15 - 40 - 49 N Long 102 - 00 - 46 E

**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Khai | **Amphoe** Mueang | **Changwat** Chaiyaphum |
| **Drainge Area** | 6,282 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +174.000 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On left bank about 20 meters from the automatic gage building. | **Elevation** +185.546 m. (MSL.) | |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1954 - 1956 , 1967 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1968 - 1974 , 1982 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1968 - 1974 , 1982 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. The local weir situated about 50 meters downstream from the gage site. Stage-discharge relation defined by 33 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

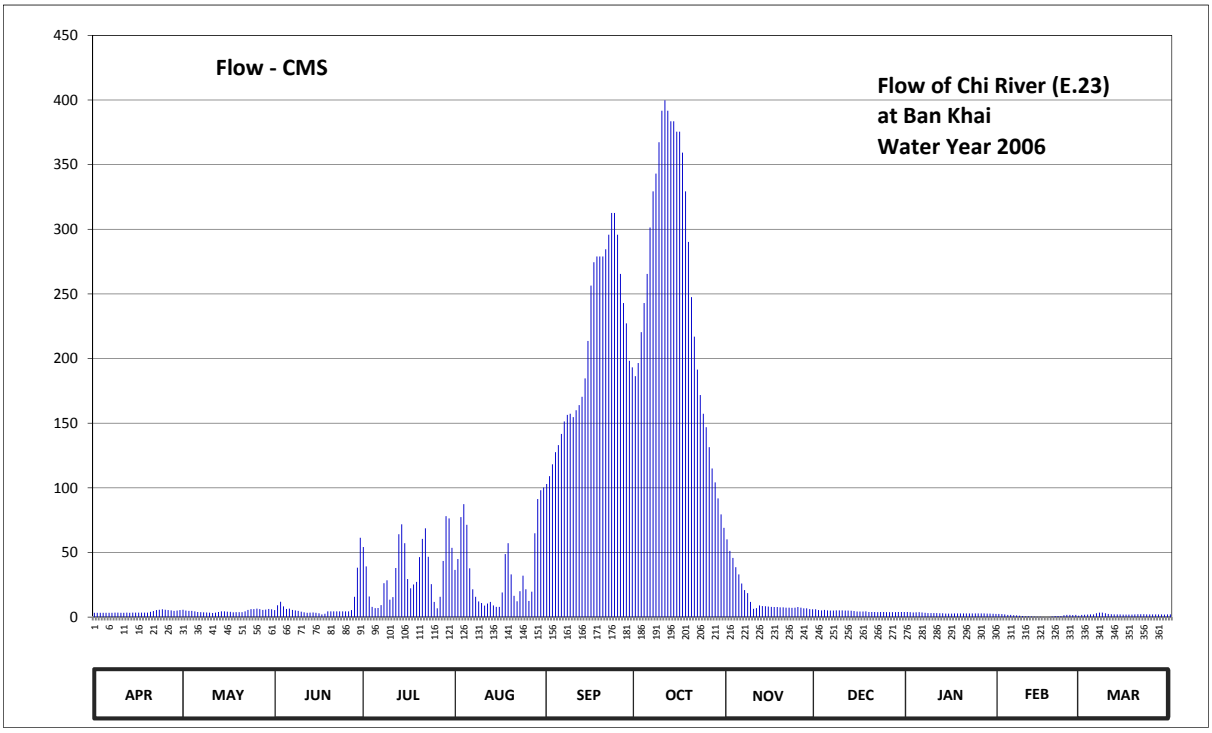
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 177.38 | 177.58 | 177.56 | 179.64 | 179.05 | 181.00 | 182.32 | 179.84 | 177.60 | 177.44 | 177.28 | 177.20 | |
| 2 | 177.38 | 177.54 | 177.81 | 179.14 | 179.33 | 181.15 | 182.38 | 179.54 | 177.56 | 177.43 | 177.27 | 177.21 | |
| 3 | 177.38 | 177.52 | 177.97 | 178.17 | 180.34 | 181.37 | 182.46 | 179.36 | 177.55 | 177.41 | 177.24 | 177.23 | |
| 4 | 177.38 | 177.52 | 177.75 | 177.73 | 180.61 | 181.58 | 182.52 | 179.12 | 177.57 | 177.42 | 177.20 | 177.24 | |
| 5 | 177.38 | 177.50 | 177.62 | 177.66 | 180.17 | 181.69 | 182.57 | 178.92 | 177.55 | 177.43 | 177.20 | 177.25 | |
| 6 | 177.38 | 177.44 | 177.64 | 177.67 | 179.09 | 181.85 | 182.64 | 178.64 | 177.54 | 177.41 | 177.17 | 177.34 | |
| 7 | 177.38 | 177.43 | 177.57 | 177.82 | 178.45 | 182.01 | 182.69 | 178.42 | 177.54 | 177.38 | 177.15 | 177.40 | |
| 8 | 177.39 | 177.42 | 177.55 | 178.65 | 178.16 | 182.07 | 182.71 | 178.30 | 177.55 | 177.36 | 177.12 | 177.39 | |
| 9 | 177.39 | 177.41 | 177.52 | 178.74 | 177.98 | 182.08 | 182.74 | 177.96 | 177.55 | 177.36 | 177.08 | 177.34 | |
| 10 | 177.38 | 177.40 | 177.47 | 178.05 | 177.92 | 182.05 | 182.77 | 177.63 | 177.55 | 177.35 | 177.03 | 177.29 | |
| 11 | 177.38 | 177.37 | 177.42 | 178.15 | 177.79 | 182.11 | 182.78 | 177.66 | 177.54 | 177.35 | 177.02 | 177.26 | |
| 12 | 177.39 | 177.39 | 177.38 | 179.10 | 177.90 | 182.15 | 182.77 | 177.80 | 177.54 | 177.34 | 176.98 | 177.24 | |
| 13 | 177.38 | 177.45 | 177.40 | 179.96 | 177.96 | 182.21 | 182.76 | 177.77 | 177.53 | 177.34 | 176.93 | 177.24 | |
| 14 | 177.39 | 177.50 | 177.41 | 180.18 | 177.80 | 182.31 | 182.76 | 177.76 | 177.51 | 177.31 | 176.87 | 177.24 | |
| 15 | 177.39 | 177.49 | 177.38 | 179.74 | 177.73 | 182.44 | 182.75 | 177.74 | 177.48 | 177.31 | 176.79 | 177.23 | |
| 16 | 177.39 | 177.47 | 177.34 | 178.78 | 177.73 | 182.55 | 182.75 | 177.73 | 177.48 | 177.31 | 176.69 | 177.23 | |
| 17 | 177.39 | 177.46 | 177.24 | 178.49 | 178.33 | 182.59 | 182.73 | 177.72 | 177.48 | 177.33 | 176.59 | 177.23 | |
| 18 | 177.39 | 177.42 | 177.30 | 178.61 | 179.46 | 182.60 | 182.69 | 177.72 | 177.49 | 177.33 | 176.66 | 177.23 | |
| 19 | 177.40 | 177.43 | 177.49 | 178.69 | 179.74 | 182.60 | 182.62 | 177.70 | 177.45 | 177.33 | 176.97 | 177.24 | |
| 20 | 177.46 | 177.43 | 177.49 | 179.38 | 178.92 | 182.60 | 182.53 | 177.70 | 177.44 | 177.33 | 177.07 | 177.26 | |
| 21 | 177.51 | 177.43 | 177.49 | 179.85 | 178.20 | 182.61 | 182.45 | 177.69 | 177.44 | 177.32 | 177.07 | 177.26 | |
| 22 | 177.56 | 177.49 | 177.49 | 180.09 | 177.99 | 182.63 | 182.35 | 177.69 | 177.43 | 177.32 | 177.05 | 177.26 | |
| 23 | 177.58 | 177.57 | 177.49 | 179.39 | 178.38 | 182.66 | 182.22 | 177.68 | 177.44 | 177.32 | 177.17 | 177.25 | |
| 24 | 177.60 | 177.61 | 177.50 | 178.62 | 178.88 | 182.66 | 182.08 | 177.69 | 177.44 | 177.32 | 177.20 | 177.25 | |
| 25 | 177.58 | 177.61 | 177.50 | 177.96 | 178.45 | 182.63 | 181.94 | 177.72 | 177.43 | 177.33 | 177.20 | 177.25 | |
| 26 | 177.56 | 177.64 | 177.50 | 177.65 | 178.00 | 182.57 | 181.66 | 177.69 | 177.43 | 177.33 | 177.18 | 177.24 | |
| 27 | 177.55 | 177.61 | 177.56 | 178.16 | 178.36 | 182.52 | 181.30 | 177.65 | 177.43 | 177.32 | 177.20 | 177.24 | |
| 28 | 177.52 | 177.57 | 178.16 | 179.28 | 179.98 | 182.48 | 181.03 | 177.65 | 177.43 | 177.31 | 177.11 | 177.24 | |
| 29 | 177.54 | 177.59 | 179.11 | 180.36 | 180.71 | 182.39 | 180.72 | 177.61 | 177.44 | 177.31 | | 177.23 | |
| 30 | 177.56 | 177.62 | 179.88 | 180.31 | 180.88 | 182.36 | 180.40 | 177.60 | 177.45 | 177.30 | | 177.24 | |
| 31 | | 177.60 | | 179.62 | 180.93 | | 180.10 | | 177.45 | 177.29 | | 177.24 | |
| Mean | 177.44 | 177.50 | 177.67 | 178.89 | 178.88 | 182.22 | 182.23 | 178.06 | 177.49 | 177.35 | 177.05 | 177.26 | |
| Max | 177.60 | 177.64 | 179.88 | 180.36 | 180.93 | 182.66 | 182.78 | 179.84 | 177.60 | 177.44 | 177.28 | 177.40 | 182.78 |
| Min | 177.38 | 177.37 | 177.24 | 177.65 | 177.73 | 181.00 | 180.10 | 177.60 | 177.43 | 177.29 | 176.59 | 177.20 | 176.59 |

Annual Max Momentary Gage Height 182.78 m. (MSL.) , at 19.00 Hours, on Oct 10, 2006

Zero Gage at Bottom Elevation 174.00 m. (MSL.) , River Bed 175.29 m. (MSL.)

Left Bank Elevation 185.08 m. (MSL.) ,

Right Bank Elevation 185.44 m. (MSL.) , Drainage Are 6,282 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.32 | 5.70 | 5.40 | 54.20 | 36.50 | 103.00 | 186.40 | 60.20 | 6.00 | 3.90 | 2.42 | 1.70 | | |
| 2 | 3.32 | 5.10 | 9.15 | 39.20 | 44.90 | 109.00 | 196.60 | 51.20 | 5.40 | 3.80 | 2.33 | 1.79 | | |
| 3 | 3.32 | 4.80 | 11.90 | 15.90 | 77.40 | 118.15 | 220.40 | 45.80 | 5.25 | 3.60 | 2.06 | 1.97 | | |
| 4 | 3.32 | 4.80 | 8.25 | 7.95 | 87.40 | 127.60 | 243.00 | 38.60 | 5.55 | 3.70 | 1.70 | 2.06 | | |
| 5 | 3.32 | 4.50 | 6.30 | 6.90 | 71.45 | 133.00 | 265.50 | 33.00 | 5.25 | 3.80 | 1.70 | 2.15 | | |
| 6 | 3.32 | 3.90 | 6.60 | 7.05 | 37.70 | 141.75 | 301.40 | 26.00 | 5.10 | 3.60 | 1.49 | 2.96 | | |
| 7 | 3.32 | 3.80 | 5.55 | 9.30 | 21.50 | 151.35 | 329.40 | 20.90 | 5.10 | 3.32 | 1.35 | 3.50 | | |
| 8 | 3.41 | 3.70 | 5.25 | 26.25 | 15.70 | 156.45 | 343.10 | 18.50 | 5.25 | 3.14 | 1.14 | 3.41 | | |
| 9 | 3.41 | 3.60 | 4.80 | 28.50 | 12.10 | 157.30 | 367.40 | 11.70 | 5.25 | 3.14 | 0.90 | 2.96 | | |
| 10 | 3.32 | 3.50 | 4.20 | 13.50 | 10.90 | 154.75 | 391.70 | 6.45 | 5.25 | 3.05 | 0.65 | 2.51 | | |
| 11 | 3.32 | 3.23 | 3.70 | 15.50 | 8.85 | 160.00 | 399.80 | 6.90 | 5.10 | 3.05 | 0.60 | 2.24 | | |
| 12 | 3.41 | 3.41 | 3.32 | 38.00 | 10.50 | 164.00 | 391.70 | 9.00 | 5.10 | 2.96 | 0.46 | 2.06 | | |
| 13 | 3.32 | 4.00 | 3.50 | 64.10 | 11.70 | 170.40 | 383.60 | 8.55 | 4.95 | 2.96 | 0.36 | 2.06 | | |
| 14 | 3.41 | 4.50 | 3.60 | 71.80 | 9.00 | 184.70 | 383.60 | 8.40 | 4.65 | 2.69 | 0.27 | 2.06 | | |
| 15 | 3.41 | 4.40 | 3.32 | 57.20 | 7.95 | 213.60 | 375.50 | 8.10 | 4.30 | 2.69 | 0.19 | 1.97 | | |
| 16 | 3.41 | 4.20 | 2.96 | 29.50 | 7.95 | 256.50 | 375.50 | 7.95 | 4.30 | 2.69 | 0.09 | 1.97 | | |
| 17 | 3.41 | 4.10 | 2.06 | 22.30 | 19.10 | 274.50 | 359.30 | 7.80 | 4.30 | 2.87 | 0.00 | 1.97 | | |
| 18 | 3.41 | 3.70 | 2.60 | 25.25 | 48.80 | 279.00 | 329.40 | 7.80 | 4.40 | 2.87 | 0.06 | 1.97 | | |
| 19 | 3.50 | 3.80 | 4.40 | 27.25 | 57.20 | 279.00 | 290.20 | 7.50 | 4.00 | 2.87 | 0.44 | 2.06 | | |
| 20 | 4.10 | 3.80 | 4.40 | 46.40 | 33.00 | 279.00 | 247.50 | 7.50 | 3.90 | 2.87 | 0.85 | 2.24 | | |
| 21 | 4.65 | 3.80 | 4.40 | 60.50 | 16.50 | 284.60 | 217.00 | 7.35 | 3.90 | 2.78 | 0.85 | 2.24 | | |
| 22 | 5.40 | 4.40 | 4.40 | 68.65 | 12.30 | 295.80 | 191.50 | 7.35 | 3.80 | 2.78 | 0.75 | 2.24 | | |
| 23 | 5.70 | 5.55 | 4.40 | 46.70 | 20.10 | 312.60 | 171.80 | 7.20 | 3.90 | 2.78 | 1.49 | 2.15 | | |
| 24 | 6.00 | 6.15 | 4.50 | 25.50 | 32.00 | 312.60 | 157.30 | 7.35 | 3.90 | 2.78 | 1.70 | 2.15 | | |
| 25 | 5.70 | 6.15 | 4.50 | 11.70 | 21.50 | 295.80 | 146.90 | 7.80 | 3.80 | 2.87 | 1.70 | 2.15 | | |
| 26 | 5.40 | 6.60 | 4.50 | 6.75 | 12.50 | 265.50 | 131.50 | 7.35 | 3.80 | 2.87 | 1.56 | 2.06 | | |
| 27 | 5.25 | 6.15 | 5.40 | 15.70 | 19.70 | 243.00 | 115.00 | 6.75 | 3.80 | 2.78 | 1.70 | 2.06 | | |
| 28 | 4.80 | 5.55 | 15.70 | 43.40 | 64.80 | 227.20 | 104.20 | 6.75 | 3.80 | 2.69 | 1.07 | 2.06 | | |
| 29 | 5.10 | 5.85 | 38.30 | 78.10 | 91.40 | 198.30 | 91.80 | 6.15 | 3.90 | 2.69 | | 1.97 | | |
| 30 | 5.40 | 6.30 | 61.40 | 76.35 | 98.20 | 193.20 | 79.50 | 6.00 | 4.00 | 2.60 | | 2.06 | | |
| 31 | | 6.00 | | 53.60 | 100.20 | | 69.00 | | 4.00 | 2.51 | | 2.06 | | |
| Total | 121.48 | 145.04 | 248.76 | 1093.00 | 1118.80 | 6241.65 | 7856.50 | 461.90 | 141.00 | 93.70 | 29.88 | 68.81 | 17620.52 | CMSDAY |
| Mean | 4.05 | 4.68 | 8.29 | 35.26 | 36.09 | 208.06 | 253.44 | 15.40 | 4.55 | 3.02 | 1.07 | 2.22 | 48.28 | CMS |
| Max | 6.00 | 6.60 | 61.40 | 78.10 | 100.20 | 312.60 | 399.80 | 60.20 | 6.00 | 3.90 | 2.42 | 3.50 | 399.80 | CMS |
| Min | 3.32 | 3.23 | 2.06 | 6.75 | 7.95 | 103.00 | 69.00 | 6.00 | 3.80 | 2.51 | 0.00 | 1.70 | 0.00 | CMS |
| Runoff | 10.50 | 12.53 | 21.49 | 94.44 | 96.66 | 539.28 | 678.80 | 39.91 | 12.18 | 8.10 | 2.58 | 5.95 | 1522.41 | MCM |

Momentary Peak 399.80 CMS, at 182.78 m. (MSL.), at 19.00 Hours, on Oct 10, 2006

Runoff Yield 7.68 Liters/Second/Square KM. Momentary Peak Yield 63.64 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Nam Phong at Ban Pha Nok Khao , Loei (E.29)

Lat 16 - 50 - 44 N Long 101 - 56 - 54 E

**Location : on right bank in the vicinity of the forestry office about 400 meters from the bridge on highway.**

**Ban** Pha Nok Khao **Amphoe** Phu Kradung **Changwat** Loei

| | |
|---|---|
| **Drainge Area** | 949 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +225.000 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | In front of the automatic gage buiding. **Elevation** +236.945 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1956 - 1958 , 1967 to date |
| **Rating Operation** | |
| **Period of Rating** | 1978 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1978 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by Ubonrat Dam. |
| | Stage-discharge relation defined by 112 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

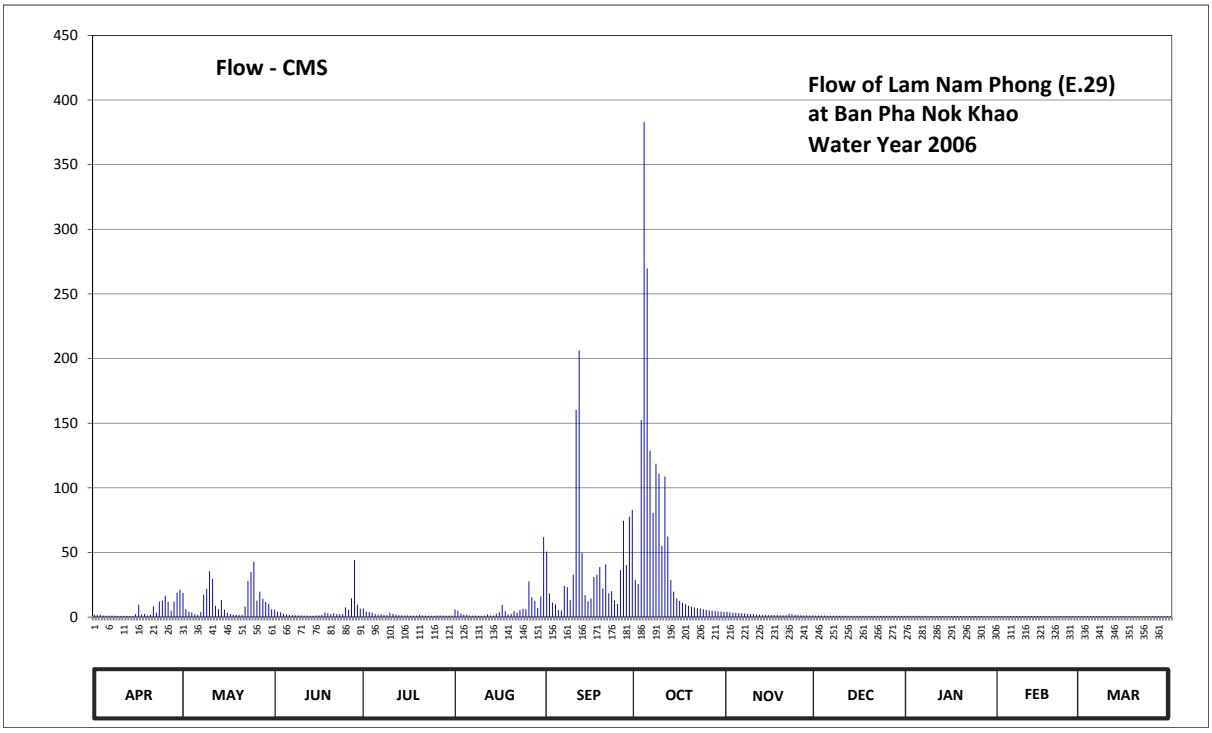
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 226.19 | 228.28 | 226.83 | 226.95 | 226.85 | 230.29 | 229.05 | 226.55 | 226.04 | 225.96 | 225.91 | 225.92 | |
| 2 | 226.13 | 226.88 | 226.57 | 226.59 | 226.71 | 228.25 | 228.82 | 226.51 | 226.04 | 225.96 | 225.91 | 225.92 | |
| 3 | 226.20 | 226.58 | 226.51 | 226.55 | 226.34 | 227.53 | 233.69 | 226.46 | 226.03 | 225.95 | 225.91 | 225.90 | |
| 4 | 226.04 | 226.48 | 226.32 | 226.46 | 226.18 | 227.36 | 237.48 | 226.44 | 226.03 | 225.95 | 225.91 | 225.88 | |
| 5 | 226.00 | 226.26 | 226.23 | 226.27 | 226.18 | 226.80 | 236.31 | 226.41 | 226.02 | 225.94 | 225.91 | 225.88 | |
| 6 | 225.99 | 226.18 | 226.15 | 226.21 | 226.10 | 226.74 | 233.05 | 226.38 | 226.01 | 225.94 | 225.91 | 225.87 | |
| 7 | 226.04 | 226.52 | 226.15 | 226.25 | 226.06 | 228.70 | 231.49 | 226.35 | 226.01 | 225.94 | 225.91 | 225.87 | |
| 8 | 225.99 | 228.18 | 226.12 | 226.15 | 226.03 | 228.63 | 232.74 | 226.32 | 226.01 | 225.93 | 225.91 | 225.87 | |
| 9 | 225.97 | 228.52 | 226.08 | 226.11 | 226.02 | 227.76 | 232.50 | 226.27 | 226.01 | 225.93 | 225.90 | 225.87 | |
| 10 | 225.97 | 229.47 | 226.05 | 226.44 | 226.01 | 229.31 | 230.48 | 226.25 | 226.01 | 225.93 | 225.90 | 225.88 | |
| 11 | 225.94 | 229.10 | 226.05 | 226.29 | 226.06 | 233.90 | 232.43 | 226.22 | 226.00 | 225.93 | 225.90 | 225.88 | |
| 12 | 225.94 | 227.22 | 226.03 | 226.19 | 226.23 | 235.07 | 230.80 | 226.20 | 225.99 | 225.93 | 225.90 | 225.87 | |
| 13 | 225.92 | 226.88 | 226.02 | 226.12 | 226.09 | 230.24 | 229.04 | 226.19 | 225.98 | 225.92 | 225.90 | 225.87 | |
| 14 | 225.91 | 227.78 | 226.01 | 226.10 | 226.04 | 228.15 | 228.36 | 226.18 | 225.98 | 225.92 | 225.90 | 225.87 | |
| 15 | 226.28 | 226.83 | 226.03 | 226.10 | 226.33 | 227.65 | 227.93 | 226.16 | 225.98 | 225.92 | 225.90 | 225.86 | |
| 16 | 227.32 | 226.46 | 226.08 | 226.07 | 226.53 | 227.93 | 227.69 | 226.14 | 225.98 | 225.92 | 225.90 | 225.85 | |
| 17 | 226.22 | 226.29 | 226.16 | 226.05 | 227.29 | 229.18 | 227.52 | 226.13 | 225.98 | 225.92 | 225.88 | 225.85 | |
| 18 | 226.29 | 226.19 | 226.49 | 226.02 | 226.65 | 229.29 | 227.37 | 226.13 | 225.97 | 225.93 | 225.85 | 225.85 | |
| 19 | 226.03 | 226.17 | 226.38 | 226.05 | 226.24 | 229.67 | 227.23 | 226.11 | 225.97 | 225.93 | 225.88 | 225.85 | |
| 20 | 226.22 | 226.15 | 226.25 | 226.18 | 226.32 | 228.55 | 227.13 | 226.10 | 225.96 | 225.92 | 225.88 | 225.83 | |
| 21 | 227.18 | 226.19 | 226.37 | 226.07 | 226.67 | 229.80 | 227.06 | 226.13 | 225.96 | 225.93 | 225.89 | 225.83 | |
| 22 | 226.46 | 227.14 | 226.25 | 226.04 | 226.46 | 228.26 | 226.99 | 226.29 | 225.96 | 225.92 | 225.89 | 225.85 | |
| 23 | 227.62 | 229.00 | 226.25 | 226.02 | 226.78 | 228.39 | 226.95 | 226.25 | 225.96 | 225.91 | 225.89 | 225.85 | |
| 24 | 227.72 | 229.43 | 226.27 | 226.02 | 226.92 | 227.71 | 226.87 | 226.17 | 225.96 | 225.91 | 225.89 | 225.85 | |
| 25 | 228.12 | 229.93 | 227.06 | 226.01 | 226.87 | 227.37 | 226.80 | 226.15 | 225.96 | 225.91 | 225.88 | 225.84 | |
| 26 | 227.59 | 227.71 | 226.82 | 226.10 | 228.98 | 229.52 | 226.75 | 226.11 | 225.96 | 225.91 | 225.88 | 225.84 | |
| 27 | 226.70 | 228.36 | 227.94 | 226.10 | 228.02 | 231.27 | 226.72 | 226.09 | 225.96 | 225.91 | 225.88 | 225.84 | |
| 28 | 227.63 | 227.91 | 230.01 | 226.06 | 227.70 | 229.76 | 226.68 | 226.07 | 225.96 | 225.91 | 225.89 | 225.84 | |
| 29 | 228.30 | 227.60 | 227.34 | 226.05 | 227.01 | 231.38 | 226.63 | 226.06 | 225.96 | 225.91 | | 225.85 | |
| 30 | 228.47 | 227.39 | 226.93 | 226.04 | 228.07 | 231.57 | 226.60 | 226.05 | 225.96 | 225.91 | | 225.86 | |
| 31 | | 226.84 | | 226.04 | 230.78 | | 226.56 | | 225.96 | 225.91 | | 225.86 | |
| Mean | 226.61 | 227.42 | 226.53 | 226.18 | 226.79 | 229.20 | 229.22 | 226.23 | 225.99 | 225.93 | 225.90 | 225.86 | |
| Max | 228.47 | 229.93 | 230.01 | 226.95 | 230.78 | 235.07 | 237.48 | 226.55 | 226.04 | 225.96 | 225.91 | 225.92 | 237.48 |
| Min | 225.91 | 226.15 | 226.01 | 226.01 | 226.01 | 226.74 | 226.56 | 226.05 | 225.96 | 225.91 | 225.85 | 225.83 | 225.83 |

Annual Max Momentary Gage Height 237.86 m. (MSL.) , at 17.00 Hours, on Oct 4, 2006

Zero Gage at Bottom Elevation 225.00 m. (MSL.) , River Bed 225.42 m. (MSL.)

Left Bank Elevation 238.60 m. (MSL.) ,

Right Bank Elevation 238.60 m. (MSL.) , Drainage Are 949 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.85 | 18.64 | 5.81 | 6.65 | 5.95 | 50.67 | 28.80 | 4.00 | 1.22 | 0.98 | 0.83 | 0.86 | | |
| 2 | 1.55 | 6.16 | 4.12 | 4.24 | 4.97 | 18.25 | 25.66 | 3.76 | 1.22 | 0.98 | 0.83 | 0.86 | | |
| 3 | 1.90 | 4.18 | 3.76 | 4.00 | 2.74 | 11.24 | 152.53 | 3.46 | 1.19 | 0.95 | 0.83 | 0.80 | | |
| 4 | 1.22 | 3.58 | 2.62 | 3.46 | 1.80 | 9.88 | 383.00 | 3.34 | 1.19 | 0.95 | 0.83 | 0.74 | | |
| 5 | 1.10 | 2.26 | 2.08 | 2.32 | 1.80 | 5.60 | 269.84 | 3.16 | 1.16 | 0.92 | 0.83 | 0.74 | | |
| 6 | 1.07 | 1.80 | 1.65 | 1.96 | 1.40 | 5.18 | 128.85 | 2.98 | 1.13 | 0.92 | 0.83 | 0.71 | | |
| 7 | 1.22 | 3.82 | 1.65 | 2.20 | 1.28 | 24.10 | 80.72 | 2.80 | 1.13 | 0.92 | 0.83 | 0.71 | | |
| 8 | 1.07 | 17.34 | 1.50 | 1.65 | 1.19 | 23.19 | 118.68 | 2.62 | 1.13 | 0.89 | 0.83 | 0.71 | | |
| 9 | 1.01 | 21.76 | 1.34 | 1.45 | 1.16 | 13.08 | 111.00 | 2.32 | 1.13 | 0.89 | 0.80 | 0.71 | | |
| 10 | 1.01 | 35.52 | 1.25 | 3.34 | 1.13 | 32.96 | 55.04 | 2.20 | 1.13 | 0.89 | 0.80 | 0.74 | | |
| 11 | 0.92 | 29.60 | 1.25 | 2.44 | 1.28 | 160.30 | 108.76 | 2.02 | 1.10 | 0.89 | 0.80 | 0.74 | | |
| 12 | 0.92 | 8.76 | 1.19 | 1.85 | 2.08 | 206.29 | 62.40 | 1.90 | 1.07 | 0.89 | 0.80 | 0.71 | | |
| 13 | 0.86 | 6.16 | 1.16 | 1.50 | 1.37 | 49.52 | 28.64 | 1.85 | 1.04 | 0.86 | 0.80 | 0.71 | | |
| 14 | 0.83 | 13.24 | 1.13 | 1.40 | 1.22 | 16.95 | 19.68 | 1.80 | 1.04 | 0.86 | 0.80 | 0.71 | | |
| 15 | 2.38 | 5.81 | 1.19 | 1.40 | 2.68 | 12.20 | 14.44 | 1.70 | 1.04 | 0.86 | 0.80 | 0.68 | | |
| 16 | 9.56 | 3.46 | 1.34 | 1.31 | 3.88 | 14.44 | 12.52 | 1.60 | 1.04 | 0.86 | 0.80 | 0.65 | | |
| 17 | 2.02 | 2.44 | 1.70 | 1.25 | 9.32 | 30.88 | 11.16 | 1.55 | 1.04 | 0.86 | 0.74 | 0.65 | | |
| 18 | 2.44 | 1.85 | 3.64 | 1.16 | 4.60 | 32.64 | 9.96 | 1.55 | 1.01 | 0.89 | 0.65 | 0.65 | | |
| 19 | 1.19 | 1.75 | 2.98 | 1.25 | 2.14 | 38.72 | 8.84 | 1.45 | 1.01 | 0.89 | 0.74 | 0.65 | | |
| 20 | 2.02 | 1.65 | 2.20 | 1.80 | 2.62 | 22.15 | 8.04 | 1.40 | 0.98 | 0.86 | 0.74 | 0.59 | | |
| 21 | 8.44 | 1.85 | 2.92 | 1.31 | 4.72 | 40.80 | 7.48 | 1.55 | 0.98 | 0.89 | 0.77 | 0.59 | | |
| 22 | 3.46 | 8.12 | 2.20 | 1.22 | 3.46 | 18.38 | 6.93 | 2.44 | 0.98 | 0.86 | 0.77 | 0.65 | | |
| 23 | 11.96 | 28.00 | 2.20 | 1.16 | 5.46 | 20.07 | 6.65 | 2.20 | 0.98 | 0.83 | 0.77 | 0.65 | | |
| 24 | 12.76 | 34.88 | 2.32 | 1.16 | 6.44 | 12.68 | 6.09 | 1.75 | 0.98 | 0.83 | 0.77 | 0.65 | | |
| 25 | 16.56 | 42.88 | 7.48 | 1.13 | 6.09 | 9.96 | 5.60 | 1.65 | 0.98 | 0.83 | 0.74 | 0.62 | | |
| 26 | 11.72 | 12.68 | 5.74 | 1.40 | 27.74 | 36.32 | 5.25 | 1.45 | 0.98 | 0.83 | 0.74 | 0.62 | | |
| 27 | 4.90 | 19.68 | 14.52 | 1.40 | 15.26 | 74.56 | 5.04 | 1.37 | 0.98 | 0.83 | 0.74 | 0.62 | | |
| 28 | 12.04 | 14.28 | 44.23 | 1.28 | 12.60 | 40.16 | 4.78 | 1.31 | 0.98 | 0.83 | 0.77 | 0.62 | | |
| 29 | 18.90 | 11.80 | 9.72 | 1.25 | 7.08 | 77.64 | 4.48 | 1.28 | 0.98 | 0.83 | | 0.65 | | |
| 30 | 21.11 | 10.12 | 6.51 | 1.22 | 15.91 | 82.96 | 4.30 | 1.25 | 0.98 | 0.83 | | 0.68 | | |
| 31 | | 5.88 | | 1.22 | 61.94 | | 4.06 | | 0.98 | 0.83 | | 0.68 | | |
| Total | 157.99 | 379.95 | 141.40 | 60.38 | 221.31 | 1191.77 | 1699.22 | 63.71 | 32.78 | 27.23 | 21.98 | 21.35 | 4019.07 | CMSDAY |
| Mean | 5.27 | 12.26 | 4.71 | 1.95 | 7.14 | 39.73 | 54.81 | 2.12 | 1.06 | 0.88 | 0.79 | 0.69 | 11.01 | CMS |
| Max | 21.11 | 42.88 | 44.23 | 6.65 | 61.94 | 206.29 | 383.00 | 4.00 | 1.22 | 0.98 | 0.83 | 0.86 | 383.00 | CMS |
| Min | 0.83 | 1.65 | 1.13 | 1.13 | 1.13 | 5.18 | 4.06 | 1.25 | 0.98 | 0.83 | 0.65 | 0.59 | 0.59 | CMS |
| Runoff | 13.65 | 32.83 | 12.22 | 5.22 | 19.12 | 102.97 | 146.81 | 5.50 | 2.83 | 2.35 | 1.90 | 1.84 | 347.25 | MCM |

Momentary Peak 448.00 CMS, at 237.86 m. (MSL.), at 17.00 Hours, on Oct 4, 2006

Runoff Yield 11.60 Liters/Second/Square KM. Momentary Peak Yield 472.08 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Nong O , Chaiyaphum (E.32A)

Lat 15 - 54 - 41 N Long 101 - 42 - 42 E

**Location : on right bank about 500 meters north of Ban Nong O from about 600 meters upstream from E.32 gaging station.**

| | | | |
|---|---|---|---|
| | **Ban** Nong O | **Amphoe** Ban Khwao | **Changwat** Chaiyaphum |
| **Drainge Area** | 2,867 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +198.000 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On right bank at the measuring line. | | **Elevation** +210.661 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1966 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1968 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1968 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow | | |
| **General Description** | Records good. Stage-discharge relation defined by 105 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

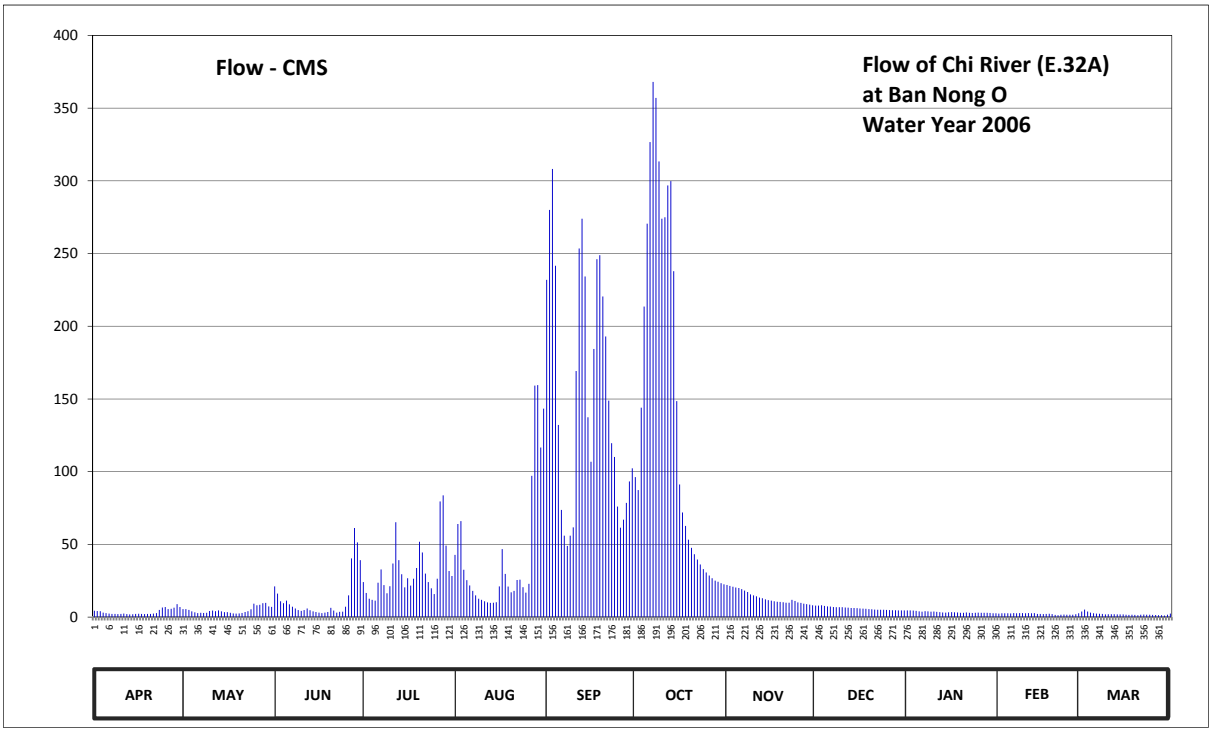
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 198.93 | 199.02 | 199.91 | 200.17 | 201.24 | 207.15 | 203.41 | 200.01 | 199.21 | 198.95 | 198.72 | 198.88 | |
| 2 | 198.91 | 199.02 | 199.64 | 199.66 | 202.20 | 208.18 | 203.11 | 199.95 | 199.21 | 198.95 | 198.74 | 199.00 | |
| 3 | 198.90 | 198.98 | 199.39 | 199.48 | 202.28 | 208.66 | 204.91 | 199.89 | 199.22 | 198.94 | 198.74 | 198.88 | |
| 4 | 198.81 | 198.89 | 199.31 | 199.44 | 200.73 | 207.36 | 206.72 | 199.83 | 199.19 | 198.92 | 198.75 | 198.81 | |
| 5 | 198.76 | 198.83 | 199.41 | 199.41 | 200.26 | 204.55 | 207.99 | 199.80 | 199.17 | 198.89 | 198.73 | 198.75 | |
| 6 | 198.71 | 198.77 | 199.26 | 200.14 | 199.98 | 202.59 | 208.89 | 199.77 | 199.16 | 198.87 | 198.76 | 198.72 | |
| 7 | 198.68 | 198.80 | 199.15 | 200.74 | 199.72 | 201.88 | 209.30 | 199.73 | 199.13 | 198.90 | 198.75 | 198.70 | |
| 8 | 198.68 | 198.78 | 199.06 | 200.00 | 199.59 | 201.55 | 209.20 | 199.69 | 199.12 | 198.89 | 198.76 | 198.68 | |
| 9 | 198.67 | 198.80 | 198.97 | 199.65 | 199.48 | 201.88 | 208.73 | 199.62 | 199.12 | 198.87 | 198.76 | 198.64 | |
| 10 | 198.69 | 198.91 | 198.92 | 199.92 | 199.44 | 202.11 | 208.06 | 199.59 | 199.12 | 198.88 | 198.75 | 198.66 | |
| 11 | 198.71 | 198.94 | 198.97 | 200.94 | 199.39 | 205.60 | 208.08 | 199.56 | 199.11 | 198.86 | 198.76 | 198.66 | |
| 12 | 198.67 | 198.90 | 199.06 | 202.25 | 199.34 | 207.62 | 208.48 | 199.52 | 199.10 | 198.84 | 198.74 | 198.66 | |
| 13 | 198.64 | 198.95 | 198.96 | 201.06 | 199.32 | 208.06 | 208.53 | 199.50 | 199.08 | 198.82 | 198.76 | 198.64 | |
| 14 | 198.66 | 198.89 | 198.89 | 200.53 | 199.33 | 207.20 | 207.28 | 199.46 | 199.08 | 198.81 | 198.69 | 198.63 | |
| 15 | 198.69 | 198.84 | 198.85 | 199.85 | 199.35 | 204.71 | 205.04 | 199.43 | 199.07 | 198.83 | 198.68 | 198.64 | |
| 16 | 198.70 | 198.84 | 198.81 | 200.35 | 199.91 | 203.76 | 203.24 | 199.41 | 199.06 | 198.84 | 198.67 | 198.61 | |
| 17 | 198.69 | 198.80 | 198.77 | 199.97 | 201.44 | 206.01 | 202.52 | 199.39 | 199.05 | 198.83 | 198.69 | 198.59 | |
| 18 | 198.67 | 198.73 | 198.81 | 200.33 | 200.55 | 207.46 | 202.15 | 199.37 | 199.04 | 198.82 | 198.70 | 198.60 | |
| 19 | 198.68 | 198.72 | 198.85 | 200.79 | 199.90 | 207.52 | 201.76 | 199.36 | 199.02 | 198.79 | 198.67 | 198.59 | |
| 20 | 198.68 | 198.73 | 199.09 | 201.69 | 199.68 | 206.89 | 201.48 | 199.35 | 199.01 | 198.80 | 198.59 | 198.56 | |
| 21 | 198.72 | 198.78 | 198.94 | 201.32 | 199.72 | 206.22 | 201.26 | 199.33 | 199.00 | 198.82 | 198.56 | 198.61 | |
| 22 | 198.76 | 198.85 | 198.81 | 200.56 | 200.27 | 205.05 | 201.08 | 199.33 | 198.99 | 198.80 | 198.60 | 198.62 | |
| 23 | 198.98 | 198.90 | 198.86 | 200.17 | 200.28 | 204.17 | 200.91 | 199.44 | 198.99 | 198.78 | 198.62 | 198.60 | |
| 24 | 199.11 | 199.01 | 198.87 | 199.79 | 199.86 | 203.87 | 200.75 | 199.40 | 198.99 | 198.79 | 198.61 | 198.60 | |
| 25 | 199.13 | 199.29 | 199.15 | 199.63 | 199.67 | 202.68 | 200.61 | 199.34 | 198.98 | 198.81 | 198.60 | 198.59 | |
| 26 | 199.02 | 199.22 | 199.59 | 200.33 | 200.09 | 202.10 | 200.47 | 199.32 | 198.97 | 198.79 | 198.60 | 198.57 | |
| 27 | 199.04 | 199.24 | 201.12 | 202.82 | 203.44 | 202.32 | 200.35 | 199.29 | 198.96 | 198.80 | 198.65 | 198.56 | |
| 28 | 199.10 | 199.31 | 202.09 | 202.99 | 205.33 | 202.78 | 200.24 | 199.27 | 198.96 | 198.80 | 198.75 | 198.55 | |
| 29 | 199.27 | 199.32 | 201.67 | 201.56 | 205.34 | 203.31 | 200.19 | 199.25 | 198.95 | 198.78 | | 198.52 | |
| 30 | 199.13 | 199.17 | 201.06 | 200.68 | 204.08 | 203.61 | 200.12 | 199.22 | 198.95 | 198.74 | | 198.61 | |
| 31 | | 199.14 | | 200.45 | 204.89 | | 200.06 | | 198.95 | 198.74 | | 198.71 | |
| Mean | 198.83 | 198.95 | 199.41 | 200.54 | 200.84 | 204.90 | 204.03 | 199.51 | 199.06 | 198.84 | 198.69 | 198.66 | |
| Max | 199.27 | 199.32 | 202.09 | 202.99 | 205.34 | 208.66 | 209.30 | 200.01 | 199.22 | 198.95 | 198.76 | 199.00 | 209.30 |
| Min | 198.64 | 198.72 | 198.77 | 199.41 | 199.32 | 201.55 | 200.06 | 199.22 | 198.95 | 198.74 | 198.56 | 198.52 | 198.52 |

Annual Max Momentary Gage Height 209.33 m. (MSL.) , at 13.00 Hours, on Oct 7, 2006

Zero Gage at Bottom Elevation 198.00 m. (MSL.) , River Bed 197.39 m. (MSL.)

Left Bank Elevation 212.97 m. (MSL.) ,

Right Bank Elevation 210.64 m. (MSL.) , Drainage Are 2,867 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.43 | 5.46 | 21.10 | 24.05 | 42.80 | 231.90 | 96.30 | 22.10 | 7.96 | 4.65 | 2.44 | 3.88 | | |
| 2 | 4.21 | 5.46 | 16.12 | 16.58 | 64.00 | 280.00 | 87.30 | 21.50 | 7.96 | 4.65 | 2.58 | 5.20 | | |
| 3 | 4.10 | 4.98 | 10.93 | 12.62 | 66.00 | 308.20 | 144.03 | 20.90 | 8.12 | 4.54 | 2.58 | 3.88 | | |
| 4 | 3.11 | 3.99 | 9.57 | 11.86 | 32.60 | 241.56 | 213.52 | 20.30 | 7.67 | 4.32 | 2.65 | 3.11 | | |
| 5 | 2.72 | 3.33 | 11.29 | 11.29 | 25.40 | 132.15 | 270.54 | 20.00 | 7.41 | 3.99 | 2.51 | 2.65 | | |
| 6 | 2.37 | 2.79 | 8.76 | 23.60 | 21.80 | 73.75 | 326.65 | 19.25 | 7.28 | 3.77 | 2.72 | 2.44 | | |
| 7 | 2.16 | 3.00 | 7.15 | 32.80 | 18.00 | 56.00 | 368.00 | 18.25 | 6.89 | 4.10 | 2.65 | 2.30 | | |
| 8 | 2.16 | 2.86 | 5.98 | 22.00 | 14.98 | 49.00 | 357.00 | 17.27 | 6.76 | 3.99 | 2.72 | 2.16 | | |
| 9 | 2.09 | 3.00 | 4.87 | 16.35 | 12.62 | 56.00 | 313.40 | 15.66 | 6.76 | 3.77 | 2.72 | 1.88 | | |
| 10 | 2.23 | 4.21 | 4.32 | 21.20 | 11.86 | 61.75 | 274.00 | 14.98 | 6.76 | 3.88 | 2.65 | 2.02 | | |
| 11 | 2.37 | 4.54 | 4.87 | 36.80 | 10.93 | 169.20 | 275.00 | 14.32 | 6.63 | 3.66 | 2.72 | 2.02 | | |
| 12 | 2.09 | 4.10 | 5.98 | 65.25 | 10.08 | 253.52 | 296.80 | 13.44 | 6.50 | 3.44 | 2.58 | 2.02 | | |
| 13 | 1.88 | 4.65 | 4.76 | 39.20 | 9.74 | 274.00 | 299.80 | 13.00 | 6.24 | 3.22 | 2.72 | 1.88 | | |
| 14 | 2.02 | 3.99 | 3.99 | 29.45 | 9.91 | 234.20 | 237.88 | 12.24 | 6.24 | 3.11 | 2.23 | 1.81 | | |
| 15 | 2.23 | 3.44 | 3.55 | 20.50 | 10.25 | 137.43 | 148.48 | 11.67 | 6.11 | 3.33 | 2.16 | 1.88 | | |
| 16 | 2.30 | 3.44 | 3.11 | 26.75 | 21.10 | 106.80 | 91.20 | 11.29 | 5.98 | 3.44 | 2.09 | 1.67 | | |
| 17 | 2.23 | 3.00 | 2.79 | 21.70 | 46.80 | 184.41 | 72.00 | 10.93 | 5.85 | 3.33 | 2.23 | 1.54 | | |
| 18 | 2.09 | 2.51 | 3.11 | 26.45 | 29.75 | 246.16 | 62.75 | 10.59 | 5.72 | 3.22 | 2.30 | 1.60 | | |
| 19 | 2.16 | 2.44 | 3.55 | 33.80 | 21.00 | 248.92 | 53.20 | 10.42 | 5.46 | 2.93 | 2.09 | 1.54 | | |
| 20 | 2.16 | 2.51 | 6.37 | 51.80 | 17.04 | 220.49 | 47.60 | 10.25 | 5.33 | 3.00 | 1.54 | 1.36 | | |
| 21 | 2.44 | 2.86 | 4.54 | 44.40 | 18.00 | 193.02 | 43.20 | 9.91 | 5.20 | 3.22 | 1.36 | 1.67 | | |
| 22 | 2.72 | 3.55 | 3.11 | 29.90 | 25.55 | 148.85 | 39.60 | 9.91 | 5.09 | 3.00 | 1.60 | 1.74 | | |
| 23 | 4.98 | 4.10 | 3.66 | 24.05 | 25.70 | 119.61 | 36.20 | 11.86 | 5.09 | 2.86 | 1.74 | 1.60 | | |
| 24 | 6.63 | 5.33 | 3.77 | 19.75 | 20.60 | 110.10 | 33.00 | 11.10 | 5.09 | 2.93 | 1.67 | 1.60 | | |
| 25 | 6.89 | 9.24 | 7.15 | 15.89 | 16.81 | 76.00 | 30.65 | 10.08 | 4.98 | 3.11 | 1.60 | 1.54 | | |
| 26 | 5.46 | 8.12 | 14.98 | 26.45 | 22.90 | 61.50 | 28.55 | 9.74 | 4.87 | 2.93 | 1.60 | 1.42 | | |
| 27 | 5.72 | 8.44 | 40.40 | 79.50 | 97.20 | 67.00 | 26.75 | 9.24 | 4.76 | 3.00 | 1.95 | 1.36 | | |
| 28 | 6.50 | 9.57 | 61.25 | 83.75 | 159.21 | 78.50 | 25.10 | 8.92 | 4.76 | 3.00 | 2.65 | 1.30 | | |
| 29 | 8.92 | 9.74 | 51.40 | 49.20 | 159.58 | 93.30 | 24.35 | 8.60 | 4.65 | 2.86 | | 1.12 | | |
| 30 | 6.89 | 7.41 | 39.20 | 31.70 | 116.64 | 102.30 | 23.30 | 8.12 | 4.65 | 2.58 | | 1.67 | | |
| 31 | | 7.02 | | 28.25 | 143.37 | | 22.60 | | 4.65 | 2.58 | | 2.37 | | |
| Total | 108.26 | 149.08 | 371.63 | 976.89 | 1302.22 | 4615.62 | 4368.75 | 405.84 | 187.42 | 106.41 | 63.05 | 64.23 | 12719.40 | CMSDAY |
| Mean | 3.61 | 4.81 | 12.39 | 31.51 | 42.01 | 153.85 | 140.93 | 13.53 | 6.05 | 3.43 | 2.25 | 2.07 | 34.85 | CMS |
| Max | 8.92 | 9.74 | 61.25 | 83.75 | 159.58 | 308.20 | 368.00 | 22.10 | 8.12 | 4.65 | 2.72 | 5.20 | 368.00 | CMS |
| Min | 1.88 | 2.44 | 2.79 | 11.29 | 9.74 | 49.00 | 22.60 | 8.12 | 4.65 | 2.58 | 1.36 | 1.12 | 1.12 | CMS |
| Runoff | 9.35 | 12.88 | 32.11 | 84.40 | 112.51 | 398.79 | 377.46 | 35.06 | 16.19 | 9.19 | 5.45 | 5.55 | 1098.96 | MCM |

Momentary Peak 372.20 CMS, at 209.33 m. (MSL.), at 13.00 Hours, on Oct 7, 2006

Runoff Yield 12.15 Liters/Second/Square KM. Momentary Peak Yield 129.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Nam Yang at Ban Kaeng Yao , Kalasin (E.54)

Lat 16 - 26 - 28 N Long 104 - 02 - 05 E

**Location : on right bank at Ban Kaeng Yao about 2 kilometers downstream from proposed of USBR Damsite.**

**Ban** Kaeng Yao **Amphoe** Kuchinarai **Changwat** Kalasin

| | |
|---|---|
| **Drainge Area** | 1,548 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +138.340 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +149.988 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1969 to date |
| **Rating Operation** | |
| **Period of Rating** | 1969 - 1977 , 1983 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1969 - 1977 , 1983 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The weir situated about 100 meters downstream from the gage site. Stage-discharge relation defined by 65 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

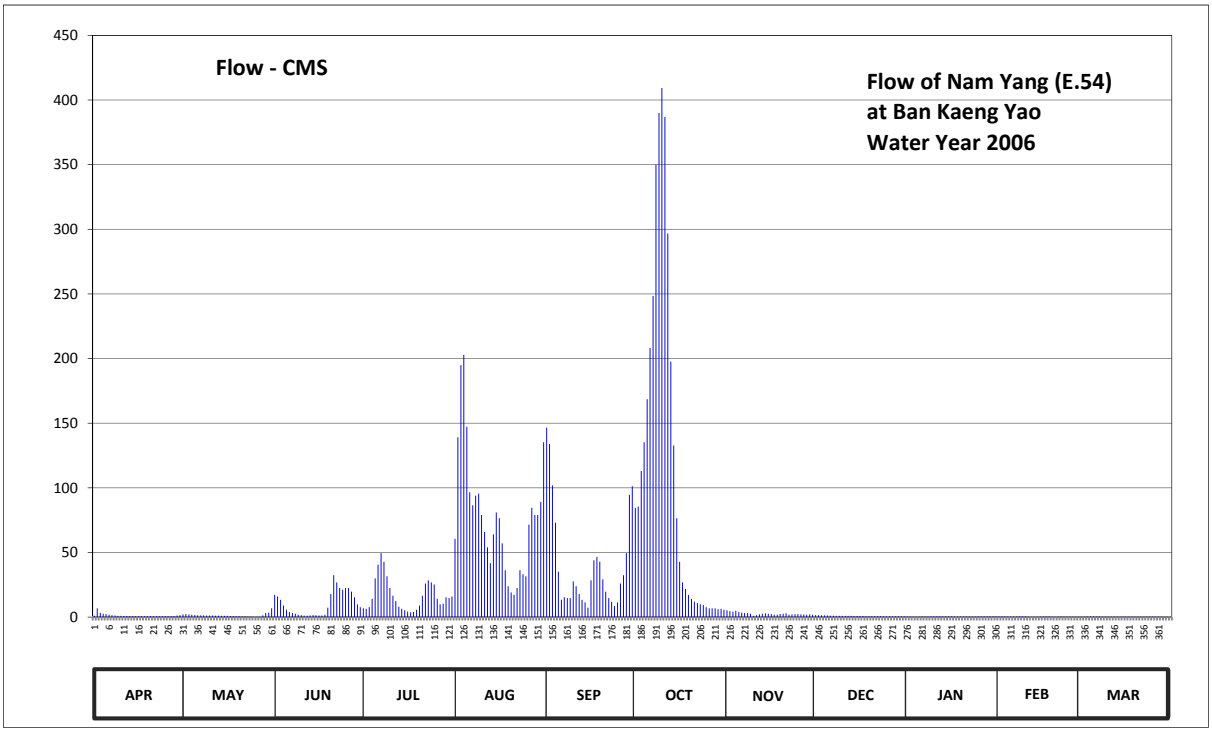
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 140.36 | 140.42 | 140.77 | 140.57 | 141.21 | 142.75 | 141.69 | 140.53 | 140.40 | 140.31 | 140.31 | 140.30 | |
| 2 | 140.57 | 140.43 | 140.75 | 140.56 | 142.63 | 142.55 | 141.71 | 140.51 | 140.39 | 140.31 | 140.31 | 140.30 | |
| 3 | 140.46 | 140.42 | 140.71 | 140.59 | 143.50 | 142.03 | 142.21 | 140.50 | 140.38 | 140.30 | 140.31 | 140.31 | |
| 4 | 140.44 | 140.41 | 140.62 | 140.72 | 143.62 | 141.46 | 142.57 | 140.52 | 140.38 | 140.30 | 140.31 | 140.31 | |
| 5 | 140.43 | 140.40 | 140.54 | 140.95 | 142.76 | 141.01 | 143.10 | 140.49 | 140.37 | 140.29 | 140.31 | 140.31 | |
| 6 | 140.41 | 140.38 | 140.49 | 141.06 | 141.93 | 140.71 | 143.70 | 140.47 | 140.36 | 140.32 | 140.31 | 140.31 | |
| 7 | 140.39 | 140.38 | 140.46 | 141.13 | 141.73 | 140.74 | 144.30 | 140.46 | 140.36 | 140.31 | 140.31 | 140.31 | |
| 8 | 140.37 | 140.38 | 140.44 | 141.08 | 141.88 | 140.73 | 145.73 | 140.46 | 140.35 | 140.31 | 140.32 | 140.30 | |
| 9 | 140.35 | 140.37 | 140.41 | 140.97 | 141.91 | 140.73 | 146.26 | 140.44 | 140.35 | 140.32 | 140.32 | 140.30 | |
| 10 | 140.35 | 140.37 | 140.39 | 140.85 | 141.58 | 140.92 | 146.51 | 140.35 | 140.35 | 140.32 | 140.32 | 140.30 | |
| 11 | 140.34 | 140.37 | 140.37 | 140.76 | 141.32 | 140.87 | 146.22 | 140.39 | 140.35 | 140.32 | 140.28 | 140.30 | |
| 12 | 140.34 | 140.36 | 140.36 | 140.69 | 141.16 | 140.78 | 145.01 | 140.42 | 140.35 | 140.32 | 140.26 | 140.30 | |
| 13 | 140.34 | 140.36 | 140.38 | 140.60 | 141.07 | 140.71 | 143.54 | 140.44 | 140.35 | 140.32 | 140.26 | 140.30 | |
| 14 | 140.34 | 140.35 | 140.40 | 140.56 | 141.28 | 140.67 | 142.53 | 140.45 | 140.34 | 140.32 | 140.26 | 140.30 | |
| 15 | 140.33 | 140.35 | 140.39 | 140.53 | 141.62 | 140.58 | 141.53 | 140.44 | 140.34 | 140.32 | 140.28 | 140.29 | |
| 16 | 140.33 | 140.35 | 140.37 | 140.50 | 141.53 | 140.93 | 141.08 | 140.43 | 140.34 | 140.32 | 140.31 | 140.29 | |
| 17 | 140.33 | 140.34 | 140.37 | 140.48 | 141.18 | 141.09 | 140.91 | 140.41 | 140.34 | 140.31 | 140.31 | 140.29 | |
| 18 | 140.33 | 140.34 | 140.41 | 140.49 | 141.02 | 141.11 | 140.84 | 140.41 | 140.33 | 140.31 | 140.31 | 140.29 | |
| 19 | 140.33 | 140.33 | 140.58 | 140.54 | 140.87 | 141.08 | 140.77 | 140.43 | 140.33 | 140.31 | 140.28 | 140.29 | |
| 20 | 140.33 | 140.33 | 140.78 | 140.62 | 140.80 | 140.94 | 140.72 | 140.44 | 140.33 | 140.31 | 140.27 | 140.29 | |
| 21 | 140.33 | 140.32 | 140.98 | 140.76 | 140.77 | 140.81 | 140.68 | 140.45 | 140.33 | 140.31 | 140.28 | 140.29 | |
| 22 | 140.33 | 140.32 | 140.91 | 140.90 | 140.85 | 140.73 | 140.66 | 140.41 | 140.33 | 140.31 | 140.31 | 140.29 | |
| 23 | 140.33 | 140.31 | 140.85 | 140.93 | 141.02 | 140.68 | 140.64 | 140.42 | 140.33 | 140.31 | 140.29 | 140.29 | |
| 24 | 140.33 | 140.29 | 140.83 | 140.91 | 140.99 | 140.61 | 140.63 | 140.43 | 140.32 | 140.31 | 140.29 | 140.30 | |
| 25 | 140.33 | 140.27 | 140.85 | 140.89 | 140.97 | 140.67 | 140.59 | 140.43 | 140.32 | 140.32 | 140.29 | 140.30 | |
| 26 | 140.33 | 140.26 | 140.85 | 140.72 | 141.43 | 140.90 | 140.57 | 140.42 | 140.32 | 140.32 | 140.30 | 140.30 | |
| 27 | 140.33 | 140.27 | 140.81 | 140.64 | 141.69 | 140.98 | 140.57 | 140.42 | 140.32 | 140.32 | 140.30 | 140.30 | |
| 28 | 140.34 | 140.38 | 140.74 | 140.65 | 141.58 | 141.13 | 140.57 | 140.41 | 140.32 | 140.32 | 140.30 | 140.29 | |
| 29 | 140.37 | 140.46 | 140.64 | 140.74 | 141.58 | 141.89 | 140.55 | 140.42 | 140.32 | 140.32 | | 140.27 | |
| 30 | 140.39 | 140.47 | 140.59 | 140.73 | 141.78 | 142.02 | 140.56 | 140.41 | 140.32 | 140.32 | | 140.27 | |
| 31 | | 140.57 | | 140.75 | 142.57 | | 140.54 | | 140.32 | 140.32 | | 140.27 | |
| Mean | 140.36 | 140.37 | 140.60 | 140.74 | 141.61 | 141.09 | 142.18 | 140.44 | 140.34 | 140.31 | 140.30 | 140.30 | |
| Max | 140.57 | 140.57 | 140.98 | 141.13 | 143.62 | 142.75 | 146.51 | 140.53 | 140.40 | 140.32 | 140.32 | 140.31 | 146.51 |
| Min | 140.33 | 140.26 | 140.36 | 140.48 | 140.77 | 140.58 | 140.54 | 140.35 | 140.32 | 140.29 | 140.26 | 140.27 | 140.26 |

Annual Max Momentary Gage Height 146.54 m. (MSL.) , at 17.00 Hours, on Oct 10, 2006

Zero Gage at Bottom Elevation 138.34 m. (MSL.) , River Bed 138.11 m. (MSL.)

Left Bank Elevation 150.02 m. (MSL.) ,

Right Bank Elevation 150.05 m. (MSL.) , Drainage Are 1,548 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.12 | 2.12 | 17.14 | 6.86 | 60.50 | 146.50 | 84.50 | 5.34 | 1.60 | 0.52 | 0.52 | 0.40 | | |
| 2 | 6.86 | 2.38 | 15.90 | 6.48 | 139.06 | 134.10 | 85.50 | 4.58 | 1.48 | 0.52 | 0.52 | 0.40 | | |
| 3 | 3.16 | 2.12 | 13.42 | 7.62 | 195.00 | 101.86 | 113.02 | 4.20 | 1.36 | 0.40 | 0.52 | 0.52 | | |
| 4 | 2.64 | 1.86 | 8.96 | 14.04 | 202.92 | 73.00 | 135.34 | 4.96 | 1.36 | 0.40 | 0.52 | 0.52 | | |
| 5 | 2.38 | 1.60 | 5.72 | 30.00 | 147.12 | 35.10 | 168.60 | 3.94 | 1.24 | 0.36 | 0.52 | 0.52 | | |
| 6 | 1.86 | 1.36 | 3.94 | 40.60 | 96.50 | 13.42 | 208.20 | 3.42 | 1.12 | 0.64 | 0.52 | 0.52 | | |
| 7 | 1.48 | 1.36 | 3.16 | 49.50 | 86.50 | 15.28 | 248.40 | 3.16 | 1.12 | 0.52 | 0.52 | 0.52 | | |
| 8 | 1.24 | 1.36 | 2.64 | 42.80 | 94.00 | 14.66 | 350.02 | 3.16 | 1.00 | 0.52 | 0.64 | 0.40 | | |
| 9 | 1.00 | 1.24 | 1.86 | 31.60 | 95.50 | 14.66 | 390.02 | 2.64 | 1.00 | 0.64 | 0.64 | 0.40 | | |
| 10 | 1.00 | 1.24 | 1.48 | 22.50 | 79.00 | 27.60 | 409.27 | 1.00 | 1.00 | 0.64 | 0.64 | 0.40 | | |
| 11 | 0.88 | 1.24 | 1.24 | 16.52 | 66.00 | 23.90 | 386.94 | 1.48 | 1.00 | 0.64 | 0.32 | 0.40 | | |
| 12 | 0.88 | 1.12 | 1.12 | 12.32 | 54.00 | 17.76 | 296.74 | 2.12 | 1.00 | 0.64 | 0.24 | 0.40 | | |
| 13 | 0.88 | 1.12 | 1.36 | 8.00 | 41.70 | 13.42 | 197.64 | 2.64 | 1.00 | 0.64 | 0.24 | 0.40 | | |
| 14 | 0.88 | 1.00 | 1.60 | 6.48 | 64.00 | 11.36 | 132.86 | 2.90 | 0.88 | 0.64 | 0.24 | 0.40 | | |
| 15 | 0.76 | 1.00 | 1.48 | 5.34 | 81.00 | 7.24 | 76.50 | 2.64 | 0.88 | 0.64 | 0.32 | 0.36 | | |
| 16 | 0.76 | 1.00 | 1.24 | 4.20 | 76.50 | 28.40 | 42.80 | 2.38 | 0.88 | 0.64 | 0.52 | 0.36 | | |
| 17 | 0.76 | 0.88 | 1.24 | 3.68 | 57.00 | 43.90 | 26.80 | 1.86 | 0.88 | 0.52 | 0.52 | 0.36 | | |
| 18 | 0.76 | 0.88 | 1.86 | 3.94 | 36.20 | 46.50 | 21.80 | 1.86 | 0.76 | 0.52 | 0.52 | 0.36 | | |
| 19 | 0.76 | 0.76 | 7.24 | 5.72 | 23.90 | 42.80 | 17.14 | 2.38 | 0.76 | 0.52 | 0.32 | 0.36 | | |
| 20 | 0.76 | 0.76 | 17.76 | 8.96 | 19.00 | 29.20 | 14.04 | 2.64 | 0.76 | 0.52 | 0.28 | 0.36 | | |
| 21 | 0.76 | 0.64 | 32.40 | 16.52 | 17.14 | 19.70 | 11.84 | 2.90 | 0.76 | 0.52 | 0.32 | 0.36 | | |
| 22 | 0.76 | 0.64 | 26.80 | 26.00 | 22.50 | 14.66 | 10.88 | 1.86 | 0.76 | 0.52 | 0.52 | 0.36 | | |
| 23 | 0.76 | 0.52 | 22.50 | 28.40 | 36.20 | 11.84 | 9.92 | 2.12 | 0.76 | 0.52 | 0.36 | 0.36 | | |
| 24 | 0.76 | 0.36 | 21.10 | 26.80 | 33.20 | 8.48 | 9.44 | 2.38 | 0.64 | 0.52 | 0.36 | 0.40 | | |
| 25 | 0.76 | 0.28 | 22.50 | 25.30 | 31.60 | 11.36 | 7.62 | 2.38 | 0.64 | 0.64 | 0.36 | 0.40 | | |
| 26 | 0.76 | 0.24 | 22.50 | 14.04 | 71.50 | 26.00 | 6.86 | 2.12 | 0.64 | 0.64 | 0.40 | 0.40 | | |
| 27 | 0.76 | 0.28 | 19.70 | 9.92 | 84.50 | 32.40 | 6.86 | 2.12 | 0.64 | 0.64 | 0.40 | 0.40 | | |
| 28 | 0.88 | 1.36 | 15.28 | 10.40 | 79.00 | 49.50 | 6.86 | 1.86 | 0.64 | 0.64 | 0.40 | 0.36 | | |
| 29 | 1.24 | 3.16 | 9.92 | 15.28 | 79.00 | 94.50 | 6.10 | 2.12 | 0.64 | 0.64 | | 0.28 | | |
| 30 | 1.48 | 3.42 | 7.62 | 14.66 | 89.00 | 101.24 | 6.48 | 1.86 | 0.64 | 0.64 | | 0.28 | | |
| 31 | | 6.86 | | 15.90 | 135.34 | | 5.72 | | 0.64 | 0.64 | | 0.28 | | |
| Total | 39.74 | 44.16 | 310.68 | 530.38 | 2394.38 | 1210.34 | 3494.71 | 81.02 | 28.48 | 17.64 | 12.20 | 12.24 | 8175.97 | CMSDAY |
| Mean | 1.32 | 1.42 | 10.36 | 17.11 | 77.24 | 40.34 | 112.73 | 2.70 | 0.92 | 0.57 | 0.44 | 0.39 | 22.40 | CMS |
| Max | 6.86 | 6.86 | 32.40 | 49.50 | 202.92 | 146.50 | 409.27 | 5.34 | 1.60 | 0.64 | 0.64 | 0.52 | 409.27 | CMS |
| Min | 0.76 | 0.24 | 1.12 | 3.68 | 17.14 | 7.24 | 5.72 | 1.00 | 0.64 | 0.36 | 0.24 | 0.28 | 0.24 | CMS |
| Runoff | 3.43 | 3.82 | 26.84 | 45.82 | 206.87 | 104.57 | 301.94 | 7.00 | 2.46 | 1.52 | 1.05 | 1.06 | 706.40 | MCM |

Momentary Peak 411.58 CMS, at 146.54 m. (MSL.), at 17.00 Hours, on Oct 10, 2006

Runoff Yield 14.47 Liters/Second/Square KM. Momentary Peak Yield 265.88 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Nam Yang at Ban Kut Chim Khum Mai, Kalasin (E.57)

Lat 16 - 41 - 02 N Long 104 - 05 - 06 E

**Location : on right bank at the bridge on highway Ban Kut Chim Khum Mai.**

**Ban** Kut Chim Khum Mai **Amphoe** Khao Wong **Changwat** Kalasin

| | |
|---|---|
| **Drainge Area** | 103 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +170.100 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On right bank at the footpath of the bridge. **Elevation** +177.855 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1969 - 1971, 1983 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1969 - 1970, 1984 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1969 - 1970, 1984 to date. |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The local weir situated about 100 meters from the gage site. Stage-discharge relation defined by 15 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

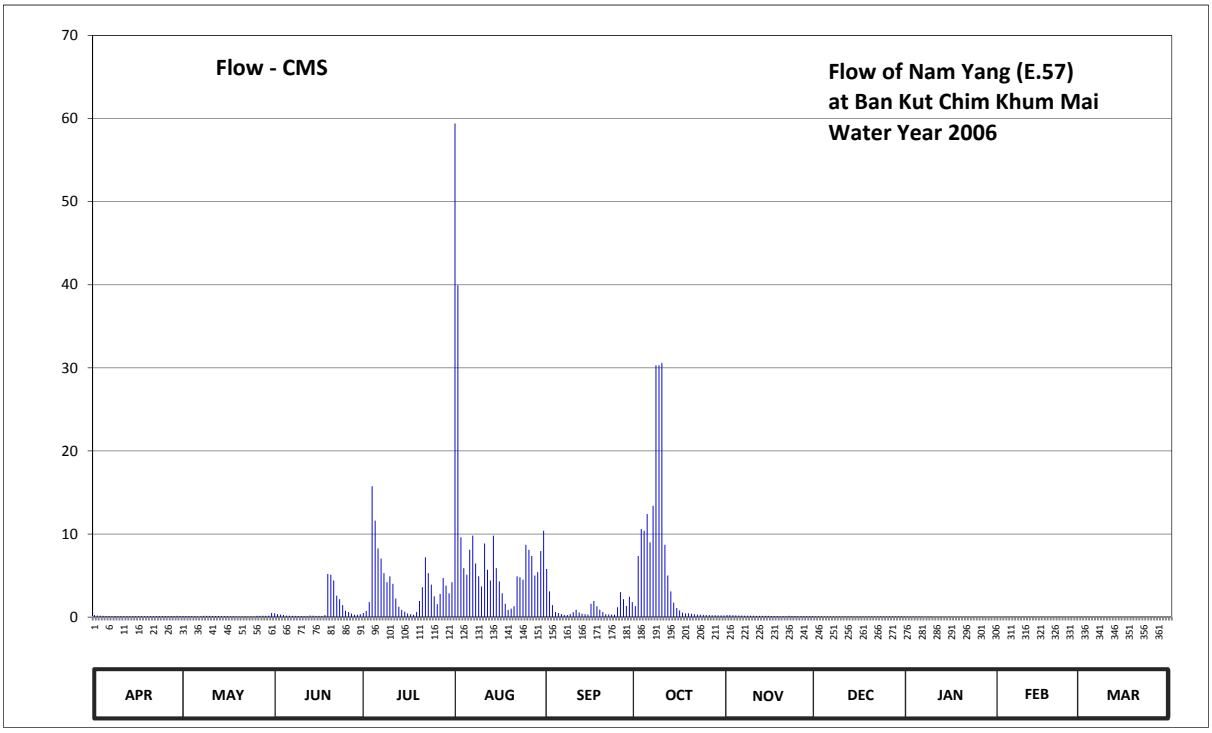
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 170.24 | 170.14 | 170.38 | 170.40 | 173.16 | 171.18 | 170.64 | 170.25 | 170.09 | 170.06 | 169.90 | 169.90 | |
| 2 | 170.20 | 170.14 | 170.33 | 170.48 | 172.61 | 170.91 | 171.29 | 170.24 | 170.09 | 170.06 | 169.90 | 169.90 | |
| 3 | 170.17 | 170.13 | 170.30 | 170.73 | 171.43 | 170.67 | 171.48 | 170.23 | 170.09 | 170.06 | 169.90 | 169.90 | |
| 4 | 170.15 | 170.12 | 170.25 | 171.73 | 171.19 | 170.44 | 171.47 | 170.21 | 170.08 | 170.05 | 169.90 | 169.90 | |
| 5 | 170.14 | 170.11 | 170.18 | 171.53 | 171.11 | 170.40 | 171.57 | 170.20 | 170.08 | 170.05 | 169.90 | 169.90 | |
| 6 | 170.14 | 170.09 | 170.17 | 171.35 | 171.34 | 170.33 | 171.40 | 170.19 | 170.07 | 170.04 | 169.90 | 169.90 | |
| 7 | 170.12 | 170.09 | 170.16 | 171.27 | 171.44 | 170.27 | 171.62 | 170.18 | 170.07 | 170.04 | 169.90 | 169.90 | |
| 8 | 170.13 | 170.15 | 170.15 | 171.13 | 171.23 | 170.24 | 172.31 | 170.18 | 170.07 | 170.03 | 169.90 | 169.90 | |
| 9 | 170.12 | 170.16 | 170.14 | 171.02 | 171.09 | 170.33 | 172.31 | 170.17 | 170.07 | 170.03 | 169.90 | 169.90 | |
| 10 | 170.12 | 170.15 | 170.14 | 171.09 | 170.97 | 170.43 | 172.32 | 170.17 | 170.07 | 170.02 | 169.90 | 169.90 | |
| 11 | 170.11 | 170.14 | 170.13 | 171.00 | 171.39 | 170.53 | 171.38 | 170.16 | 170.08 | 170.01 | 169.90 | 169.90 | |
| 12 | 170.11 | 170.14 | 170.12 | 170.79 | 171.17 | 170.42 | 171.10 | 170.16 | 170.08 | 170.01 | 169.90 | 169.90 | |
| 13 | 170.11 | 170.13 | 170.20 | 170.63 | 171.04 | 170.35 | 170.91 | 170.15 | 170.08 | 170.00 | 169.90 | 169.90 | |
| 14 | 170.12 | 170.12 | 170.18 | 170.52 | 171.44 | 170.32 | 170.72 | 170.15 | 170.07 | 169.99 | 169.90 | 169.90 | |
| 15 | 170.12 | 170.11 | 170.16 | 170.45 | 171.19 | 170.30 | 170.60 | 170.15 | 170.07 | 169.98 | 169.90 | 169.90 | |
| 16 | 170.12 | 170.11 | 170.15 | 170.37 | 171.03 | 170.70 | 170.50 | 170.14 | 170.07 | 169.97 | 169.90 | 169.90 | |
| 17 | 170.11 | 170.10 | 170.14 | 170.32 | 170.88 | 170.75 | 170.41 | 170.14 | 170.07 | 169.96 | 169.90 | 169.90 | |
| 18 | 170.11 | 170.09 | 170.24 | 170.29 | 170.70 | 170.64 | 170.37 | 170.13 | 170.08 | 169.96 | 169.90 | 169.90 | |
| 19 | 170.12 | 170.09 | 171.12 | 170.43 | 170.52 | 170.53 | 170.38 | 170.12 | 170.08 | 169.95 | 169.90 | 169.90 | |
| 20 | 170.12 | 170.08 | 171.11 | 170.75 | 170.57 | 170.44 | 170.35 | 170.12 | 170.08 | 169.95 | 169.90 | 169.90 | |
| 21 | 170.12 | 170.07 | 171.04 | 170.96 | 170.64 | 170.32 | 170.32 | 170.11 | 170.08 | 169.95 | 169.90 | 169.90 | |
| 22 | 170.12 | 170.09 | 170.84 | 171.28 | 171.09 | 170.31 | 170.30 | 170.15 | 170.08 | 169.95 | 169.90 | 169.90 | |
| 23 | 170.13 | 170.06 | 170.78 | 171.13 | 171.08 | 170.30 | 170.28 | 170.14 | 170.08 | 169.94 | 169.90 | 169.90 | |
| 24 | 170.13 | 170.07 | 170.67 | 170.99 | 171.05 | 170.29 | 170.27 | 170.13 | 170.08 | 169.94 | 169.90 | 169.90 | |
| 25 | 170.13 | 170.07 | 170.49 | 170.83 | 171.38 | 170.62 | 170.25 | 170.12 | 170.08 | 169.93 | 169.90 | 169.90 | |
| 26 | 170.14 | 170.15 | 170.44 | 170.69 | 171.34 | 170.90 | 170.24 | 170.12 | 170.08 | 169.90 | 169.90 | 169.90 | |
| 27 | 170.14 | 170.15 | 170.36 | 170.87 | 171.29 | 170.78 | 170.23 | 170.12 | 170.08 | 169.90 | 169.90 | 169.90 | |
| 28 | 170.14 | 170.17 | 170.29 | 171.07 | 171.10 | 170.65 | 170.23 | 170.11 | 170.08 | 169.90 | 169.90 | 169.90 | |
| 29 | 170.16 | 170.15 | 170.29 | 170.98 | 171.14 | 170.82 | 170.22 | 170.11 | 170.08 | 169.90 | | 169.90 | |
| 30 | 170.13 | 170.18 | 170.32 | 170.88 | 171.33 | 170.73 | 170.22 | 170.11 | 170.08 | 169.90 | | 169.90 | |
| 31 | | 170.40 | | 171.02 | 171.47 | | 170.21 | | 170.08 | 169.90 | | 169.90 | |
| Mean | 170.13 | 170.13 | 170.38 | 170.87 | 171.24 | 170.53 | 170.84 | 170.16 | 170.08 | 169.98 | 169.90 | 169.90 | |
| Max | 170.24 | 170.40 | 171.12 | 171.73 | 173.16 | 171.18 | 172.32 | 170.25 | 170.09 | 170.06 | 169.90 | 169.90 | 173.16 |
| Min | 170.11 | 170.06 | 170.12 | 170.29 | 170.52 | 170.24 | 170.21 | 170.11 | 170.07 | 169.90 | 169.90 | 169.90 | 169.90 |

Annual Max Momentary Gage Height 173.77 m. (MSL.) , at 12.00 Hours, on Aug 1, 2006

Zero Gage at Bottom Elevation 170.10 m. (MSL.) , River Bed 169.64 m. (MSL.)

Left Bank Elevation 177.59 m. (MSL.) ,

Right Bank Elevation 177.59 m. (MSL.) , Drainage Are 103 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.24 | 0.14 | 0.46 | 0.50 | 59.40 | 5.80 | 1.30 | 0.25 | 0.09 | 0.06 | 0.00 | 0.00 | | |
| 2 | 0.20 | 0.14 | 0.36 | 0.74 | 39.93 | 3.10 | 7.35 | 0.24 | 0.09 | 0.06 | 0.00 | 0.00 | | |
| 3 | 0.17 | 0.13 | 0.30 | 1.81 | 9.60 | 1.45 | 10.60 | 0.23 | 0.09 | 0.06 | 0.00 | 0.00 | | |
| 4 | 0.15 | 0.12 | 0.25 | 15.75 | 5.90 | 0.62 | 10.40 | 0.21 | 0.08 | 0.05 | 0.00 | 0.00 | | |
| 5 | 0.14 | 0.11 | 0.18 | 11.60 | 5.10 | 0.50 | 12.40 | 0.20 | 0.08 | 0.05 | 0.00 | 0.00 | | |
| 6 | 0.14 | 0.09 | 0.17 | 8.25 | 8.10 | 0.36 | 9.00 | 0.19 | 0.07 | 0.04 | 0.00 | 0.00 | | |
| 7 | 0.12 | 0.09 | 0.16 | 7.05 | 9.80 | 0.27 | 13.40 | 0.18 | 0.07 | 0.04 | 0.00 | 0.00 | | |
| 8 | 0.13 | 0.15 | 0.15 | 5.30 | 6.45 | 0.24 | 30.30 | 0.18 | 0.07 | 0.03 | 0.00 | 0.00 | | |
| 9 | 0.12 | 0.16 | 0.14 | 4.20 | 4.90 | 0.36 | 30.30 | 0.17 | 0.07 | 0.03 | 0.00 | 0.00 | | |
| 10 | 0.12 | 0.15 | 0.14 | 4.90 | 3.70 | 0.59 | 30.60 | 0.17 | 0.07 | 0.02 | 0.00 | 0.00 | | |
| 11 | 0.11 | 0.14 | 0.13 | 4.00 | 8.85 | 0.89 | 8.70 | 0.16 | 0.08 | 0.01 | 0.00 | 0.00 | | |
| 12 | 0.11 | 0.14 | 0.12 | 2.23 | 5.70 | 0.56 | 5.00 | 0.16 | 0.08 | 0.01 | 0.00 | 0.00 | | |
| 13 | 0.11 | 0.13 | 0.20 | 1.25 | 4.40 | 0.40 | 3.10 | 0.15 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.12 | 0.12 | 0.18 | 0.86 | 9.80 | 0.34 | 1.74 | 0.15 | 0.07 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.12 | 0.11 | 0.16 | 0.65 | 5.90 | 0.30 | 1.10 | 0.15 | 0.07 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.12 | 0.11 | 0.15 | 0.44 | 4.30 | 1.60 | 0.80 | 0.14 | 0.07 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.11 | 0.10 | 0.14 | 0.34 | 2.86 | 1.95 | 0.53 | 0.14 | 0.07 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.11 | 0.09 | 0.24 | 0.29 | 1.60 | 1.30 | 0.44 | 0.13 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.12 | 0.09 | 5.20 | 0.59 | 0.86 | 0.89 | 0.46 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.12 | 0.08 | 5.10 | 1.95 | 1.01 | 0.62 | 0.40 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.12 | 0.07 | 4.40 | 3.60 | 1.30 | 0.34 | 0.34 | 0.11 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.12 | 0.09 | 2.58 | 7.20 | 4.90 | 0.32 | 0.30 | 0.15 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.13 | 0.06 | 2.16 | 5.30 | 4.80 | 0.30 | 0.28 | 0.14 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.13 | 0.07 | 1.45 | 3.90 | 4.50 | 0.29 | 0.27 | 0.13 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.13 | 0.07 | 0.77 | 2.51 | 8.70 | 1.20 | 0.25 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.14 | 0.15 | 0.62 | 1.55 | 8.10 | 3.00 | 0.24 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.14 | 0.15 | 0.42 | 2.79 | 7.35 | 2.16 | 0.23 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.14 | 0.17 | 0.29 | 4.70 | 5.00 | 1.35 | 0.23 | 0.11 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.16 | 0.15 | 0.29 | 3.80 | 5.40 | 2.44 | 0.22 | 0.11 | 0.08 | 0.00 | | 0.00 | | |
| 30 | 0.13 | 0.18 | 0.34 | 2.86 | 7.95 | 1.81 | 0.22 | 0.11 | 0.08 | 0.00 | | 0.00 | | |
| 31 | | 0.50 | | 4.20 | 10.40 | | 0.21 | | 0.08 | 0.00 | | 0.00 | | |
| Total | 4.02 | 4.05 | 27.25 | 115.11 | 266.56 | 35.35 | 180.71 | 4.66 | 2.42 | 0.46 | 0.00 | 0.00 | 640.59 | CMSDAY |
| Mean | 0.13 | 0.13 | 0.91 | 3.71 | 8.60 | 1.18 | 5.83 | 0.16 | 0.08 | 0.01 | 0.00 | 0.00 | 1.76 | CMS |
| Max | 0.24 | 0.50 | 5.20 | 15.75 | 59.40 | 5.80 | 30.60 | 0.25 | 0.09 | 0.06 | 0.00 | 0.00 | 59.40 | CMS |
| Min | 0.11 | 0.06 | 0.12 | 0.29 | 0.86 | 0.24 | 0.21 | 0.11 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.35 | 0.35 | 2.35 | 9.95 | 23.03 | 3.05 | 15.61 | 0.40 | 0.21 | 0.04 | 0.00 | 0.00 | 55.35 | MCM |

Momentary Peak 83.80 CMS, at 173.77 m. (MSL.), at 12.00 Hours, on Aug 1, 2006

Runoff Yield 17.04 Liters/Second/Square KM. Momentary Peak Yield 813.59 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Phaniang at Ban Na Klang , Nong Bua Lamphu (E.64)

Lat 17 - 19 - 16 N Long 102 - 05 - 32 E

**Location : on right bank at the bridge of Udon Thani - Loei Highway.**

**Ban** Na Klang **Amphoe** Na Wang **Changwat** Nong Bua Lamphu

| | |
|---|---|
| **Drainge Area** | 362 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +254.473 m. (MSL.) |
| **Bench Mark** | B.M.- Highways Dept. |
| **Location BM** | On right bank downstream side at the footpath of the bridge. **Elevation** +261.680 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1979 to date |
| **Rating Operation** | |
| **Period of Rating** | 1979 - 1980 , 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1979 - 1980 , 1997 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The concrete weir situated downstream from the gage site.<br>Stage-discharge relation defined by 8 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

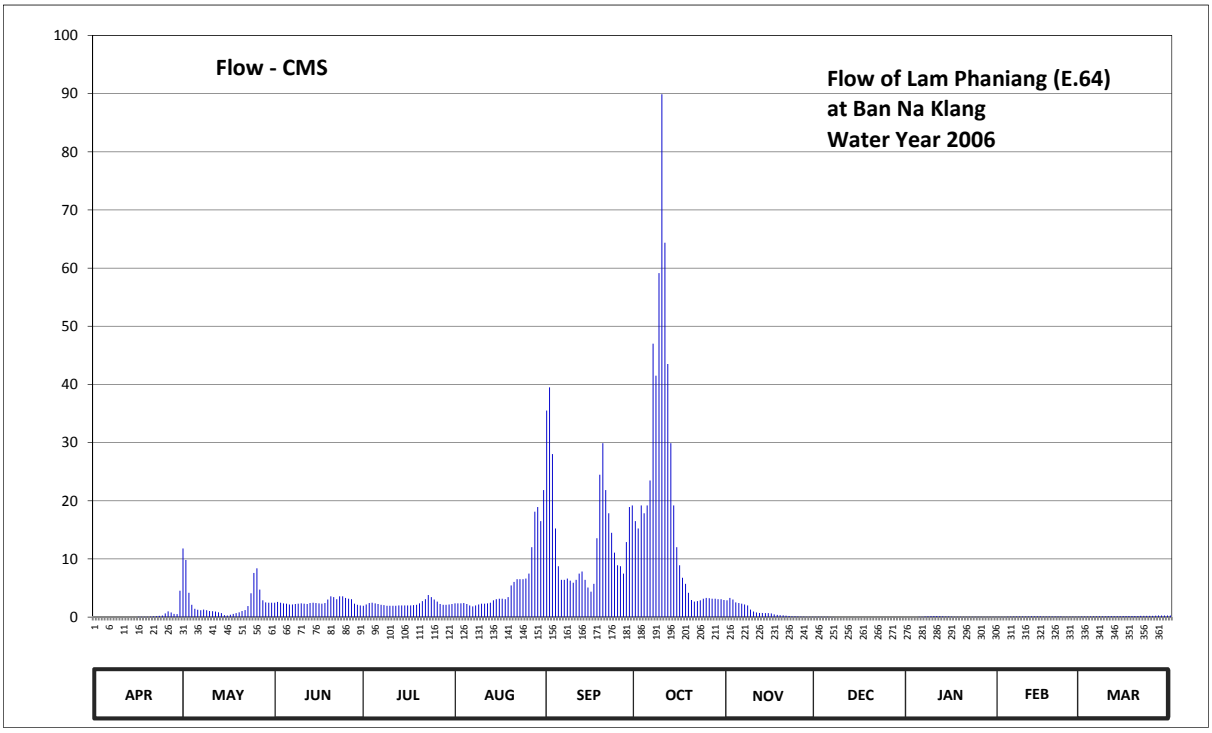
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 256.47 | 258.40 | 257.58 | 257.49 | 257.56 | 259.15 | 258.60 | 257.64 | 256.87 | 256.77 | 256.87 | 256.91 | |
| 2 | 256.46 | 258.29 | 257.60 | 257.53 | 257.56 | 259.24 | 258.55 | 257.70 | 256.87 | 256.77 | 256.87 | 256.91 | |
| 3 | 256.46 | 257.82 | 257.58 | 257.57 | 257.56 | 258.96 | 258.70 | 257.66 | 256.87 | 256.77 | 256.88 | 256.91 | |
| 4 | 256.46 | 257.52 | 257.56 | 257.58 | 257.57 | 258.55 | 258.65 | 257.59 | 256.87 | 256.79 | 256.89 | 256.91 | |
| 5 | 256.46 | 257.38 | 257.55 | 257.56 | 257.54 | 258.23 | 258.70 | 257.57 | 256.87 | 256.87 | 256.89 | 256.92 | |
| 6 | 256.46 | 257.34 | 257.53 | 257.54 | 257.50 | 258.05 | 258.83 | 257.55 | 256.86 | 256.88 | 256.90 | 256.92 | |
| 7 | 256.46 | 257.32 | 257.53 | 257.52 | 257.47 | 258.05 | 259.39 | 257.53 | 256.86 | 256.91 | 256.90 | 256.92 | |
| 8 | 256.46 | 257.35 | 257.54 | 257.51 | 257.50 | 258.07 | 259.28 | 257.50 | 256.85 | 256.92 | 256.90 | 256.92 | |
| 9 | 256.47 | 257.32 | 257.55 | 257.49 | 257.53 | 258.04 | 259.61 | 257.35 | 256.84 | 256.93 | 256.91 | 256.92 | |
| 10 | 256.54 | 257.28 | 257.56 | 257.49 | 257.55 | 258.01 | 260.04 | 257.25 | 256.84 | 256.94 | 256.91 | 256.93 | |
| 11 | 256.60 | 257.27 | 257.55 | 257.49 | 257.55 | 258.05 | 259.69 | 257.20 | 256.85 | 256.94 | 256.91 | 256.93 | |
| 12 | 256.67 | 257.25 | 257.54 | 257.49 | 257.56 | 258.14 | 259.32 | 257.17 | 256.85 | 256.93 | 256.92 | 256.93 | |
| 13 | 256.69 | 257.21 | 257.57 | 257.50 | 257.58 | 258.17 | 259.01 | 257.17 | 256.85 | 256.92 | 256.92 | 256.93 | |
| 14 | 256.77 | 257.16 | 257.58 | 257.50 | 257.64 | 258.05 | 258.70 | 257.16 | 256.84 | 256.91 | 256.92 | 256.93 | |
| 15 | 256.83 | 257.02 | 257.57 | 257.50 | 257.67 | 257.92 | 258.41 | 257.16 | 256.84 | 256.90 | 256.92 | 256.94 | |
| 16 | 256.88 | 256.98 | 257.56 | 257.50 | 257.68 | 257.84 | 258.24 | 257.14 | 256.84 | 256.89 | 256.91 | 256.94 | |
| 17 | 256.87 | 257.05 | 257.55 | 257.50 | 257.68 | 257.99 | 258.08 | 257.08 | 256.83 | 256.88 | 256.91 | 256.95 | |
| 18 | 256.87 | 257.12 | 257.57 | 257.51 | 257.67 | 258.48 | 257.99 | 257.04 | 256.83 | 256.88 | 256.91 | 256.95 | |
| 19 | 256.87 | 257.16 | 257.66 | 257.52 | 257.72 | 258.86 | 257.82 | 257.01 | 256.82 | 256.87 | 256.91 | 256.95 | |
| 20 | 256.89 | 257.21 | 257.74 | 257.56 | 257.96 | 259.01 | 257.65 | 257.00 | 256.82 | 256.87 | 256.91 | 256.95 | |
| 21 | 256.92 | 257.28 | 257.72 | 257.62 | 258.02 | 258.78 | 257.61 | 256.97 | 256.81 | 256.87 | 256.90 | 256.96 | |
| 22 | 256.93 | 257.33 | 257.67 | 257.67 | 258.06 | 258.65 | 257.62 | 256.95 | 256.81 | 256.87 | 256.90 | 256.96 | |
| 23 | 256.96 | 257.48 | 257.74 | 257.77 | 258.06 | 258.52 | 257.64 | 256.92 | 256.81 | 256.88 | 256.89 | 256.96 | |
| 24 | 256.99 | 257.81 | 257.74 | 257.72 | 258.06 | 258.36 | 257.68 | 256.92 | 256.80 | 256.88 | 256.89 | 256.96 | |
| 25 | 257.14 | 258.15 | 257.70 | 257.66 | 258.07 | 258.24 | 257.70 | 256.90 | 256.80 | 256.88 | 256.89 | 256.96 | |
| 26 | 257.26 | 258.21 | 257.68 | 257.61 | 258.14 | 258.23 | 257.69 | 256.89 | 256.80 | 256.88 | 256.89 | 256.97 | |
| 27 | 257.20 | 257.88 | 257.67 | 257.54 | 258.41 | 258.14 | 257.68 | 256.89 | 256.80 | 256.88 | 256.89 | 256.98 | |
| 28 | 257.12 | 257.64 | 257.55 | 257.52 | 258.66 | 258.45 | 257.68 | 256.87 | 256.79 | 256.87 | 256.89 | 256.98 | |
| 29 | 257.11 | 257.59 | 257.52 | 257.52 | 258.69 | 258.69 | 257.67 | 256.87 | 256.79 | 256.87 | | 256.98 | |
| 30 | 257.86 | 257.58 | 257.50 | 257.53 | 258.60 | 258.70 | 257.67 | 256.87 | 256.78 | 256.87 | | 256.98 | |
| 31 | | 257.58 | | 257.54 | 258.78 | | 257.65 | | 256.78 | 256.87 | | 256.98 | |
| Mean | 256.80 | 257.48 | 257.60 | 257.55 | 257.86 | 258.39 | 258.37 | 257.18 | 256.83 | 256.88 | 256.90 | 256.94 | |
| Max | 257.86 | 258.40 | 257.74 | 257.77 | 258.78 | 259.24 | 260.04 | 257.70 | 256.87 | 256.94 | 256.92 | 256.98 | 260.04 |
| Min | 256.46 | 256.98 | 257.50 | 257.49 | 257.47 | 257.84 | 257.61 | 256.87 | 256.78 | 256.77 | 256.87 | 256.91 | 256.46 |

Annual Max Momentary Gage Height 260.23 m. (MSL.) , at 17.00 Hours, on Oct 10, 2006

Zero Gage at Bottom Elevation 254.47 m. (MSL.) , River Bed 254.14 m. (MSL.)

Left Bank Elevation 261.46 m. (MSL.) ,

Right Bank Elevation 261.40 m. (MSL.) , Drainage Are 362 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 11.80 | 2.48 | 1.95 | 2.36 | 35.50 | 16.50 | 2.88 | 0.04 | 0.00 | 0.04 | 0.12 | | |
| 2 | 0.00 | 9.82 | 2.60 | 2.18 | 2.36 | 39.50 | 15.25 | 3.30 | 0.04 | 0.00 | 0.04 | 0.12 | | |
| 3 | 0.00 | 4.18 | 2.48 | 2.42 | 2.36 | 28.02 | 19.20 | 3.02 | 0.04 | 0.00 | 0.06 | 0.12 | | |
| 4 | 0.00 | 2.12 | 2.36 | 2.48 | 2.42 | 15.25 | 17.85 | 2.54 | 0.04 | 0.00 | 0.08 | 0.12 | | |
| 5 | 0.00 | 1.42 | 2.30 | 2.36 | 2.24 | 8.74 | 19.20 | 2.42 | 0.04 | 0.04 | 0.08 | 0.14 | | |
| 6 | 0.00 | 1.26 | 2.18 | 2.24 | 2.00 | 6.40 | 23.49 | 2.30 | 0.02 | 0.06 | 0.10 | 0.14 | | |
| 7 | 0.00 | 1.18 | 2.18 | 2.12 | 1.85 | 6.40 | 47.00 | 2.18 | 0.02 | 0.12 | 0.10 | 0.14 | | |
| 8 | 0.00 | 1.30 | 2.24 | 2.06 | 2.00 | 6.64 | 41.50 | 2.00 | 0.00 | 0.14 | 0.10 | 0.14 | | |
| 9 | 0.00 | 1.18 | 2.30 | 1.95 | 2.18 | 6.28 | 59.15 | 1.30 | 0.00 | 0.16 | 0.12 | 0.14 | | |
| 10 | 0.00 | 1.04 | 2.36 | 1.95 | 2.30 | 5.92 | 89.90 | 0.95 | 0.00 | 0.18 | 0.12 | 0.16 | | |
| 11 | 0.00 | 1.01 | 2.30 | 1.95 | 2.30 | 6.40 | 64.35 | 0.80 | 0.00 | 0.18 | 0.12 | 0.16 | | |
| 12 | 0.00 | 0.95 | 2.24 | 1.95 | 2.36 | 7.48 | 43.50 | 0.71 | 0.00 | 0.16 | 0.14 | 0.16 | | |
| 13 | 0.00 | 0.83 | 2.42 | 2.00 | 2.48 | 7.84 | 29.90 | 0.71 | 0.00 | 0.14 | 0.14 | 0.16 | | |
| 14 | 0.00 | 0.68 | 2.48 | 2.00 | 2.88 | 6.40 | 19.20 | 0.68 | 0.00 | 0.12 | 0.14 | 0.16 | | |
| 15 | 0.00 | 0.34 | 2.42 | 2.00 | 3.09 | 5.08 | 12.02 | 0.68 | 0.00 | 0.10 | 0.14 | 0.18 | | |
| 16 | 0.06 | 0.26 | 2.36 | 2.00 | 3.16 | 4.36 | 8.92 | 0.62 | 0.00 | 0.08 | 0.12 | 0.18 | | |
| 17 | 0.04 | 0.40 | 2.30 | 2.00 | 3.16 | 5.71 | 6.76 | 0.46 | 0.00 | 0.06 | 0.12 | 0.20 | | |
| 18 | 0.04 | 0.56 | 2.42 | 2.06 | 3.09 | 13.56 | 5.71 | 0.38 | 0.00 | 0.06 | 0.12 | 0.20 | | |
| 19 | 0.04 | 0.68 | 3.02 | 2.12 | 3.44 | 24.48 | 4.18 | 0.32 | 0.00 | 0.04 | 0.12 | 0.20 | | |
| 20 | 0.08 | 0.83 | 3.58 | 2.36 | 5.44 | 29.90 | 2.95 | 0.30 | 0.00 | 0.04 | 0.12 | 0.20 | | |
| 21 | 0.14 | 1.04 | 3.44 | 2.74 | 6.04 | 21.84 | 2.67 | 0.24 | 0.00 | 0.04 | 0.10 | 0.22 | | |
| 22 | 0.16 | 1.22 | 3.09 | 3.09 | 6.52 | 17.85 | 2.74 | 0.20 | 0.00 | 0.04 | 0.10 | 0.22 | | |
| 23 | 0.22 | 1.90 | 3.58 | 3.79 | 6.52 | 14.50 | 2.88 | 0.14 | 0.00 | 0.06 | 0.08 | 0.22 | | |
| 24 | 0.28 | 4.09 | 3.58 | 3.44 | 6.52 | 11.08 | 3.16 | 0.14 | 0.00 | 0.06 | 0.08 | 0.22 | | |
| 25 | 0.62 | 7.60 | 3.30 | 3.02 | 6.64 | 8.92 | 3.30 | 0.10 | 0.00 | 0.06 | 0.08 | 0.22 | | |
| 26 | 0.98 | 8.38 | 3.16 | 2.67 | 7.48 | 8.74 | 3.23 | 0.08 | 0.00 | 0.06 | 0.08 | 0.24 | | |
| 27 | 0.80 | 4.72 | 3.09 | 2.24 | 12.02 | 7.48 | 3.16 | 0.08 | 0.00 | 0.06 | 0.08 | 0.26 | | |
| 28 | 0.56 | 2.88 | 2.30 | 2.12 | 18.12 | 12.90 | 3.16 | 0.04 | 0.00 | 0.04 | 0.08 | 0.26 | | |
| 29 | 0.53 | 2.54 | 2.12 | 2.12 | 18.93 | 18.93 | 3.09 | 0.04 | 0.00 | 0.04 | | 0.26 | | |
| 30 | 4.54 | 2.48 | 2.00 | 2.18 | 16.50 | 19.20 | 3.09 | 0.04 | 0.00 | 0.04 | | 0.26 | | |
| 31 | | 2.48 | | 2.24 | 21.84 | | 2.95 | | 0.00 | 0.04 | | 0.26 | | |
| Total | 9.09 | 81.17 | 78.68 | 71.80 | 180.60 | 411.30 | 579.96 | 29.65 | 0.24 | 2.22 | 2.80 | 5.78 | 1453.29 | CMSDAY |
| Mean | 0.30 | 2.62 | 2.62 | 2.32 | 5.83 | 13.71 | 18.71 | 0.99 | 0.01 | 0.07 | 0.10 | 0.19 | 3.98 | CMS |
| Max | 4.54 | 11.80 | 3.58 | 3.79 | 21.84 | 39.50 | 89.90 | 3.30 | 0.04 | 0.18 | 0.14 | 0.26 | 89.90 | CMS |
| Min | 0.00 | 0.26 | 2.00 | 1.95 | 1.85 | 4.36 | 2.67 | 0.04 | 0.00 | 0.00 | 0.04 | 0.12 | 0.00 | CMS |
| Runoff | 0.79 | 7.01 | 6.80 | 6.20 | 15.60 | 35.54 | 50.11 | 2.56 | 0.02 | 0.19 | 0.24 | 0.50 | 125.56 | MCM |

Momentary Peak 106.05 CMS, at 260.23 m. (MSL.), at 17.00 Hours, on Oct 10, 2006

Runoff Yield 11.00 Liters/Second/Square KM. Momentary Peak Yield 292.96 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Pao at Ban Tha Hai, Udon Thani (E.65)

Lat 16 - 57 - 02 N Long 103 - 10 - 16 E

**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Hai | **Amphoe** Si That | **Changwat** Udon Thani |
| **Drainge Area** | 2,149 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +158.990 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On left bank at the abutment of the bridge. | | **Elevation** +169.686 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1983 to date. | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1983 to date. | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1983 to date. | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Flow effected by Lam Pao Dam. | | |
| | Stage-discharge relation defined by 56 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

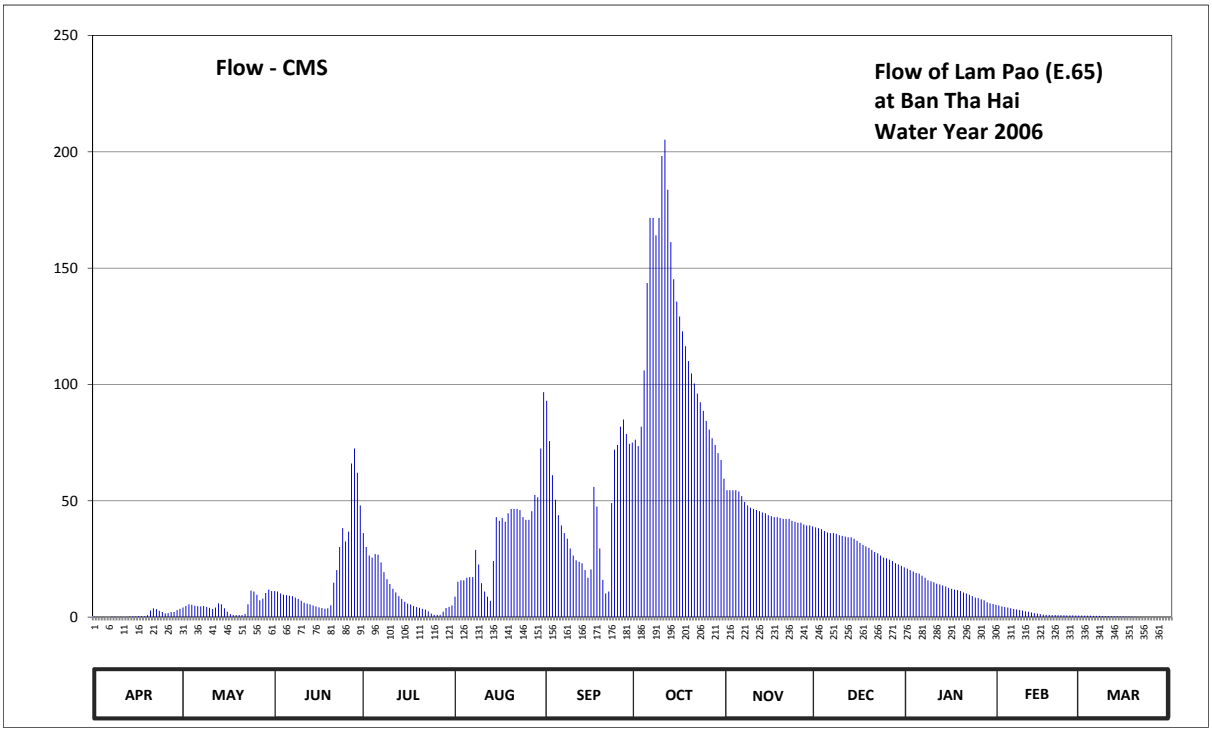
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 160.61 | 161.81 | 162.26 | 163.17 | 162.14 | 164.29 | 164.02 | 163.59 | 163.24 | 162.66 | 161.90 | 161.15 | |
| 2 | 160.61 | 161.88 | 162.25 | 162.97 | 162.46 | 164.01 | 163.97 | 163.59 | 163.23 | 162.64 | 161.86 | 161.13 | |
| 3 | 160.59 | 161.95 | 162.21 | 162.85 | 162.49 | 163.72 | 164.11 | 163.59 | 163.22 | 162.62 | 161.83 | 161.11 | |
| 4 | 160.56 | 161.93 | 162.18 | 162.82 | 162.49 | 163.51 | 164.50 | 163.59 | 163.20 | 162.60 | 161.81 | 161.08 | |
| 5 | 160.52 | 161.89 | 162.17 | 162.87 | 162.53 | 163.37 | 164.97 | 163.58 | 163.18 | 162.59 | 161.78 | 161.06 | |
| 6 | 160.49 | 161.87 | 162.16 | 162.86 | 162.54 | 163.26 | 165.26 | 163.54 | 163.17 | 162.56 | 161.75 | 161.04 | |
| 7 | 160.73 | 161.86 | 162.15 | 162.75 | 162.54 | 163.17 | 165.26 | 163.49 | 163.17 | 162.53 | 161.73 | 161.03 | |
| 8 | 160.71 | 161.88 | 162.12 | 162.61 | 162.93 | 163.09 | 165.19 | 163.46 | 163.16 | 162.49 | 161.71 | 160.98 | |
| 9 | 160.66 | 161.84 | 162.09 | 162.51 | 162.72 | 162.95 | 165.26 | 163.44 | 163.14 | 162.47 | 161.68 | 160.94 | |
| 10 | 160.60 | 161.80 | 162.05 | 162.41 | 162.43 | 162.85 | 165.48 | 163.43 | 163.13 | 162.45 | 161.65 | 160.91 | |
| 11 | 160.57 | 161.75 | 162.01 | 162.31 | 162.25 | 162.78 | 165.53 | 163.42 | 163.12 | 162.42 | 161.63 | 160.87 | |
| 12 | 160.63 | 161.81 | 161.98 | 162.23 | 162.14 | 162.76 | 165.37 | 163.41 | 163.11 | 162.40 | 161.60 | 160.84 | |
| 13 | 160.76 | 161.99 | 161.95 | 162.15 | 162.05 | 162.74 | 165.16 | 163.40 | 163.11 | 162.38 | 161.57 | 160.82 | |
| 14 | 160.77 | 161.95 | 161.90 | 162.09 | 162.77 | 162.64 | 164.99 | 163.39 | 163.09 | 162.36 | 161.55 | 160.78 | |
| 15 | 160.79 | 161.78 | 161.86 | 162.03 | 163.35 | 162.53 | 164.87 | 163.37 | 163.06 | 162.33 | 161.53 | 160.76 | |
| 16 | 160.95 | 161.63 | 161.82 | 161.98 | 163.31 | 162.65 | 164.79 | 163.36 | 163.03 | 162.31 | 161.50 | 160.73 | |
| 17 | 160.94 | 161.53 | 161.79 | 161.94 | 163.34 | 163.62 | 164.71 | 163.35 | 163.00 | 162.29 | 161.46 | 160.70 | |
| 18 | 160.87 | 161.46 | 161.76 | 161.88 | 163.30 | 163.45 | 164.63 | 163.35 | 162.98 | 162.28 | 161.43 | 160.69 | |
| 19 | 161.30 | 161.42 | 161.78 | 161.83 | 163.39 | 162.95 | 164.55 | 163.34 | 162.96 | 162.26 | 161.40 | 160.63 | |
| 20 | 161.68 | 161.40 | 161.91 | 161.80 | 163.43 | 162.50 | 164.48 | 163.33 | 162.93 | 162.23 | 161.38 | 160.59 | |
| 21 | 161.78 | 161.42 | 162.44 | 161.76 | 163.43 | 162.21 | 164.41 | 163.33 | 162.90 | 162.21 | 161.35 | 160.55 | |
| 22 | 161.74 | 161.54 | 162.64 | 161.72 | 163.43 | 162.25 | 164.34 | 163.33 | 162.88 | 162.18 | 161.33 | 160.51 | |
| 23 | 161.67 | 161.95 | 162.97 | 161.65 | 163.42 | 163.48 | 164.28 | 163.31 | 162.85 | 162.15 | 161.30 | 160.49 | |
| 24 | 161.62 | 162.27 | 163.23 | 161.55 | 163.35 | 163.94 | 164.22 | 163.30 | 162.82 | 162.12 | 161.27 | 160.46 | |
| 25 | 161.56 | 162.25 | 163.05 | 161.47 | 163.32 | 163.98 | 164.15 | 163.29 | 162.81 | 162.11 | 161.24 | 160.43 | |
| 26 | 161.57 | 162.18 | 163.19 | 161.44 | 163.32 | 164.11 | 164.09 | 163.29 | 162.79 | 162.08 | 161.22 | 160.40 | |
| 27 | 161.62 | 162.06 | 163.82 | 161.45 | 163.41 | 164.16 | 164.03 | 163.27 | 162.77 | 162.06 | 161.20 | 160.37 | |
| 28 | 161.62 | 162.10 | 163.95 | 161.63 | 163.55 | 164.06 | 163.98 | 163.26 | 162.74 | 162.02 | 161.17 | 160.35 | |
| 29 | 161.70 | 162.22 | 163.74 | 161.79 | 163.53 | 163.99 | 163.91 | 163.26 | 162.72 | 161.99 | | 160.34 | |
| 30 | 161.76 | 162.29 | 163.46 | 161.84 | 163.95 | 164.00 | 163.85 | 163.25 | 162.70 | 161.96 | | 160.50 | |
| 31 | | 162.26 | | 161.90 | 164.35 | | 163.69 | | 162.68 | 161.93 | | 160.44 | |
| Mean | 161.07 | 161.87 | 162.43 | 162.14 | 163.02 | 163.30 | 164.58 | 163.40 | 163.00 | 162.31 | 161.53 | 160.73 | |
| Max | 161.78 | 162.29 | 163.95 | 163.17 | 164.35 | 164.29 | 165.53 | 163.59 | 163.24 | 162.66 | 161.90 | 161.15 | 165.53 |
| Min | 160.49 | 161.40 | 161.76 | 161.44 | 162.05 | 162.21 | 163.69 | 163.25 | 162.68 | 161.93 | 161.17 | 160.34 | 160.34 |

Annual Max Momentary Gage Height 165.56 m. (MSL.) , at 06.00 Hours, on Oct 11, 2006

Zero Gage at Bottom Elevation 158.99 m. (MSL.) , River Bed 159.12 m. (MSL.)

Left Bank Elevation 169.45 m. (MSL.) ,

Right Bank Elevation 169.42 m. (MSL.) , Drainage Are 2,149 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.11 | 4.10 | 11.20 | 36.10 | 8.80 | 92.98 | 76.24 | 54.50 | 38.60 | 20.80 | 5.00 | 0.65 | | |
| 2 | 0.11 | 4.80 | 11.00 | 30.10 | 15.20 | 75.62 | 73.50 | 54.50 | 38.20 | 20.20 | 4.60 | 0.63 | | |
| 3 | 0.09 | 5.50 | 10.20 | 26.50 | 15.80 | 61.00 | 81.82 | 54.50 | 37.80 | 19.60 | 4.30 | 0.61 | | |
| 4 | 0.06 | 5.30 | 9.60 | 25.60 | 15.80 | 50.50 | 106.00 | 54.50 | 37.00 | 19.00 | 4.10 | 0.58 | | |
| 5 | 0.02 | 4.90 | 9.40 | 27.10 | 16.90 | 43.80 | 143.60 | 54.00 | 36.40 | 18.70 | 3.80 | 0.56 | | |
| 6 | 0.00 | 4.70 | 9.20 | 26.80 | 17.20 | 39.40 | 171.60 | 52.00 | 36.10 | 17.80 | 3.50 | 0.54 | | |
| 7 | 0.23 | 4.60 | 9.00 | 23.50 | 17.20 | 36.10 | 171.60 | 49.50 | 36.10 | 16.90 | 3.30 | 0.53 | | |
| 8 | 0.21 | 4.80 | 8.40 | 19.30 | 28.90 | 33.70 | 164.05 | 48.00 | 35.80 | 15.80 | 3.10 | 0.48 | | |
| 9 | 0.16 | 4.40 | 7.80 | 16.30 | 22.60 | 29.50 | 171.60 | 47.00 | 35.20 | 15.40 | 2.80 | 0.44 | | |
| 10 | 0.10 | 4.00 | 7.00 | 14.20 | 14.60 | 26.50 | 198.20 | 46.50 | 34.90 | 15.00 | 2.50 | 0.41 | | |
| 11 | 0.07 | 3.50 | 6.20 | 12.20 | 11.00 | 24.40 | 205.20 | 46.00 | 34.60 | 14.40 | 2.30 | 0.37 | | |
| 12 | 0.13 | 4.10 | 5.80 | 10.60 | 8.80 | 23.80 | 183.70 | 45.50 | 34.30 | 14.00 | 2.00 | 0.34 | | |
| 13 | 0.26 | 5.90 | 5.50 | 9.00 | 7.00 | 23.20 | 161.20 | 45.00 | 34.30 | 13.60 | 1.70 | 0.32 | | |
| 14 | 0.27 | 5.50 | 5.00 | 7.80 | 24.10 | 20.20 | 145.20 | 44.60 | 33.70 | 13.20 | 1.50 | 0.28 | | |
| 15 | 0.29 | 3.80 | 4.60 | 6.60 | 43.00 | 16.90 | 135.60 | 43.80 | 32.80 | 12.60 | 1.30 | 0.26 | | |
| 16 | 0.45 | 2.30 | 4.20 | 5.80 | 41.40 | 20.50 | 129.20 | 43.40 | 31.90 | 12.20 | 1.00 | 0.23 | | |
| 17 | 0.44 | 1.30 | 3.90 | 5.40 | 42.60 | 56.00 | 122.80 | 43.00 | 31.00 | 11.80 | 0.96 | 0.20 | | |
| 18 | 0.37 | 0.96 | 3.60 | 4.80 | 41.00 | 47.50 | 116.40 | 43.00 | 30.40 | 11.60 | 0.93 | 0.19 | | |
| 19 | 0.80 | 0.92 | 3.80 | 4.30 | 44.60 | 29.50 | 110.00 | 42.60 | 29.80 | 11.20 | 0.90 | 0.13 | | |
| 20 | 2.80 | 0.90 | 5.10 | 4.00 | 46.50 | 16.00 | 104.76 | 42.20 | 28.90 | 10.60 | 0.88 | 0.09 | | |
| 21 | 3.80 | 0.92 | 14.80 | 3.60 | 46.50 | 10.20 | 100.42 | 42.20 | 28.00 | 10.20 | 0.85 | 0.05 | | |
| 22 | 3.40 | 1.40 | 20.20 | 3.20 | 46.50 | 11.00 | 96.08 | 42.20 | 27.40 | 9.60 | 0.83 | 0.01 | | |
| 23 | 2.70 | 5.50 | 30.10 | 2.50 | 46.00 | 49.00 | 92.36 | 41.40 | 26.50 | 9.00 | 0.80 | 0.00 | | |
| 24 | 2.20 | 11.40 | 38.20 | 1.50 | 43.00 | 72.00 | 88.64 | 41.00 | 25.60 | 8.40 | 0.77 | 0.00 | | |
| 25 | 1.60 | 11.00 | 32.50 | 0.97 | 41.80 | 74.00 | 84.30 | 40.60 | 25.30 | 8.20 | 0.74 | 0.00 | | |
| 26 | 1.70 | 9.60 | 36.70 | 0.94 | 41.80 | 81.82 | 80.58 | 40.60 | 24.70 | 7.60 | 0.72 | 0.00 | | |
| 27 | 2.20 | 7.20 | 66.00 | 0.95 | 45.50 | 84.92 | 76.86 | 39.80 | 24.10 | 7.20 | 0.70 | 0.00 | | |
| 28 | 2.20 | 8.00 | 72.50 | 2.30 | 52.50 | 78.72 | 74.00 | 39.40 | 23.20 | 6.40 | 0.67 | 0.00 | | |
| 29 | 3.00 | 10.40 | 62.00 | 3.90 | 51.50 | 74.50 | 70.50 | 39.40 | 22.60 | 5.90 | | 0.00 | | |
| 30 | 3.60 | 11.80 | 48.00 | 4.40 | 72.50 | 75.00 | 67.50 | 39.00 | 22.00 | 5.60 | | 0.00 | | |
| 31 | | 11.20 | | 5.00 | 96.70 | | 59.50 | | 21.40 | 5.30 | | 0.00 | | |
| Total | 33.37 | 164.70 | 561.50 | 345.26 | 1067.30 | 1378.26 | 3663.01 | 1359.70 | 958.60 | 387.80 | 56.55 | 7.90 | 9983.95 | CMSDAY |
| Mean | 1.11 | 5.31 | 18.72 | 11.14 | 34.43 | 45.94 | 118.16 | 45.32 | 30.92 | 12.51 | 2.02 | 0.25 | 27.35 | CMS |
| Max | 3.80 | 11.80 | 72.50 | 36.10 | 96.70 | 92.98 | 205.20 | 54.50 | 38.60 | 20.80 | 5.00 | 0.65 | 205.20 | CMS |
| Min | 0.00 | 0.90 | 3.60 | 0.94 | 7.00 | 10.20 | 59.50 | 39.00 | 21.40 | 5.30 | 0.67 | 0.00 | 0.00 | CMS |
| Runoff | 2.88 | 14.23 | 48.51 | 29.83 | 92.21 | 119.08 | 316.48 | 117.48 | 82.82 | 33.51 | 4.89 | 0.68 | 862.61 | MCM |

Momentary Peak 209.40 CMS, at 165.56 m. (MSL.), at 06.00 Hours, on Oct 11, 2006

Runoff Yield 12.73 Liters/Second/Square KM. Momentary Peak Yield 97.44 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Muang Lat , Roi Et (E.66A)

Lat 16 - 12 - 08 N Long 103 - 31 - 41 E

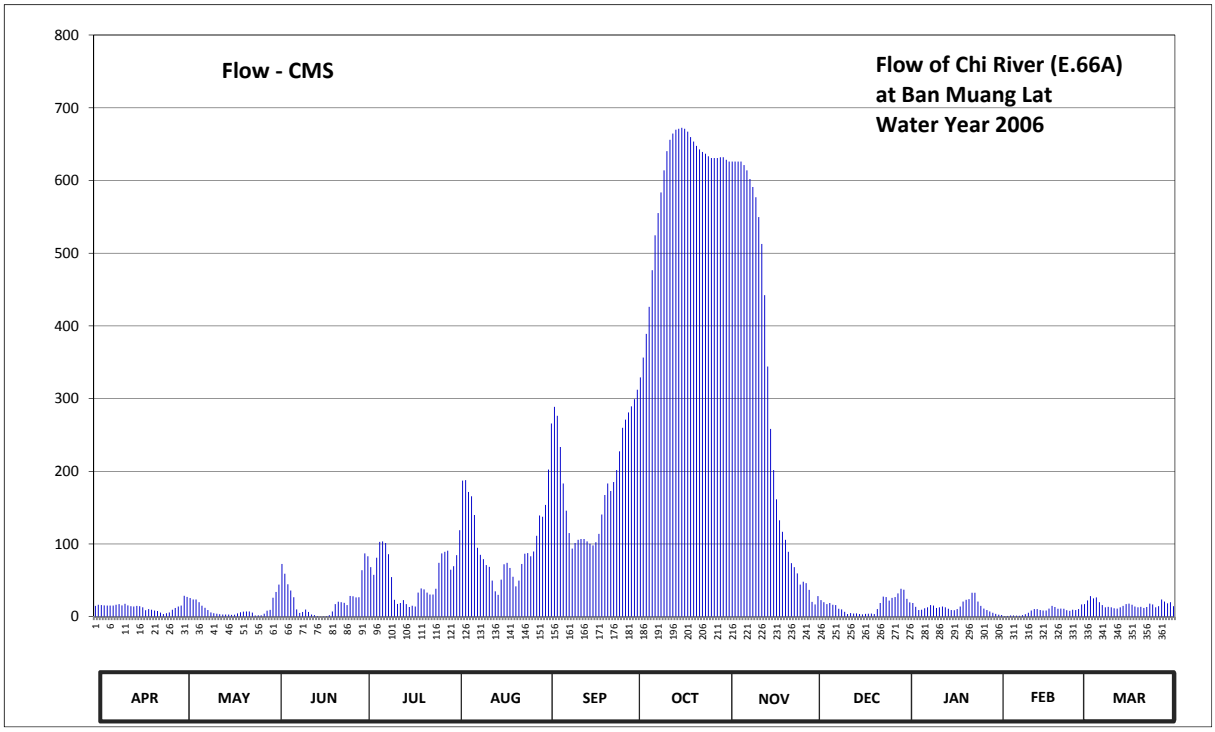
**Location : on right bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Muang Lat | **Amphoe** Chang Han | **Changwat** Roi Et |
| **Drainge Area** | 31,879 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +126.900 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank at the abutment of the bridge. | | **Elevation** +143.406 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 130.17 | 130.17 | 130.30 | 131.40 | 131.35 | 133.34 | 134.87 | 138.10 | 130.47 | 130.29 | 129.63 | 130.23 | |
| 2 | 130.21 | 130.13 | 130.54 | 131.32 | 131.98 | 134.26 | 135.08 | 138.10 | 130.37 | 130.27 | 129.42 | 130.36 | |
| 3 | 130.20 | 130.09 | 131.11 | 131.02 | 133.11 | 134.56 | 135.39 | 138.10 | 130.30 | 130.14 | 129.46 | 130.47 | |
| 4 | 130.19 | 130.04 | 130.84 | 130.81 | 133.12 | 134.40 | 135.76 | 138.10 | 130.23 | 130.03 | 129.56 | 130.42 | |
| 5 | 130.18 | 130.04 | 130.55 | 131.28 | 132.86 | 133.81 | 136.17 | 138.10 | 130.27 | 130.04 | 129.57 | 130.44 | |
| 6 | 130.18 | 129.93 | 130.35 | 131.69 | 132.76 | 133.05 | 136.70 | 138.06 | 130.21 | 130.09 | 129.54 | 130.30 | |
| 7 | 130.18 | 129.77 | 130.12 | 131.70 | 132.33 | 132.43 | 137.18 | 138.00 | 130.20 | 130.12 | 129.53 | 130.20 | |
| 8 | 130.21 | 129.66 | 129.55 | 131.66 | 131.54 | 131.91 | 137.46 | 137.89 | 130.07 | 130.20 | 129.61 | 130.12 | |
| 9 | 130.23 | 129.51 | 129.31 | 131.38 | 131.36 | 131.52 | 137.72 | 137.79 | 130.05 | 130.18 | 129.74 | 130.14 | |
| 10 | 130.19 | 129.34 | 129.37 | 130.75 | 131.24 | 131.66 | 138.00 | 137.66 | 129.93 | 130.10 | 129.87 | 130.12 | |
| 11 | 130.24 | 129.29 | 129.54 | 130.03 | 131.08 | 131.74 | 138.22 | 137.41 | 129.77 | 130.12 | 130.01 | 130.09 | |
| 12 | 130.19 | 129.25 | 129.37 | 129.85 | 131.03 | 131.76 | 138.35 | 137.07 | 129.85 | 130.15 | 130.06 | 130.08 | |
| 13 | 130.16 | 129.22 | 129.19 | 129.89 | 130.65 | 131.76 | 138.42 | 136.34 | 129.81 | 130.12 | 130.06 | 130.12 | |
| 14 | 130.15 | 129.20 | 129.10 | 130.02 | 130.32 | 131.70 | 138.46 | 135.25 | 129.83 | 130.07 | 130.03 | 130.17 | |
| 15 | 130.17 | 129.19 | 128.97 | 129.84 | 130.20 | 131.64 | 138.47 | 134.16 | 129.76 | 130.03 | 130.01 | 130.23 | |
| 16 | 130.16 | 129.20 | 128.87 | 129.71 | 130.68 | 131.60 | 138.48 | 133.33 | 129.72 | 130.02 | 130.01 | 130.25 | |
| 17 | 130.12 | 129.16 | 128.90 | 129.77 | 131.10 | 131.68 | 138.47 | 132.69 | 129.78 | 130.06 | 130.08 | 130.21 | |
| 18 | 130.02 | 129.18 | 128.97 | 129.73 | 131.14 | 131.89 | 138.44 | 132.21 | 129.80 | 130.15 | 130.17 | 130.15 | |
| 19 | 130.06 | 129.28 | 129.11 | 130.28 | 131.00 | 132.34 | 138.38 | 131.94 | 129.81 | 130.32 | 130.13 | 130.12 | |
| 20 | 130.04 | 129.35 | 129.41 | 130.42 | 130.76 | 132.79 | 138.33 | 131.74 | 129.76 | 130.38 | 130.07 | 130.14 | |
| 21 | 130.01 | 129.40 | 129.84 | 130.39 | 130.49 | 133.05 | 138.28 | 131.44 | 130.06 | 130.40 | 130.08 | 130.10 | |
| 22 | 129.99 | 129.41 | 129.95 | 130.28 | 130.65 | 132.88 | 138.24 | 131.13 | 130.27 | 130.54 | 130.07 | 130.13 | |
| 23 | 129.88 | 129.41 | 129.93 | 130.21 | 131.11 | 133.08 | 138.21 | 131.02 | 130.46 | 130.54 | 130.02 | 130.25 | |
| 24 | 129.76 | 129.33 | 129.90 | 130.21 | 131.39 | 133.33 | 138.19 | 130.85 | 130.45 | 130.32 | 130.00 | 130.22 | |
| 25 | 129.84 | 129.07 | 129.80 | 130.41 | 131.41 | 133.72 | 138.16 | 130.54 | 130.35 | 130.17 | 130.04 | 130.12 | |
| 26 | 129.89 | 129.09 | 130.16 | 131.14 | 131.32 | 134.18 | 138.14 | 130.62 | 130.43 | 130.08 | 130.03 | 130.16 | |
| 27 | 130.04 | 129.08 | 130.15 | 131.40 | 131.45 | 134.33 | 138.14 | 130.58 | 130.45 | 130.03 | 130.06 | 130.39 | |
| 28 | 130.10 | 129.25 | 130.11 | 131.44 | 131.84 | 134.46 | 138.14 | 130.37 | 130.53 | 129.96 | 130.22 | 130.32 | |
| 29 | 130.15 | 129.46 | 130.12 | 131.47 | 132.32 | 134.57 | 138.15 | 130.31 | 130.62 | 129.87 | | 130.26 | |
| 30 | 130.18 | 129.52 | 130.94 | 130.95 | 132.29 | 134.70 | 138.15 | 130.22 | 130.60 | 129.79 | | 130.30 | |
| 31 | | 130.10 | | 131.05 | 132.56 | | 138.12 | | 130.41 | 129.67 | | 130.16 | |
| Mean | 130.10 | 129.49 | 129.81 | 130.69 | 131.50 | 132.94 | 137.69 | 134.30 | 130.15 | 130.14 | 129.90 | 130.22 | |
| Max | 130.24 | 130.17 | 131.11 | 131.70 | 133.12 | 134.70 | 138.48 | 138.10 | 130.62 | 130.54 | 130.22 | 130.47 | 138.48 |
| Min | 129.76 | 129.07 | 128.87 | 129.71 | 130.20 | 131.52 | 134.87 | 130.22 | 129.72 | 129.67 | 129.42 | 130.08 | 128.87 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 138.48 | m. (MSL.) , | at 18.00 Hours, on Oct 15, 2006 | | |
| Zero Gage at Bottom Elevation | 126.90 | m. (MSL.) , | River Bed | 126.70 | m. (MSL.) |
| Left Bank Elevation | 141.57 | m. (MSL.) , | | | |
| Right Bank Elevation | 143.45 | m. (MSL.) , | Drainage Are | 31,879 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.80 | 28.80 | 34.00 | 87.00 | 84.50 | 202.44 | 312.12 | 626.00 | 28.20 | 19.60 | 2.30 | 17.20 | | |
| 2 | 16.40 | 27.20 | 44.00 | 83.00 | 118.90 | 265.76 | 329.04 | 626.00 | 22.80 | 18.80 | 0.84 | 22.40 | | |
| 3 | 16.00 | 25.60 | 72.50 | 68.00 | 187.26 | 288.56 | 356.32 | 626.00 | 20.00 | 13.60 | 0.92 | 28.20 | | |
| 4 | 15.60 | 23.60 | 59.00 | 57.50 | 187.92 | 276.40 | 388.88 | 626.00 | 17.20 | 9.20 | 1.60 | 25.20 | | |
| 5 | 15.20 | 23.60 | 44.50 | 81.00 | 171.60 | 233.46 | 426.15 | 626.00 | 18.80 | 9.60 | 1.70 | 26.40 | | |
| 6 | 15.20 | 19.90 | 36.00 | 102.95 | 165.60 | 183.30 | 476.50 | 621.20 | 16.40 | 11.60 | 1.40 | 20.00 | | |
| 7 | 15.20 | 15.10 | 26.80 | 103.50 | 139.80 | 145.80 | 524.62 | 614.00 | 16.00 | 12.80 | 1.30 | 16.00 | | |
| 8 | 16.40 | 12.20 | 10.00 | 101.30 | 94.70 | 115.05 | 555.14 | 602.01 | 10.80 | 16.00 | 2.10 | 12.80 | | |
| 9 | 17.20 | 9.20 | 5.20 | 86.00 | 85.00 | 93.60 | 583.48 | 591.11 | 10.00 | 15.20 | 3.40 | 13.60 | | |
| 10 | 15.60 | 5.80 | 6.40 | 54.50 | 79.00 | 101.30 | 614.00 | 576.94 | 6.60 | 12.00 | 5.40 | 12.80 | | |
| 11 | 17.60 | 4.80 | 9.80 | 23.20 | 71.00 | 105.70 | 640.40 | 549.69 | 3.70 | 12.80 | 8.40 | 11.60 | | |
| 12 | 15.60 | 4.00 | 6.40 | 17.50 | 68.50 | 106.80 | 656.00 | 512.63 | 5.00 | 14.00 | 10.40 | 11.20 | | |
| 13 | 14.40 | 3.40 | 2.90 | 18.70 | 49.50 | 106.80 | 664.60 | 442.30 | 4.20 | 12.80 | 10.40 | 12.80 | | |
| 14 | 14.00 | 3.00 | 2.00 | 22.80 | 34.80 | 103.50 | 669.80 | 344.00 | 4.60 | 10.80 | 9.20 | 14.80 | | |
| 15 | 14.80 | 2.90 | 0.85 | 17.20 | 30.00 | 100.20 | 671.10 | 258.16 | 3.60 | 9.20 | 8.40 | 17.20 | | |
| 16 | 14.40 | 3.00 | 0.41 | 13.30 | 51.00 | 98.00 | 672.40 | 201.78 | 3.20 | 8.80 | 8.40 | 18.00 | | |
| 17 | 12.80 | 2.60 | 0.50 | 15.10 | 72.00 | 102.40 | 671.10 | 161.40 | 3.80 | 10.40 | 11.20 | 16.40 | | |
| 18 | 8.80 | 2.80 | 0.85 | 13.90 | 74.00 | 113.95 | 667.20 | 132.60 | 4.00 | 14.00 | 14.80 | 14.00 | | |
| 19 | 10.40 | 4.60 | 2.10 | 33.20 | 67.00 | 140.40 | 659.60 | 116.70 | 4.20 | 20.80 | 13.20 | 12.80 | | |
| 20 | 9.60 | 6.00 | 7.20 | 38.80 | 55.00 | 167.40 | 653.60 | 105.70 | 3.60 | 23.20 | 10.80 | 13.60 | | |
| 21 | 8.40 | 7.00 | 17.20 | 37.60 | 41.60 | 183.30 | 647.60 | 89.20 | 10.40 | 24.00 | 11.20 | 12.00 | | |
| 22 | 7.80 | 7.20 | 20.50 | 33.20 | 49.50 | 172.80 | 642.80 | 73.50 | 18.80 | 32.80 | 10.80 | 13.20 | | |
| 23 | 5.60 | 7.20 | 19.90 | 30.40 | 72.50 | 185.28 | 639.20 | 68.00 | 27.60 | 32.80 | 8.80 | 18.00 | | |
| 24 | 3.60 | 5.60 | 19.00 | 30.40 | 86.50 | 201.78 | 636.80 | 59.50 | 27.00 | 20.80 | 8.00 | 16.80 | | |
| 25 | 4.80 | 1.70 | 16.00 | 38.40 | 87.55 | 227.52 | 633.20 | 44.00 | 22.00 | 14.80 | 9.60 | 12.80 | | |
| 26 | 5.80 | 1.90 | 28.40 | 74.00 | 83.00 | 259.68 | 630.80 | 48.00 | 25.80 | 11.20 | 9.20 | 14.40 | | |
| 27 | 9.60 | 1.80 | 28.00 | 87.00 | 89.75 | 271.08 | 630.80 | 46.00 | 27.00 | 9.20 | 10.40 | 23.60 | | |
| 28 | 12.00 | 4.00 | 26.40 | 89.20 | 111.20 | 280.96 | 630.80 | 36.80 | 32.10 | 7.20 | 16.80 | 20.80 | | |
| 29 | 14.00 | 8.20 | 26.80 | 90.85 | 139.20 | 289.32 | 632.00 | 20.40 | 38.40 | 5.40 | | 18.40 | | |
| 30 | 15.20 | 9.40 | 64.00 | 64.50 | 137.40 | 299.20 | 632.00 | 16.80 | 37.00 | 3.90 | | 20.00 | | |
| 31 | | 26.00 | | 69.50 | 153.60 | | 628.40 | | 24.60 | 2.70 | | 14.40 | | |
| Total | 376.80 | 308.10 | 637.61 | 1683.50 | 2938.88 | 5421.74 | 18176.45 | 9462.42 | 497.40 | 440.00 | 210.96 | 521.40 | 40675.26 | CMSDAY |
| Mean | 12.56 | 9.94 | 21.25 | 54.31 | 94.80 | 180.72 | 586.34 | 315.41 | 16.05 | 14.19 | 7.53 | 16.82 | 111.44 | CMS |
| Max | 17.60 | 28.80 | 72.50 | 103.50 | 187.92 | 299.20 | 672.40 | 626.00 | 38.40 | 32.80 | 16.80 | 28.20 | 672.40 | CMS |
| Min | 3.60 | 1.70 | 0.41 | 13.30 | 30.00 | 93.60 | 312.12 | 16.80 | 3.20 | 2.70 | 0.84 | 11.20 | 0.41 | CMS |
| Runoff | 32.56 | 26.62 | 55.09 | 145.45 | 253.92 | 468.44 | 1570.45 | 817.55 | 42.98 | 38.02 | 18.23 | 45.05 | 3514.34 | MCM |

Momentary Peak 672.40 CMS, at 138.48 m. (MSL.), at 18.00 Hours, on Oct 15, 2006

Runoff Yield 3.50 Liters/Second/Square KM. Momentary Peak Yield 21.09 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Phaniang at Ban Khong Po , Nong Bua Lamphu (E.68A)

Lat 17 - 04 - 47 N Long 102 - 27 - 11 E

**Location : on left bank at the bridge of Nong Bua Lamphu - Amphoe Non Sang Highway.**

**Ban** Khong Po **Amphoe** Mueang **Changwat** Nong Bua Lamphu

| | |
|---|---|
| **Drainge Area** | 1,364 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +194.730 m. (MSL.) |
| **Bench Mark** | B.M.- Highways Dept. |
| **Location BM** | On left bank downstream site at the footpath of the bridge. **Elevation** +201.740 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1997 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. The concrete weir situated downstream from the gage site. Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

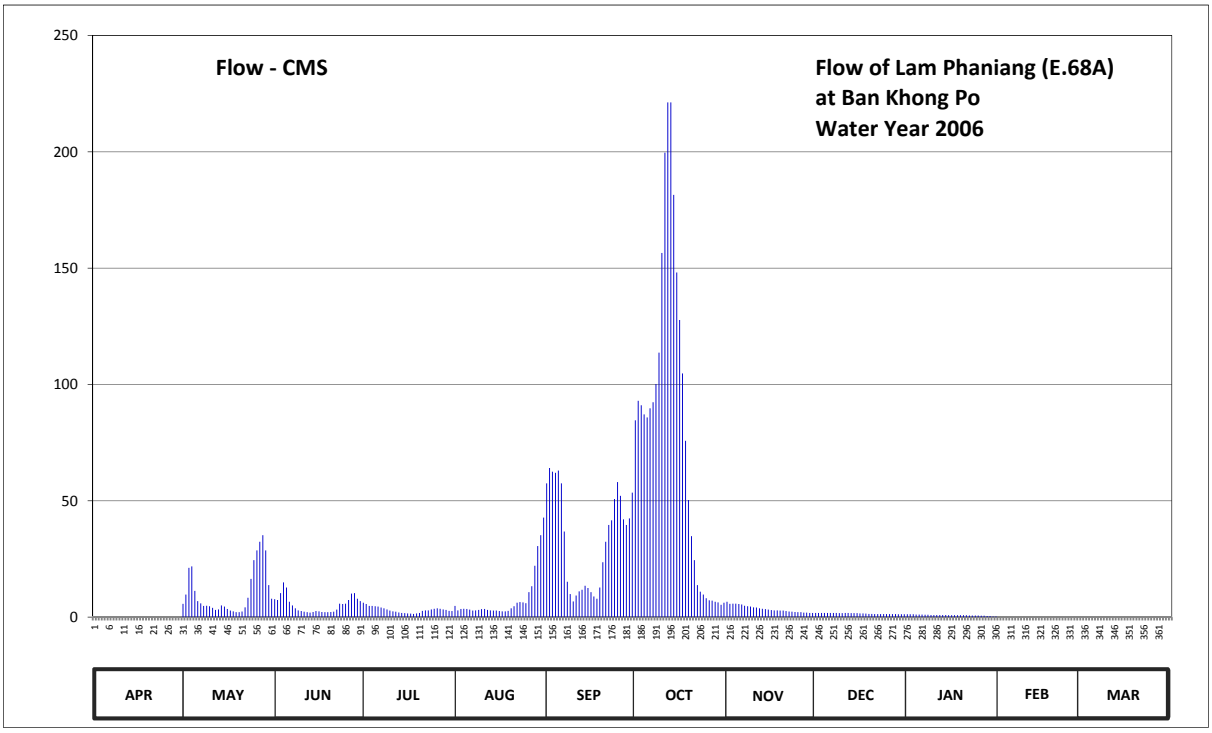
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 196.63 | 197.27 | 197.41 | 197.31 | 197.18 | 198.89 | 199.37 | 197.34 | 196.88 | 196.82 | 196.60 | 195.99 | |
| 2 | 196.64 | 197.51 | 197.39 | 197.26 | 196.99 | 199.02 | 199.50 | 197.27 | 196.88 | 196.82 | 196.25 | 195.99 | |
| 3 | 196.63 | 197.94 | 197.54 | 197.18 | 197.05 | 198.99 | 199.47 | 197.28 | 196.88 | 196.82 | 196.23 | 195.99 | |
| 4 | 196.63 | 197.96 | 197.73 | 197.18 | 197.06 | 198.98 | 199.41 | 197.28 | 196.88 | 196.81 | 196.22 | 196.01 | |
| 5 | 196.63 | 197.59 | 197.65 | 197.17 | 197.05 | 199.00 | 199.39 | 197.26 | 196.88 | 196.81 | 196.13 | 196.03 | |
| 6 | 196.62 | 197.36 | 197.34 | 197.15 | 197.02 | 198.89 | 199.45 | 197.24 | 196.88 | 196.81 | 196.12 | 196.06 | |
| 7 | 196.62 | 197.29 | 197.20 | 197.11 | 196.98 | 198.42 | 199.49 | 197.19 | 196.88 | 196.80 | 196.03 | 196.13 | |
| 8 | 196.61 | 197.18 | 197.08 | 197.08 | 196.99 | 197.74 | 199.58 | 197.17 | 196.88 | 196.80 | 196.03 | 196.13 | |
| 9 | 196.60 | 197.19 | 196.99 | 197.03 | 197.01 | 197.52 | 199.73 | 197.15 | 196.87 | 196.79 | 196.03 | 196.13 | |
| 10 | 196.59 | 197.17 | 196.96 | 196.98 | 197.04 | 197.35 | 200.05 | 197.12 | 196.87 | 196.79 | 196.03 | 196.16 | |
| 11 | 196.59 | 197.10 | 196.93 | 196.95 | 197.05 | 197.49 | 200.21 | 197.11 | 196.88 | 196.79 | 196.03 | 196.16 | |
| 12 | 196.59 | 197.01 | 196.91 | 196.93 | 197.01 | 197.58 | 200.27 | 197.08 | 196.88 | 196.79 | 196.03 | 196.16 | |
| 13 | 196.58 | 197.03 | 196.89 | 196.90 | 196.99 | 197.61 | 200.27 | 197.06 | 196.87 | 196.79 | 196.02 | 196.16 | |
| 14 | 196.58 | 197.20 | 196.92 | 196.88 | 196.98 | 197.68 | 200.15 | 197.04 | 196.87 | 196.79 | 196.02 | 196.15 | |
| 15 | 196.58 | 197.15 | 196.96 | 196.87 | 196.98 | 197.64 | 200.01 | 197.02 | 196.87 | 196.78 | 196.02 | 196.15 | |
| 16 | 196.57 | 197.05 | 196.95 | 196.86 | 196.96 | 197.56 | 199.87 | 197.00 | 196.86 | 196.78 | 196.02 | 196.15 | |
| 17 | 196.56 | 196.98 | 196.92 | 196.85 | 196.95 | 197.47 | 199.63 | 196.99 | 196.86 | 196.78 | 196.01 | 196.15 | |
| 18 | 196.55 | 196.95 | 196.91 | 196.84 | 196.95 | 197.42 | 199.23 | 196.99 | 196.85 | 196.78 | 196.01 | 196.15 | |
| 19 | 196.54 | 196.91 | 196.91 | 196.86 | 196.97 | 197.65 | 198.74 | 196.98 | 196.84 | 196.78 | 196.01 | 196.15 | |
| 20 | 196.54 | 196.91 | 196.92 | 196.88 | 197.08 | 198.02 | 198.37 | 196.98 | 196.84 | 196.78 | 196.01 | 196.15 | |
| 21 | 196.55 | 196.94 | 196.93 | 196.97 | 197.17 | 198.31 | 198.05 | 196.96 | 196.83 | 196.78 | 196.00 | 196.14 | |
| 22 | 196.55 | 197.12 | 197.02 | 196.99 | 197.31 | 198.49 | 197.69 | 196.94 | 196.83 | 196.77 | 196.00 | 196.14 | |
| 23 | 196.55 | 197.44 | 197.28 | 196.99 | 197.33 | 198.54 | 197.57 | 196.93 | 196.83 | 196.77 | 196.00 | 196.14 | |
| 24 | 196.54 | 197.78 | 197.26 | 197.03 | 197.32 | 198.75 | 197.51 | 196.92 | 196.83 | 196.77 | 196.00 | 196.14 | |
| 25 | 196.54 | 198.05 | 197.28 | 197.06 | 197.30 | 198.90 | 197.43 | 196.91 | 196.83 | 196.77 | 196.00 | 196.14 | |
| 26 | 196.54 | 198.19 | 197.39 | 197.08 | 197.56 | 198.78 | 197.38 | 196.91 | 196.83 | 196.76 | 195.99 | 196.14 | |
| 27 | 196.54 | 198.31 | 197.53 | 197.06 | 197.67 | 198.55 | 197.37 | 196.89 | 196.83 | 196.76 | 195.99 | 196.14 | |
| 28 | 196.54 | 198.38 | 197.54 | 197.03 | 197.97 | 198.49 | 197.34 | 196.89 | 196.83 | 196.75 | 195.99 | 196.14 | |
| 29 | 196.54 | 198.19 | 197.42 | 197.01 | 198.25 | 198.56 | 197.32 | 196.88 | 196.82 | 196.75 | | 196.14 | |
| 30 | 196.60 | 197.69 | 197.36 | 196.97 | 198.38 | 198.81 | 197.23 | 196.88 | 196.82 | 196.73 | | 196.14 | |
| 31 | | 197.42 | | 196.96 | 198.57 | | 197.31 | | 196.82 | 196.73 | | 196.14 | |
| Mean | 196.58 | 197.43 | 197.18 | 197.01 | 197.26 | 198.24 | 198.85 | 197.06 | 196.85 | 196.78 | 196.07 | 196.12 | |
| Max | 196.64 | 198.38 | 197.73 | 197.31 | 198.57 | 199.02 | 200.27 | 197.34 | 196.88 | 196.82 | 196.60 | 196.16 | 200.27 |
| Min | 196.54 | 196.91 | 196.89 | 196.84 | 196.95 | 197.35 | 197.23 | 196.88 | 196.82 | 196.73 | 195.99 | 195.99 | 195.99 |

Annual Max Momentary Gage Height 200.30 m. (MSL.) , at 05.00 Hours, on Oct 13, 2006

Zero Gage at Bottom Elevation 194.73 m. (MSL.) , River Bed 193.67 m. (MSL.)

Left Bank Elevation 201.51 m. (MSL.) ,

Right Bank Elevation 201.52 m. (MSL.) , Drainage Are 1,364 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 5.70 | 7.70 | 6.15 | 4.80 | 57.50 | 84.55 | 6.60 | 1.80 | 1.20 | 0.00 | 0.00 | | |
| 2 | 0.00 | 9.70 | 7.35 | 5.60 | 2.90 | 64.10 | 93.00 | 5.70 | 1.80 | 1.20 | 0.00 | 0.00 | | |
| 3 | 0.00 | 21.20 | 10.30 | 4.80 | 3.50 | 62.50 | 91.05 | 5.80 | 1.80 | 1.20 | 0.00 | 0.00 | | |
| 4 | 0.00 | 21.80 | 14.90 | 4.80 | 3.60 | 62.00 | 87.15 | 5.80 | 1.80 | 1.10 | 0.00 | 0.00 | | |
| 5 | 0.00 | 11.30 | 12.75 | 4.70 | 3.50 | 63.00 | 85.85 | 5.60 | 1.80 | 1.10 | 0.00 | 0.00 | | |
| 6 | 0.00 | 6.90 | 6.60 | 4.50 | 3.20 | 57.50 | 89.75 | 5.40 | 1.80 | 1.10 | 0.00 | 0.00 | | |
| 7 | 0.00 | 5.90 | 5.00 | 4.10 | 2.80 | 36.80 | 92.35 | 4.90 | 1.80 | 1.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 4.80 | 3.80 | 3.80 | 2.90 | 15.20 | 100.20 | 4.70 | 1.80 | 1.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 4.90 | 2.90 | 3.30 | 3.10 | 9.90 | 113.70 | 4.50 | 1.70 | 0.90 | 0.00 | 0.00 | | |
| 10 | 0.00 | 4.70 | 2.60 | 2.80 | 3.40 | 6.75 | 156.50 | 4.20 | 1.70 | 0.90 | 0.00 | 0.00 | | |
| 11 | 0.00 | 4.00 | 2.30 | 2.50 | 3.50 | 9.30 | 199.60 | 4.10 | 1.80 | 0.90 | 0.00 | 0.00 | | |
| 12 | 0.00 | 3.10 | 2.10 | 2.30 | 3.10 | 11.10 | 221.20 | 3.80 | 1.80 | 0.90 | 0.00 | 0.00 | | |
| 13 | 0.00 | 3.30 | 1.90 | 2.00 | 2.90 | 11.75 | 221.20 | 3.60 | 1.70 | 0.90 | 0.00 | 0.00 | | |
| 14 | 0.00 | 5.00 | 2.20 | 1.80 | 2.80 | 13.50 | 181.50 | 3.40 | 1.70 | 0.90 | 0.00 | 0.00 | | |
| 15 | 0.00 | 4.50 | 2.60 | 1.70 | 2.80 | 12.50 | 148.10 | 3.20 | 1.70 | 0.80 | 0.00 | 0.00 | | |
| 16 | 0.00 | 3.50 | 2.50 | 1.60 | 2.60 | 10.70 | 127.70 | 3.00 | 1.60 | 0.80 | 0.00 | 0.00 | | |
| 17 | 0.00 | 2.80 | 2.20 | 1.50 | 2.50 | 8.90 | 104.70 | 2.90 | 1.60 | 0.80 | 0.00 | 0.00 | | |
| 18 | 0.00 | 2.50 | 2.10 | 1.40 | 2.50 | 7.90 | 75.80 | 2.90 | 1.50 | 0.80 | 0.00 | 0.00 | | |
| 19 | 0.00 | 2.10 | 2.10 | 1.60 | 2.70 | 12.75 | 50.30 | 2.80 | 1.40 | 0.80 | 0.00 | 0.00 | | |
| 20 | 0.00 | 2.10 | 2.20 | 1.80 | 3.80 | 23.60 | 34.80 | 2.80 | 1.40 | 0.80 | 0.00 | 0.00 | | |
| 21 | 0.00 | 2.40 | 2.30 | 2.70 | 4.70 | 32.40 | 24.50 | 2.60 | 1.30 | 0.80 | 0.00 | 0.00 | | |
| 22 | 0.00 | 4.20 | 3.20 | 2.90 | 6.15 | 39.60 | 13.75 | 2.40 | 1.30 | 0.70 | 0.00 | 0.00 | | |
| 23 | 0.00 | 8.30 | 5.80 | 2.90 | 6.45 | 41.60 | 10.90 | 2.30 | 1.30 | 0.70 | 0.00 | 0.00 | | |
| 24 | 0.00 | 16.40 | 5.60 | 3.30 | 6.30 | 50.75 | 9.70 | 2.20 | 1.30 | 0.70 | 0.00 | 0.00 | | |
| 25 | 0.00 | 24.50 | 5.80 | 3.60 | 6.00 | 58.00 | 8.10 | 2.10 | 1.30 | 0.70 | 0.00 | 0.00 | | |
| 26 | 0.00 | 28.70 | 7.35 | 3.80 | 10.70 | 52.10 | 7.20 | 2.10 | 1.30 | 0.60 | 0.00 | 0.00 | | |
| 27 | 0.00 | 32.40 | 10.10 | 3.60 | 13.25 | 42.00 | 7.05 | 1.90 | 1.30 | 0.60 | 0.00 | 0.00 | | |
| 28 | 0.00 | 35.20 | 10.30 | 3.30 | 22.10 | 39.60 | 6.60 | 1.90 | 1.30 | 0.50 | 0.00 | 0.00 | | |
| 29 | 0.00 | 28.70 | 7.90 | 3.10 | 30.50 | 42.40 | 6.30 | 1.80 | 1.20 | 0.50 | | 0.00 | | |
| 30 | 0.00 | 13.75 | 6.90 | 2.70 | 35.20 | 53.50 | 5.30 | 1.80 | 1.20 | 0.30 | | 0.00 | | |
| 31 | | 7.90 | | 2.60 | 42.80 | | 6.15 | | 1.20 | 0.30 | | 0.00 | | |
| Total | 0.00 | 332.25 | 161.35 | 97.25 | 247.05 | 1009.20 | 2464.55 | 106.80 | 48.00 | 25.50 | 0.00 | 0.00 | 4491.95 | CMSDAY |
| Mean | 0.00 | 10.72 | 5.38 | 3.14 | 7.97 | 33.64 | 79.50 | 3.56 | 1.55 | 0.82 | 0.00 | 0.00 | 12.31 | CMS |
| Max | 0.00 | 35.20 | 14.90 | 6.15 | 42.80 | 64.10 | 221.20 | 6.60 | 1.80 | 1.20 | 0.00 | 0.00 | 221.20 | CMS |
| Min | 0.00 | 2.10 | 1.90 | 1.40 | 2.50 | 6.75 | 5.30 | 1.80 | 1.20 | 0.30 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 28.71 | 13.94 | 8.40 | 21.35 | 87.19 | 212.94 | 9.23 | 4.15 | 2.20 | 0.00 | 0.00 | 388.10 | MCM |

Momentary Peak 232.00 CMS, at 200.30 m. (MSL.), at 05.00 Hours, on Oct 13, 2006

Runoff Yield 9.02 Liters/Second/Square KM. Momentary Peak Yield 170.09 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Nam Yang at Ban Kut Kwang , Roi Et (E.70)

Lat 16 - 17 - 14 N Long 104 - 00 - 34 E

**Location : on right bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Kut Kwang | **Amphoe** Phon Thong | **Changwat** Roi Et |
| **Drainge Area** | 2,647 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +132.120 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank at the abutment of the bridge. | | **Elevation** +144.037 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1984 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1984 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +138.930 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

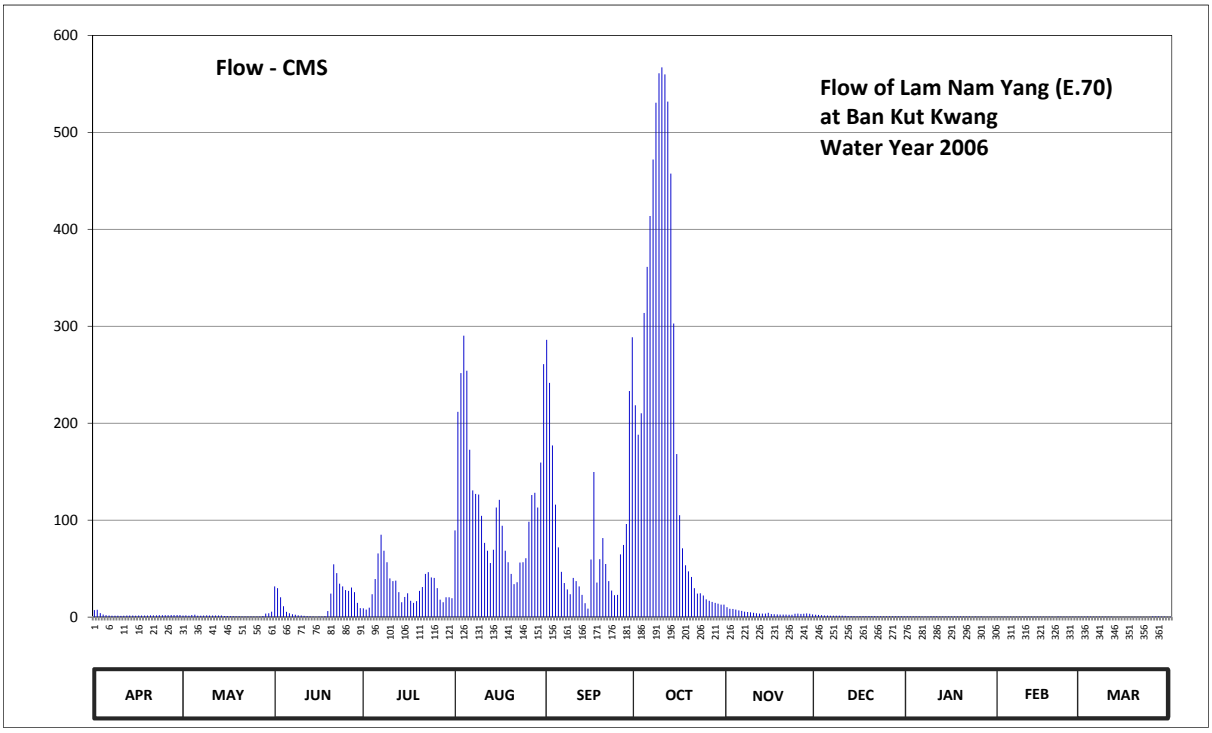
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 132.79 | 132.20 | 133.59 | 132.88 | 134.84 | 137.62 | 136.79 | 132.93 | 132.34 | 132.00 | 131.89 | 131.87 | |
| 2 | 132.81 | 132.23 | 133.54 | 132.82 | 136.70 | 137.09 | 136.38 | 132.86 | 132.31 | 132.00 | 131.86 | 131.87 | |
| 3 | 132.54 | 132.16 | 133.27 | 132.91 | 137.21 | 136.23 | 136.68 | 132.85 | 132.27 | 131.99 | 131.85 | 131.92 | |
| 4 | 132.36 | 132.29 | 132.97 | 133.36 | 137.67 | 135.28 | 137.95 | 132.82 | 132.21 | 131.97 | 131.86 | 131.90 | |
| 5 | 132.26 | 132.34 | 132.66 | 133.78 | 137.24 | 134.50 | 138.48 | 132.77 | 132.18 | 131.98 | 131.85 | 131.88 | |
| 6 | 132.20 | 132.15 | 132.53 | 134.37 | 136.17 | 133.95 | 139.06 | 132.73 | 132.16 | 131.96 | 131.85 | 131.87 | |
| 7 | 132.17 | 132.15 | 132.41 | 134.76 | 135.52 | 133.68 | 139.66 | 132.68 | 132.17 | 131.95 | 131.86 | 131.87 | |
| 8 | 132.16 | 132.19 | 132.33 | 134.43 | 135.46 | 133.50 | 140.24 | 132.65 | 132.17 | 131.95 | 131.86 | 131.87 | |
| 9 | 132.15 | 132.24 | 132.24 | 134.17 | 135.45 | 133.36 | 140.50 | 132.62 | 132.17 | 131.98 | 131.88 | 131.86 | |
| 10 | 132.14 | 132.21 | 132.19 | 133.80 | 135.09 | 133.81 | 140.55 | 132.58 | 132.15 | 131.97 | 131.87 | 131.85 | |
| 11 | 132.15 | 132.19 | 132.13 | 133.73 | 134.59 | 133.73 | 140.49 | 132.53 | 132.11 | 131.97 | 131.86 | 131.85 | |
| 12 | 132.20 | 132.18 | 132.05 | 133.74 | 134.43 | 133.59 | 140.25 | 132.50 | 132.07 | 131.96 | 131.85 | 131.83 | |
| 13 | 132.19 | 132.21 | 132.01 | 133.42 | 134.15 | 133.34 | 139.51 | 132.48 | 132.03 | 131.95 | 131.85 | 131.82 | |
| 14 | 132.20 | 132.20 | 131.96 | 133.11 | 134.45 | 133.08 | 137.82 | 132.50 | 132.02 | 131.93 | 131.86 | 131.82 | |
| 15 | 132.16 | 132.09 | 131.89 | 133.28 | 135.23 | 132.87 | 136.11 | 132.58 | 132.01 | 131.91 | 131.85 | 131.80 | |
| 16 | 132.19 | 132.08 | 131.92 | 133.39 | 135.36 | 134.23 | 135.10 | 132.42 | 132.02 | 131.92 | 131.85 | 131.79 | |
| 17 | 132.20 | 132.06 | 131.91 | 133.16 | 134.92 | 135.83 | 134.48 | 132.40 | 132.02 | 131.92 | 131.85 | 131.78 | |
| 18 | 132.20 | 132.02 | 132.04 | 133.09 | 134.43 | 133.69 | 134.10 | 132.38 | 132.02 | 131.92 | 131.85 | 131.79 | |
| 19 | 132.21 | 131.99 | 132.72 | 133.15 | 134.17 | 134.24 | 133.96 | 132.37 | 132.03 | 131.94 | 131.85 | 131.81 | |
| 20 | 132.22 | 131.98 | 133.38 | 133.46 | 133.90 | 134.69 | 133.83 | 132.36 | 132.05 | 131.93 | 131.84 | 131.82 | |
| 21 | 132.23 | 131.96 | 134.12 | 133.57 | 133.65 | 134.13 | 133.54 | 132.36 | 132.03 | 131.93 | 131.94 | 131.79 | |
| 22 | 132.24 | 131.93 | 133.92 | 133.90 | 133.70 | 133.73 | 133.38 | 132.34 | 132.01 | 131.91 | 131.88 | 131.79 | |
| 23 | 132.25 | 131.92 | 133.66 | 133.94 | 134.16 | 133.47 | 133.39 | 132.34 | 131.99 | 131.90 | 131.86 | 131.83 | |
| 24 | 132.26 | 131.91 | 133.59 | 133.82 | 134.17 | 133.33 | 133.32 | 132.47 | 131.98 | 131.92 | 131.85 | 131.83 | |
| 25 | 132.27 | 131.91 | 133.48 | 133.81 | 134.26 | 133.34 | 133.21 | 132.48 | 131.99 | 131.90 | 131.90 | 131.91 | |
| 26 | 132.27 | 131.92 | 133.46 | 133.54 | 134.99 | 134.35 | 133.16 | 132.44 | 132.00 | 131.91 | 131.89 | 131.93 | |
| 27 | 132.28 | 131.93 | 133.56 | 133.20 | 135.44 | 134.55 | 133.12 | 132.47 | 131.99 | 131.90 | 131.85 | 131.92 | |
| 28 | 132.29 | 132.07 | 133.42 | 133.11 | 135.48 | 134.95 | 133.09 | 132.51 | 131.99 | 131.89 | 131.86 | 131.87 | |
| 29 | 132.29 | 132.48 | 133.09 | 133.27 | 135.23 | 136.99 | 133.06 | 132.47 | 131.99 | 131.88 | | 131.85 | |
| 30 | 132.29 | 132.53 | 132.89 | 133.27 | 135.99 | 137.65 | 133.03 | 132.39 | 131.99 | 131.88 | | 131.82 | |
| 31 | | 132.67 | | 133.24 | 137.32 | | 133.03 | | 131.99 | 131.88 | | 131.79 | |
| Mean | 132.27 | 132.14 | 132.83 | 133.53 | 135.21 | 134.49 | 136.04 | 132.54 | 132.08 | 131.94 | 131.86 | 131.85 | |
| Max | 132.81 | 132.67 | 134.12 | 134.76 | 137.67 | 137.65 | 140.55 | 132.93 | 132.34 | 132.00 | 131.94 | 131.93 | 140.55 |
| Min | 132.14 | 131.91 | 131.89 | 132.82 | 133.65 | 132.87 | 133.03 | 132.34 | 131.98 | 131.88 | 131.84 | 131.78 | 131.78 |

Annual Max Momentary Gage Height 140.56 m. (MSL.) , at 08.00 Hours, on Oct 10, 2006

Zero Gage at Bottom Elevation 132.12 m. (MSL.) , River Bed 130.35 m. (MSL.)

Left Bank Elevation 144.60 m. (MSL.) ,

Right Bank Elevation 144.09 m. (MSL.) , Drainage Are 2,647 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.25 | 1.65 | 31.65 | 9.00 | 89.40 | 286.08 | 218.46 | 10.18 | 2.48 | 0.85 | 0.53 | 0.48 | | |
| 2 | 7.60 | 1.82 | 29.90 | 7.80 | 211.80 | 241.56 | 188.12 | 8.60 | 2.27 | 0.85 | 0.45 | 0.48 | | |
| 3 | 4.10 | 1.47 | 20.45 | 9.66 | 251.64 | 177.02 | 210.32 | 8.40 | 2.04 | 0.82 | 0.43 | 0.61 | | |
| 4 | 2.62 | 2.15 | 11.22 | 23.60 | 290.28 | 116.08 | 313.80 | 7.80 | 1.71 | 0.76 | 0.45 | 0.55 | | |
| 5 | 1.98 | 2.48 | 5.42 | 39.20 | 254.16 | 72.00 | 361.20 | 6.95 | 1.56 | 0.79 | 0.43 | 0.50 | | |
| 6 | 1.65 | 1.43 | 4.00 | 65.65 | 172.58 | 46.75 | 413.82 | 6.35 | 1.47 | 0.73 | 0.43 | 0.48 | | |
| 7 | 1.52 | 1.43 | 2.98 | 85.00 | 130.72 | 35.20 | 472.02 | 5.66 | 1.52 | 0.70 | 0.45 | 0.48 | | |
| 8 | 1.47 | 1.61 | 2.41 | 68.50 | 127.06 | 28.50 | 530.60 | 5.30 | 1.52 | 0.70 | 0.45 | 0.48 | | |
| 9 | 1.43 | 1.87 | 1.87 | 56.65 | 126.45 | 23.60 | 561.00 | 4.94 | 1.52 | 0.79 | 0.50 | 0.45 | | |
| 10 | 1.38 | 1.71 | 1.61 | 40.00 | 104.49 | 40.45 | 567.00 | 4.50 | 1.43 | 0.76 | 0.48 | 0.43 | | |
| 11 | 1.43 | 1.61 | 1.34 | 37.20 | 76.50 | 37.20 | 559.80 | 4.00 | 1.25 | 0.76 | 0.45 | 0.43 | | |
| 12 | 1.65 | 1.56 | 1.03 | 37.60 | 68.50 | 31.65 | 531.75 | 3.70 | 1.10 | 0.73 | 0.43 | 0.38 | | |
| 13 | 1.61 | 1.71 | 0.89 | 25.70 | 55.75 | 22.90 | 457.47 | 3.54 | 0.96 | 0.70 | 0.43 | 0.35 | | |
| 14 | 1.65 | 1.65 | 0.73 | 15.30 | 69.50 | 14.40 | 302.88 | 3.70 | 0.92 | 0.64 | 0.45 | 0.35 | | |
| 15 | 1.47 | 1.17 | 0.53 | 20.80 | 113.03 | 8.80 | 168.14 | 4.50 | 0.89 | 0.58 | 0.43 | 0.30 | | |
| 16 | 1.61 | 1.13 | 0.61 | 24.65 | 120.96 | 59.35 | 105.10 | 3.06 | 0.92 | 0.61 | 0.43 | 0.28 | | |
| 17 | 1.65 | 1.06 | 0.58 | 16.80 | 94.20 | 149.63 | 71.00 | 2.90 | 0.92 | 0.61 | 0.43 | 0.26 | | |
| 18 | 1.65 | 0.92 | 0.99 | 14.70 | 68.50 | 35.60 | 53.50 | 2.76 | 0.92 | 0.61 | 0.43 | 0.28 | | |
| 19 | 1.71 | 0.82 | 6.20 | 16.50 | 56.65 | 59.80 | 47.20 | 2.69 | 0.96 | 0.67 | 0.43 | 0.33 | | |
| 20 | 1.76 | 0.79 | 24.30 | 27.10 | 44.50 | 81.50 | 41.35 | 2.62 | 1.03 | 0.64 | 0.40 | 0.35 | | |
| 21 | 1.82 | 0.73 | 54.40 | 30.95 | 34.00 | 54.85 | 29.90 | 2.62 | 0.96 | 0.64 | 0.67 | 0.28 | | |
| 22 | 1.87 | 0.64 | 45.40 | 44.50 | 36.00 | 37.20 | 24.30 | 2.48 | 0.89 | 0.58 | 0.50 | 0.28 | | |
| 23 | 1.93 | 0.61 | 34.40 | 46.30 | 56.20 | 27.45 | 24.65 | 2.48 | 0.82 | 0.55 | 0.45 | 0.38 | | |
| 24 | 1.98 | 0.58 | 31.65 | 40.90 | 56.65 | 22.55 | 22.20 | 3.46 | 0.79 | 0.61 | 0.43 | 0.38 | | |
| 25 | 2.04 | 0.58 | 27.80 | 40.45 | 60.70 | 22.90 | 18.35 | 3.54 | 0.82 | 0.55 | 0.55 | 0.58 | | |
| 26 | 2.04 | 0.61 | 27.10 | 29.90 | 98.40 | 64.75 | 16.80 | 3.22 | 0.85 | 0.58 | 0.53 | 0.64 | | |
| 27 | 2.09 | 0.64 | 30.60 | 18.00 | 125.84 | 74.50 | 15.60 | 3.46 | 0.82 | 0.55 | 0.43 | 0.61 | | |
| 28 | 2.15 | 1.10 | 25.70 | 15.30 | 128.28 | 96.00 | 14.70 | 3.80 | 0.82 | 0.53 | 0.45 | 0.48 | | |
| 29 | 2.15 | 3.54 | 14.70 | 20.45 | 113.03 | 233.26 | 13.80 | 3.46 | 0.82 | 0.50 | | 0.43 | | |
| 30 | 2.15 | 4.00 | 9.20 | 20.45 | 159.39 | 288.60 | 12.90 | 2.83 | 0.82 | 0.50 | | 0.35 | | |
| 31 | | 5.54 | | 19.40 | 260.88 | | 12.90 | | 0.82 | 0.50 | | 0.28 | | |
| Total | 67.41 | 48.61 | 449.66 | 968.01 | 3656.04 | 2490.13 | 6380.63 | 133.50 | 36.62 | 20.39 | 12.92 | 12.94 | 14276.86 | CMSDAY |
| Mean | 2.25 | 1.57 | 14.99 | 31.23 | 117.94 | 83.00 | 205.83 | 4.45 | 1.18 | 0.66 | 0.46 | 0.42 | 39.11 | CMS |
| Max | 7.60 | 5.54 | 54.40 | 85.00 | 290.28 | 288.60 | 567.00 | 10.18 | 2.48 | 0.85 | 0.67 | 0.64 | 567.00 | CMS |
| Min | 1.38 | 0.58 | 0.53 | 7.80 | 34.00 | 8.80 | 12.90 | 2.48 | 0.79 | 0.50 | 0.40 | 0.26 | 0.26 | CMS |
| Runoff | 5.82 | 4.20 | 38.85 | 83.64 | 315.88 | 215.15 | 551.29 | 11.53 | 3.16 | 1.76 | 1.12 | 1.12 | 1233.52 | MCM |

Momentary Peak 568.20 CMS, at 140.56 m. (MSL.), at 08.00 Hours, on Oct 10, 2006

Runoff Yield 14.78 Liters/Second/Square KM. Momentary Peak Yield 214.66 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Chiang at Ban Chiang , Chaiyaphum (E.72)

Lat 16 - 01 - 26 N Long 101 - 30 - 12 E

**Location : on left bank at Ban Chiang School.**

| | | | |
|---|---|---|---|
| | **Ban** Chiang | **Amphoe** Phak Di Chumphon | **Changwat** Chaiyaphum |
| **Drainge Area** | 323 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +234.120 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | **Elevation** +243.534 m. (MSL.) | |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1984 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1987 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1987 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

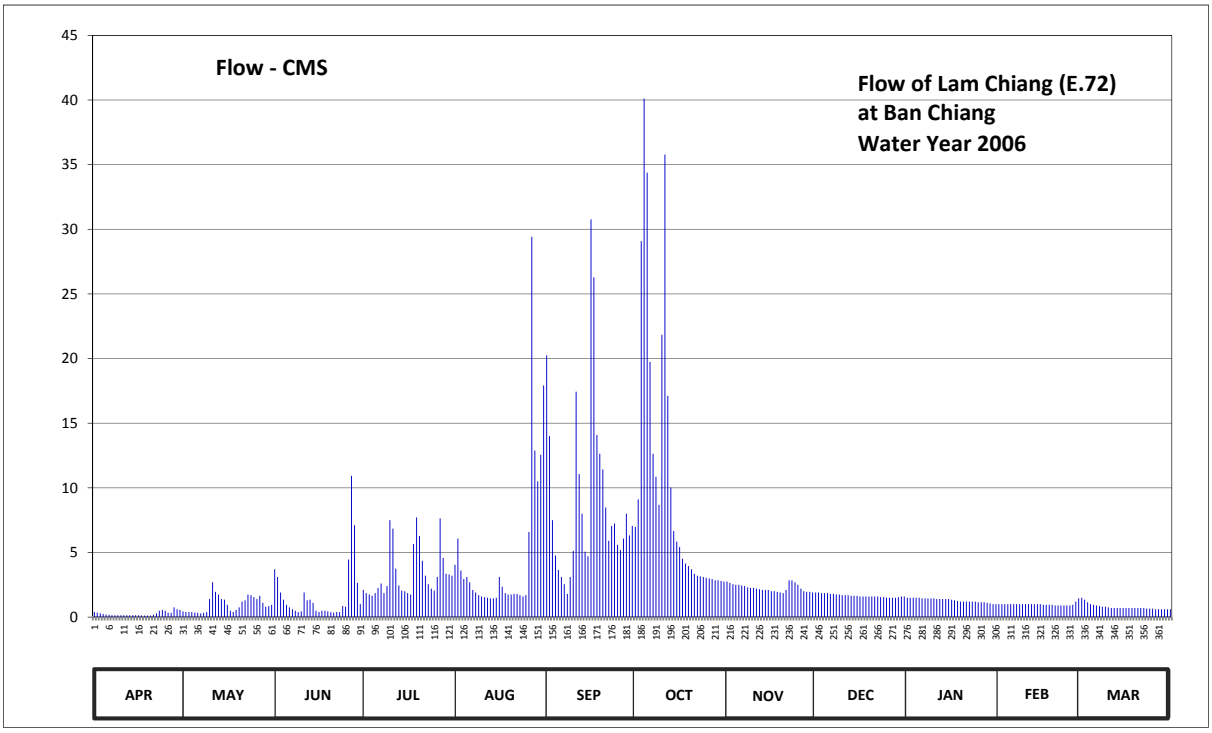
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 234.40 | 234.41 | 235.06 | 234.74 | 235.13 | 237.37 | 235.62 | 234.87 | 234.70 | 234.62 | 234.52 | 234.62 | |
| 2 | 234.38 | 234.40 | 234.94 | 234.69 | 235.48 | 236.60 | 235.93 | 234.85 | 234.70 | 234.62 | 234.52 | 234.59 | |
| 3 | 234.36 | 234.40 | 234.70 | 234.67 | 235.04 | 235.70 | 238.24 | 234.83 | 234.69 | 234.62 | 234.52 | 234.55 | |
| 4 | 234.34 | 234.39 | 234.59 | 234.65 | 234.91 | 235.26 | 239.08 | 234.82 | 234.69 | 234.62 | 234.52 | 234.52 | |
| 5 | 234.32 | 234.38 | 234.51 | 234.69 | 234.94 | 235.05 | 238.67 | 234.82 | 234.69 | 234.62 | 234.52 | 234.51 | |
| 6 | 234.31 | 234.37 | 234.47 | 234.77 | 234.86 | 234.94 | 237.31 | 234.81 | 234.68 | 234.61 | 234.52 | 234.50 | |
| 7 | 234.30 | 234.35 | 234.44 | 234.84 | 234.74 | 234.83 | 236.43 | 234.80 | 234.68 | 234.61 | 234.52 | 234.49 | |
| 8 | 234.30 | 234.37 | 234.42 | 234.69 | 234.70 | 234.68 | 236.18 | 234.78 | 234.67 | 234.61 | 234.52 | 234.48 | |
| 9 | 234.30 | 234.39 | 234.40 | 234.80 | 234.66 | 234.94 | 235.87 | 234.77 | 234.67 | 234.61 | 234.52 | 234.48 | |
| 10 | 234.30 | 234.60 | 234.41 | 235.70 | 234.64 | 235.32 | 237.55 | 234.77 | 234.66 | 234.61 | 234.52 | 234.47 | |
| 11 | 234.30 | 234.86 | 234.70 | 235.60 | 234.63 | 237.03 | 238.77 | 234.76 | 234.66 | 234.60 | 234.52 | 234.46 | |
| 12 | 234.30 | 234.71 | 234.58 | 235.07 | 234.62 | 236.21 | 236.99 | 234.75 | 234.66 | 234.60 | 234.52 | 234.46 | |
| 13 | 234.30 | 234.67 | 234.59 | 234.81 | 234.61 | 235.77 | 236.06 | 234.74 | 234.65 | 234.60 | 234.52 | 234.46 | |
| 14 | 234.30 | 234.60 | 234.54 | 234.73 | 234.61 | 235.31 | 235.57 | 234.74 | 234.65 | 234.60 | 234.52 | 234.46 | |
| 15 | 234.30 | 234.59 | 234.42 | 234.72 | 234.62 | 235.25 | 235.44 | 234.74 | 234.65 | 234.60 | 234.52 | 234.46 | |
| 16 | 234.30 | 234.51 | 234.40 | 234.69 | 234.94 | 238.39 | 235.37 | 234.72 | 234.64 | 234.59 | 234.51 | 234.46 | |
| 17 | 234.29 | 234.42 | 234.42 | 234.67 | 234.79 | 237.99 | 235.22 | 234.72 | 234.64 | 234.58 | 234.51 | 234.46 | |
| 18 | 234.28 | 234.40 | 234.42 | 235.41 | 234.69 | 236.61 | 235.15 | 234.71 | 234.64 | 234.57 | 234.51 | 234.46 | |
| 19 | 234.28 | 234.43 | 234.41 | 235.73 | 234.67 | 236.43 | 235.11 | 234.70 | 234.64 | 234.56 | 234.51 | 234.46 | |
| 20 | 234.28 | 234.47 | 234.39 | 235.51 | 234.67 | 236.26 | 235.06 | 234.69 | 234.64 | 234.56 | 234.50 | 234.46 | |
| 21 | 234.31 | 234.56 | 234.38 | 235.19 | 234.68 | 235.84 | 234.99 | 234.74 | 234.64 | 234.56 | 234.50 | 234.46 | |
| 22 | 234.36 | 234.58 | 234.40 | 234.96 | 234.68 | 235.45 | 234.96 | 234.89 | 234.64 | 234.56 | 234.50 | 234.46 | |
| 23 | 234.42 | 234.67 | 234.39 | 234.83 | 234.66 | 235.63 | 234.95 | 234.89 | 234.63 | 234.56 | 234.50 | 234.45 | |
| 24 | 234.43 | 234.66 | 234.49 | 234.76 | 234.64 | 235.66 | 234.94 | 234.86 | 234.63 | 234.56 | 234.50 | 234.45 | |
| 25 | 234.42 | 234.63 | 234.48 | 234.73 | 234.66 | 235.40 | 234.93 | 234.82 | 234.62 | 234.55 | 234.50 | 234.45 | |
| 26 | 234.38 | 234.60 | 235.21 | 234.94 | 235.56 | 235.33 | 234.92 | 234.76 | 234.62 | 234.55 | 234.51 | 234.44 | |
| 27 | 234.37 | 234.65 | 236.19 | 235.72 | 238.27 | 235.48 | 234.91 | 234.72 | 234.62 | 234.55 | 234.56 | 234.44 | |
| 28 | 234.47 | 234.54 | 235.64 | 235.23 | 236.46 | 235.77 | 234.89 | 234.71 | 234.62 | 234.54 | 234.61 | 234.44 | |
| 29 | 234.44 | 234.48 | 234.85 | 234.99 | 236.13 | 235.52 | 234.89 | 234.71 | 234.63 | 234.53 | | 234.44 | |
| 30 | 234.43 | 234.49 | 234.52 | 234.98 | 236.42 | 235.63 | 234.88 | 234.70 | 234.64 | 234.52 | | 234.44 | |
| 31 | | 234.51 | | 234.96 | 237.09 | | 234.87 | | 234.64 | 234.52 | | 234.44 | |
| Mean | 234.34 | 234.52 | 234.65 | 234.98 | 235.14 | 235.86 | 235.93 | 234.77 | 234.65 | 234.58 | 234.52 | 234.47 | |
| Max | 234.47 | 234.86 | 236.19 | 235.73 | 238.27 | 238.39 | 239.08 | 234.89 | 234.70 | 234.62 | 234.61 | 234.62 | 239.08 |
| Min | 234.28 | 234.35 | 234.38 | 234.65 | 234.61 | 234.68 | 234.87 | 234.69 | 234.62 | 234.52 | 234.50 | 234.44 | 234.28 |

Annual Max Momentary Gage Height 239.59 m. (MSL.) , at 19.00 Hours, on Oct 4, 2006

Zero Gage at Bottom Elevation 234.12 m. (MSL.) , River Bed 233.53 m. (MSL.)

Left Bank Elevation 243.28 m. (MSL.) ,

Right Bank Elevation 243.27 m. (MSL.) , Drainage Are 323 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.40 | 0.45 | 3.70 | 2.10 | 4.05 | 20.25 | 6.98 | 2.75 | 1.90 | 1.50 | 1.00 | 1.50 | | |
| 2 | 0.35 | 0.40 | 3.10 | 1.85 | 6.08 | 14.00 | 9.11 | 2.65 | 1.90 | 1.50 | 1.00 | 1.35 | | |
| 3 | 0.30 | 0.40 | 1.90 | 1.75 | 3.60 | 7.50 | 29.09 | 2.55 | 1.85 | 1.50 | 1.00 | 1.15 | | |
| 4 | 0.25 | 0.38 | 1.35 | 1.65 | 2.95 | 4.76 | 40.12 | 2.50 | 1.85 | 1.50 | 1.00 | 1.00 | | |
| 5 | 0.20 | 0.35 | 0.95 | 1.85 | 3.10 | 3.65 | 34.38 | 2.50 | 1.85 | 1.50 | 1.00 | 0.95 | | |
| 6 | 0.18 | 0.33 | 0.75 | 2.25 | 2.70 | 3.10 | 19.74 | 2.45 | 1.80 | 1.45 | 1.00 | 0.90 | | |
| 7 | 0.15 | 0.28 | 0.60 | 2.60 | 2.10 | 2.55 | 12.64 | 2.40 | 1.80 | 1.45 | 1.00 | 0.85 | | |
| 8 | 0.15 | 0.33 | 0.50 | 1.85 | 1.90 | 1.80 | 10.86 | 2.30 | 1.75 | 1.45 | 1.00 | 0.80 | | |
| 9 | 0.15 | 0.38 | 0.40 | 2.40 | 1.70 | 3.10 | 8.69 | 2.25 | 1.75 | 1.45 | 1.00 | 0.80 | | |
| 10 | 0.15 | 1.40 | 0.45 | 7.50 | 1.60 | 5.12 | 21.85 | 2.25 | 1.70 | 1.45 | 1.00 | 0.75 | | |
| 11 | 0.15 | 2.70 | 1.90 | 6.85 | 1.55 | 17.44 | 35.78 | 2.20 | 1.70 | 1.40 | 1.00 | 0.70 | | |
| 12 | 0.15 | 1.95 | 1.30 | 3.75 | 1.50 | 11.07 | 17.12 | 2.15 | 1.70 | 1.40 | 1.00 | 0.70 | | |
| 13 | 0.15 | 1.75 | 1.35 | 2.45 | 1.45 | 7.99 | 10.02 | 2.10 | 1.65 | 1.40 | 1.00 | 0.70 | | |
| 14 | 0.15 | 1.40 | 1.10 | 2.05 | 1.45 | 5.06 | 6.66 | 2.10 | 1.65 | 1.40 | 1.00 | 0.70 | | |
| 15 | 0.15 | 1.35 | 0.50 | 2.00 | 1.50 | 4.70 | 5.84 | 2.10 | 1.65 | 1.40 | 1.00 | 0.70 | | |
| 16 | 0.15 | 0.95 | 0.40 | 1.85 | 3.10 | 30.77 | 5.42 | 2.00 | 1.60 | 1.35 | 0.95 | 0.70 | | |
| 17 | 0.14 | 0.50 | 0.50 | 1.75 | 2.35 | 26.29 | 4.52 | 2.00 | 1.60 | 1.30 | 0.95 | 0.70 | | |
| 18 | 0.12 | 0.40 | 0.50 | 5.66 | 1.85 | 14.08 | 4.15 | 1.95 | 1.60 | 1.25 | 0.95 | 0.70 | | |
| 19 | 0.12 | 0.55 | 0.45 | 7.71 | 1.75 | 12.64 | 3.95 | 1.90 | 1.60 | 1.20 | 0.95 | 0.70 | | |
| 20 | 0.12 | 0.75 | 0.38 | 6.27 | 1.75 | 11.42 | 3.70 | 1.85 | 1.60 | 1.20 | 0.90 | 0.70 | | |
| 21 | 0.18 | 1.20 | 0.35 | 4.35 | 1.80 | 8.48 | 3.35 | 2.10 | 1.60 | 1.20 | 0.90 | 0.70 | | |
| 22 | 0.30 | 1.30 | 0.40 | 3.20 | 1.80 | 5.90 | 3.20 | 2.85 | 1.60 | 1.20 | 0.90 | 0.70 | | |
| 23 | 0.50 | 1.75 | 0.38 | 2.55 | 1.70 | 7.05 | 3.15 | 2.85 | 1.55 | 1.20 | 0.90 | 0.65 | | |
| 24 | 0.55 | 1.70 | 0.85 | 2.20 | 1.60 | 7.24 | 3.10 | 2.70 | 1.55 | 1.20 | 0.90 | 0.65 | | |
| 25 | 0.50 | 1.55 | 0.80 | 2.05 | 1.70 | 5.60 | 3.05 | 2.50 | 1.50 | 1.15 | 0.90 | 0.65 | | |
| 26 | 0.35 | 1.40 | 4.46 | 3.10 | 6.59 | 5.18 | 3.00 | 2.20 | 1.50 | 1.15 | 0.95 | 0.60 | | |
| 27 | 0.33 | 1.65 | 10.93 | 7.64 | 29.42 | 6.08 | 2.95 | 2.00 | 1.50 | 1.15 | 1.20 | 0.60 | | |
| 28 | 0.75 | 1.10 | 7.11 | 4.58 | 12.88 | 7.99 | 2.85 | 1.95 | 1.50 | 1.10 | 1.45 | 0.60 | | |
| 29 | 0.60 | 0.80 | 2.65 | 3.35 | 10.51 | 6.33 | 2.85 | 1.95 | 1.55 | 1.05 | | 0.60 | | |
| 30 | 0.55 | 0.85 | 1.00 | 3.30 | 12.56 | 7.05 | 2.80 | 1.90 | 1.60 | 1.00 | | 0.60 | | |
| 31 | | 0.95 | | 3.20 | 17.92 | | 2.75 | | 1.60 | 1.00 | | 0.60 | | |
| Total | 8.29 | 31.25 | 51.01 | 105.66 | 146.51 | 274.19 | 323.67 | 67.95 | 51.55 | 40.45 | 27.80 | 24.00 | 1152.33 | CMSDAY |
| Mean | 0.28 | 1.01 | 1.70 | 3.41 | 4.73 | 9.14 | 10.44 | 2.27 | 1.66 | 1.30 | 0.99 | 0.77 | 3.16 | CMS |
| Max | 0.75 | 2.70 | 10.93 | 7.71 | 29.42 | 30.77 | 40.12 | 2.85 | 1.90 | 1.50 | 1.45 | 1.50 | 40.12 | CMS |
| Min | 0.12 | 0.28 | 0.35 | 1.65 | 1.45 | 1.80 | 2.75 | 1.85 | 1.50 | 1.00 | 0.90 | 0.60 | 0.12 | CMS |
| Runoff | 0.72 | 2.70 | 4.41 | 9.13 | 12.66 | 23.69 | 27.97 | 5.87 | 4.45 | 3.49 | 2.40 | 2.07 | 99.56 | MCM |

Momentary Peak 48.42 CMS, at 239.59 m. (MSL.), at 19.00 Hours, on Oct 4, 2006

Runoff Yield 9.77 Liters/Second/Square KM. Momentary Peak Yield 149.91 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Chao at Ban Wang Taku , Chaiyaphum (E.73)

Lat 15 - 56 - 59 N Long 101 - 26 - 44 E

**Location : on left bank at Ban Wang Taku, Tambon Ban Chiang.**

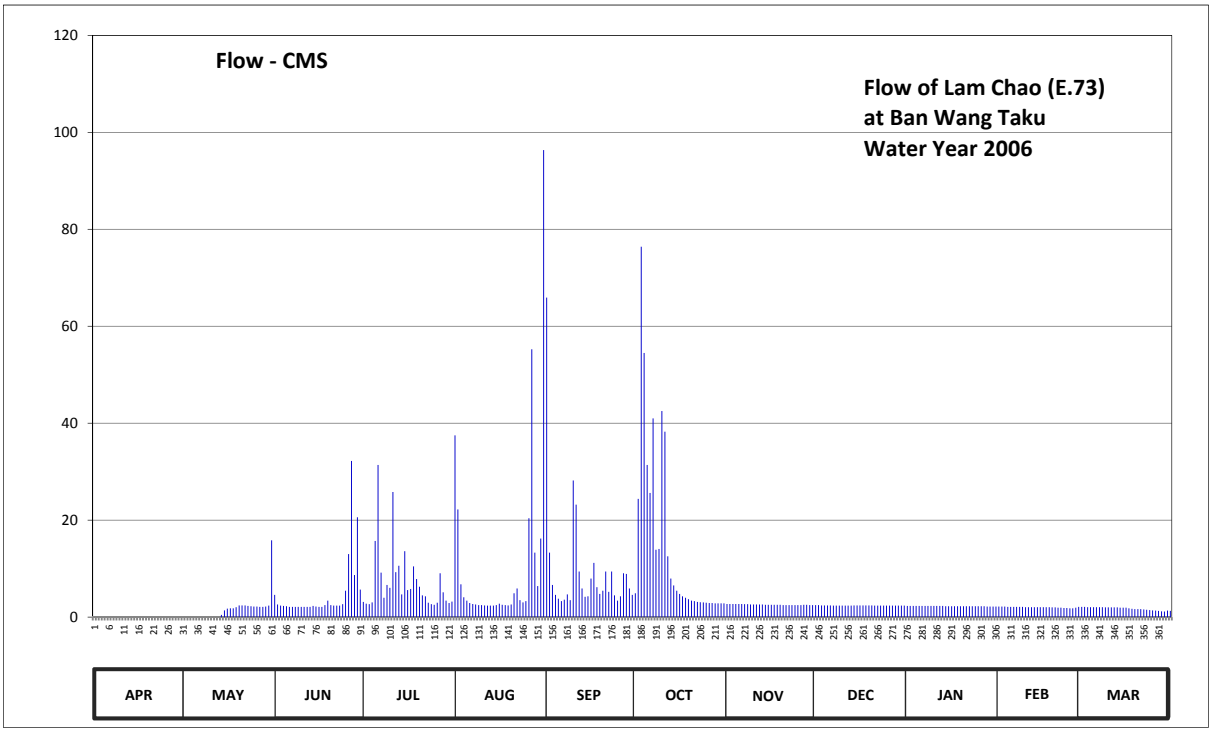
**Ban** Wang Taku **Amphoe** Phak Di Chumphon **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 251 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +247.240 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On left bank about 2 meters from the top staff gage. **Elevation** +254.832 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings |
| **Period of Available Gage Records** | 1984 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The local weir situated about 4 kilometers downstream from the gage site. Stage-discharge relation defined by 47 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 249.24 | 249.20 | 249.94 | 249.79 | 251.86 | 252.93 | 249.97 | 249.72 | 249.68 | 249.65 | 249.63 | 249.62 | |
| 2 | 249.24 | 249.20 | 249.70 | 249.73 | 251.11 | 250.62 | 251.22 | 249.72 | 249.68 | 249.65 | 249.63 | 249.62 | |
| 3 | 249.23 | 249.19 | 249.66 | 249.71 | 250.13 | 250.12 | 253.24 | 249.72 | 249.67 | 249.65 | 249.63 | 249.61 | |
| 4 | 249.22 | 249.19 | 249.65 | 249.77 | 249.89 | 249.94 | 252.54 | 249.72 | 249.67 | 249.65 | 249.62 | 249.61 | |
| 5 | 249.21 | 249.18 | 249.64 | 250.78 | 249.82 | 249.86 | 251.57 | 249.72 | 249.67 | 249.65 | 249.62 | 249.61 | |
| 6 | 249.20 | 249.16 | 249.62 | 251.57 | 249.75 | 249.81 | 251.28 | 249.72 | 249.67 | 249.65 | 249.62 | 249.61 | |
| 7 | 249.19 | 249.14 | 249.62 | 250.33 | 249.72 | 249.84 | 252.00 | 249.71 | 249.66 | 249.65 | 249.62 | 249.61 | |
| 8 | 249.19 | 249.13 | 249.62 | 249.88 | 249.70 | 249.95 | 250.66 | 249.71 | 249.66 | 249.65 | 249.62 | 249.61 | |
| 9 | 249.18 | 249.12 | 249.62 | 250.12 | 249.68 | 249.83 | 250.67 | 249.70 | 249.66 | 249.65 | 249.62 | 249.60 | |
| 10 | 249.17 | 249.12 | 249.62 | 250.07 | 249.68 | 251.41 | 252.06 | 249.70 | 249.66 | 249.65 | 249.61 | 249.60 | |
| 11 | 249.17 | 249.12 | 249.62 | 251.29 | 249.67 | 251.16 | 251.89 | 249.70 | 249.66 | 249.65 | 249.61 | 249.60 | |
| 12 | 249.16 | 249.13 | 249.62 | 250.34 | 249.66 | 250.35 | 250.57 | 249.70 | 249.66 | 249.65 | 249.61 | 249.60 | |
| 13 | 249.15 | 249.17 | 249.62 | 250.44 | 249.66 | 250.06 | 250.23 | 249.70 | 249.66 | 249.65 | 249.61 | 249.60 | |
| 14 | 249.15 | 249.31 | 249.65 | 249.95 | 249.66 | 249.90 | 250.11 | 249.69 | 249.67 | 249.64 | 249.61 | 249.59 | |
| 15 | 249.14 | 249.50 | 249.63 | 250.64 | 249.68 | 249.91 | 250.02 | 249.69 | 249.67 | 249.64 | 249.61 | 249.59 | |
| 16 | 249.15 | 249.56 | 249.62 | 250.03 | 249.73 | 250.23 | 249.96 | 249.69 | 249.67 | 249.64 | 249.61 | 249.59 | |
| 17 | 249.15 | 249.57 | 249.62 | 250.05 | 249.69 | 250.48 | 249.91 | 249.69 | 249.67 | 249.64 | 249.61 | 249.57 | |
| 18 | 249.15 | 249.57 | 249.68 | 250.43 | 249.68 | 250.08 | 249.88 | 249.69 | 249.67 | 249.64 | 249.61 | 249.55 | |
| 19 | 249.14 | 249.61 | 249.82 | 250.22 | 249.67 | 249.96 | 249.85 | 249.69 | 249.67 | 249.64 | 249.60 | 249.54 | |
| 20 | 249.15 | 249.67 | 249.68 | 250.09 | 249.70 | 250.02 | 249.82 | 249.68 | 249.67 | 249.64 | 249.60 | 249.54 | |
| 21 | 249.19 | 249.67 | 249.66 | 249.93 | 249.97 | 250.35 | 249.81 | 249.68 | 249.66 | 249.64 | 249.59 | 249.54 | |
| 22 | 249.19 | 249.67 | 249.66 | 249.91 | 250.06 | 250.00 | 249.79 | 249.68 | 249.66 | 249.64 | 249.59 | 249.53 | |
| 23 | 249.20 | 249.65 | 249.66 | 249.76 | 249.83 | 250.35 | 249.78 | 249.68 | 249.66 | 249.64 | 249.58 | 249.52 | |
| 24 | 249.20 | 249.64 | 249.71 | 249.71 | 249.77 | 249.93 | 249.77 | 249.68 | 249.66 | 249.64 | 249.58 | 249.51 | |
| 25 | 249.20 | 249.63 | 250.02 | 249.69 | 249.81 | 249.82 | 249.76 | 249.68 | 249.66 | 249.64 | 249.57 | 249.50 | |
| 26 | 249.19 | 249.63 | 250.60 | 249.76 | 251.02 | 249.91 | 249.75 | 249.68 | 249.66 | 249.64 | 249.57 | 249.49 | |
| 27 | 249.19 | 249.62 | 251.61 | 250.32 | 252.57 | 250.32 | 249.75 | 249.69 | 249.66 | 249.64 | 249.59 | 249.48 | |
| 28 | 249.19 | 249.62 | 250.29 | 249.99 | 250.62 | 250.31 | 249.74 | 249.69 | 249.66 | 249.63 | 249.62 | 249.46 | |
| 29 | 249.19 | 249.63 | 251.03 | 249.82 | 250.10 | 250.06 | 249.74 | 249.68 | 249.66 | 249.63 | | 249.45 | |
| 30 | 249.20 | 249.66 | 250.04 | 249.75 | 250.81 | 249.94 | 249.74 | 249.68 | 249.66 | 249.63 | | 249.49 | |
| 31 | | 250.79 | | 249.80 | 253.81 | | 249.74 | | 249.66 | 249.63 | | 249.48 | |
| Mean | 249.18 | 249.45 | 249.85 | 250.12 | 250.21 | 250.25 | 250.48 | 249.70 | 249.66 | 249.64 | 249.61 | 249.56 | |
| Max | 249.24 | 250.79 | 251.61 | 251.57 | 253.81 | 252.93 | 253.24 | 249.72 | 249.68 | 249.65 | 249.63 | 249.62 | 253.81 |
| Min | 249.14 | 249.12 | 249.62 | 249.69 | 249.66 | 249.81 | 249.74 | 249.68 | 249.66 | 249.63 | 249.57 | 249.45 | 249.12 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 254.27 | m. (MSL.) , | at 18.00 Hours, on Aug 31, 2006 | | |
| Zero Gage at Bottom Elevation | 247.24 | m. (MSL.) , | River Bed | 247.67 | m. (MSL.) |
| Left Bank Elevation | 258.76 | m. (MSL.) , | | | |
| Right Bank Elevation | 255.25 | m. (MSL.) , | Drainage Are | 251 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 4.60 | 3.14 | 37.50 | 65.90 | 4.90 | 2.72 | 2.48 | 2.30 | 2.18 | 2.12 | | |
| 2 | 0.00 | 0.00 | 2.60 | 2.78 | 22.20 | 13.30 | 24.40 | 2.72 | 2.48 | 2.30 | 2.18 | 2.12 | | |
| 3 | 0.00 | 0.00 | 2.36 | 2.66 | 6.76 | 6.64 | 76.40 | 2.72 | 2.42 | 2.30 | 2.18 | 2.06 | | |
| 4 | 0.00 | 0.00 | 2.30 | 3.02 | 4.10 | 4.60 | 54.50 | 2.72 | 2.42 | 2.30 | 2.12 | 2.06 | | |
| 5 | 0.00 | 0.00 | 2.24 | 15.70 | 3.40 | 3.80 | 31.40 | 2.72 | 2.42 | 2.30 | 2.12 | 2.06 | | |
| 6 | 0.00 | 0.00 | 2.12 | 31.40 | 2.90 | 3.30 | 25.60 | 2.72 | 2.42 | 2.30 | 2.12 | 2.06 | | |
| 7 | 0.00 | 0.00 | 2.12 | 9.16 | 2.72 | 3.60 | 41.00 | 2.66 | 2.36 | 2.30 | 2.12 | 2.06 | | |
| 8 | 0.00 | 0.00 | 2.12 | 4.00 | 2.60 | 4.70 | 13.90 | 2.66 | 2.36 | 2.30 | 2.12 | 2.06 | | |
| 9 | 0.00 | 0.00 | 2.12 | 6.64 | 2.48 | 3.50 | 14.05 | 2.60 | 2.36 | 2.30 | 2.12 | 2.00 | | |
| 10 | 0.00 | 0.00 | 2.12 | 6.04 | 2.48 | 28.20 | 42.50 | 2.60 | 2.36 | 2.30 | 2.06 | 2.00 | | |
| 11 | 0.00 | 0.00 | 2.12 | 25.80 | 2.42 | 23.20 | 38.25 | 2.60 | 2.36 | 2.30 | 2.06 | 2.00 | | |
| 12 | 0.00 | 0.00 | 2.12 | 9.28 | 2.36 | 9.40 | 12.55 | 2.60 | 2.36 | 2.30 | 2.06 | 2.00 | | |
| 13 | 0.00 | 0.00 | 2.12 | 10.60 | 2.36 | 5.92 | 7.96 | 2.60 | 2.36 | 2.30 | 2.06 | 2.00 | | |
| 14 | 0.00 | 0.45 | 2.30 | 4.70 | 2.36 | 4.20 | 6.52 | 2.54 | 2.42 | 2.24 | 2.06 | 1.94 | | |
| 15 | 0.00 | 1.40 | 2.18 | 13.60 | 2.48 | 4.30 | 5.44 | 2.54 | 2.42 | 2.24 | 2.06 | 1.94 | | |
| 16 | 0.00 | 1.76 | 2.12 | 5.56 | 2.78 | 7.96 | 4.80 | 2.54 | 2.42 | 2.24 | 2.06 | 1.94 | | |
| 17 | 0.00 | 1.82 | 2.12 | 5.80 | 2.54 | 11.20 | 4.30 | 2.54 | 2.42 | 2.24 | 2.06 | 1.82 | | |
| 18 | 0.00 | 1.82 | 2.48 | 10.45 | 2.48 | 6.16 | 4.00 | 2.54 | 2.42 | 2.24 | 2.06 | 1.70 | | |
| 19 | 0.00 | 2.06 | 3.40 | 7.84 | 2.42 | 4.80 | 3.70 | 2.54 | 2.42 | 2.24 | 2.00 | 1.64 | | |
| 20 | 0.00 | 2.42 | 2.48 | 6.28 | 2.60 | 5.44 | 3.40 | 2.48 | 2.42 | 2.24 | 2.00 | 1.64 | | |
| 21 | 0.00 | 2.42 | 2.36 | 4.50 | 4.90 | 9.40 | 3.30 | 2.48 | 2.36 | 2.24 | 1.94 | 1.64 | | |
| 22 | 0.00 | 2.42 | 2.36 | 4.30 | 5.92 | 5.20 | 3.14 | 2.48 | 2.36 | 2.24 | 1.94 | 1.58 | | |
| 23 | 0.00 | 2.30 | 2.36 | 2.96 | 3.50 | 9.40 | 3.08 | 2.48 | 2.36 | 2.24 | 1.88 | 1.52 | | |
| 24 | 0.00 | 2.24 | 2.66 | 2.66 | 3.02 | 4.50 | 3.02 | 2.48 | 2.36 | 2.24 | 1.88 | 1.46 | | |
| 25 | 0.00 | 2.18 | 5.44 | 2.54 | 3.30 | 3.40 | 2.96 | 2.48 | 2.36 | 2.24 | 1.82 | 1.40 | | |
| 26 | 0.00 | 2.18 | 13.00 | 2.96 | 20.40 | 4.30 | 2.90 | 2.48 | 2.36 | 2.24 | 1.82 | 1.35 | | |
| 27 | 0.00 | 2.12 | 32.20 | 9.04 | 55.25 | 9.04 | 2.90 | 2.54 | 2.36 | 2.24 | 1.94 | 1.30 | | |
| 28 | 0.00 | 2.12 | 8.68 | 5.10 | 13.30 | 8.92 | 2.84 | 2.54 | 2.36 | 2.18 | 2.12 | 1.20 | | |
| 29 | 0.00 | 2.18 | 20.60 | 3.40 | 6.40 | 5.92 | 2.84 | 2.48 | 2.36 | 2.18 | | 1.15 | | |
| 30 | 0.00 | 2.36 | 5.68 | 2.90 | 16.20 | 4.60 | 2.84 | 2.48 | 2.36 | 2.18 | | 1.35 | | |
| 31 | | 15.85 | | 3.20 | 96.35 | | 2.84 | | 2.36 | 2.18 | | 1.30 | | |
| Total | 0.00 | 50.10 | 143.48 | 228.01 | 340.48 | 284.80 | 452.23 | 77.28 | 74.06 | 69.98 | 57.14 | 54.47 | 1832.03 | CMSDAY |
| Mean | 0.00 | 1.62 | 4.78 | 7.36 | 10.98 | 9.49 | 14.59 | 2.58 | 2.39 | 2.26 | 2.04 | 1.76 | 5.02 | CMS |
| Max | 0.00 | 15.85 | 32.20 | 31.40 | 96.35 | 65.90 | 76.40 | 2.72 | 2.48 | 2.30 | 2.18 | 2.12 | 96.35 | CMS |
| Min | 0.00 | 0.00 | 2.12 | 2.54 | 2.36 | 3.30 | 2.84 | 2.48 | 2.36 | 2.18 | 1.82 | 1.15 | 0.00 | CMS |
| Runoff | 0.00 | 4.33 | 12.40 | 19.70 | 29.42 | 24.61 | 39.07 | 6.68 | 6.40 | 6.05 | 4.94 | 4.71 | 158.29 | MCM |

Momentary Peak 113.80 CMS, at 254.27 m. (MSL.), at 18.00 Hours, on Aug 31, 2006

Runoff Yield 20.00 Liters/Second/Square KM. Momentary Peak Yield 453.39 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Pao at Ban Nong Muang, Kalasin (E.75)

Lat 16 - 34 - 36 N Long 103 - 26 - 35 E

**Location : on left bank about 3 kilometers downstream from Lam Pao Damsite.**

| | | | |
|---|---|---|---|
| | **Ban** Nong Muang | **Amphoe** Mueang | **Changwat** Kalasin |
| **Drainge Area** | 6,013 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +138.018 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On left bank in front of gage observer's house. | | **Elevation** +149.762 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1987 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1987 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1987 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Flow regulated by Lam Pao Dam. | | |
| | Stage-discharge relation defined by 140 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

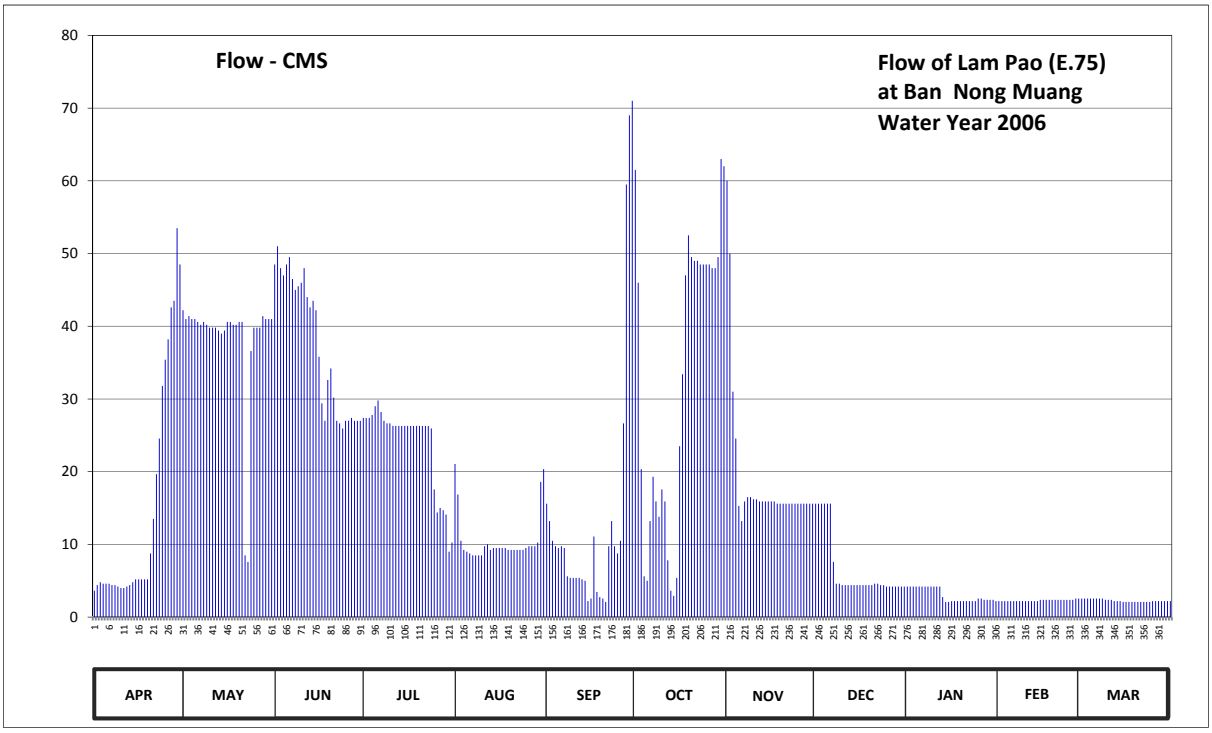
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 137.88 | 139.08 | 139.21 | 138.71 | 138.53 | 138.37 | 139.47 | 139.44 | 138.37 | 137.91 | 137.80 | 137.82 | |
| 2 | 137.92 | 139.05 | 139.26 | 138.71 | 138.41 | 138.29 | 139.16 | 139.24 | 138.37 | 137.91 | 137.80 | 137.82 | |
| 3 | 137.94 | 139.06 | 139.20 | 138.71 | 138.20 | 138.20 | 138.51 | 138.80 | 138.37 | 137.91 | 137.80 | 137.82 | |
| 4 | 137.93 | 139.05 | 139.18 | 138.72 | 138.15 | 138.17 | 137.98 | 138.63 | 138.37 | 137.91 | 137.80 | 137.82 | |
| 5 | 137.93 | 139.05 | 139.21 | 138.75 | 138.14 | 138.16 | 137.95 | 138.36 | 138.37 | 137.91 | 137.80 | 137.82 | |
| 6 | 137.93 | 139.04 | 139.23 | 138.77 | 138.13 | 138.17 | 138.29 | 138.29 | 138.37 | 137.91 | 137.80 | 137.82 | |
| 7 | 137.92 | 139.03 | 139.17 | 138.73 | 138.12 | 138.16 | 138.48 | 138.38 | 138.08 | 137.91 | 137.80 | 137.82 | |
| 8 | 137.92 | 139.04 | 139.14 | 138.70 | 138.12 | 137.98 | 138.38 | 138.40 | 137.93 | 137.91 | 137.80 | 137.82 | |
| 9 | 137.91 | 139.03 | 139.15 | 138.69 | 138.12 | 137.97 | 138.31 | 138.40 | 137.93 | 137.91 | 137.80 | 137.81 | |
| 10 | 137.90 | 139.02 | 139.16 | 138.69 | 138.12 | 137.97 | 138.43 | 138.39 | 137.92 | 137.91 | 137.80 | 137.81 | |
| 11 | 137.90 | 139.02 | 139.20 | 138.68 | 138.17 | 137.97 | 138.38 | 138.39 | 137.92 | 137.91 | 137.80 | 137.81 | |
| 12 | 137.91 | 139.02 | 139.12 | 138.68 | 138.18 | 137.97 | 138.09 | 138.38 | 137.92 | 137.91 | 137.80 | 137.80 | |
| 13 | 137.92 | 139.01 | 139.09 | 138.68 | 138.15 | 137.96 | 137.88 | 138.38 | 137.92 | 137.83 | 137.80 | 137.80 | |
| 14 | 137.94 | 139.00 | 139.11 | 138.68 | 138.16 | 137.95 | 137.84 | 138.38 | 137.92 | 137.79 | 137.80 | 137.80 | |
| 15 | 137.96 | 139.01 | 139.08 | 138.68 | 138.16 | 137.80 | 137.97 | 138.38 | 137.92 | 137.79 | 137.81 | 137.79 | |
| 16 | 137.96 | 139.04 | 138.92 | 138.68 | 138.16 | 137.82 | 138.60 | 138.38 | 137.92 | 137.80 | 137.81 | 137.79 | |
| 17 | 137.96 | 139.04 | 138.76 | 138.68 | 138.16 | 138.22 | 138.86 | 138.38 | 137.92 | 137.80 | 137.81 | 137.79 | |
| 18 | 137.96 | 139.03 | 138.70 | 138.68 | 138.16 | 137.87 | 139.18 | 138.37 | 137.92 | 137.80 | 137.81 | 137.79 | |
| 19 | 137.96 | 139.03 | 138.84 | 138.68 | 138.15 | 137.83 | 139.29 | 138.37 | 137.92 | 137.80 | 137.81 | 137.79 | |
| 20 | 138.13 | 139.04 | 138.88 | 138.68 | 138.15 | 137.82 | 139.23 | 138.37 | 137.92 | 137.80 | 137.81 | 137.79 | |
| 21 | 138.30 | 139.04 | 138.78 | 138.68 | 138.15 | 137.79 | 139.22 | 138.37 | 137.93 | 137.80 | 137.81 | 137.79 | |
| 22 | 138.49 | 138.12 | 138.70 | 138.68 | 138.15 | 138.17 | 139.22 | 138.37 | 137.93 | 137.80 | 137.81 | 137.79 | |
| 23 | 138.63 | 138.08 | 138.69 | 138.68 | 138.15 | 138.29 | 139.21 | 138.37 | 137.92 | 137.80 | 137.81 | 137.79 | |
| 24 | 138.82 | 138.94 | 138.67 | 138.67 | 138.15 | 138.17 | 139.21 | 138.37 | 137.92 | 137.80 | 137.81 | 137.79 | |
| 25 | 138.91 | 139.02 | 138.70 | 138.43 | 138.16 | 138.13 | 139.21 | 138.37 | 137.91 | 137.82 | 137.81 | 137.80 | |
| 26 | 138.98 | 139.02 | 138.70 | 138.33 | 138.17 | 138.20 | 139.21 | 138.37 | 137.91 | 137.82 | 137.81 | 137.80 | |
| 27 | 139.09 | 139.02 | 138.71 | 138.35 | 138.17 | 138.69 | 139.20 | 138.37 | 137.91 | 137.81 | 137.82 | 137.80 | |
| 28 | 139.11 | 139.06 | 138.70 | 138.34 | 138.17 | 139.43 | 139.20 | 138.37 | 137.91 | 137.81 | 137.82 | 137.80 | |
| 29 | 139.31 | 139.05 | 138.70 | 138.32 | 138.19 | 139.62 | 139.23 | 138.37 | 137.91 | 137.81 | | 137.80 | |
| 30 | 139.21 | 139.05 | 138.70 | 138.14 | 138.46 | 139.66 | 139.50 | 138.37 | 137.91 | 137.81 | | 137.80 | |
| 31 | | 139.05 | | 138.19 | 138.51 | | 139.48 | | 137.91 | 137.80 | | 137.80 | |
| Mean | 138.25 | 138.97 | 138.96 | 138.61 | 138.20 | 138.23 | 138.78 | 138.46 | 138.01 | 137.85 | 137.81 | 137.80 | |
| Max | 139.31 | 139.08 | 139.26 | 138.77 | 138.53 | 139.66 | 139.50 | 139.44 | 138.37 | 137.91 | 137.82 | 137.82 | 139.66 |
| Min | 137.88 | 138.08 | 138.67 | 138.14 | 138.12 | 137.79 | 137.84 | 138.29 | 137.91 | 137.79 | 137.80 | 137.79 | 137.79 |

Annual Max Momentary Gage Height 139.70 m. (MSL.) , at 09.00 Hours, on Sep 30, 2006

Zero Gage at Bottom Elevation 138.02 m. (MSL.) , River Bed 137.30 m. (MSL.)

Left Bank Elevation 150.19 m. (MSL.) ,

Right Bank Elevation 150.24 m. (MSL.) , Drainage Are 6,013 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.64 | 42.20 | 48.50 | 27.40 | 21.05 | 15.60 | 61.50 | 60.00 | 15.60 | 4.20 | 2.20 | 2.56 | | |
| 2 | 4.40 | 41.00 | 51.00 | 27.40 | 16.85 | 13.20 | 46.00 | 50.00 | 15.60 | 4.20 | 2.20 | 2.56 | | |
| 3 | 4.80 | 41.40 | 48.00 | 27.40 | 10.50 | 10.50 | 20.35 | 31.00 | 15.60 | 4.20 | 2.20 | 2.56 | | |
| 4 | 4.60 | 41.00 | 47.00 | 27.80 | 9.25 | 9.75 | 5.60 | 24.55 | 15.60 | 4.20 | 2.20 | 2.56 | | |
| 5 | 4.60 | 41.00 | 48.50 | 29.00 | 9.00 | 9.50 | 5.00 | 15.30 | 15.60 | 4.20 | 2.20 | 2.56 | | |
| 6 | 4.60 | 40.60 | 49.50 | 29.80 | 8.75 | 9.75 | 13.20 | 13.20 | 15.60 | 4.20 | 2.20 | 2.56 | | |
| 7 | 4.40 | 40.20 | 46.50 | 28.20 | 8.50 | 9.50 | 19.30 | 15.90 | 7.60 | 4.20 | 2.20 | 2.56 | | |
| 8 | 4.40 | 40.60 | 45.00 | 27.00 | 8.50 | 5.60 | 15.90 | 16.50 | 4.60 | 4.20 | 2.20 | 2.56 | | |
| 9 | 4.20 | 40.20 | 45.50 | 26.65 | 8.50 | 5.40 | 13.80 | 16.50 | 4.60 | 4.20 | 2.20 | 2.38 | | |
| 10 | 4.00 | 39.80 | 46.00 | 26.65 | 8.50 | 5.40 | 17.55 | 16.20 | 4.40 | 4.20 | 2.20 | 2.38 | | |
| 11 | 4.00 | 39.80 | 48.00 | 26.30 | 9.75 | 5.40 | 15.90 | 16.20 | 4.40 | 4.20 | 2.20 | 2.38 | | |
| 12 | 4.20 | 39.80 | 44.00 | 26.30 | 10.00 | 5.40 | 7.80 | 15.90 | 4.40 | 4.20 | 2.20 | 2.20 | | |
| 13 | 4.40 | 39.40 | 42.60 | 26.30 | 9.25 | 5.20 | 3.64 | 15.90 | 4.40 | 2.74 | 2.20 | 2.20 | | |
| 14 | 4.80 | 39.00 | 43.50 | 26.30 | 9.50 | 5.00 | 2.92 | 15.90 | 4.40 | 2.08 | 2.20 | 2.20 | | |
| 15 | 5.20 | 39.40 | 42.20 | 26.30 | 9.50 | 2.20 | 5.40 | 15.90 | 4.40 | 2.08 | 2.38 | 2.08 | | |
| 16 | 5.20 | 40.60 | 35.80 | 26.30 | 9.50 | 2.56 | 23.50 | 15.90 | 4.40 | 2.20 | 2.38 | 2.08 | | |
| 17 | 5.20 | 40.60 | 29.40 | 26.30 | 9.50 | 11.10 | 33.40 | 15.90 | 4.40 | 2.20 | 2.38 | 2.08 | | |
| 18 | 5.20 | 40.20 | 27.00 | 26.30 | 9.50 | 3.46 | 47.00 | 15.60 | 4.40 | 2.20 | 2.38 | 2.08 | | |
| 19 | 5.20 | 40.20 | 32.60 | 26.30 | 9.25 | 2.74 | 52.50 | 15.60 | 4.40 | 2.20 | 2.38 | 2.08 | | |
| 20 | 8.75 | 40.60 | 34.20 | 26.30 | 9.25 | 2.56 | 49.50 | 15.60 | 4.40 | 2.20 | 2.38 | 2.08 | | |
| 21 | 13.50 | 40.60 | 30.20 | 26.30 | 9.25 | 2.08 | 49.00 | 15.60 | 4.60 | 2.20 | 2.38 | 2.08 | | |
| 22 | 19.65 | 8.50 | 27.00 | 26.30 | 9.25 | 9.75 | 49.00 | 15.60 | 4.60 | 2.20 | 2.38 | 2.08 | | |
| 23 | 24.55 | 7.60 | 26.65 | 26.30 | 9.25 | 13.20 | 48.50 | 15.60 | 4.40 | 2.20 | 2.38 | 2.08 | | |
| 24 | 31.80 | 36.60 | 25.95 | 25.95 | 9.25 | 9.75 | 48.50 | 15.60 | 4.40 | 2.20 | 2.38 | 2.08 | | |
| 25 | 35.40 | 39.80 | 27.00 | 17.55 | 9.50 | 8.75 | 48.50 | 15.60 | 4.20 | 2.56 | 2.38 | 2.20 | | |
| 26 | 38.20 | 39.80 | 27.00 | 14.40 | 9.75 | 10.50 | 48.50 | 15.60 | 4.20 | 2.56 | 2.38 | 2.20 | | |
| 27 | 42.60 | 39.80 | 27.40 | 15.00 | 9.75 | 26.65 | 48.00 | 15.60 | 4.20 | 2.38 | 2.56 | 2.20 | | |
| 28 | 43.50 | 41.40 | 27.00 | 14.70 | 9.75 | 59.50 | 48.00 | 15.60 | 4.20 | 2.38 | 2.56 | 2.20 | | |
| 29 | 53.50 | 41.00 | 27.00 | 14.10 | 10.25 | 69.00 | 49.50 | 15.60 | 4.20 | 2.38 | | 2.20 | | |
| 30 | 48.50 | 41.00 | 27.00 | 9.00 | 18.60 | 71.00 | 63.00 | 15.60 | 4.20 | 2.38 | | 2.20 | | |
| 31 | | 41.00 | | 10.25 | 20.35 | | 62.00 | | 4.20 | 2.20 | | 2.20 | | |
| Total | 446.99 | 1184.70 | 1127.00 | 740.15 | 329.35 | 420.00 | 1022.26 | 573.55 | 206.20 | 93.94 | 64.48 | 70.42 | 6279.04 | CMSDAY |
| Mean | 14.90 | 38.22 | 37.57 | 23.88 | 10.62 | 14.00 | 32.98 | 19.12 | 6.65 | 3.03 | 2.30 | 2.27 | 17.20 | CMS |
| Max | 53.50 | 42.20 | 51.00 | 29.80 | 21.05 | 71.00 | 63.00 | 60.00 | 15.60 | 4.20 | 2.56 | 2.56 | 71.00 | CMS |
| Min | 3.64 | 7.60 | 25.95 | 9.00 | 8.50 | 2.08 | 2.92 | 13.20 | 4.20 | 2.08 | 2.20 | 2.08 | 2.08 | CMS |
| Runoff | 38.62 | 102.36 | 97.37 | 63.95 | 28.46 | 36.29 | 88.32 | 49.55 | 17.82 | 8.12 | 5.57 | 6.08 | 542.51 | MCM |

Momentary Peak 73.00 CMS, at 139.70 m. (MSL.), at 09.00 Hours, on Sep 30, 2006

Runoff Yield 2.86 Liters/Second/Square KM. Momentary Peak Yield 12.14 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Huai Sang Ka at Ban Phon, Kalasin (E.76A)

Lat 16 - 51 - 33 N Long 103 - 35 - 53 E

**Location : on left bank at the bridge of Ban Phon - Ban Nong Chang road.**

| | | | |
|---|---|---|---|
| | **Ban** Phon | **Amphoe** Kham Muang | **Changwat** Kalasin |
| **Drainge Area** | 195 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +163.900 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On left bank about 2.50 meters from the top staff gage. | | **Elevation** +173.809 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 14 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

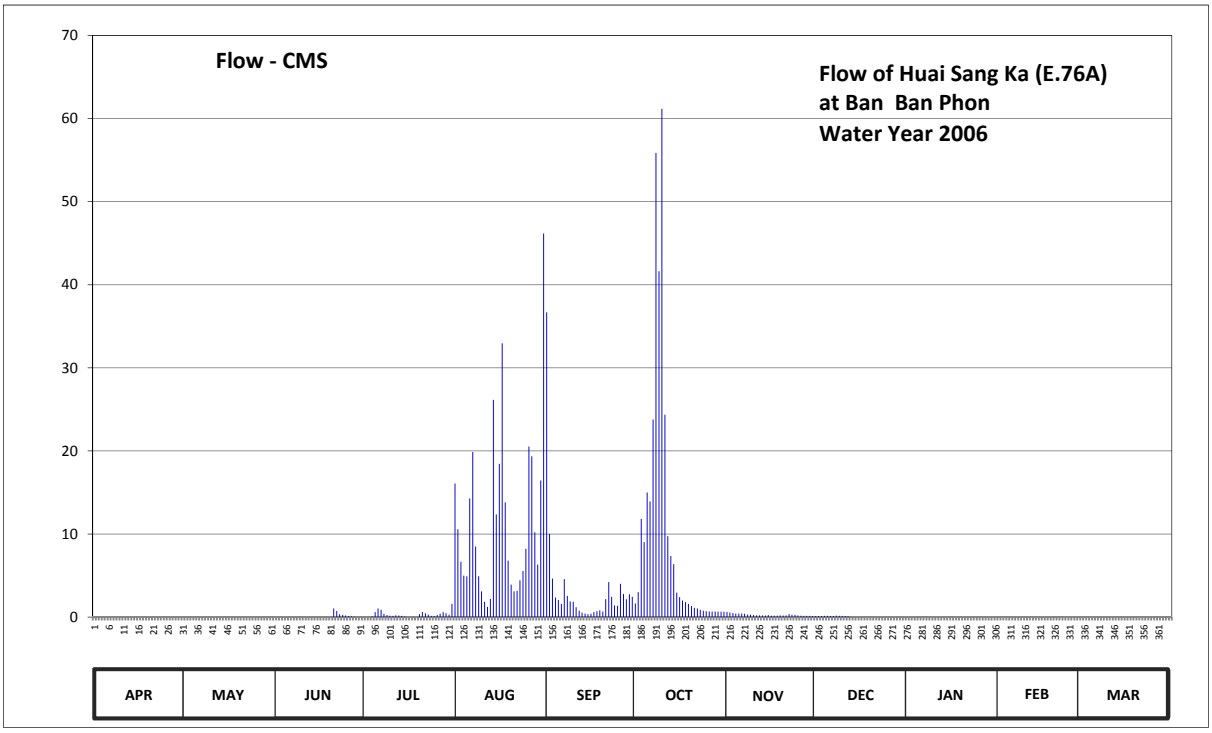
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 164.44 | 164.37 | 164.34 | 164.01 | 166.79 | 168.21 | 164.91 | 164.64 | 164.34 | 164.30 | 164.24 | 164.16 | |
| 2 | 164.68 | 164.39 | 164.35 | 164.11 | 166.24 | 166.18 | 165.20 | 164.62 | 164.34 | 164.31 | 164.23 | 164.18 | |
| 3 | 164.55 | 164.39 | 164.34 | 164.16 | 165.78 | 165.49 | 166.38 | 164.59 | 164.34 | 164.31 | 164.23 | 164.18 | |
| 4 | 164.43 | 164.42 | 164.33 | 164.30 | 165.54 | 165.07 | 166.07 | 164.56 | 164.35 | 164.32 | 164.23 | 164.20 | |
| 5 | 164.38 | 164.37 | 164.32 | 164.63 | 165.53 | 165.01 | 166.70 | 164.56 | 164.35 | 164.35 | 164.22 | 164.18 | |
| 6 | 164.37 | 164.35 | 164.30 | 164.76 | 166.64 | 164.90 | 166.61 | 164.56 | 164.34 | 164.33 | 164.23 | 164.18 | |
| 7 | 164.34 | 164.34 | 164.30 | 164.72 | 167.09 | 165.48 | 167.39 | 164.55 | 164.34 | 164.34 | 164.23 | 164.17 | |
| 8 | 164.32 | 164.31 | 164.28 | 164.55 | 166.01 | 165.11 | 169.18 | 164.50 | 164.37 | 164.31 | 164.23 | 164.16 | |
| 9 | 164.32 | 164.28 | 164.25 | 164.44 | 165.53 | 164.97 | 168.48 | 164.48 | 164.35 | 164.29 | 164.23 | 164.17 | |
| 10 | 164.32 | 164.37 | 164.24 | 164.37 | 165.22 | 164.96 | 169.42 | 164.44 | 164.35 | 164.30 | 164.22 | 164.18 | |
| 11 | 164.32 | 164.30 | 164.19 | 164.35 | 164.96 | 164.80 | 167.43 | 164.42 | 164.34 | 164.30 | 164.22 | 164.18 | |
| 12 | 164.32 | 164.25 | 164.11 | 164.41 | 164.81 | 164.69 | 166.15 | 164.42 | 164.29 | 164.28 | 164.22 | 164.18 | |
| 13 | 164.32 | 164.24 | 164.04 | 164.40 | 165.04 | 164.61 | 165.88 | 164.42 | 164.22 | 164.29 | 164.22 | 164.18 | |
| 14 | 164.31 | 164.28 | 164.01 | 164.35 | 167.55 | 164.56 | 165.74 | 164.40 | 164.15 | 164.30 | 164.21 | 164.19 | |
| 15 | 164.29 | 164.26 | 163.99 | 164.28 | 166.44 | 164.52 | 165.19 | 164.44 | 164.02 | 164.28 | 164.21 | 164.20 | |
| 16 | 164.26 | 164.24 | 163.93 | 164.12 | 166.98 | 164.55 | 165.08 | 164.38 | 164.10 | 164.28 | 164.23 | 164.20 | |
| 17 | 164.23 | 164.24 | 163.90 | 164.20 | 167.99 | 164.63 | 165.00 | 164.37 | 164.27 | 164.22 | 164.23 | 164.21 | |
| 18 | 164.23 | 164.23 | 163.90 | 164.21 | 166.60 | 164.67 | 164.95 | 164.38 | 164.21 | 164.17 | 164.23 | 164.21 | |
| 19 | 164.24 | 164.23 | 163.90 | 164.16 | 165.80 | 164.70 | 164.90 | 164.41 | 164.28 | 164.20 | 164.24 | 164.20 | |
| 20 | 164.26 | 164.23 | 163.94 | 164.52 | 165.38 | 164.66 | 164.83 | 164.39 | 164.31 | 164.22 | 164.25 | 164.21 | |
| 21 | 164.25 | 164.23 | 164.76 | 164.64 | 165.22 | 165.03 | 164.78 | 164.42 | 164.32 | 164.27 | 164.25 | 164.23 | |
| 22 | 164.24 | 164.26 | 164.68 | 164.58 | 165.23 | 165.43 | 164.76 | 164.52 | 164.33 | 164.34 | 164.23 | 164.23 | |
| 23 | 164.24 | 164.33 | 164.52 | 164.50 | 165.46 | 165.09 | 164.72 | 164.49 | 164.32 | 164.34 | 164.24 | 164.24 | |
| 24 | 164.23 | 164.36 | 164.46 | 164.36 | 165.62 | 164.85 | 164.69 | 164.47 | 164.35 | 164.29 | 164.22 | 164.24 | |
| 25 | 164.23 | 164.35 | 164.40 | 164.34 | 165.98 | 164.84 | 164.67 | 164.41 | 164.40 | 164.24 | 164.19 | 164.25 | |
| 26 | 164.24 | 164.34 | 164.33 | 164.45 | 167.14 | 165.40 | 164.66 | 164.37 | 164.38 | 164.27 | 164.17 | 164.25 | |
| 27 | 164.25 | 164.32 | 164.30 | 164.55 | 167.05 | 165.16 | 164.66 | 164.36 | 164.33 | 164.29 | 164.17 | 164.25 | |
| 28 | 164.24 | 164.32 | 164.23 | 164.63 | 166.20 | 165.03 | 164.66 | 164.36 | 164.31 | 164.28 | 164.17 | 164.25 | |
| 29 | 164.39 | 164.31 | 164.13 | 164.58 | 165.73 | 165.15 | 164.65 | 164.35 | 164.30 | 164.28 | | 164.25 | |
| 30 | 164.38 | 164.32 | 163.98 | 164.49 | 166.82 | 165.09 | 164.65 | 164.34 | 164.29 | 164.30 | | 164.25 | |
| 31 | | 164.32 | | 164.90 | 168.72 | | 164.65 | | 164.31 | 164.27 | | 164.25 | |
| Mean | 164.32 | 164.31 | 164.22 | 164.42 | 166.16 | 165.09 | 165.71 | 164.45 | 164.30 | 164.29 | 164.22 | 164.21 | |
| Max | 164.68 | 164.42 | 164.76 | 164.90 | 168.72 | 168.21 | 169.42 | 164.64 | 164.40 | 164.35 | 164.25 | 164.25 | 169.42 |
| Min | 164.23 | 164.23 | 163.90 | 164.01 | 164.81 | 164.52 | 164.65 | 164.34 | 164.02 | 164.17 | 164.17 | 164.16 | 163.90 |

Annual Max Momentary Gage Height 169.93 m. (MSL.) , at 14.00 Hours, on Oct 10, 2006

Zero Gage at Bottom Elevation 163.90 m. (MSL.) , River Bed 163.89 m. (MSL.)

Left Bank Elevation 173.64 m. (MSL.) ,

Right Bank Elevation 173.59 m. (MSL.) , Drainage Are 195 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 16.08 | 36.68 | 1.64 | 0.62 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 10.56 | 10.02 | 3.00 | 0.56 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 6.66 | 4.63 | 11.82 | 0.48 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.10 | 4.98 | 2.35 | 9.03 | 0.42 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.59 | 4.91 | 2.05 | 15.00 | 0.42 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 1.04 | 14.28 | 1.60 | 13.92 | 0.42 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.88 | 19.87 | 4.56 | 23.77 | 0.40 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.40 | 8.49 | 2.55 | 55.86 | 0.30 | 0.17 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.24 | 4.91 | 1.88 | 41.62 | 0.28 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.17 | 3.10 | 1.84 | 61.18 | 0.24 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.15 | 1.84 | 1.20 | 24.35 | 0.22 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.21 | 1.24 | 0.77 | 9.75 | 0.22 | 0.09 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.20 | 2.20 | 0.53 | 7.36 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.15 | 26.15 | 0.42 | 6.38 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.08 | 12.36 | 0.34 | 2.95 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 18.44 | 0.40 | 2.40 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 32.94 | 0.59 | 2.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.01 | 13.80 | 0.71 | 1.80 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 6.80 | 0.80 | 1.60 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.34 | 3.90 | 0.68 | 1.32 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 1.04 | 0.62 | 3.10 | 2.15 | 1.12 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.74 | 0.46 | 3.15 | 4.21 | 1.04 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.34 | 0.30 | 4.42 | 2.45 | 0.88 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.26 | 0.16 | 5.54 | 1.40 | 0.77 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.20 | 0.14 | 8.22 | 1.36 | 0.71 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.13 | 0.25 | 20.52 | 4.00 | 0.68 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.10 | 0.40 | 19.35 | 2.80 | 0.68 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.03 | 0.59 | 10.20 | 2.15 | 0.68 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.46 | 6.31 | 2.75 | 0.65 | 0.15 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.29 | 16.44 | 2.45 | 0.65 | 0.14 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 1.60 | 46.18 | | 0.65 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 2.84 | 9.83 | 356.94 | 100.32 | 305.26 | 8.28 | 1.72 | 0.00 | 0.00 | 0.00 | 785.19 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.09 | 0.32 | 11.51 | 3.34 | 9.85 | 0.28 | 0.06 | 0.00 | 0.00 | 0.00 | 2.15 | CMS |
| Max | 0.00 | 0.00 | 1.04 | 1.60 | 46.18 | 36.68 | 61.18 | 0.62 | 0.17 | 0.00 | 0.00 | 0.00 | 61.18 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 1.24 | 0.34 | 0.65 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.25 | 0.85 | 30.84 | 8.67 | 26.37 | 0.72 | 0.15 | 0.00 | 0.00 | 0.00 | 67.84 | MCM |

Momentary Peak 73.42 CMS, at 169.93 m. (MSL.), at 14.00 Hours, on Oct 10, 2006

Runoff Yield 11.03 Liters/Second/Square KM. Momentary Peak Yield 376.51 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Saphung at Ban Na Charoen , Chaiyaphum (E.83)

Lat 16 - 09 - 21 N Long 101 - 39 - 13 E

**Location : on left bank at Ban Na Charoen.**

| | | | |
|---|---|---|---|
| | **Ban** Na Charoen | **Amphoe** Nong Bua Daeng | **Changwat** Chaiyaphum |
| **Drainge Area** | 744 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +222.750 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | **Elevation** +236.237 m. (MSL.) | |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

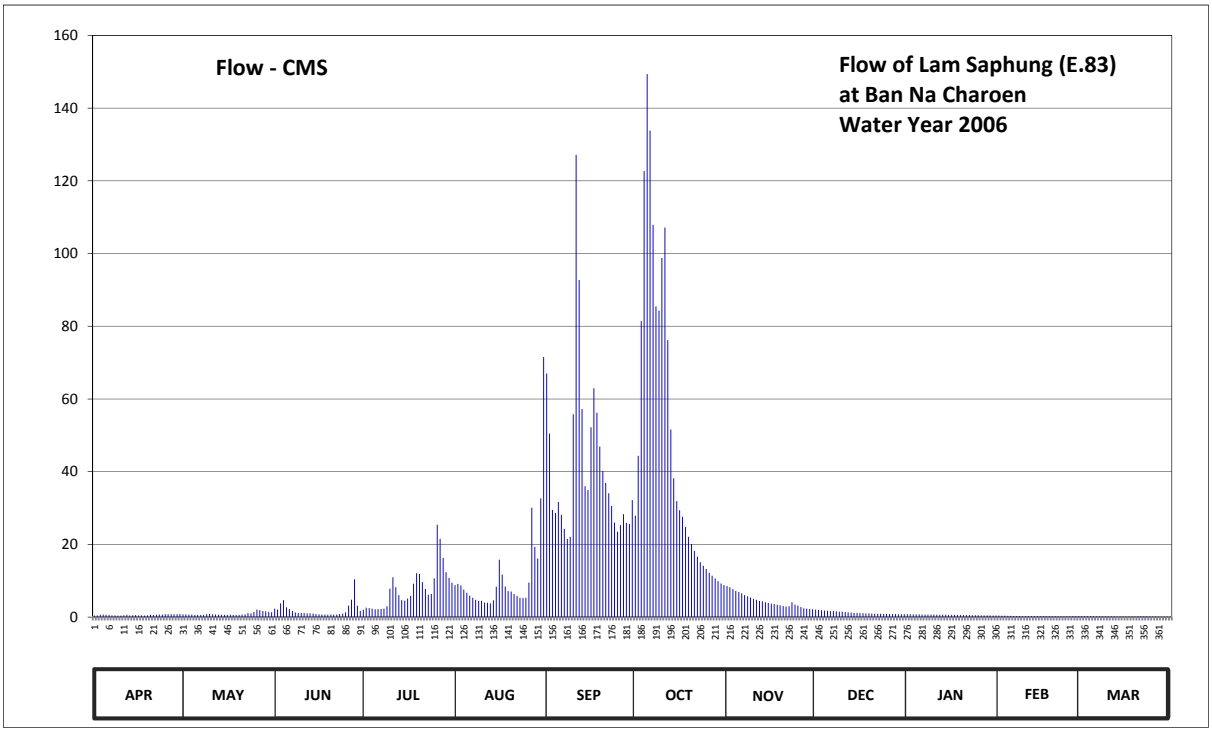
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 223.22 | 223.38 | 223.94 | 223.84 | 225.13 | 229.75 | 227.29 | 225.09 | 223.85 | 223.39 | 223.21 | 223.13 | |
| 2 | 223.24 | 223.37 | 223.86 | 224.02 | 225.19 | 228.97 | 228.61 | 225.04 | 223.83 | 223.39 | 223.20 | 223.13 | |
| 3 | 223.33 | 223.36 | 224.26 | 223.98 | 225.12 | 227.45 | 230.29 | 224.95 | 223.80 | 223.38 | 223.19 | 223.13 | |
| 4 | 223.36 | 223.34 | 224.43 | 223.94 | 224.93 | 227.36 | 231.56 | 224.87 | 223.77 | 223.37 | 223.18 | 223.12 | |
| 5 | 223.32 | 223.31 | 224.04 | 223.89 | 224.78 | 227.64 | 232.23 | 224.82 | 223.75 | 223.37 | 223.17 | 223.12 | |
| 6 | 223.28 | 223.30 | 223.90 | 223.90 | 224.65 | 227.31 | 231.86 | 224.76 | 223.73 | 223.36 | 223.16 | 223.11 | |
| 7 | 223.24 | 223.30 | 223.72 | 223.92 | 224.55 | 226.93 | 231.16 | 224.68 | 223.72 | 223.36 | 223.15 | 223.11 | |
| 8 | 223.23 | 223.31 | 223.59 | 223.94 | 224.45 | 226.65 | 230.43 | 224.62 | 223.69 | 223.34 | 223.15 | 223.11 | |
| 9 | 223.22 | 223.40 | 223.54 | 224.10 | 224.40 | 226.71 | 230.39 | 224.56 | 223.67 | 223.34 | 223.14 | 223.11 | |
| 10 | 223.21 | 223.44 | 223.55 | 224.97 | 224.40 | 229.24 | 230.89 | 224.50 | 223.66 | 223.34 | 223.13 | 223.10 | |
| 11 | 223.27 | 223.38 | 223.54 | 225.49 | 224.30 | 231.68 | 231.14 | 224.45 | 223.64 | 223.33 | 223.13 | 223.10 | |
| 12 | 223.33 | 223.35 | 223.52 | 225.04 | 224.29 | 230.68 | 230.11 | 224.39 | 223.61 | 223.33 | 223.13 | 223.10 | |
| 13 | 223.24 | 223.33 | 223.50 | 224.67 | 224.26 | 229.31 | 229.03 | 224.37 | 223.58 | 223.32 | 223.13 | 223.09 | |
| 14 | 223.26 | 223.32 | 223.48 | 224.43 | 224.42 | 228.00 | 228.17 | 224.32 | 223.55 | 223.32 | 223.13 | 223.09 | |
| 15 | 223.28 | 223.31 | 223.41 | 224.41 | 225.06 | 227.91 | 227.66 | 224.28 | 223.54 | 223.31 | 223.13 | 223.09 | |
| 16 | 223.25 | 223.31 | 223.37 | 224.52 | 226.08 | 229.06 | 227.44 | 224.24 | 223.53 | 223.31 | 223.12 | 223.09 | |
| 17 | 223.23 | 223.32 | 223.35 | 224.64 | 225.59 | 229.58 | 227.26 | 224.21 | 223.52 | 223.31 | 223.12 | 223.09 | |
| 18 | 223.22 | 223.31 | 223.34 | 225.20 | 225.07 | 229.26 | 226.98 | 224.18 | 223.51 | 223.30 | 223.12 | 223.09 | |
| 19 | 223.24 | 223.30 | 223.33 | 225.63 | 224.86 | 228.76 | 226.71 | 224.15 | 223.50 | 223.29 | 223.12 | 223.09 | |
| 20 | 223.32 | 223.29 | 223.34 | 225.61 | 224.84 | 228.32 | 226.51 | 224.11 | 223.49 | 223.29 | 223.12 | 223.11 | |
| 21 | 223.31 | 223.34 | 223.35 | 225.27 | 224.72 | 228.07 | 226.32 | 224.08 | 223.47 | 223.28 | 223.11 | 223.11 | |
| 22 | 223.33 | 223.38 | 223.35 | 224.96 | 224.64 | 227.84 | 226.16 | 224.10 | 223.46 | 223.28 | 223.11 | 223.10 | |
| 23 | 223.35 | 223.53 | 223.41 | 224.69 | 224.55 | 227.55 | 226.01 | 224.32 | 223.45 | 223.27 | 223.11 | 223.10 | |
| 24 | 223.35 | 223.51 | 223.49 | 224.73 | 224.54 | 227.10 | 225.89 | 224.19 | 223.44 | 223.27 | 223.11 | 223.09 | |
| 25 | 223.40 | 223.64 | 223.60 | 225.44 | 224.55 | 226.85 | 225.78 | 224.13 | 223.43 | 223.26 | 223.11 | 223.09 | |
| 26 | 223.40 | 223.85 | 224.13 | 227.04 | 225.25 | 227.03 | 225.65 | 224.05 | 223.42 | 223.25 | 223.12 | 223.08 | |
| 27 | 223.39 | 223.80 | 224.46 | 226.65 | 227.51 | 227.33 | 225.55 | 223.97 | 223.41 | 223.25 | 223.13 | 223.07 | |
| 28 | 223.38 | 223.73 | 225.40 | 226.13 | 226.43 | 227.09 | 225.44 | 223.94 | 223.41 | 223.24 | 223.14 | 223.07 | |
| 29 | 223.40 | 223.70 | 224.12 | 225.67 | 226.11 | 227.06 | 225.32 | 223.91 | 223.40 | 223.23 | | 223.07 | |
| 30 | 223.42 | 223.65 | 223.74 | 225.46 | 227.72 | 227.68 | 225.21 | 223.88 | 223.40 | 223.22 | | 223.07 | |
| 31 | | 223.61 | | 225.24 | 229.94 | | 225.13 | | 223.40 | 223.22 | | 223.07 | |
| Mean | 223.30 | 223.43 | 223.74 | 224.88 | 225.24 | 228.14 | 228.01 | 224.37 | 223.57 | 223.31 | 223.14 | 223.10 | |
| Max | 223.42 | 223.85 | 225.40 | 227.04 | 229.94 | 231.68 | 232.23 | 225.09 | 223.85 | 223.39 | 223.21 | 223.13 | 232.23 |
| Min | 223.21 | 223.29 | 223.33 | 223.84 | 224.26 | 226.65 | 225.13 | 223.88 | 223.40 | 223.22 | 223.11 | 223.07 | 223.07 |

Annual Max Momentary Gage Height 232.40 m. (MSL.) , at 06.00 Hours, on Oct 5, 2006

Zero Gage at Bottom Elevation 222.75 m. (MSL.) , River Bed 222.72 m. (MSL.)

Left Bank Elevation 235.95 m. (MSL.) ,

Right Bank Elevation 235.91 m. (MSL.) , Drainage Are 744 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.44 | 0.76 | 2.32 | 2.02 | 8.78 | 67.00 | 27.90 | 8.54 | 2.05 | 0.78 | 0.42 | 0.26 | | |
| 2 | 0.48 | 0.74 | 2.08 | 2.60 | 9.14 | 50.49 | 44.37 | 8.24 | 1.99 | 0.78 | 0.40 | 0.26 | | |
| 3 | 0.66 | 0.72 | 3.80 | 2.44 | 8.72 | 29.50 | 81.41 | 7.70 | 1.90 | 0.76 | 0.38 | 0.26 | | |
| 4 | 0.72 | 0.68 | 4.65 | 2.32 | 7.58 | 28.60 | 122.72 | 7.22 | 1.81 | 0.74 | 0.36 | 0.24 | | |
| 5 | 0.64 | 0.62 | 2.70 | 2.17 | 6.68 | 31.68 | 149.35 | 6.92 | 1.75 | 0.74 | 0.34 | 0.24 | | |
| 6 | 0.56 | 0.60 | 2.20 | 2.20 | 5.90 | 28.10 | 133.82 | 6.56 | 1.69 | 0.72 | 0.32 | 0.22 | | |
| 7 | 0.48 | 0.60 | 1.66 | 2.26 | 5.30 | 24.30 | 107.92 | 6.08 | 1.66 | 0.72 | 0.30 | 0.22 | | |
| 8 | 0.46 | 0.62 | 1.27 | 2.32 | 4.75 | 21.50 | 85.47 | 5.72 | 1.57 | 0.68 | 0.30 | 0.22 | | |
| 9 | 0.44 | 0.80 | 1.12 | 3.00 | 4.50 | 22.10 | 84.31 | 5.36 | 1.51 | 0.68 | 0.28 | 0.22 | | |
| 10 | 0.42 | 0.88 | 1.15 | 7.82 | 4.50 | 55.80 | 98.81 | 5.00 | 1.48 | 0.68 | 0.26 | 0.20 | | |
| 11 | 0.54 | 0.76 | 1.12 | 10.94 | 4.00 | 127.16 | 107.18 | 4.75 | 1.42 | 0.66 | 0.26 | 0.20 | | |
| 12 | 0.66 | 0.70 | 1.06 | 8.24 | 3.95 | 92.72 | 76.19 | 4.45 | 1.33 | 0.66 | 0.26 | 0.20 | | |
| 13 | 0.48 | 0.66 | 1.00 | 6.02 | 3.80 | 57.20 | 51.60 | 4.35 | 1.24 | 0.64 | 0.26 | 0.18 | | |
| 14 | 0.52 | 0.64 | 0.96 | 4.65 | 4.60 | 36.00 | 38.21 | 4.10 | 1.15 | 0.64 | 0.26 | 0.18 | | |
| 15 | 0.56 | 0.62 | 0.82 | 4.55 | 8.36 | 34.92 | 31.92 | 3.90 | 1.12 | 0.62 | 0.26 | 0.18 | | |
| 16 | 0.50 | 0.62 | 0.74 | 5.12 | 15.80 | 52.20 | 29.40 | 3.70 | 1.09 | 0.62 | 0.24 | 0.18 | | |
| 17 | 0.46 | 0.64 | 0.70 | 5.84 | 11.72 | 62.92 | 27.60 | 3.55 | 1.06 | 0.62 | 0.24 | 0.18 | | |
| 18 | 0.44 | 0.62 | 0.68 | 9.20 | 8.42 | 56.20 | 24.80 | 3.40 | 1.03 | 0.60 | 0.24 | 0.18 | | |
| 19 | 0.48 | 0.60 | 0.66 | 12.04 | 7.16 | 46.92 | 22.10 | 3.25 | 1.00 | 0.58 | 0.24 | 0.18 | | |
| 20 | 0.64 | 0.58 | 0.68 | 11.88 | 7.04 | 40.16 | 20.10 | 3.05 | 0.98 | 0.58 | 0.24 | 0.22 | | |
| 21 | 0.62 | 0.68 | 0.70 | 9.62 | 6.32 | 36.91 | 18.20 | 2.90 | 0.94 | 0.56 | 0.22 | 0.22 | | |
| 22 | 0.66 | 0.76 | 0.70 | 7.76 | 5.84 | 34.08 | 16.60 | 3.00 | 0.92 | 0.56 | 0.22 | 0.20 | | |
| 23 | 0.70 | 1.09 | 0.82 | 6.14 | 5.30 | 30.60 | 15.10 | 4.10 | 0.90 | 0.54 | 0.22 | 0.20 | | |
| 24 | 0.70 | 1.03 | 0.98 | 6.38 | 5.24 | 26.00 | 14.12 | 3.45 | 0.88 | 0.54 | 0.22 | 0.18 | | |
| 25 | 0.80 | 1.42 | 1.30 | 10.64 | 5.30 | 23.50 | 13.24 | 3.15 | 0.86 | 0.52 | 0.22 | 0.18 | | |
| 26 | 0.80 | 2.05 | 3.15 | 25.40 | 9.50 | 25.30 | 12.20 | 2.75 | 0.84 | 0.50 | 0.24 | 0.16 | | |
| 27 | 0.78 | 1.90 | 4.80 | 21.50 | 30.12 | 28.30 | 11.40 | 2.41 | 0.82 | 0.50 | 0.26 | 0.14 | | |
| 28 | 0.76 | 1.69 | 10.40 | 16.30 | 19.30 | 25.90 | 10.64 | 2.32 | 0.82 | 0.48 | 0.28 | 0.14 | | |
| 29 | 0.80 | 1.60 | 3.10 | 12.36 | 16.10 | 25.60 | 9.92 | 2.23 | 0.80 | 0.46 | | 0.14 | | |
| 30 | 0.84 | 1.45 | 1.72 | 10.76 | 32.64 | 32.16 | 9.26 | 2.14 | 0.80 | 0.44 | | 0.14 | | |
| 31 | | 1.33 | | 9.44 | 71.56 | | 8.78 | | 0.80 | 0.44 | | 0.14 | | |
| Total | 18.04 | 28.46 | 59.04 | 243.93 | 347.92 | 1253.82 | 1504.64 | 134.29 | 38.21 | 19.04 | 7.74 | 6.06 | 3661.19 | CMSDAY |
| Mean | 0.60 | 0.92 | 1.97 | 7.87 | 11.22 | 41.79 | 48.54 | 4.48 | 1.23 | 0.61 | 0.28 | 0.20 | 10.03 | CMS |
| Max | 0.84 | 2.05 | 10.40 | 25.40 | 71.56 | 127.16 | 149.35 | 8.54 | 2.05 | 0.78 | 0.42 | 0.26 | 149.35 | CMS |
| Min | 0.42 | 0.58 | 0.66 | 2.02 | 3.80 | 21.50 | 8.78 | 2.14 | 0.80 | 0.44 | 0.22 | 0.14 | 0.14 | CMS |
| Runoff | 1.56 | 2.46 | 5.10 | 21.08 | 30.06 | 108.33 | 130.00 | 11.60 | 3.30 | 1.65 | 0.67 | 0.52 | 316.33 | MCM |

Momentary Peak 157.00 CMS, at 232.40 m. (MSL.), at 06.00 Hours, on Oct 5, 2006

Runoff Yield 13.48 Liters/Second/Square KM. Momentary Peak Yield 211.02 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Nang Dad Khok , Chaiyaphum (E.84)

Lat 16 - 09 - 08 N Long 101 - 35 - 07 E

**Location : on left bank at Ban Nang Dad Khok.**

| | | | |
|---|---|---|---|
| | **Ban** Nang Dad Khok | **Amphoe** Nong Bua Daeng | **Changwat** Chaiyaphum |
| **Drainge Area** | 508 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +237.650 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | | **Elevation** +246.755 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

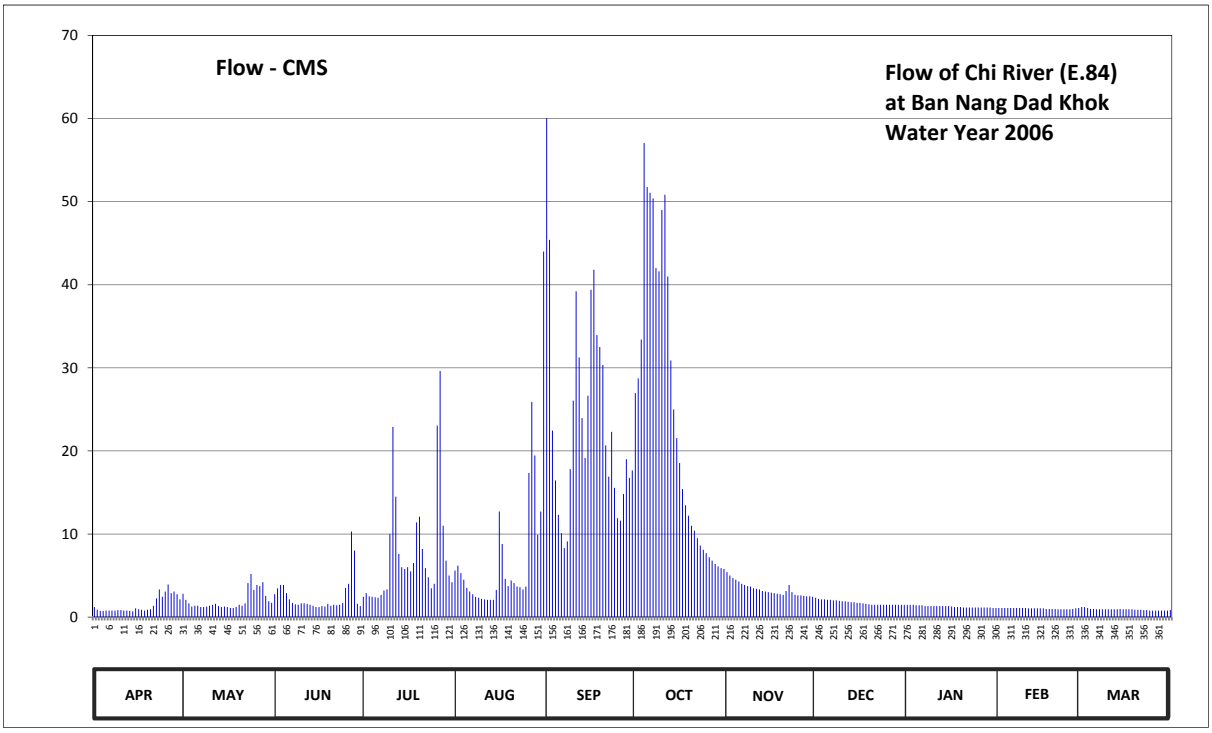
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 239.25 | 239.52 | 239.51 | 239.46 | 239.86 | 243.18 | 241.53 | 239.84 | 239.44 | 239.30 | 239.23 | 239.25 | |
| 2 | 239.19 | 239.40 | 239.62 | 239.53 | 239.92 | 242.52 | 241.64 | 239.80 | 239.42 | 239.30 | 239.23 | 239.25 | |
| 3 | 239.16 | 239.33 | 239.68 | 239.47 | 239.83 | 241.23 | 241.90 | 239.77 | 239.41 | 239.30 | 239.23 | 239.23 | |
| 4 | 239.16 | 239.26 | 239.68 | 239.46 | 239.75 | 240.83 | 243.05 | 239.75 | 239.41 | 239.29 | 239.23 | 239.21 | |
| 5 | 239.17 | 239.28 | 239.53 | 239.45 | 239.63 | 240.53 | 242.82 | 239.73 | 239.40 | 239.29 | 239.23 | 239.21 | |
| 6 | 239.17 | 239.28 | 239.41 | 239.44 | 239.56 | 240.31 | 242.79 | 239.70 | 239.40 | 239.29 | 239.23 | 239.20 | |
| 7 | 239.17 | 239.25 | 239.34 | 239.50 | 239.51 | 240.13 | 242.76 | 239.68 | 239.39 | 239.27 | 239.23 | 239.20 | |
| 8 | 239.17 | 239.25 | 239.31 | 239.58 | 239.46 | 240.21 | 242.35 | 239.66 | 239.39 | 239.27 | 239.23 | 239.20 | |
| 9 | 239.18 | 239.26 | 239.30 | 239.60 | 239.44 | 240.92 | 242.33 | 239.65 | 239.38 | 239.27 | 239.23 | 239.20 | |
| 10 | 239.18 | 239.28 | 239.33 | 240.30 | 239.42 | 241.47 | 242.70 | 239.62 | 239.37 | 239.27 | 239.23 | 239.20 | |
| 11 | 239.17 | 239.30 | 239.33 | 241.26 | 239.41 | 242.21 | 242.78 | 239.61 | 239.37 | 239.27 | 239.22 | 239.20 | |
| 12 | 239.17 | 239.32 | 239.32 | 240.70 | 239.40 | 241.78 | 242.30 | 239.60 | 239.36 | 239.27 | 239.22 | 239.20 | |
| 13 | 239.16 | 239.27 | 239.30 | 240.06 | 239.40 | 241.33 | 241.76 | 239.57 | 239.35 | 239.27 | 239.22 | 239.20 | |
| 14 | 239.15 | 239.25 | 239.28 | 239.90 | 239.40 | 241.01 | 241.40 | 239.56 | 239.35 | 239.27 | 239.22 | 239.21 | |
| 15 | 239.22 | 239.26 | 239.25 | 239.88 | 239.59 | 241.51 | 241.17 | 239.55 | 239.34 | 239.27 | 239.22 | 239.20 | |
| 16 | 239.20 | 239.25 | 239.25 | 239.90 | 240.57 | 242.22 | 240.97 | 239.54 | 239.34 | 239.26 | 239.22 | 239.20 | |
| 17 | 239.19 | 239.23 | 239.27 | 239.85 | 240.18 | 242.34 | 240.76 | 239.53 | 239.33 | 239.25 | 239.21 | 239.20 | |
| 18 | 239.17 | 239.23 | 239.26 | 239.95 | 239.76 | 241.93 | 240.63 | 239.52 | 239.32 | 239.25 | 239.21 | 239.20 | |
| 19 | 239.19 | 239.25 | 239.32 | 240.44 | 239.66 | 241.85 | 240.52 | 239.51 | 239.31 | 239.25 | 239.21 | 239.19 | |
| 20 | 239.20 | 239.30 | 239.28 | 240.51 | 239.74 | 241.73 | 240.40 | 239.50 | 239.30 | 239.24 | 239.21 | 239.19 | |
| 21 | 239.28 | 239.28 | 239.30 | 240.12 | 239.71 | 241.11 | 240.34 | 239.57 | 239.30 | 239.24 | 239.20 | 239.19 | |
| 22 | 239.43 | 239.33 | 239.29 | 239.89 | 239.65 | 240.86 | 240.25 | 239.68 | 239.30 | 239.24 | 239.20 | 239.18 | |
| 23 | 239.60 | 239.71 | 239.30 | 239.78 | 239.64 | 241.22 | 240.16 | 239.55 | 239.30 | 239.24 | 239.20 | 239.18 | |
| 24 | 239.46 | 239.82 | 239.34 | 239.62 | 239.60 | 240.77 | 240.11 | 239.50 | 239.30 | 239.24 | 239.20 | 239.17 | |
| 25 | 239.56 | 239.59 | 239.63 | 239.70 | 239.65 | 240.49 | 240.07 | 239.49 | 239.30 | 239.24 | 239.20 | 239.17 | |
| 26 | 239.69 | 239.68 | 239.70 | 241.27 | 240.89 | 240.46 | 240.02 | 239.49 | 239.30 | 239.24 | 239.21 | 239.17 | |
| 27 | 239.53 | 239.66 | 240.33 | 241.69 | 241.46 | 240.72 | 239.98 | 239.48 | 239.30 | 239.24 | 239.22 | 239.17 | |
| 28 | 239.56 | 239.72 | 240.10 | 240.40 | 241.03 | 241.00 | 239.94 | 239.47 | 239.30 | 239.24 | 239.23 | 239.17 | |
| 29 | 239.51 | 239.48 | 239.32 | 239.98 | 240.29 | 240.85 | 239.91 | 239.47 | 239.30 | 239.24 | | 239.17 | |
| 30 | 239.41 | 239.37 | 239.27 | 239.80 | 240.57 | 240.91 | 239.89 | 239.46 | 239.30 | 239.23 | | 239.17 | |
| 31 | | 239.34 | | 239.72 | 242.45 | | 239.88 | | 239.30 | 239.23 | | 239.18 | |
| Mean | 239.29 | 239.38 | 239.44 | 240.01 | 239.95 | 241.25 | 241.20 | 239.59 | 239.34 | 239.26 | 239.22 | 239.20 | |
| Max | 239.69 | 239.82 | 240.33 | 241.69 | 242.45 | 243.18 | 243.05 | 239.84 | 239.44 | 239.30 | 239.23 | 239.25 | 243.18 |
| Min | 239.15 | 239.23 | 239.25 | 239.44 | 239.40 | 240.13 | 239.88 | 239.46 | 239.30 | 239.23 | 239.20 | 239.17 | 239.15 |

Annual Max Momentary Gage Height 243.35 m. (MSL.) , at 18.00 Hours, on Oct 4, 2006

Zero Gage at Bottom Elevation 237.65 m. (MSL.) , River Bed 238.35 m. (MSL.)

Left Bank Elevation 246.45 m. (MSL.) ,

Right Bank Elevation 246.45 m. (MSL.) , Drainage Are 508 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.21 | 2.81 | 2.75 | 2.44 | 5.60 | 60.04 | 26.95 | 5.40 | 2.32 | 1.48 | 1.10 | 1.21 | | |
| 2 | 0.89 | 2.08 | 3.46 | 2.88 | 6.20 | 45.40 | 28.72 | 5.00 | 2.20 | 1.48 | 1.10 | 1.21 | | |
| 3 | 0.74 | 1.66 | 3.87 | 2.50 | 5.30 | 22.45 | 33.40 | 4.70 | 2.14 | 1.48 | 1.10 | 1.10 | | |
| 4 | 0.74 | 1.26 | 3.87 | 2.44 | 4.50 | 16.45 | 57.05 | 4.50 | 2.14 | 1.43 | 1.10 | 0.99 | | |
| 5 | 0.79 | 1.37 | 2.88 | 2.38 | 3.53 | 12.30 | 51.76 | 4.30 | 2.08 | 1.43 | 1.10 | 0.99 | | |
| 6 | 0.79 | 1.37 | 2.14 | 2.32 | 3.07 | 10.10 | 51.07 | 4.00 | 2.08 | 1.43 | 1.10 | 0.94 | | |
| 7 | 0.79 | 1.21 | 1.72 | 2.68 | 2.75 | 8.30 | 50.38 | 3.87 | 2.02 | 1.32 | 1.10 | 0.94 | | |
| 8 | 0.79 | 1.21 | 1.54 | 3.20 | 2.44 | 9.10 | 42.00 | 3.73 | 2.02 | 1.32 | 1.10 | 0.94 | | |
| 9 | 0.84 | 1.26 | 1.48 | 3.33 | 2.32 | 17.80 | 41.60 | 3.67 | 1.96 | 1.32 | 1.10 | 0.94 | | |
| 10 | 0.84 | 1.37 | 1.66 | 10.00 | 2.20 | 26.05 | 49.00 | 3.46 | 1.90 | 1.32 | 1.10 | 0.94 | | |
| 11 | 0.79 | 1.48 | 1.66 | 22.90 | 2.14 | 39.20 | 50.84 | 3.40 | 1.90 | 1.32 | 1.05 | 0.94 | | |
| 12 | 0.79 | 1.60 | 1.60 | 14.50 | 2.08 | 31.24 | 41.00 | 3.33 | 1.84 | 1.32 | 1.05 | 0.94 | | |
| 13 | 0.74 | 1.32 | 1.48 | 7.60 | 2.08 | 23.95 | 30.88 | 3.14 | 1.78 | 1.32 | 1.05 | 0.94 | | |
| 14 | 0.69 | 1.21 | 1.37 | 6.00 | 2.08 | 19.15 | 25.00 | 3.07 | 1.78 | 1.32 | 1.05 | 0.99 | | |
| 15 | 1.05 | 1.26 | 1.21 | 5.80 | 3.27 | 26.65 | 21.55 | 3.01 | 1.72 | 1.32 | 1.05 | 0.94 | | |
| 16 | 0.94 | 1.21 | 1.21 | 6.00 | 12.70 | 39.40 | 18.55 | 2.94 | 1.72 | 1.26 | 1.05 | 0.94 | | |
| 17 | 0.89 | 1.10 | 1.32 | 5.50 | 8.80 | 41.80 | 15.40 | 2.88 | 1.66 | 1.21 | 0.99 | 0.94 | | |
| 18 | 0.79 | 1.10 | 1.26 | 6.50 | 4.60 | 33.94 | 13.45 | 2.81 | 1.60 | 1.21 | 0.99 | 0.94 | | |
| 19 | 0.89 | 1.21 | 1.60 | 11.40 | 3.73 | 32.50 | 12.20 | 2.75 | 1.54 | 1.21 | 0.99 | 0.89 | | |
| 20 | 0.94 | 1.48 | 1.37 | 12.10 | 4.40 | 30.34 | 11.00 | 2.68 | 1.48 | 1.16 | 0.99 | 0.89 | | |
| 21 | 1.37 | 1.37 | 1.48 | 8.20 | 4.10 | 20.65 | 10.40 | 3.14 | 1.48 | 1.16 | 0.94 | 0.89 | | |
| 22 | 2.26 | 1.66 | 1.43 | 5.90 | 3.67 | 16.90 | 9.50 | 3.87 | 1.48 | 1.16 | 0.94 | 0.84 | | |
| 23 | 3.33 | 4.10 | 1.48 | 4.80 | 3.60 | 22.30 | 8.60 | 3.01 | 1.48 | 1.16 | 0.94 | 0.84 | | |
| 24 | 2.44 | 5.20 | 1.72 | 3.46 | 3.33 | 15.55 | 8.10 | 2.68 | 1.48 | 1.16 | 0.94 | 0.79 | | |
| 25 | 3.07 | 3.27 | 3.53 | 4.00 | 3.67 | 11.90 | 7.70 | 2.62 | 1.48 | 1.16 | 0.94 | 0.79 | | |
| 26 | 3.93 | 3.87 | 4.00 | 23.05 | 17.35 | 11.60 | 7.20 | 2.62 | 1.48 | 1.16 | 0.99 | 0.79 | | |
| 27 | 2.88 | 3.73 | 10.30 | 29.62 | 25.90 | 14.80 | 6.80 | 2.56 | 1.48 | 1.16 | 1.05 | 0.79 | | |
| 28 | 3.07 | 4.20 | 8.00 | 11.00 | 19.45 | 19.00 | 6.40 | 2.50 | 1.48 | 1.16 | 1.10 | 0.79 | | |
| 29 | 2.75 | 2.56 | 1.60 | 6.80 | 9.90 | 16.75 | 6.10 | 2.50 | 1.48 | 1.16 | | 0.79 | | |
| 30 | 2.14 | 1.90 | 1.32 | 5.00 | 12.70 | 17.65 | 5.90 | 2.44 | 1.48 | 1.10 | | 0.79 | | |
| 31 | | 1.72 | | 4.20 | 44.00 | | 5.80 | | 1.48 | 1.10 | | 0.84 | | |
| Total | 44.17 | 62.15 | 74.31 | 238.50 | 231.46 | 713.26 | 754.30 | 100.58 | 54.16 | 39.30 | 29.10 | 28.49 | 2369.78 | CMSDAY |
| Mean | 1.47 | 2.00 | 2.48 | 7.69 | 7.47 | 23.78 | 24.33 | 3.35 | 1.75 | 1.27 | 1.04 | 0.92 | 6.49 | CMS |
| Max | 3.93 | 5.20 | 10.30 | 29.62 | 44.00 | 60.04 | 57.05 | 5.40 | 2.32 | 1.48 | 1.10 | 1.21 | 60.04 | CMS |
| Min | 0.69 | 1.10 | 1.21 | 2.32 | 2.08 | 8.30 | 5.80 | 2.44 | 1.48 | 1.10 | 0.94 | 0.79 | 0.69 | CMS |
| Runoff | 3.82 | 5.37 | 6.42 | 20.61 | 20.00 | 61.63 | 65.17 | 8.69 | 4.68 | 3.40 | 2.51 | 2.46 | 204.75 | MCM |

Momentary Peak 64.00 CMS, at 243.35 m. (MSL.), at 18.00 Hours, on Oct 4, 2006

Runoff Yield 12.78 Liters/Second/Square KM. Momentary Peak Yield 125.98 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Nam Choen at Ban Non Han , Khon Kaen (E.85)

Lat 16 - 35 - 28 N Long 101 - 59 - 02 E

**Location : on left bank at Ban Non Han.**

| | | | |
|---|---|---|---|
| | **Ban** Non Han | **Amphoe** Chum Pae | **Changwat** Khon Kaen |
| **Drainge Area** | 1,218 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +224.840 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | | **Elevation** +235.165 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 29 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

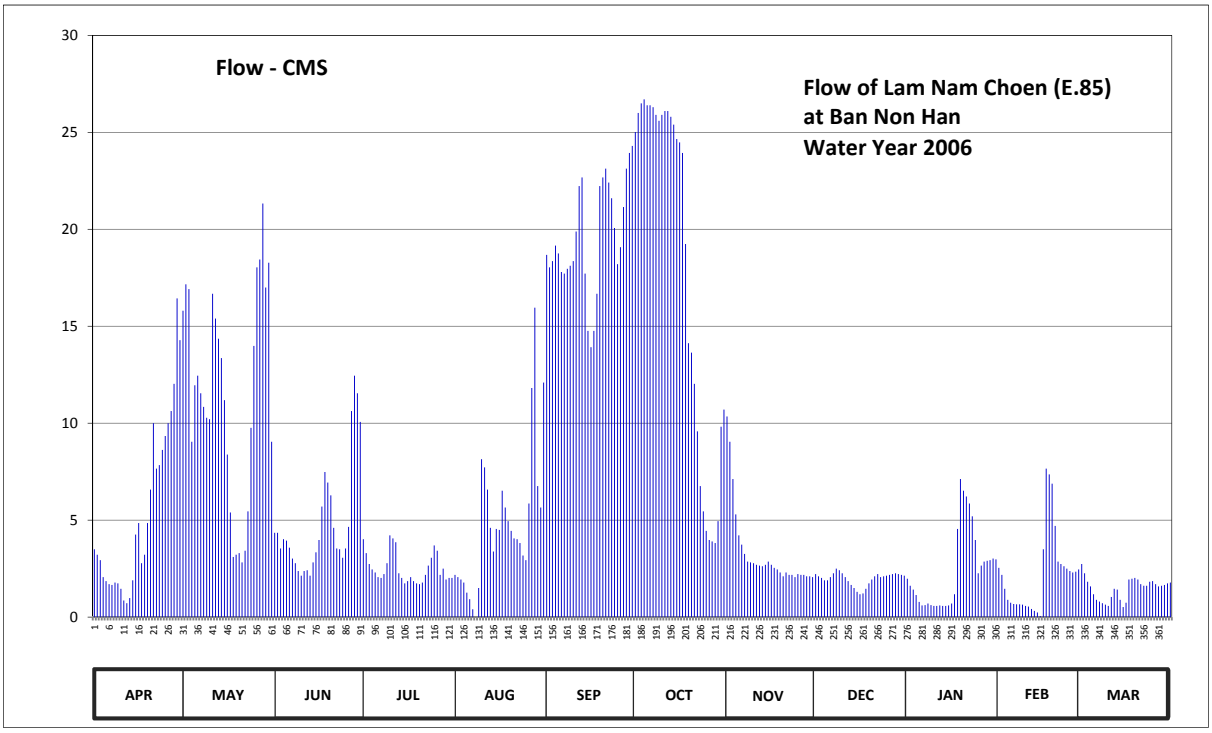
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 226.90 | 228.90 | 227.11 | 227.03 | 226.57 | 229.26 | 229.98 | 228.15 | 226.58 | 226.52 | 226.66 | 226.71 | |
| 2 | 226.83 | 229.07 | 227.11 | 226.85 | 226.54 | 229.18 | 230.08 | 227.94 | 226.55 | 226.43 | 226.57 | 226.59 | |
| 3 | 226.76 | 229.04 | 226.91 | 226.71 | 226.51 | 229.22 | 230.13 | 227.62 | 226.53 | 226.38 | 226.39 | 226.48 | |
| 4 | 226.54 | 227.94 | 227.03 | 226.64 | 226.47 | 229.32 | 230.15 | 227.30 | 226.50 | 226.31 | 226.23 | 226.42 | |
| 5 | 226.49 | 228.38 | 227.01 | 226.60 | 226.34 | 229.27 | 230.12 | 227.08 | 226.50 | 226.19 | 226.17 | 226.32 | |
| 6 | 226.45 | 228.45 | 226.92 | 226.54 | 226.24 | 229.15 | 230.12 | 226.96 | 226.54 | 226.10 | 226.14 | 226.23 | |
| 7 | 226.44 | 228.32 | 226.78 | 226.53 | 226.00 | 229.14 | 230.11 | 226.84 | 226.59 | 226.11 | 226.13 | 226.20 | |
| 8 | 226.47 | 228.22 | 226.72 | 226.58 | 225.77 | 229.17 | 230.07 | 226.74 | 226.65 | 226.15 | 226.13 | 226.16 | |
| 9 | 226.46 | 228.14 | 226.62 | 226.72 | 226.40 | 229.19 | 230.04 | 226.73 | 226.63 | 226.11 | 226.12 | 226.12 | |
| 10 | 226.39 | 228.13 | 226.56 | 227.08 | 227.79 | 229.22 | 230.07 | 226.72 | 226.59 | 226.09 | 226.09 | 226.09 | |
| 11 | 226.22 | 229.01 | 226.62 | 227.04 | 227.72 | 229.41 | 230.09 | 226.70 | 226.54 | 226.09 | 226.07 | 226.28 | |
| 12 | 226.16 | 228.85 | 226.63 | 226.99 | 227.53 | 229.67 | 230.09 | 226.69 | 226.49 | 226.10 | 226.01 | 226.39 | |
| 13 | 226.26 | 228.72 | 226.56 | 226.59 | 227.16 | 229.72 | 230.06 | 226.68 | 226.44 | 226.09 | 225.96 | 226.38 | |
| 14 | 226.50 | 228.58 | 226.73 | 226.53 | 226.87 | 229.14 | 230.02 | 226.70 | 226.40 | 226.09 | 225.92 | 226.23 | |
| 15 | 227.09 | 228.27 | 226.86 | 226.46 | 227.15 | 228.77 | 229.94 | 226.74 | 226.35 | 226.10 | 225.83 | 226.06 | |
| 16 | 227.21 | 227.83 | 227.02 | 226.49 | 227.14 | 228.66 | 229.92 | 226.70 | 226.32 | 226.15 | 226.90 | 226.17 | |
| 17 | 226.72 | 227.32 | 227.38 | 226.54 | 227.52 | 228.77 | 229.86 | 226.66 | 226.33 | 226.32 | 227.71 | 226.51 | |
| 18 | 226.83 | 226.80 | 227.68 | 226.49 | 227.37 | 229.01 | 229.33 | 226.64 | 226.39 | 227.15 | 227.66 | 226.52 | |
| 19 | 227.21 | 226.83 | 227.59 | 226.46 | 227.23 | 229.67 | 228.69 | 226.60 | 226.46 | 227.62 | 227.58 | 226.53 | |
| 20 | 227.53 | 226.85 | 227.48 | 226.45 | 227.13 | 229.72 | 228.62 | 226.55 | 226.51 | 227.52 | 227.18 | 226.51 | |
| 21 | 228.10 | 226.73 | 227.16 | 226.47 | 227.04 | 229.77 | 228.39 | 226.60 | 226.55 | 227.47 | 226.74 | 226.45 | |
| 22 | 227.71 | 226.88 | 226.91 | 226.57 | 227.03 | 229.69 | 228.03 | 226.57 | 226.58 | 227.41 | 226.71 | 226.43 | |
| 23 | 227.74 | 227.33 | 226.90 | 226.69 | 226.98 | 229.60 | 227.56 | 226.57 | 226.54 | 227.28 | 226.68 | 226.43 | |
| 24 | 227.87 | 228.06 | 226.79 | 226.79 | 226.82 | 229.43 | 227.33 | 226.54 | 226.55 | 227.02 | 226.65 | 226.48 | |
| 25 | 227.99 | 228.67 | 226.91 | 226.95 | 226.76 | 229.20 | 227.13 | 226.58 | 226.56 | 226.59 | 226.62 | 226.49 | |
| 26 | 228.10 | 229.18 | 227.17 | 226.88 | 227.41 | 229.31 | 227.02 | 226.57 | 226.57 | 226.69 | 226.60 | 226.45 | |
| 27 | 228.19 | 229.23 | 228.19 | 226.57 | 228.36 | 229.55 | 227.00 | 226.57 | 226.58 | 226.74 | 226.61 | 226.42 | |
| 28 | 228.39 | 229.57 | 228.45 | 226.65 | 228.92 | 229.77 | 226.98 | 226.55 | 226.59 | 226.75 | 226.64 | 226.43 | |
| 29 | 228.98 | 229.05 | 228.32 | 226.51 | 227.56 | 229.86 | 227.23 | 226.55 | 226.58 | 226.76 | | 226.44 | |
| 30 | 228.71 | 229.21 | 228.11 | 226.53 | 227.37 | 229.90 | 228.07 | 226.54 | 226.57 | 226.78 | | 226.46 | |
| 31 | | 227.94 | | 226.53 | 228.40 | | 228.20 | | 226.56 | 226.77 | | 226.47 | |
| Mean | 227.17 | 228.24 | 227.14 | 226.66 | 227.10 | 229.36 | 229.05 | 226.81 | 226.52 | 226.58 | 226.53 | 226.38 | |
| Max | 228.98 | 229.57 | 228.45 | 227.08 | 228.92 | 229.90 | 230.15 | 228.15 | 226.65 | 227.62 | 227.71 | 226.71 | 230.15 |
| Min | 226.16 | 226.73 | 226.56 | 226.45 | 225.77 | 228.66 | 226.98 | 226.54 | 226.32 | 226.09 | 225.83 | 226.06 | 225.77 |

Annual Max Momentary Gage Height 230.16 m. (MSL.) , at 06.00 Hours, on Oct 4, 2006

Zero Gage at Bottom Elevation 224.84 m. (MSL.) , River Bed 225.36 m. (MSL.)

Left Bank Elevation 235.00 m. (MSL.) ,

Right Bank Elevation 234.79 m. (MSL.) , Drainage Are 1,218 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.50 | 15.80 | 4.35 | 4.02 | 2.18 | 18.68 | 25.02 | 10.35 | 2.22 | 1.98 | 2.54 | 2.74 | | |
| 2 | 3.22 | 17.16 | 4.35 | 3.30 | 2.06 | 18.04 | 26.00 | 9.04 | 2.10 | 1.62 | 2.18 | 2.26 | | |
| 3 | 2.94 | 16.92 | 3.54 | 2.74 | 1.94 | 18.36 | 26.50 | 7.12 | 2.02 | 1.42 | 1.46 | 1.82 | | |
| 4 | 2.06 | 9.04 | 4.02 | 2.46 | 1.78 | 19.16 | 26.70 | 5.30 | 1.90 | 1.14 | 0.89 | 1.58 | | |
| 5 | 1.86 | 11.96 | 3.94 | 2.30 | 1.26 | 18.76 | 26.40 | 4.22 | 1.90 | 0.78 | 0.74 | 1.18 | | |
| 6 | 1.70 | 12.45 | 3.58 | 2.06 | 0.92 | 17.80 | 26.40 | 3.74 | 2.06 | 0.60 | 0.68 | 0.89 | | |
| 7 | 1.66 | 11.54 | 3.02 | 2.02 | 0.40 | 17.72 | 26.30 | 3.26 | 2.26 | 0.62 | 0.66 | 0.80 | | |
| 8 | 1.78 | 10.84 | 2.78 | 2.22 | 0.00 | 17.96 | 25.90 | 2.86 | 2.50 | 0.70 | 0.66 | 0.72 | | |
| 9 | 1.74 | 10.28 | 2.38 | 2.78 | 1.50 | 18.12 | 25.60 | 2.82 | 2.42 | 0.62 | 0.64 | 0.64 | | |
| 10 | 1.46 | 10.21 | 2.14 | 4.22 | 8.14 | 18.36 | 25.90 | 2.78 | 2.26 | 0.58 | 0.58 | 0.58 | | |
| 11 | 0.86 | 16.68 | 2.38 | 4.06 | 7.72 | 19.89 | 26.10 | 2.70 | 2.06 | 0.58 | 0.54 | 1.04 | | |
| 12 | 0.72 | 15.40 | 2.42 | 3.86 | 6.58 | 22.23 | 26.10 | 2.66 | 1.86 | 0.60 | 0.42 | 1.46 | | |
| 13 | 0.98 | 14.36 | 2.14 | 2.26 | 4.60 | 22.68 | 25.80 | 2.62 | 1.66 | 0.58 | 0.32 | 1.42 | | |
| 14 | 1.90 | 13.36 | 2.82 | 2.02 | 3.38 | 17.72 | 25.40 | 2.70 | 1.50 | 0.58 | 0.24 | 0.89 | | |
| 15 | 4.26 | 11.19 | 3.34 | 1.74 | 4.55 | 14.76 | 24.66 | 2.86 | 1.30 | 0.60 | 0.06 | 0.52 | | |
| 16 | 4.85 | 8.38 | 3.98 | 1.86 | 4.50 | 13.92 | 24.48 | 2.70 | 1.18 | 0.70 | 3.50 | 0.74 | | |
| 17 | 2.78 | 5.40 | 5.70 | 2.06 | 6.52 | 14.76 | 23.94 | 2.54 | 1.22 | 1.18 | 7.66 | 1.94 | | |
| 18 | 3.22 | 3.10 | 7.48 | 1.86 | 5.65 | 16.68 | 19.24 | 2.46 | 1.46 | 4.55 | 7.36 | 1.98 | | |
| 19 | 4.85 | 3.22 | 6.94 | 1.74 | 4.95 | 22.23 | 14.13 | 2.30 | 1.74 | 7.12 | 6.88 | 2.02 | | |
| 20 | 6.58 | 3.30 | 6.28 | 1.70 | 4.45 | 22.68 | 13.64 | 2.10 | 1.94 | 6.52 | 4.70 | 1.94 | | |
| 21 | 10.00 | 2.82 | 4.60 | 1.78 | 4.06 | 23.13 | 12.03 | 2.30 | 2.10 | 6.22 | 2.86 | 1.70 | | |
| 22 | 7.66 | 3.42 | 3.54 | 2.18 | 4.02 | 22.41 | 9.58 | 2.18 | 2.22 | 5.86 | 2.74 | 1.62 | | |
| 23 | 7.84 | 5.45 | 3.50 | 2.66 | 3.82 | 21.60 | 6.76 | 2.18 | 2.06 | 5.20 | 2.62 | 1.62 | | |
| 24 | 8.62 | 9.76 | 3.06 | 3.06 | 3.18 | 20.07 | 5.45 | 2.06 | 2.10 | 3.98 | 2.50 | 1.82 | | |
| 25 | 9.34 | 13.99 | 3.54 | 3.70 | 2.94 | 18.20 | 4.45 | 2.22 | 2.14 | 2.26 | 2.38 | 1.86 | | |
| 26 | 10.00 | 18.04 | 4.65 | 3.42 | 5.86 | 19.08 | 3.98 | 2.18 | 2.18 | 2.66 | 2.30 | 1.70 | | |
| 27 | 10.63 | 18.44 | 10.63 | 2.18 | 11.82 | 21.15 | 3.90 | 2.18 | 2.22 | 2.86 | 2.34 | 1.58 | | |
| 28 | 12.03 | 21.33 | 12.45 | 2.50 | 15.96 | 23.13 | 3.82 | 2.10 | 2.26 | 2.90 | 2.46 | 1.62 | | |
| 29 | 16.44 | 17.00 | 11.54 | 1.94 | 6.76 | 23.94 | 4.95 | 2.10 | 2.22 | 2.94 | | 1.66 | | |
| 30 | 14.28 | 18.28 | 10.07 | 2.02 | 5.65 | 24.30 | 9.82 | 2.06 | 2.18 | 3.02 | | 1.74 | | |
| 31 | | 9.04 | | 2.02 | 12.10 | | 10.70 | | 2.14 | 2.98 | | 1.78 | | |
| Total | 159.76 | 358.16 | 145.16 | 78.74 | 149.25 | 587.52 | 559.65 | 98.69 | 61.38 | 73.95 | 62.91 | 45.86 | 2381.03 | CMSDAY |
| Mean | 5.33 | 11.55 | 4.84 | 2.54 | 4.81 | 19.58 | 18.05 | 3.29 | 1.98 | 2.39 | 2.25 | 1.48 | 6.52 | CMS |
| Max | 16.44 | 21.33 | 12.45 | 4.22 | 15.96 | 24.30 | 26.70 | 10.35 | 2.50 | 7.12 | 7.66 | 2.74 | 26.70 | CMS |
| Min | 0.72 | 2.82 | 2.14 | 1.70 | 0.00 | 13.92 | 3.82 | 2.06 | 1.18 | 0.58 | 0.06 | 0.52 | 0.00 | CMS |
| Runoff | 13.80 | 30.95 | 12.54 | 6.80 | 12.90 | 50.76 | 48.35 | 8.53 | 5.30 | 6.39 | 5.44 | 3.96 | 205.72 | MCM |

Momentary Peak 26.80 CMS, at 230.16 m. (MSL.), at 06.00 Hours, on Oct 4, 2006

Runoff Yield 5.36 Liters/Second/Square KM. Momentary Peak Yield 22.00 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Phan Chat at Ban Kham Hai , Udon Thani (E.86)

Lat 17 - 05 - 29 N Long 103 - 34 - 16 E

**Location : on left bank at Ban Kham Hai.**

| | | | |
|---|---|---|---|
| | **Ban** Kham Hai | **Amphoe** Wang Sam Mo | **Changwat** Udon Thani |
| **Drainge Area** | 93 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +204.200 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | | **Elevation** +214.372 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 3 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

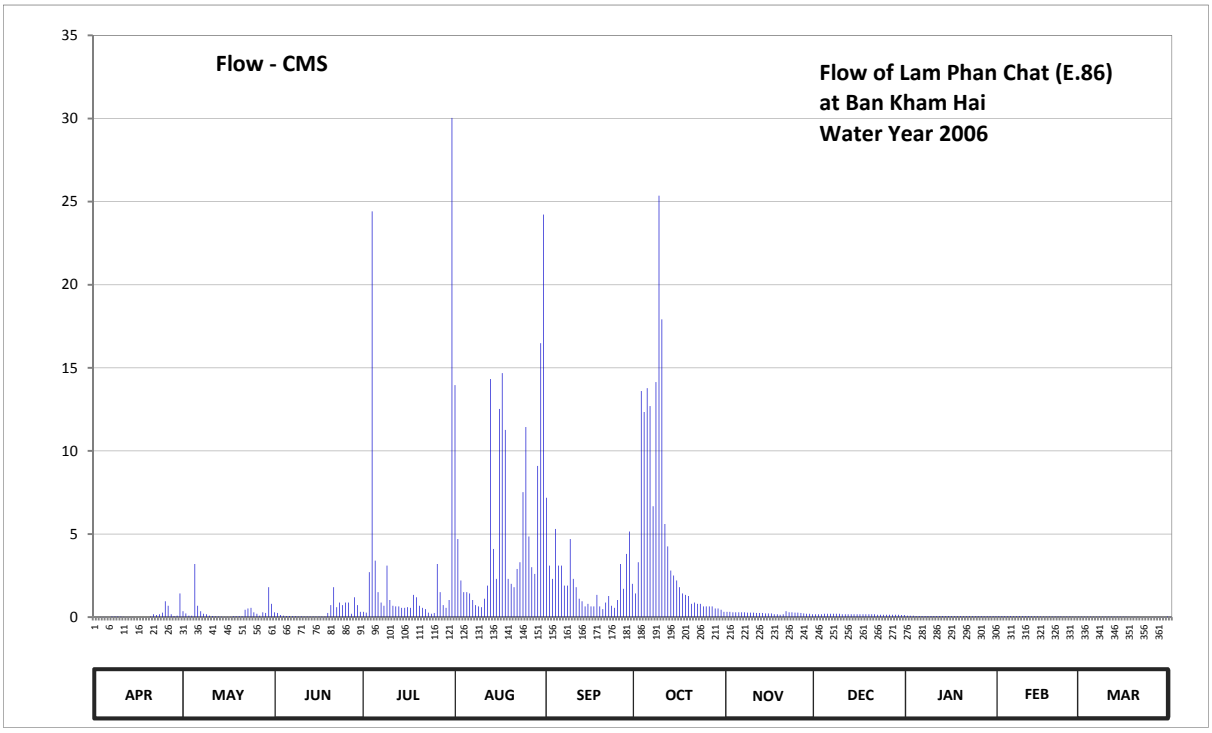
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 204.40 | 204.61 | 204.59 | 204.60 | 205.62 | 205.24 | 204.79 | 204.60 | 204.54 | 204.51 | 204.48 | 204.44 | |
| 2 | 204.40 | 204.56 | 204.57 | 204.58 | 205.08 | 204.96 | 204.98 | 204.60 | 204.54 | 204.51 | 204.48 | 204.44 | |
| 3 | 204.42 | 204.51 | 204.52 | 204.92 | 204.87 | 204.88 | 205.60 | 204.59 | 204.54 | 204.51 | 204.48 | 204.44 | |
| 4 | 204.42 | 204.51 | 204.51 | 206.19 | 204.80 | 205.12 | 205.53 | 204.59 | 204.55 | 204.50 | 204.48 | 204.44 | |
| 5 | 204.41 | 204.97 | 204.50 | 204.99 | 204.80 | 204.96 | 205.61 | 204.59 | 204.55 | 204.50 | 204.48 | 204.44 | |
| 6 | 204.40 | 204.69 | 204.50 | 204.80 | 204.79 | 204.96 | 205.55 | 204.59 | 204.55 | 204.50 | 204.48 | 204.44 | |
| 7 | 204.46 | 204.61 | 204.49 | 204.72 | 204.74 | 204.84 | 205.21 | 204.59 | 204.55 | 204.50 | 204.48 | 204.44 | |
| 8 | 204.46 | 204.55 | 204.48 | 204.69 | 204.70 | 204.84 | 205.63 | 204.58 | 204.55 | 204.50 | 204.48 | 204.44 | |
| 9 | 204.45 | 204.54 | 204.46 | 204.96 | 204.68 | 205.08 | 206.24 | 204.58 | 204.55 | 204.50 | 204.48 | 204.44 | |
| 10 | 204.44 | 204.51 | 204.47 | 204.74 | 204.67 | 204.88 | 205.84 | 204.58 | 204.54 | 204.50 | 204.48 | 204.44 | |
| 11 | 204.43 | 204.50 | 204.46 | 204.69 | 204.75 | 204.83 | 205.14 | 204.57 | 204.54 | 204.50 | 204.48 | 204.44 | |
| 12 | 204.42 | 204.47 | 204.45 | 204.68 | 204.84 | 204.75 | 205.05 | 204.57 | 204.54 | 204.50 | 204.47 | 204.44 | |
| 13 | 204.41 | 204.45 | 204.45 | 204.68 | 205.64 | 204.73 | 204.93 | 204.57 | 204.54 | 204.50 | 204.47 | 204.44 | |
| 14 | 204.41 | 204.44 | 204.45 | 204.66 | 205.04 | 204.68 | 204.90 | 204.56 | 204.54 | 204.50 | 204.47 | 204.44 | |
| 15 | 204.40 | 204.43 | 204.45 | 204.66 | 204.88 | 204.71 | 204.87 | 204.56 | 204.54 | 204.50 | 204.46 | 204.44 | |
| 16 | 204.40 | 204.43 | 204.45 | 204.67 | 205.54 | 204.68 | 204.83 | 204.56 | 204.54 | 204.49 | 204.46 | 204.44 | |
| 17 | 204.40 | 204.43 | 204.45 | 204.66 | 205.66 | 204.68 | 204.79 | 204.54 | 204.54 | 204.49 | 204.46 | 204.43 | |
| 18 | 204.40 | 204.48 | 204.46 | 204.78 | 205.47 | 204.78 | 204.78 | 204.54 | 204.54 | 204.49 | 204.46 | 204.43 | |
| 19 | 204.40 | 204.48 | 204.57 | 204.76 | 204.88 | 204.68 | 204.77 | 204.53 | 204.54 | 204.49 | 204.46 | 204.43 | |
| 20 | 204.45 | 204.48 | 204.70 | 204.69 | 204.85 | 204.64 | 204.71 | 204.54 | 204.54 | 204.49 | 204.46 | 204.43 | |
| 21 | 204.54 | 204.49 | 204.83 | 204.66 | 204.83 | 204.72 | 204.72 | 204.61 | 204.54 | 204.49 | 204.45 | 204.42 | |
| 22 | 204.52 | 204.63 | 204.67 | 204.64 | 204.94 | 204.77 | 204.71 | 204.59 | 204.53 | 204.49 | 204.45 | 204.42 | |
| 23 | 204.54 | 204.65 | 204.72 | 204.58 | 204.98 | 204.69 | 204.71 | 204.59 | 204.53 | 204.49 | 204.45 | 204.42 | |
| 24 | 204.58 | 204.66 | 204.70 | 204.55 | 205.26 | 204.66 | 204.68 | 204.58 | 204.53 | 204.49 | 204.45 | 204.42 | |
| 25 | 204.73 | 204.59 | 204.72 | 204.57 | 205.48 | 204.74 | 204.68 | 204.58 | 204.53 | 204.49 | 204.45 | 204.41 | |
| 26 | 204.69 | 204.55 | 204.72 | 204.97 | 205.09 | 204.97 | 204.68 | 204.57 | 204.53 | 204.49 | 204.44 | 204.41 | |
| 27 | 204.54 | 204.51 | 204.55 | 204.80 | 204.95 | 204.82 | 204.68 | 204.56 | 204.53 | 204.49 | 204.44 | 204.41 | |
| 28 | 204.50 | 204.59 | 204.76 | 204.70 | 204.91 | 205.02 | 204.65 | 204.55 | 204.53 | 204.48 | 204.44 | 204.41 | |
| 29 | 204.51 | 204.57 | 204.70 | 204.66 | 205.35 | 205.11 | 204.65 | 204.55 | 204.53 | 204.48 | | 204.42 | |
| 30 | 204.79 | 204.83 | 204.60 | 204.74 | 205.76 | 204.85 | 204.63 | 204.54 | 204.52 | 204.48 | | 204.46 | |
| 31 | | 204.71 | | 206.47 | 206.18 | | 204.60 | | 204.52 | 204.48 | | 204.41 | |
| Mean | 204.48 | 204.56 | 204.57 | 204.82 | 205.10 | 204.84 | 205.00 | 204.57 | 204.54 | 204.49 | 204.46 | 204.43 | |
| Max | 204.79 | 204.97 | 204.83 | 206.47 | 206.18 | 205.24 | 206.24 | 204.61 | 204.55 | 204.51 | 204.48 | 204.46 | 206.47 |
| Min | 204.40 | 204.43 | 204.45 | 204.55 | 204.67 | 204.64 | 204.60 | 204.53 | 204.52 | 204.48 | 204.44 | 204.41 | 204.40 |

Annual Max Momentary Gage Height 207.65 m. (MSL.) , at 11.00 Hours, on Jul 31, 2006

Zero Gage at Bottom Elevation 204.20 m. (MSL.) , River Bed 204.38 m. (MSL)

Left Bank Elevation 213.33 m. (MSL.) ,

Right Bank Elevation 213.10 m. (MSL.) , Drainage Are 93 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.36 | 0.29 | 0.32 | 13.96 | 7.18 | 1.42 | 0.32 | 0.17 | 0.09 | 0.06 | 0.03 | | |
| 2 | 0.00 | 0.22 | 0.25 | 0.27 | 4.70 | 3.10 | 3.30 | 0.32 | 0.17 | 0.09 | 0.06 | 0.03 | | |
| 3 | 0.01 | 0.09 | 0.12 | 2.70 | 2.20 | 2.30 | 13.60 | 0.29 | 0.17 | 0.09 | 0.06 | 0.03 | | |
| 4 | 0.01 | 0.09 | 0.09 | 24.41 | 1.50 | 5.30 | 12.34 | 0.29 | 0.20 | 0.07 | 0.06 | 0.03 | | |
| 5 | 0.01 | 3.20 | 0.07 | 3.40 | 1.50 | 3.10 | 13.78 | 0.29 | 0.20 | 0.07 | 0.06 | 0.03 | | |
| 6 | 0.00 | 0.68 | 0.07 | 1.50 | 1.42 | 3.10 | 12.70 | 0.29 | 0.20 | 0.07 | 0.06 | 0.03 | | |
| 7 | 0.04 | 0.36 | 0.06 | 0.88 | 1.03 | 1.90 | 6.67 | 0.29 | 0.20 | 0.07 | 0.06 | 0.03 | | |
| 8 | 0.04 | 0.20 | 0.06 | 0.68 | 0.72 | 1.90 | 14.14 | 0.27 | 0.20 | 0.07 | 0.06 | 0.03 | | |
| 9 | 0.04 | 0.17 | 0.04 | 3.10 | 0.64 | 4.70 | 25.36 | 0.27 | 0.20 | 0.07 | 0.06 | 0.03 | | |
| 10 | 0.03 | 0.09 | 0.05 | 1.03 | 0.60 | 2.30 | 17.92 | 0.27 | 0.17 | 0.07 | 0.06 | 0.03 | | |
| 11 | 0.02 | 0.07 | 0.04 | 0.68 | 1.11 | 1.80 | 5.60 | 0.25 | 0.17 | 0.07 | 0.06 | 0.03 | | |
| 12 | 0.01 | 0.05 | 0.04 | 0.64 | 1.90 | 1.11 | 4.25 | 0.25 | 0.17 | 0.07 | 0.05 | 0.03 | | |
| 13 | 0.01 | 0.04 | 0.04 | 0.64 | 14.32 | 0.95 | 2.80 | 0.25 | 0.17 | 0.07 | 0.05 | 0.03 | | |
| 14 | 0.01 | 0.03 | 0.04 | 0.56 | 4.10 | 0.64 | 2.50 | 0.22 | 0.17 | 0.07 | 0.05 | 0.03 | | |
| 15 | 0.00 | 0.02 | 0.04 | 0.56 | 2.30 | 0.80 | 2.20 | 0.22 | 0.17 | 0.07 | 0.04 | 0.03 | | |
| 16 | 0.00 | 0.02 | 0.04 | 0.60 | 12.52 | 0.64 | 1.80 | 0.22 | 0.17 | 0.06 | 0.04 | 0.03 | | |
| 17 | 0.00 | 0.02 | 0.04 | 0.56 | 14.68 | 0.64 | 1.42 | 0.17 | 0.17 | 0.06 | 0.04 | 0.02 | | |
| 18 | 0.00 | 0.06 | 0.04 | 1.34 | 11.26 | 1.34 | 1.34 | 0.17 | 0.17 | 0.06 | 0.04 | 0.02 | | |
| 19 | 0.00 | 0.06 | 0.25 | 1.19 | 2.30 | 0.64 | 1.27 | 0.14 | 0.17 | 0.06 | 0.04 | 0.02 | | |
| 20 | 0.04 | 0.06 | 0.72 | 0.68 | 2.00 | 0.48 | 0.80 | 0.17 | 0.17 | 0.06 | 0.04 | 0.02 | | |
| 21 | 0.17 | 0.06 | 1.80 | 0.56 | 1.80 | 0.88 | 0.88 | 0.36 | 0.17 | 0.06 | 0.04 | 0.01 | | |
| 22 | 0.12 | 0.44 | 0.60 | 0.48 | 2.90 | 1.27 | 0.80 | 0.29 | 0.14 | 0.06 | 0.04 | 0.01 | | |
| 23 | 0.17 | 0.52 | 0.88 | 0.27 | 3.30 | 0.68 | 0.80 | 0.29 | 0.14 | 0.06 | 0.04 | 0.01 | | |
| 24 | 0.27 | 0.56 | 0.72 | 0.20 | 7.52 | 0.56 | 0.64 | 0.27 | 0.14 | 0.06 | 0.04 | 0.01 | | |
| 25 | 0.95 | 0.29 | 0.88 | 0.25 | 11.44 | 1.03 | 0.64 | 0.27 | 0.14 | 0.06 | 0.04 | 0.01 | | |
| 26 | 0.68 | 0.20 | 0.88 | 3.20 | 4.85 | 3.20 | 0.64 | 0.25 | 0.14 | 0.06 | 0.03 | 0.01 | | |
| 27 | 0.17 | 0.09 | 0.20 | 1.50 | 3.00 | 1.70 | 0.64 | 0.22 | 0.14 | 0.06 | 0.03 | 0.01 | | |
| 28 | 0.07 | 0.29 | 1.19 | 0.72 | 2.60 | 3.80 | 0.52 | 0.20 | 0.14 | 0.06 | 0.03 | 0.01 | | |
| 29 | 0.09 | 0.25 | 0.72 | 0.56 | 9.10 | 5.15 | 0.52 | 0.20 | 0.14 | 0.06 | | 0.01 | | |
| 30 | 1.42 | 1.80 | 0.32 | 1.03 | 16.48 | 2.00 | 0.44 | 0.17 | 0.12 | 0.06 | | 0.04 | | |
| 31 | | 0.80 | | 30.04 | 24.22 | | 0.32 | | 0.12 | 0.06 | | 0.01 | | |
| Total | 4.38 | 11.19 | 10.58 | 84.55 | 181.97 | 64.19 | 152.05 | 7.48 | 5.11 | 2.07 | 1.34 | 0.70 | 525.61 | CMSDAY |
| Mean | 0.15 | 0.36 | 0.35 | 2.73 | 5.87 | 2.14 | 4.90 | 0.25 | 0.16 | 0.07 | 0.05 | 0.02 | 1.44 | CMS |
| Max | 1.42 | 3.20 | 1.80 | 30.04 | 24.22 | 7.18 | 25.36 | 0.36 | 0.20 | 0.09 | 0.06 | 0.04 | 30.04 | CMS |
| Min | 0.00 | 0.02 | 0.04 | 0.20 | 0.60 | 0.48 | 0.32 | 0.14 | 0.12 | 0.06 | 0.03 | 0.01 | 0.00 | CMS |
| Runoff | 0.38 | 0.97 | 0.91 | 7.31 | 15.72 | 5.55 | 13.14 | 0.65 | 0.44 | 0.18 | 0.12 | 0.06 | 45.41 | MCM |

Momentary Peak 58.25 CMS, at 207.65 m. (MSL), at 11.00 Hours, on Jul 31, 2006

Runoff Yield 15.48 Liters/Second/Square KM. Momentary Peak Yield 626.34 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Pao at Ban Wang Hin , Kalasin (E.87)

Lat 16 - 20 - 26 N Long 103 - 34 - 36 E

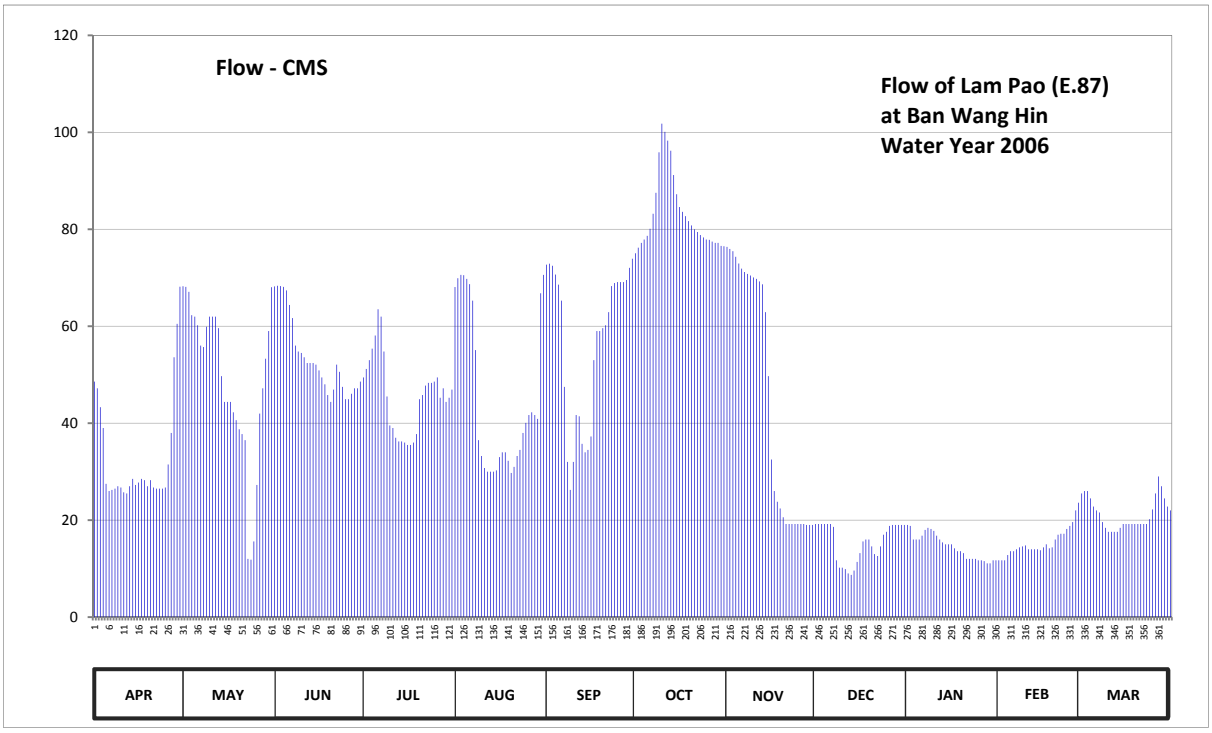
**Location : on left bank at Ban Wang Hin.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Hin | **Amphoe** Kamalasai | **Changwat** Kalasin |
| **Drainge Area** | 7,068 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +128.900 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | | **Elevation** +140.068 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 3 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 26 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 131.95 | 132.73 | 132.71 | 131.98 | 132.64 | 133.87 | 134.26 | 134.48 | 130.76 | 130.75 | 130.38 | 131.06 | |
| 2 | 131.90 | 132.66 | 132.78 | 132.04 | 133.28 | 133.90 | 134.45 | 134.41 | 130.76 | 130.74 | 130.38 | 131.08 | |
| 3 | 131.76 | 132.57 | 132.74 | 132.10 | 133.45 | 133.83 | 134.60 | 134.33 | 130.76 | 130.60 | 130.38 | 131.08 | |
| 4 | 131.60 | 132.41 | 132.66 | 132.18 | 133.43 | 133.47 | 134.70 | 134.14 | 130.76 | 130.60 | 130.44 | 131.02 | |
| 5 | 131.14 | 132.40 | 132.58 | 132.27 | 133.24 | 132.86 | 134.81 | 133.91 | 130.76 | 130.60 | 130.48 | 130.94 | |
| 6 | 131.08 | 132.34 | 132.48 | 132.45 | 132.90 | 132.51 | 135.01 | 133.72 | 130.76 | 130.64 | 130.48 | 130.90 | |
| 7 | 131.09 | 132.20 | 132.39 | 132.40 | 132.51 | 131.91 | 135.32 | 133.58 | 130.73 | 130.70 | 130.50 | 130.88 | |
| 8 | 131.10 | 132.19 | 132.20 | 132.16 | 132.17 | 131.32 | 135.67 | 133.50 | 130.38 | 130.72 | 130.52 | 130.78 | |
| 9 | 131.12 | 132.33 | 132.16 | 131.84 | 131.50 | 131.09 | 136.03 | 133.42 | 130.28 | 130.71 | 130.53 | 130.72 | |
| 10 | 131.11 | 132.40 | 132.15 | 131.62 | 131.37 | 131.32 | 136.22 | 133.32 | 130.28 | 130.69 | 130.54 | 130.68 | |
| 11 | 131.07 | 132.40 | 132.12 | 131.60 | 131.27 | 131.70 | 136.17 | 133.24 | 130.26 | 130.64 | 130.50 | 130.68 | |
| 12 | 131.06 | 132.40 | 132.08 | 131.52 | 131.24 | 131.69 | 136.11 | 133.08 | 130.20 | 130.60 | 130.50 | 130.68 | |
| 13 | 131.12 | 132.32 | 132.08 | 131.49 | 131.24 | 131.47 | 136.04 | 132.89 | 130.18 | 130.57 | 130.50 | 130.68 | |
| 14 | 131.18 | 131.99 | 132.08 | 131.49 | 131.24 | 131.40 | 135.86 | 132.43 | 130.24 | 130.55 | 130.50 | 130.72 | |
| 15 | 131.13 | 131.80 | 132.07 | 131.48 | 131.25 | 131.42 | 135.65 | 131.99 | 130.36 | 130.55 | 130.49 | 130.76 | |
| 16 | 131.15 | 131.80 | 132.03 | 131.46 | 131.36 | 131.53 | 135.46 | 131.34 | 130.46 | 130.55 | 130.52 | 130.76 | |
| 17 | 131.18 | 131.80 | 131.98 | 131.46 | 131.40 | 132.10 | 135.36 | 131.08 | 130.58 | 130.51 | 130.55 | 130.76 | |
| 18 | 131.17 | 131.72 | 131.93 | 131.48 | 131.40 | 132.30 | 135.27 | 130.99 | 130.60 | 130.48 | 130.51 | 130.76 | |
| 19 | 131.12 | 131.66 | 131.85 | 131.55 | 131.33 | 132.30 | 135.17 | 130.92 | 130.60 | 130.48 | 130.52 | 130.76 | |
| 20 | 131.17 | 131.59 | 131.80 | 131.82 | 131.23 | 132.32 | 135.08 | 130.83 | 130.53 | 130.46 | 130.60 | 130.76 | |
| 21 | 131.11 | 131.55 | 131.89 | 131.85 | 131.28 | 132.34 | 135.00 | 130.76 | 130.45 | 130.40 | 130.65 | 130.76 | |
| 22 | 131.10 | 131.50 | 132.07 | 131.92 | 131.37 | 132.43 | 134.92 | 130.76 | 130.43 | 130.40 | 130.66 | 130.76 | |
| 23 | 131.10 | 130.40 | 132.02 | 131.94 | 131.42 | 132.74 | 134.83 | 130.76 | 130.53 | 130.40 | 130.66 | 130.76 | |
| 24 | 131.10 | 130.39 | 131.91 | 131.94 | 131.56 | 132.97 | 134.76 | 130.76 | 130.65 | 130.40 | 130.71 | 130.81 | |
| 25 | 131.11 | 130.58 | 131.82 | 131.95 | 131.64 | 133.04 | 134.70 | 130.76 | 130.68 | 130.38 | 130.74 | 130.91 | |
| 26 | 131.30 | 131.13 | 131.82 | 131.98 | 131.70 | 133.04 | 134.69 | 130.76 | 130.74 | 130.38 | 130.78 | 131.06 | |
| 27 | 131.56 | 131.71 | 131.86 | 131.83 | 131.72 | 133.04 | 134.64 | 130.76 | 130.75 | 130.37 | 130.90 | 131.20 | |
| 28 | 132.12 | 131.90 | 131.90 | 131.90 | 131.70 | 133.18 | 134.60 | 130.75 | 130.75 | 130.34 | 130.98 | 131.12 | |
| 29 | 132.35 | 132.11 | 131.90 | 131.80 | 131.67 | 133.75 | 134.60 | 130.75 | 130.75 | 130.34 | | 131.02 | |
| 30 | 132.68 | 132.30 | 131.95 | 131.83 | 132.56 | 134.07 | 134.51 | 130.75 | 130.75 | 130.38 | | 130.94 | |
| 31 | | 132.63 | | 131.89 | 133.45 | | 134.50 | | 130.75 | 130.38 | | 130.90 | |
| Mean | 131.36 | 131.93 | 132.13 | 131.85 | 131.92 | 132.50 | 135.13 | 132.17 | 130.56 | 130.53 | 130.57 | 130.86 | |
| Max | 132.68 | 132.73 | 132.78 | 132.45 | 133.45 | 134.07 | 136.22 | 134.48 | 130.76 | 130.75 | 130.98 | 131.20 | 136.22 |
| Min | 131.06 | 130.39 | 131.80 | 131.46 | 131.23 | 131.09 | 134.26 | 130.75 | 130.18 | 130.34 | 130.38 | 130.68 | 130.18 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 136.24 | m. (MSL.) , | at 06.00 Hours, on Oct 10, 2006 | | |
| Zero Gage at Bottom Elevation | 128.90 | m. (MSL.) , | River Bed | 129.18 | m. (MSL) |
| Left Bank Elevation | 139.88 | m. (MSL.) , | | | |
| Right Bank Elevation | 139.88 | m. (MSL.) , | Drainage Are | 7,068 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 48.60 | 68.26 | 68.22 | 49.44 | 68.08 | 72.72 | 75.06 | 76.38 | 19.20 | 19.00 | 11.70 | 25.50 | | |
| 2 | 47.20 | 68.12 | 68.36 | 51.20 | 69.92 | 72.90 | 76.20 | 75.96 | 19.20 | 18.80 | 11.70 | 26.00 | | |
| 3 | 43.32 | 67.10 | 68.28 | 53.00 | 70.60 | 72.48 | 77.20 | 75.48 | 19.20 | 16.00 | 11.70 | 26.00 | | |
| 4 | 39.00 | 62.30 | 68.12 | 55.40 | 70.52 | 70.68 | 77.90 | 74.34 | 19.20 | 16.00 | 12.80 | 24.50 | | |
| 5 | 27.50 | 62.00 | 67.40 | 58.10 | 69.76 | 68.58 | 78.67 | 72.96 | 19.20 | 16.00 | 13.60 | 22.80 | | |
| 6 | 26.00 | 60.20 | 64.40 | 63.50 | 68.70 | 65.30 | 80.10 | 71.90 | 19.20 | 16.80 | 13.60 | 22.00 | | |
| 7 | 26.25 | 56.00 | 61.70 | 62.00 | 65.30 | 47.48 | 83.20 | 71.20 | 18.60 | 18.00 | 14.00 | 21.60 | | |
| 8 | 26.50 | 55.70 | 56.00 | 54.80 | 55.10 | 32.00 | 87.55 | 70.80 | 11.70 | 18.40 | 14.40 | 19.60 | | |
| 9 | 27.00 | 59.90 | 54.80 | 45.52 | 36.50 | 26.25 | 95.90 | 70.48 | 10.20 | 18.20 | 14.60 | 18.40 | | |
| 10 | 26.75 | 62.00 | 54.50 | 39.54 | 33.25 | 32.00 | 101.80 | 70.08 | 10.20 | 17.80 | 14.80 | 17.60 | | |
| 11 | 25.75 | 62.00 | 53.60 | 39.00 | 30.75 | 41.70 | 100.10 | 69.76 | 9.90 | 16.80 | 14.00 | 17.60 | | |
| 12 | 25.50 | 62.00 | 52.40 | 37.00 | 30.00 | 41.43 | 98.30 | 69.24 | 9.00 | 16.00 | 14.00 | 17.60 | | |
| 13 | 27.00 | 59.60 | 52.40 | 36.25 | 30.00 | 35.75 | 96.20 | 68.67 | 8.70 | 15.40 | 14.00 | 17.60 | | |
| 14 | 28.50 | 49.72 | 52.40 | 36.25 | 30.00 | 34.00 | 91.20 | 62.90 | 9.60 | 15.00 | 14.00 | 18.40 | | |
| 15 | 27.25 | 44.40 | 52.10 | 36.00 | 30.25 | 34.50 | 87.25 | 49.72 | 11.40 | 15.00 | 13.80 | 19.20 | | |
| 16 | 27.75 | 44.40 | 50.90 | 35.50 | 33.00 | 37.25 | 84.60 | 32.50 | 13.20 | 15.00 | 14.40 | 19.20 | | |
| 17 | 28.50 | 44.40 | 49.44 | 35.50 | 34.00 | 53.00 | 83.60 | 26.00 | 15.60 | 14.20 | 15.00 | 19.20 | | |
| 18 | 28.25 | 42.24 | 48.04 | 36.00 | 34.00 | 59.00 | 82.70 | 23.80 | 16.00 | 13.60 | 14.20 | 19.20 | | |
| 19 | 27.00 | 40.62 | 45.80 | 37.75 | 32.25 | 59.00 | 81.70 | 22.40 | 16.00 | 13.60 | 14.40 | 19.20 | | |
| 20 | 28.25 | 38.75 | 44.40 | 44.96 | 29.75 | 59.60 | 80.80 | 20.60 | 14.60 | 13.20 | 16.00 | 19.20 | | |
| 21 | 26.75 | 37.75 | 46.92 | 45.80 | 31.00 | 60.20 | 80.00 | 19.20 | 13.00 | 12.00 | 17.00 | 19.20 | | |
| 22 | 26.50 | 36.50 | 52.10 | 47.76 | 33.25 | 62.90 | 79.44 | 19.20 | 12.60 | 12.00 | 17.20 | 19.20 | | |
| 23 | 26.50 | 12.00 | 50.60 | 48.32 | 34.50 | 68.28 | 78.81 | 19.20 | 14.60 | 12.00 | 17.20 | 19.20 | | |
| 24 | 26.50 | 11.85 | 47.48 | 48.32 | 38.00 | 68.91 | 78.32 | 19.20 | 17.00 | 12.00 | 18.20 | 20.20 | | |
| 25 | 26.75 | 15.60 | 44.96 | 48.60 | 40.08 | 69.12 | 77.90 | 19.20 | 17.60 | 11.70 | 18.80 | 22.20 | | |
| 26 | 31.50 | 27.25 | 44.96 | 49.44 | 41.70 | 69.12 | 77.83 | 19.20 | 18.80 | 11.70 | 19.60 | 25.50 | | |
| 27 | 38.00 | 41.97 | 46.08 | 45.24 | 42.24 | 69.12 | 77.48 | 19.20 | 19.00 | 11.55 | 22.00 | 29.00 | | |
| 28 | 53.60 | 47.20 | 47.20 | 47.20 | 41.70 | 69.54 | 77.20 | 19.00 | 19.00 | 11.10 | 23.60 | 27.00 | | |
| 29 | 60.50 | 53.30 | 47.20 | 44.40 | 40.89 | 72.05 | 77.20 | 19.00 | 19.00 | 11.10 | | 24.50 | | |
| 30 | 68.16 | 59.00 | 48.60 | 45.24 | 66.80 | 73.92 | 76.57 | 19.00 | 19.00 | 11.70 | | 22.80 | | |
| 31 | | 68.06 | | 46.92 | 70.60 | | 76.50 | | 19.00 | 11.70 | | 22.00 | | |
| Total | 996.63 | 1520.19 | 1609.36 | 1423.95 | 1402.49 | 1698.78 | 2577.28 | 1366.57 | 478.50 | 451.35 | 430.30 | 661.20 | 14616.60 | CMSDAY |
| Mean | 33.22 | 49.04 | 53.65 | 45.93 | 45.24 | 56.63 | 83.14 | 45.55 | 15.44 | 14.56 | 15.37 | 21.33 | 40.05 | CMS |
| Max | 68.16 | 68.26 | 68.36 | 63.50 | 70.60 | 73.92 | 101.80 | 76.38 | 19.20 | 19.00 | 23.60 | 29.00 | 101.80 | CMS |
| Min | 25.50 | 11.85 | 44.40 | 35.50 | 29.75 | 26.25 | 75.06 | 19.00 | 8.70 | 11.10 | 11.70 | 17.60 | 8.70 | CMS |
| Runoff | 86.11 | 131.34 | 139.05 | 123.03 | 121.18 | 146.77 | 222.68 | 118.07 | 41.34 | 39.00 | 37.18 | 57.13 | 1262.87 | MCM |

Momentary Peak 102.60 CMS, at 136.24 m. (MSL), at 06.00 Hours, on Oct 10, 2006

Runoff Yield 5.67 Liters/Second/Square KM. Momentary Peak Yield 14.52 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Huai Mun at Ban Khok Sung , Kalasin (E.88)

Lat 16 - 49 - 56 N Long 103 - 22 - 09 E

**Location : on right bank at Ban Khok Sung.**

| | | | |
|---|---|---|---|
| | **Ban** Khok Sung | **Amphoe** Tha Khantho | **Changwat** Kalasin |
| **Drainge Area** | 91 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +163.060 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank downstream at the footpath of the bridge. | | **Elevation** +168.204 m. (MSL.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 3 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

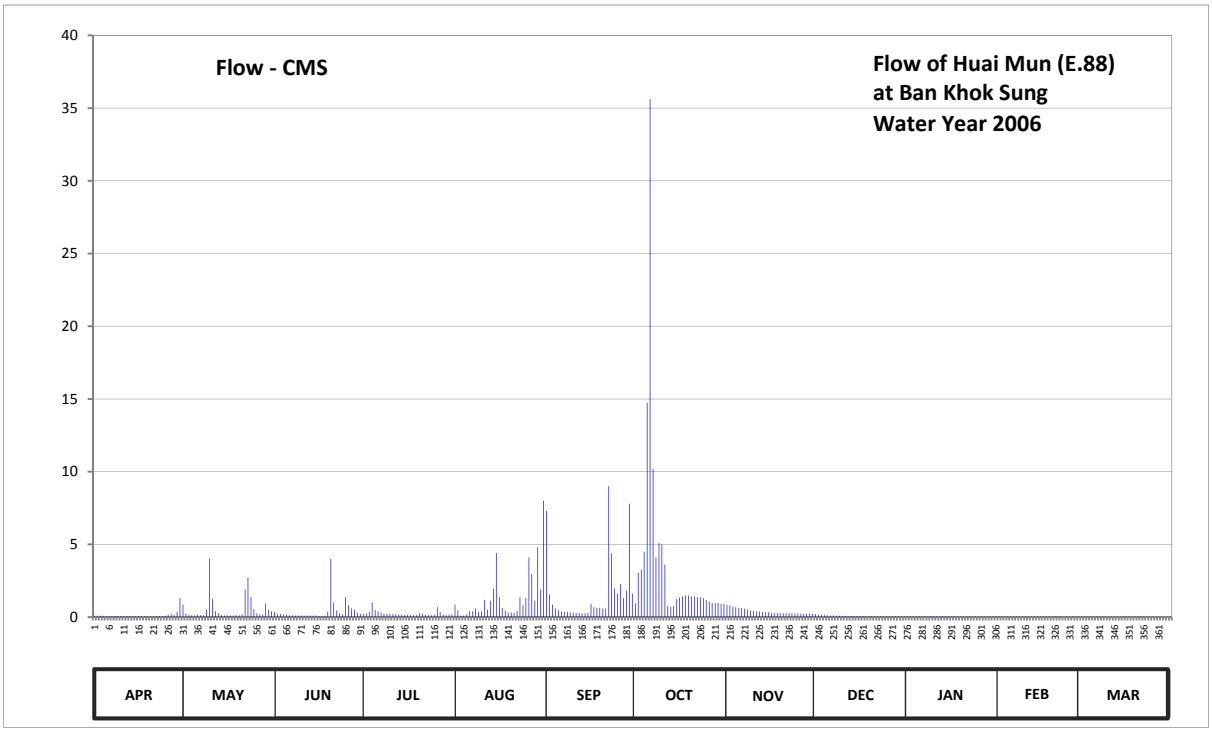
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 163.33 | 163.58 | 163.45 | 163.40 | 163.58 | 164.33 | 163.60 | 163.95 | 163.61 | 163.35 | 163.33 | 163.31 | |
| 2 | 163.33 | 163.42 | 163.41 | 163.42 | 163.49 | 163.70 | 163.90 | 163.94 | 163.57 | 163.35 | 163.33 | 163.31 | |
| 3 | 163.33 | 163.37 | 163.40 | 163.45 | 163.34 | 163.58 | 163.92 | 163.91 | 163.55 | 163.35 | 163.33 | 163.31 | |
| 4 | 163.33 | 163.35 | 163.38 | 163.61 | 163.34 | 163.52 | 164.05 | 163.89 | 163.53 | 163.35 | 163.33 | 163.31 | |
| 5 | 163.32 | 163.35 | 163.36 | 163.50 | 163.40 | 163.49 | 165.01 | 163.87 | 163.52 | 163.35 | 163.33 | 163.31 | |
| 6 | 163.32 | 163.37 | 163.35 | 163.47 | 163.47 | 163.46 | 166.36 | 163.86 | 163.51 | 163.35 | 163.33 | 163.31 | |
| 7 | 163.32 | 163.36 | 163.35 | 163.44 | 163.47 | 163.45 | 164.62 | 163.84 | 163.51 | 163.35 | 163.33 | 163.30 | |
| 8 | 163.32 | 163.35 | 163.34 | 163.41 | 163.52 | 163.45 | 164.01 | 163.81 | 163.50 | 163.35 | 163.33 | 163.30 | |
| 9 | 163.32 | 163.50 | 163.34 | 163.41 | 163.45 | 163.44 | 164.11 | 163.78 | 163.49 | 163.35 | 163.33 | 163.30 | |
| 10 | 163.32 | 164.00 | 163.34 | 163.41 | 163.46 | 163.43 | 164.10 | 163.76 | 163.48 | 163.35 | 163.33 | 163.30 | |
| 11 | 163.31 | 163.65 | 163.34 | 163.41 | 163.64 | 163.43 | 163.96 | 163.75 | 163.47 | 163.35 | 163.33 | 163.30 | |
| 12 | 163.31 | 163.47 | 163.34 | 163.40 | 163.50 | 163.43 | 163.92 | 163.74 | 163.46 | 163.35 | 163.32 | 163.30 | |
| 13 | 163.31 | 163.42 | 163.34 | 163.39 | 163.63 | 163.42 | 163.90 | 163.73 | 163.45 | 163.35 | 163.32 | 163.30 | |
| 14 | 163.31 | 163.36 | 163.34 | 163.38 | 163.76 | 163.42 | 163.92 | 163.72 | 163.44 | 163.35 | 163.32 | 163.30 | |
| 15 | 163.31 | 163.34 | 163.34 | 163.37 | 164.04 | 163.43 | 164.04 | 163.72 | 163.42 | 163.35 | 163.32 | 163.30 | |
| 16 | 163.31 | 163.34 | 163.32 | 163.36 | 163.67 | 163.59 | 164.06 | 163.70 | 163.41 | 163.34 | 163.32 | 163.30 | |
| 17 | 163.30 | 163.34 | 163.31 | 163.36 | 163.53 | 163.54 | 164.07 | 163.69 | 163.40 | 163.34 | 163.32 | 163.30 | |
| 18 | 163.30 | 163.34 | 163.33 | 163.35 | 163.48 | 163.53 | 164.08 | 163.68 | 163.40 | 163.34 | 163.32 | 163.29 | |
| 19 | 163.29 | 163.35 | 163.46 | 163.35 | 163.44 | 163.53 | 164.08 | 163.68 | 163.39 | 163.34 | 163.32 | 163.29 | |
| 20 | 163.29 | 163.35 | 164.00 | 163.42 | 163.44 | 163.52 | 164.07 | 163.67 | 163.39 | 163.34 | 163.32 | 163.29 | |
| 21 | 163.29 | 163.40 | 163.61 | 163.41 | 163.43 | 163.52 | 164.07 | 163.67 | 163.38 | 163.34 | 163.32 | 163.29 | |
| 22 | 163.29 | 163.75 | 163.49 | 163.38 | 163.48 | 164.50 | 164.06 | 163.67 | 163.38 | 163.34 | 163.32 | 163.29 | |
| 23 | 163.31 | 163.86 | 163.42 | 163.36 | 163.67 | 164.04 | 164.06 | 163.66 | 163.38 | 163.34 | 163.32 | 163.29 | |
| 24 | 163.32 | 163.67 | 163.39 | 163.35 | 163.57 | 163.76 | 164.05 | 163.66 | 163.38 | 163.34 | 163.32 | 163.28 | |
| 25 | 163.32 | 163.51 | 163.67 | 163.38 | 163.66 | 163.71 | 164.03 | 163.65 | 163.37 | 163.34 | 163.32 | 163.28 | |
| 26 | 163.38 | 163.42 | 163.57 | 163.54 | 164.01 | 163.80 | 164.01 | 163.64 | 163.37 | 163.34 | 163.32 | 163.28 | |
| 27 | 163.41 | 163.38 | 163.52 | 163.45 | 163.89 | 163.66 | 163.99 | 163.64 | 163.37 | 163.34 | 163.32 | 163.28 | |
| 28 | 163.37 | 163.39 | 163.50 | 163.39 | 163.63 | 163.74 | 163.99 | 163.63 | 163.36 | 163.33 | 163.32 | 163.27 | |
| 29 | 163.46 | 163.60 | 163.43 | 163.36 | 164.08 | 164.38 | 163.99 | 163.63 | 163.36 | 163.33 | | 163.27 | |
| 30 | 163.66 | 163.50 | 163.41 | 163.38 | 163.75 | 163.71 | 163.97 | 163.62 | 163.36 | 163.33 | | 163.27 | |
| 31 | | 163.47 | | 163.39 | 164.40 | | 163.97 | | 163.36 | 163.33 | | 163.27 | |
| Mean | 163.34 | 163.47 | 163.43 | 163.41 | 163.62 | 163.65 | 164.13 | 163.74 | 163.44 | 163.34 | 163.32 | 163.29 | |
| Max | 163.66 | 164.00 | 164.00 | 163.61 | 164.40 | 164.50 | 166.36 | 163.95 | 163.61 | 163.35 | 163.33 | 163.31 | 166.36 |
| Min | 163.29 | 163.34 | 163.31 | 163.35 | 163.34 | 163.42 | 163.60 | 163.62 | 163.36 | 163.33 | 163.32 | 163.27 | 163.27 |

Annual Max Momentary Gage Height 167.05 m. (MSL.) , at 13.00 Hours, on Oct 6, 2006

Zero Gage at Bottom Elevation 163.06 m. (MSL.) , River Bed 163.22 m. (MSL)

Left Bank Elevation 168.22 m. (MSL.) ,

Right Bank Elevation 168.22 m. (MSL.) , Drainage Are 91 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.10 | 0.86 | 0.35 | 0.20 | 0.86 | 7.30 | 0.95 | 0.85 | 0.21 | 0.05 | 0.04 | 0.03 | | |
| 2 | 0.10 | 0.26 | 0.23 | 0.26 | 0.47 | 1.55 | 3.05 | 0.82 | 0.17 | 0.05 | 0.04 | 0.03 | | |
| 3 | 0.10 | 0.16 | 0.20 | 0.35 | 0.11 | 0.86 | 3.24 | 0.73 | 0.15 | 0.05 | 0.04 | 0.03 | | |
| 4 | 0.10 | 0.13 | 0.17 | 1.01 | 0.11 | 0.59 | 4.50 | 0.68 | 0.13 | 0.05 | 0.04 | 0.03 | | |
| 5 | 0.08 | 0.13 | 0.14 | 0.50 | 0.20 | 0.47 | 14.74 | 0.64 | 0.12 | 0.05 | 0.04 | 0.03 | | |
| 6 | 0.08 | 0.16 | 0.13 | 0.41 | 0.41 | 0.38 | 35.62 | 0.62 | 0.11 | 0.05 | 0.04 | 0.03 | | |
| 7 | 0.08 | 0.14 | 0.13 | 0.32 | 0.41 | 0.35 | 10.20 | 0.58 | 0.11 | 0.05 | 0.04 | 0.03 | | |
| 8 | 0.08 | 0.13 | 0.11 | 0.23 | 0.59 | 0.35 | 4.10 | 0.52 | 0.10 | 0.05 | 0.04 | 0.03 | | |
| 9 | 0.08 | 0.50 | 0.11 | 0.23 | 0.35 | 0.32 | 5.10 | 0.46 | 0.10 | 0.05 | 0.04 | 0.03 | | |
| 10 | 0.08 | 4.00 | 0.11 | 0.23 | 0.38 | 0.29 | 5.00 | 0.42 | 0.09 | 0.05 | 0.04 | 0.03 | | |
| 11 | 0.07 | 1.25 | 0.11 | 0.23 | 1.19 | 0.29 | 3.62 | 0.40 | 0.09 | 0.05 | 0.04 | 0.03 | | |
| 12 | 0.07 | 0.41 | 0.11 | 0.20 | 0.50 | 0.29 | 0.76 | 0.38 | 0.08 | 0.05 | 0.04 | 0.03 | | |
| 13 | 0.07 | 0.26 | 0.11 | 0.19 | 1.13 | 0.26 | 0.70 | 0.36 | 0.08 | 0.05 | 0.04 | 0.03 | | |
| 14 | 0.07 | 0.14 | 0.11 | 0.17 | 1.97 | 0.26 | 0.76 | 0.34 | 0.08 | 0.05 | 0.04 | 0.03 | | |
| 15 | 0.07 | 0.11 | 0.11 | 0.16 | 4.40 | 0.29 | 1.24 | 0.34 | 0.07 | 0.05 | 0.04 | 0.03 | | |
| 16 | 0.07 | 0.11 | 0.08 | 0.14 | 1.37 | 0.91 | 1.36 | 0.30 | 0.06 | 0.04 | 0.04 | 0.03 | | |
| 17 | 0.05 | 0.11 | 0.07 | 0.14 | 0.64 | 0.68 | 1.42 | 0.29 | 0.06 | 0.04 | 0.04 | 0.03 | | |
| 18 | 0.05 | 0.11 | 0.10 | 0.13 | 0.44 | 0.64 | 1.48 | 0.28 | 0.06 | 0.04 | 0.04 | 0.03 | | |
| 19 | 0.05 | 0.13 | 0.38 | 0.13 | 0.32 | 0.64 | 1.48 | 0.28 | 0.06 | 0.04 | 0.04 | 0.03 | | |
| 20 | 0.05 | 0.13 | 4.00 | 0.26 | 0.32 | 0.59 | 1.42 | 0.27 | 0.06 | 0.04 | 0.04 | 0.03 | | |
| 21 | 0.05 | 0.20 | 1.01 | 0.23 | 0.29 | 0.59 | 1.42 | 0.27 | 0.05 | 0.04 | 0.04 | 0.03 | | |
| 22 | 0.05 | 1.90 | 0.47 | 0.17 | 0.44 | 9.00 | 1.36 | 0.27 | 0.05 | 0.04 | 0.04 | 0.03 | | |
| 23 | 0.07 | 2.73 | 0.26 | 0.14 | 1.37 | 4.40 | 1.36 | 0.26 | 0.05 | 0.04 | 0.04 | 0.03 | | |
| 24 | 0.08 | 1.37 | 0.19 | 0.13 | 0.82 | 1.97 | 1.30 | 0.26 | 0.05 | 0.04 | 0.04 | 0.02 | | |
| 25 | 0.08 | 0.55 | 1.37 | 0.17 | 1.31 | 1.62 | 1.18 | 0.25 | 0.05 | 0.04 | 0.04 | 0.02 | | |
| 26 | 0.17 | 0.26 | 0.82 | 0.68 | 4.10 | 2.25 | 1.06 | 0.24 | 0.05 | 0.04 | 0.04 | 0.02 | | |
| 27 | 0.23 | 0.17 | 0.59 | 0.35 | 2.97 | 1.31 | 0.97 | 0.24 | 0.05 | 0.04 | 0.04 | 0.02 | | |
| 28 | 0.16 | 0.19 | 0.50 | 0.19 | 1.13 | 1.83 | 0.97 | 0.23 | 0.05 | 0.04 | 0.04 | 0.02 | | |
| 29 | 0.38 | 0.95 | 0.29 | 0.14 | 4.80 | 7.80 | 0.97 | 0.23 | 0.05 | 0.04 | | 0.02 | | |
| 30 | 1.31 | 0.50 | 0.23 | 0.17 | 1.90 | 1.62 | 0.91 | 0.22 | 0.05 | 0.04 | | 0.02 | | |
| 31 | | 0.41 | | 0.19 | 8.00 | | 0.91 | | 0.05 | 0.04 | | 0.02 | | |
| Total | 4.08 | 18.46 | 12.59 | 8.05 | 43.30 | 49.70 | 113.15 | 12.03 | 2.54 | 1.39 | 1.12 | 0.85 | 267.26 | CMSDAY |
| Mean | 0.14 | 0.60 | 0.42 | 0.26 | 1.40 | 1.66 | 3.65 | 0.40 | 0.08 | 0.04 | 0.04 | 0.03 | 0.73 | CMS |
| Max | 1.31 | 4.00 | 4.00 | 1.01 | 8.00 | 9.00 | 35.62 | 0.85 | 0.21 | 0.05 | 0.04 | 0.03 | 35.62 | CMS |
| Min | 0.05 | 0.11 | 0.07 | 0.13 | 0.11 | 0.26 | 0.70 | 0.22 | 0.05 | 0.04 | 0.04 | 0.02 | 0.02 | CMS |
| Runoff | 0.35 | 1.59 | 1.09 | 0.70 | 3.74 | 4.29 | 9.78 | 1.04 | 0.22 | 0.12 | 0.10 | 0.07 | 23.09 | MCM |

Momentary Peak 47.70 CMS, at 167.05 m. (MSL), at 13.00 Hours, on Oct 6, 2006

Runoff Yield 8.05 Liters/Second/Square KM. Momentary Peak Yield 524.18 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Nong Sang at Ban Nong Rew Nung , Kalasin (E.89)

Lat 16 - 40 - 04 N Long 103 - 18 - 16 E

**Location : on left bank at Ban Nong Rew Nung.**

| | | | |
|---|---|---|---|
| | **Ban** Nong Rew Nung | **Amphoe** Nong Kung Si | **Changwat** Kalasin |
| **Drainge Area** | 167 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +170.600 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On left bank upstream at the footpath of the bridge. | | **Elevation** +176.238 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 8 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

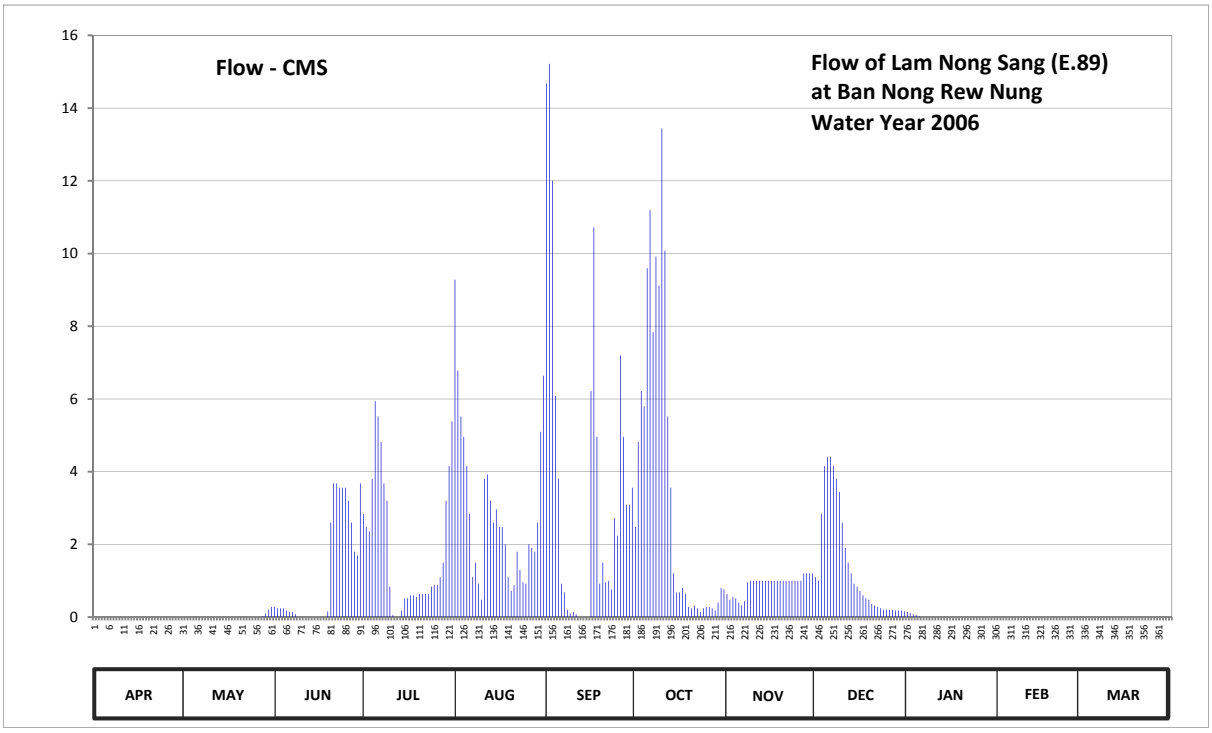
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 171.22 | 171.56 | 171.92 | 172.27 | 172.73 | 173.06 | 172.24 | 172.01 | 172.11 | 171.87 | 171.43 | 171.31 | |
| 2 | 171.22 | 171.57 | 171.91 | 172.24 | 172.57 | 173.09 | 172.43 | 171.97 | 172.10 | 171.86 | 171.42 | 171.31 | |
| 3 | 171.24 | 171.56 | 171.91 | 172.23 | 172.48 | 172.90 | 172.53 | 171.99 | 172.27 | 171.84 | 171.40 | 171.31 | |
| 4 | 171.26 | 171.58 | 171.91 | 172.35 | 172.44 | 172.52 | 172.50 | 171.98 | 172.38 | 171.83 | 171.39 | 171.31 | |
| 5 | 171.27 | 171.67 | 171.89 | 172.51 | 172.38 | 172.35 | 172.75 | 171.95 | 172.40 | 171.81 | 171.38 | 171.32 | |
| 6 | 171.28 | 171.71 | 171.87 | 172.48 | 172.27 | 172.08 | 172.85 | 171.93 | 172.40 | 171.79 | 171.37 | 171.32 | |
| 7 | 171.28 | 171.70 | 171.87 | 172.43 | 172.11 | 172.02 | 172.64 | 171.96 | 172.38 | 171.78 | 171.36 | 171.32 | |
| 8 | 171.27 | 171.70 | 171.84 | 172.34 | 172.15 | 171.90 | 172.77 | 172.09 | 172.35 | 171.76 | 171.36 | 171.32 | |
| 9 | 171.26 | 171.70 | 171.80 | 172.30 | 172.08 | 171.85 | 172.72 | 172.10 | 172.32 | 171.74 | 171.35 | 171.32 | |
| 10 | 171.25 | 171.69 | 171.79 | 172.06 | 171.97 | 171.87 | 172.99 | 172.10 | 172.25 | 171.73 | 171.33 | 171.32 | |
| 11 | 171.25 | 171.68 | 171.78 | 171.83 | 172.35 | 171.84 | 172.78 | 172.10 | 172.19 | 171.71 | 171.33 | 171.32 | |
| 12 | 171.24 | 171.68 | 171.77 | 171.79 | 172.36 | 171.77 | 172.48 | 172.10 | 172.15 | 171.69 | 171.33 | 171.32 | |
| 13 | 171.22 | 171.66 | 171.73 | 171.78 | 172.30 | 171.75 | 172.33 | 172.10 | 172.12 | 171.68 | 171.33 | 171.32 | |
| 14 | 171.22 | 171.66 | 171.56 | 171.89 | 172.25 | 171.78 | 172.12 | 172.10 | 172.08 | 171.66 | 171.33 | 171.32 | |
| 15 | 171.23 | 171.66 | 171.41 | 171.98 | 172.28 | 171.80 | 172.02 | 172.10 | 172.06 | 171.65 | 171.33 | 171.32 | |
| 16 | 171.24 | 171.65 | 171.31 | 171.98 | 172.24 | 172.53 | 172.02 | 172.10 | 172.03 | 171.65 | 171.33 | 171.32 | |
| 17 | 171.24 | 171.65 | 171.24 | 172.00 | 172.24 | 172.82 | 172.05 | 172.10 | 172.00 | 171.63 | 171.33 | 171.32 | |
| 18 | 171.23 | 171.63 | 171.28 | 172.00 | 172.20 | 172.44 | 172.01 | 172.10 | 171.98 | 171.60 | 171.33 | 171.32 | |
| 19 | 171.20 | 171.63 | 171.88 | 171.99 | 172.11 | 172.08 | 171.92 | 172.10 | 171.97 | 171.58 | 171.33 | 171.32 | |
| 20 | 171.20 | 171.62 | 172.25 | 172.01 | 172.03 | 172.15 | 171.91 | 172.10 | 171.94 | 171.54 | 171.33 | 171.32 | |
| 21 | 171.21 | 171.64 | 172.34 | 172.01 | 172.07 | 172.09 | 171.93 | 172.10 | 171.93 | 171.50 | 171.33 | 171.32 | |
| 22 | 171.21 | 171.74 | 172.34 | 172.01 | 172.18 | 172.10 | 171.91 | 172.10 | 171.92 | 171.46 | 171.33 | 171.32 | |
| 23 | 171.22 | 171.77 | 172.33 | 172.01 | 172.13 | 172.04 | 171.87 | 172.10 | 171.91 | 171.45 | 171.33 | 171.32 | |
| 24 | 171.22 | 171.78 | 172.33 | 172.06 | 172.09 | 172.26 | 171.91 | 172.10 | 171.90 | 171.45 | 171.33 | 171.32 | |
| 25 | 171.23 | 171.78 | 172.33 | 172.07 | 172.08 | 172.22 | 171.92 | 172.10 | 171.90 | 171.45 | 171.33 | 171.32 | |
| 26 | 171.25 | 171.78 | 172.30 | 172.07 | 172.20 | 172.60 | 171.92 | 172.10 | 171.90 | 171.45 | 171.33 | 171.32 | |
| 27 | 171.24 | 171.78 | 172.25 | 172.11 | 172.19 | 172.44 | 171.91 | 172.12 | 171.90 | 171.45 | 171.32 | 171.32 | |
| 28 | 171.46 | 171.81 | 172.18 | 172.15 | 172.18 | 172.29 | 171.89 | 172.12 | 171.89 | 171.44 | 171.32 | 171.32 | |
| 29 | 171.44 | 171.85 | 172.17 | 172.30 | 172.25 | 172.29 | 171.95 | 172.12 | 171.89 | 171.44 | | 171.32 | |
| 30 | 171.42 | 171.90 | 172.34 | 172.38 | 172.45 | 172.33 | 172.05 | 172.12 | 171.89 | 171.44 | | 171.32 | |
| 31 | | 171.92 | | 172.47 | 172.56 | | 172.04 | | 171.88 | 171.43 | | 171.32 | |
| Mean | 171.26 | 171.70 | 171.93 | 172.13 | 172.26 | 172.24 | 172.24 | 172.07 | 172.08 | 171.62 | 171.35 | 171.32 | |
| Max | 171.46 | 171.92 | 172.34 | 172.51 | 172.73 | 173.09 | 172.99 | 172.12 | 172.40 | 171.87 | 171.43 | 171.32 | 173.09 |
| Min | 171.20 | 171.56 | 171.24 | 171.78 | 171.97 | 171.75 | 171.87 | 171.93 | 171.88 | 171.43 | 171.32 | 171.31 | 171.20 |

Annual Max Momentary Gage Height 173.20 m. (MSL.) , at 18.00 Hours, on Oct 10, 2006

Zero Gage at Bottom Elevation 170.60 m. (MSL.) , River Bed 171.23 m. (MSL)

Left Bank Elevation 176.27 m. (MSL.) ,

Right Bank Elevation 176.25 m. (MSL.) , Drainage Are 167 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.28 | 2.84 | 9.28 | 14.68 | 2.48 | 0.64 | 1.10 | 0.14 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.24 | 2.48 | 6.78 | 15.22 | 4.82 | 0.48 | 1.00 | 0.12 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.24 | 2.36 | 5.52 | 12.00 | 6.22 | 0.56 | 2.84 | 0.08 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.24 | 3.80 | 4.96 | 6.08 | 5.80 | 0.52 | 4.16 | 0.06 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.18 | 5.94 | 4.16 | 3.80 | 9.60 | 0.40 | 4.40 | 0.02 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.14 | 5.52 | 2.84 | 0.92 | 11.20 | 0.32 | 4.40 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.14 | 4.82 | 1.10 | 0.68 | 7.84 | 0.44 | 4.16 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.08 | 3.68 | 1.50 | 0.20 | 9.92 | 0.96 | 3.80 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 3.20 | 0.92 | 0.10 | 9.12 | 1.00 | 3.44 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.84 | 0.48 | 0.14 | 13.44 | 1.00 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.06 | 3.80 | 0.08 | 10.08 | 1.00 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 3.92 | 0.00 | 5.52 | 1.00 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 3.56 | 1.00 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.18 | 2.60 | 0.00 | 1.20 | 1.00 | 0.92 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.52 | 2.96 | 0.00 | 0.68 | 1.00 | 0.84 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.52 | 2.48 | 6.22 | 0.68 | 1.00 | 0.72 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.60 | 2.48 | 10.72 | 0.80 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.60 | 2.00 | 4.96 | 0.64 | 1.00 | 0.52 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.16 | 0.56 | 1.10 | 0.92 | 0.28 | 1.00 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 2.60 | 0.64 | 0.72 | 1.50 | 0.24 | 1.00 | 0.36 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 3.68 | 0.64 | 0.88 | 0.96 | 0.32 | 1.00 | 0.32 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 3.68 | 0.64 | 1.80 | 1.00 | 0.24 | 1.00 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 3.56 | 0.64 | 1.30 | 0.76 | 0.14 | 1.00 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 3.56 | 0.84 | 0.96 | 2.72 | 0.24 | 1.00 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 3.56 | 0.88 | 0.92 | 2.24 | 0.28 | 1.00 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 3.20 | 0.88 | 2.00 | 7.20 | 0.28 | 1.00 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 2.60 | 1.10 | 1.90 | 4.96 | 0.24 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.02 | 1.80 | 1.50 | 1.80 | 3.08 | 0.18 | 1.20 | 0.18 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.10 | 1.70 | 3.20 | 2.60 | 3.08 | 0.40 | 1.20 | 0.18 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.20 | 3.68 | 4.16 | 5.10 | 3.56 | 0.80 | 1.20 | 0.18 | 0.00 | | 0.00 | | |
| 31 | | 0.28 | | 5.38 | 6.64 | | 0.76 | | 0.16 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.60 | 35.32 | 59.02 | 88.70 | 107.78 | 108.00 | 27.12 | 43.28 | 0.42 | 0.00 | 0.00 | 470.24 | CMSDAY |
| Mean | 0.00 | 0.02 | 1.18 | 1.90 | 2.86 | 3.59 | 3.48 | 0.90 | 1.40 | 0.01 | 0.00 | 0.00 | 1.29 | CMS |
| Max | 0.00 | 0.28 | 3.68 | 5.94 | 9.28 | 15.22 | 13.44 | 1.20 | 4.40 | 0.14 | 0.00 | 0.00 | 15.22 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.14 | 0.32 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.05 | 3.05 | 5.10 | 7.66 | 9.31 | 9.33 | 2.34 | 3.74 | 0.04 | 0.00 | 0.00 | 40.63 | MCM |

Momentary Peak 17.40 CMS, at 173.20 m. (MSL), at 18.00 Hours, on Oct 10, 2006

Runoff Yield 7.71 Liters/Second/Square KM. Momentary Peak Yield 104.19 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Huai Sang Kiab at Ban Nong Yang Tai , Kalasin (E.90)

Lat 16 - 46 - 28 N Long 103 - 38 - 41 E

**Location : on right bank at Ban Nong Yang Tai.**

| | | | |
|---|---|---|---|
| | **Ban** Nong Yang Tai | **Amphoe** Kham Muang | **Changwat** Kalasin |
| **Drainge Area** | 321 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +160.600 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank upstream at the footpath of the bridge. | | **Elevation** +167.096 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 23 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

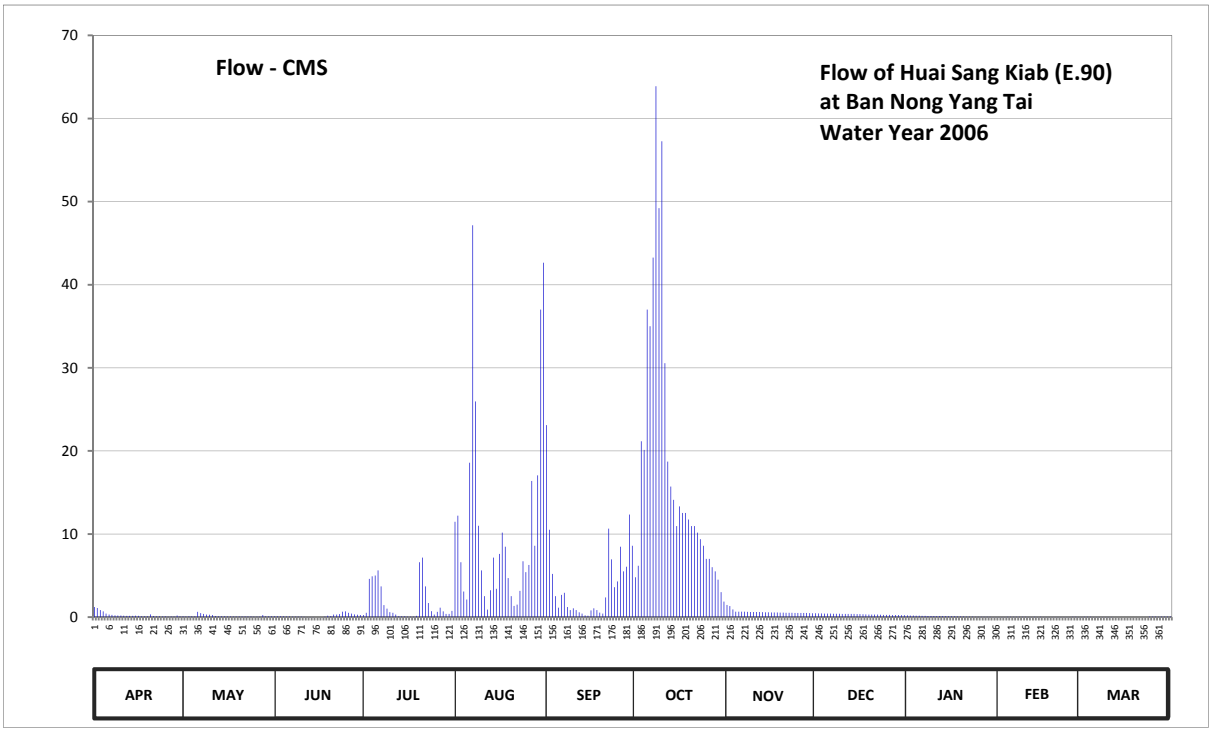
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 161.28 | 160.90 | 160.89 | 160.97 | 162.34 | 163.18 | 161.74 | 162.36 | 162.08 | 161.53 | 160.84 | 160.79 | |
| 2 | 161.25 | 160.87 | 160.90 | 161.07 | 162.40 | 162.26 | 161.87 | 162.35 | 162.06 | 161.48 | 160.83 | 160.80 | |
| 3 | 161.18 | 160.89 | 160.90 | 161.72 | 161.91 | 161.78 | 163.05 | 162.32 | 162.04 | 161.46 | 160.82 | 160.80 | |
| 4 | 161.13 | 160.90 | 160.88 | 161.75 | 161.56 | 161.49 | 162.98 | 162.30 | 162.03 | 161.43 | 160.81 | 160.80 | |
| 5 | 161.04 | 160.90 | 160.87 | 161.76 | 161.44 | 161.26 | 163.96 | 162.30 | 162.03 | 161.40 | 160.81 | 160.79 | |
| 6 | 161.00 | 161.11 | 160.85 | 161.82 | 162.87 | 161.51 | 163.86 | 162.30 | 162.01 | 161.38 | 160.80 | 160.79 | |
| 7 | 160.98 | 161.06 | 160.84 | 161.63 | 164.45 | 161.54 | 164.27 | 162.30 | 162.00 | 161.34 | 160.80 | 160.78 | |
| 8 | 160.96 | 161.03 | 160.83 | 161.33 | 163.35 | 161.28 | 165.17 | 162.29 | 161.99 | 161.30 | 160.80 | 160.77 | |
| 9 | 160.95 | 161.00 | 160.83 | 161.23 | 162.30 | 161.18 | 164.54 | 162.27 | 161.98 | 161.27 | 160.80 | 160.77 | |
| 10 | 160.95 | 160.99 | 160.83 | 161.10 | 161.82 | 161.24 | 164.89 | 162.26 | 161.96 | 161.25 | 160.80 | 160.76 | |
| 11 | 160.94 | 160.97 | 160.82 | 161.07 | 161.49 | 161.18 | 163.62 | 162.25 | 161.95 | 161.24 | 160.78 | 160.76 | |
| 12 | 160.93 | 160.92 | 160.79 | 161.00 | 161.20 | 161.09 | 162.88 | 162.25 | 161.95 | 161.25 | 160.77 | 160.75 | |
| 13 | 160.93 | 160.90 | 160.78 | 160.91 | 161.58 | 161.04 | 162.66 | 162.24 | 161.93 | 161.21 | 160.80 | 160.74 | |
| 14 | 160.93 | 160.90 | 160.76 | 160.90 | 161.96 | 160.96 | 162.59 | 162.22 | 161.92 | 161.20 | 160.79 | 160.72 | |
| 15 | 160.94 | 160.88 | 160.73 | 160.88 | 161.60 | 160.94 | 162.55 | 162.21 | 161.90 | 161.17 | 160.80 | 160.72 | |
| 16 | 160.93 | 160.86 | 160.72 | 160.84 | 162.00 | 161.17 | 162.58 | 162.20 | 161.89 | 161.14 | 160.79 | 160.75 | |
| 17 | 160.90 | 160.85 | 160.75 | 160.83 | 162.23 | 161.24 | 162.57 | 162.20 | 161.83 | 161.13 | 160.79 | 160.75 | |
| 18 | 160.88 | 160.85 | 160.83 | 160.83 | 162.08 | 161.18 | 162.57 | 162.19 | 161.78 | 161.10 | 160.79 | 160.75 | |
| 19 | 160.88 | 160.85 | 160.94 | 160.93 | 161.73 | 161.08 | 162.56 | 162.18 | 161.76 | 161.09 | 160.79 | 160.74 | |
| 20 | 161.01 | 160.85 | 160.92 | 161.91 | 161.49 | 161.04 | 162.55 | 162.17 | 161.75 | 161.06 | 160.79 | 160.74 | |
| 21 | 160.92 | 160.85 | 161.00 | 161.96 | 161.31 | 161.47 | 162.55 | 162.15 | 161.75 | 161.04 | 160.79 | 160.75 | |
| 22 | 160.90 | 160.85 | 161.00 | 161.63 | 161.34 | 162.27 | 162.54 | 162.15 | 161.72 | 161.02 | 160.79 | 160.75 | |
| 23 | 160.88 | 160.85 | 161.02 | 161.38 | 161.57 | 161.94 | 162.53 | 162.14 | 161.69 | 160.99 | 160.78 | 160.74 | |
| 24 | 160.86 | 160.87 | 161.12 | 161.14 | 161.92 | 161.62 | 162.52 | 162.13 | 161.66 | 160.96 | 160.79 | 160.84 | |
| 25 | 160.88 | 160.84 | 161.13 | 161.00 | 161.80 | 161.69 | 162.50 | 162.13 | 161.65 | 160.94 | 160.79 | 160.83 | |
| 26 | 160.84 | 160.83 | 161.07 | 161.11 | 161.88 | 162.08 | 162.50 | 162.12 | 161.63 | 160.92 | 160.81 | 160.83 | |
| 27 | 160.87 | 160.84 | 161.04 | 161.26 | 162.71 | 161.81 | 162.48 | 162.12 | 161.61 | 160.90 | 160.80 | 160.82 | |
| 28 | 160.86 | 160.97 | 161.01 | 161.13 | 162.09 | 161.86 | 162.47 | 162.11 | 161.59 | 160.89 | 160.79 | 160.83 | |
| 29 | 160.95 | 160.88 | 160.99 | 161.03 | 162.76 | 162.41 | 162.45 | 162.10 | 161.57 | 160.88 | | 160.83 | |
| 30 | 160.90 | 160.89 | 160.97 | 161.03 | 163.96 | 162.09 | 162.42 | 162.09 | 161.56 | 160.87 | | 160.84 | |
| 31 | | 160.89 | | 161.15 | 164.24 | | 162.39 | | 161.55 | 160.86 | | 160.84 | |
| Mean | 160.96 | 160.90 | 160.90 | 161.24 | 162.17 | 161.56 | 162.93 | 162.21 | 161.83 | 161.15 | 160.80 | 160.78 | |
| Max | 161.28 | 161.11 | 161.13 | 161.96 | 164.45 | 163.18 | 165.17 | 162.36 | 162.08 | 161.53 | 160.84 | 160.84 | 165.17 |
| Min | 160.84 | 160.83 | 160.72 | 160.83 | 161.20 | 160.94 | 161.74 | 162.09 | 161.55 | 160.86 | 160.77 | 160.72 | 160.72 |

Annual Max Momentary Gage Height 166.19 m. (MSL.) , at 23.00 Hours, on Oct 7, 2006

Zero Gage at Bottom Elevation 160.60 m. (MSL.) , River Bed 160.64 m. (MSL)

Left Bank Elevation 167.01 m. (MSL.) ,

Right Bank Elevation 166.96 m. (MSL.) , Drainage Are 321 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.22 | 0.10 | 0.09 | 0.24 | 11.48 | 23.10 | 4.80 | 1.46 | 0.47 | 0.22 | 0.02 | 0.02 | | |
| 2 | 1.10 | 0.08 | 0.10 | 0.51 | 12.20 | 10.52 | 6.17 | 1.33 | 0.45 | 0.20 | 0.02 | 0.03 | | |
| 3 | 0.84 | 0.09 | 0.10 | 4.60 | 6.61 | 5.20 | 21.15 | 0.92 | 0.44 | 0.19 | 0.01 | 0.03 | | |
| 4 | 0.69 | 0.10 | 0.09 | 4.90 | 3.08 | 2.52 | 20.12 | 0.65 | 0.43 | 0.18 | 0.04 | 0.03 | | |
| 5 | 0.42 | 0.10 | 0.08 | 5.00 | 2.12 | 1.14 | 37.00 | 0.65 | 0.43 | 0.17 | 0.04 | 0.02 | | |
| 6 | 0.30 | 0.63 | 0.07 | 5.62 | 18.58 | 2.68 | 35.00 | 0.65 | 0.42 | 0.16 | 0.03 | 0.02 | | |
| 7 | 0.26 | 0.48 | 0.06 | 3.70 | 47.15 | 2.92 | 43.27 | 0.65 | 0.41 | 0.15 | 0.03 | 0.02 | | |
| 8 | 0.22 | 0.39 | 0.05 | 1.45 | 25.95 | 1.22 | 63.88 | 0.64 | 0.41 | 0.14 | 0.03 | 0.01 | | |
| 9 | 0.20 | 0.30 | 0.05 | 1.02 | 11.00 | 0.84 | 49.22 | 0.62 | 0.40 | 0.13 | 0.03 | 0.01 | | |
| 10 | 0.20 | 0.28 | 0.05 | 0.60 | 5.62 | 1.06 | 57.27 | 0.61 | 0.39 | 0.13 | 0.03 | 0.01 | | |
| 11 | 0.18 | 0.24 | 0.04 | 0.51 | 2.52 | 0.84 | 30.56 | 0.61 | 0.39 | 0.12 | 0.02 | 0.01 | | |
| 12 | 0.16 | 0.14 | 0.02 | 0.30 | 0.90 | 0.57 | 18.72 | 0.61 | 0.39 | 0.13 | 0.01 | 0.00 | | |
| 13 | 0.16 | 0.10 | 0.02 | 0.12 | 3.24 | 0.42 | 15.71 | 0.60 | 0.38 | 0.11 | 0.03 | 0.00 | | |
| 14 | 0.16 | 0.10 | 0.01 | 0.10 | 7.16 | 0.22 | 14.11 | 0.58 | 0.38 | 0.11 | 0.02 | 0.00 | | |
| 15 | 0.18 | 0.09 | 0.00 | 0.09 | 3.40 | 0.18 | 10.95 | 0.57 | 0.37 | 0.10 | 0.03 | 0.00 | | |
| 16 | 0.16 | 0.07 | 0.00 | 0.06 | 7.60 | 0.81 | 13.32 | 0.56 | 0.37 | 0.09 | 0.02 | 0.00 | | |
| 17 | 0.10 | 0.07 | 0.00 | 0.05 | 10.16 | 1.06 | 12.53 | 0.56 | 0.34 | 0.09 | 0.02 | 0.00 | | |
| 18 | 0.09 | 0.07 | 0.05 | 0.05 | 8.48 | 0.84 | 12.53 | 0.55 | 0.32 | 0.08 | 0.02 | 0.00 | | |
| 19 | 0.09 | 0.07 | 0.18 | 0.16 | 4.70 | 0.54 | 11.74 | 0.54 | 0.31 | 0.08 | 0.02 | 0.00 | | |
| 20 | 0.33 | 0.07 | 0.14 | 6.61 | 2.52 | 0.42 | 10.95 | 0.54 | 0.31 | 0.07 | 0.02 | 0.00 | | |
| 21 | 0.14 | 0.07 | 0.30 | 7.16 | 1.35 | 2.36 | 10.95 | 0.52 | 0.31 | 0.06 | 0.02 | 0.00 | | |
| 22 | 0.10 | 0.07 | 0.30 | 3.70 | 1.50 | 10.64 | 10.16 | 0.52 | 0.30 | 0.06 | 0.02 | 0.00 | | |
| 23 | 0.09 | 0.07 | 0.36 | 1.70 | 3.16 | 6.94 | 9.37 | 0.51 | 0.29 | 0.05 | 0.02 | 0.00 | | |
| 24 | 0.07 | 0.08 | 0.66 | 0.72 | 6.72 | 3.60 | 8.58 | 0.50 | 0.27 | 0.04 | 0.02 | 0.06 | | |
| 25 | 0.09 | 0.06 | 0.69 | 0.30 | 5.40 | 4.30 | 7.00 | 0.50 | 0.27 | 0.04 | 0.02 | 0.05 | | |
| 26 | 0.06 | 0.05 | 0.51 | 0.63 | 6.28 | 8.48 | 7.00 | 0.50 | 0.26 | 0.03 | 0.04 | 0.05 | | |
| 27 | 0.08 | 0.06 | 0.42 | 1.14 | 16.39 | 5.51 | 6.00 | 0.50 | 0.25 | 0.03 | 0.03 | 0.04 | | |
| 28 | 0.07 | 0.24 | 0.33 | 0.69 | 8.59 | 6.06 | 5.50 | 0.49 | 0.25 | 0.03 | 0.02 | 0.05 | | |
| 29 | 0.20 | 0.09 | 0.28 | 0.39 | 17.06 | 12.34 | 4.50 | 0.48 | 0.24 | 0.03 | | 0.05 | | |
| 30 | 0.10 | 0.09 | 0.24 | 0.39 | 37.00 | 8.59 | 3.00 | 0.47 | 0.23 | 0.02 | | 0.06 | | |
| 31 | | 0.09 | | 0.75 | 42.64 | | 1.87 | | 0.23 | 0.02 | | 0.06 | | |
| Total | 8.06 | 4.54 | 5.29 | 53.26 | 340.56 | 125.92 | 562.93 | 18.89 | 10.71 | 3.06 | 0.68 | 0.63 | 1134.53 | CMSDAY |
| Mean | 0.27 | 0.15 | 0.18 | 1.72 | 10.99 | 4.20 | 18.16 | 0.63 | 0.35 | 0.10 | 0.02 | 0.02 | 3.11 | CMS |
| Max | 1.22 | 0.63 | 0.69 | 7.16 | 47.15 | 23.10 | 63.88 | 1.46 | 0.47 | 0.22 | 0.04 | 0.06 | 63.88 | CMS |
| Min | 0.06 | 0.05 | 0.00 | 0.05 | 0.90 | 0.18 | 1.87 | 0.47 | 0.23 | 0.02 | 0.01 | 0.00 | 0.00 | CMS |
| Runoff | 0.70 | 0.39 | 0.46 | 4.60 | 29.42 | 10.88 | 48.64 | 1.63 | 0.93 | 0.26 | 0.06 | 0.05 | 98.02 | MCM |

Momentary Peak 90.72 CMS, at 166.19 m. (MSL), at 23.00 Hours, on Oct 7, 2006

Runoff Yield 9.68 Liters/Second/Square KM. Momentary Peak Yield 282.62 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Kui Chuak , Maha Sarakham (E.91)

Lat 16 - 21 - 58 N Long 102 - 56 - 59 E

**Location : on left bank at Ban Kui Chuak.**

**Ban** Kui Chuak **Amphoe** Kosum Phisai **Changwat** Maha Sarakham

| | |
|---|---|
| **Drainge Area** | 29,265 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +138.000 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +151.082 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2005 to date |
| **Rating Operation** | |
| **Period of Rating** | 2005 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2005 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 31 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

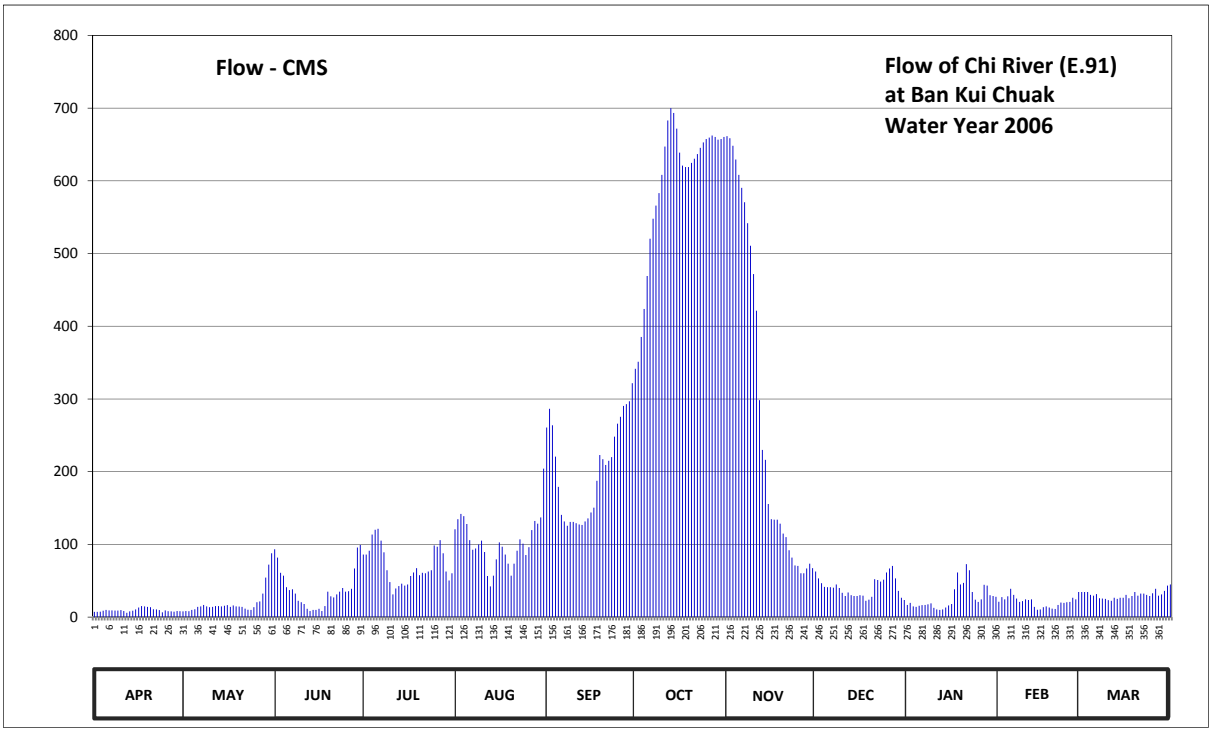
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 139.54 | 139.56 | 141.22 | 141.10 | 141.68 | 143.74 | 144.77 | 148.44 | 140.71 | 139.82 | 139.93 | 140.20 | |
| 2 | 139.54 | 139.58 | 141.03 | 141.10 | 141.91 | 144.08 | 144.89 | 148.41 | 140.54 | 139.89 | 140.07 | 140.20 | |
| 3 | 139.55 | 139.57 | 140.68 | 141.19 | 142.03 | 143.78 | 145.30 | 148.30 | 140.42 | 139.77 | 140.01 | 140.20 | |
| 4 | 139.59 | 139.63 | 140.61 | 141.56 | 141.98 | 143.19 | 145.76 | 148.10 | 140.33 | 139.75 | 140.09 | 140.13 | |
| 5 | 139.63 | 139.66 | 140.32 | 141.67 | 141.80 | 142.60 | 146.30 | 147.87 | 140.32 | 139.79 | 140.28 | 140.11 | |
| 6 | 139.61 | 139.75 | 140.25 | 141.69 | 141.43 | 142.01 | 146.89 | 147.67 | 140.32 | 139.81 | 140.13 | 140.15 | |
| 7 | 139.61 | 139.77 | 140.27 | 141.42 | 141.21 | 141.86 | 147.20 | 147.45 | 140.31 | 139.82 | 140.03 | 140.04 | |
| 8 | 139.60 | 139.82 | 140.16 | 141.15 | 141.24 | 141.76 | 147.40 | 147.13 | 140.39 | 139.84 | 139.92 | 140.03 | |
| 9 | 139.60 | 139.77 | 139.96 | 140.74 | 141.33 | 141.85 | 147.59 | 146.78 | 140.30 | 139.87 | 139.95 | 140.02 | |
| 10 | 139.62 | 139.74 | 139.91 | 140.45 | 141.42 | 141.85 | 147.87 | 146.33 | 140.18 | 139.72 | 140.01 | 139.98 | |
| 11 | 139.58 | 139.75 | 139.85 | 140.14 | 141.16 | 141.82 | 148.29 | 145.73 | 140.10 | 139.65 | 139.99 | 139.96 | |
| 12 | 139.50 | 139.78 | 139.68 | 140.29 | 140.60 | 141.79 | 148.67 | 144.23 | 140.19 | 139.63 | 140.01 | 140.05 | |
| 13 | 139.56 | 139.78 | 139.58 | 140.35 | 140.34 | 141.78 | 148.85 | 143.32 | 140.12 | 139.65 | 139.75 | 140.02 | |
| 14 | 139.59 | 139.77 | 139.63 | 140.41 | 140.61 | 141.86 | 148.78 | 143.13 | 140.10 | 139.73 | 139.64 | 140.05 | |
| 15 | 139.65 | 139.79 | 139.63 | 140.36 | 140.99 | 141.93 | 148.55 | 142.24 | 140.10 | 139.80 | 139.65 | 140.05 | |
| 16 | 139.73 | 139.81 | 139.68 | 140.39 | 141.38 | 142.06 | 148.20 | 141.91 | 140.12 | 139.85 | 139.74 | 140.13 | |
| 17 | 139.78 | 139.75 | 139.58 | 140.60 | 141.28 | 142.16 | 148.01 | 141.90 | 140.11 | 140.27 | 139.77 | 140.04 | |
| 18 | 139.77 | 139.80 | 139.78 | 140.69 | 141.10 | 142.72 | 147.99 | 141.90 | 139.96 | 140.69 | 139.73 | 140.10 | |
| 19 | 139.75 | 139.77 | 140.21 | 140.79 | 140.89 | 143.22 | 147.99 | 141.81 | 140.00 | 140.39 | 139.69 | 140.20 | |
| 20 | 139.74 | 139.76 | 140.09 | 140.62 | 140.61 | 143.14 | 148.05 | 141.58 | 140.08 | 140.43 | 139.67 | 140.11 | |
| 21 | 139.66 | 139.75 | 140.06 | 140.68 | 140.89 | 143.03 | 148.11 | 141.50 | 140.52 | 140.88 | 139.82 | 140.16 | |
| 22 | 139.65 | 139.69 | 140.14 | 140.67 | 141.19 | 143.11 | 148.18 | 141.20 | 140.50 | 140.74 | 139.90 | 140.16 | |
| 23 | 139.62 | 139.64 | 140.21 | 140.71 | 141.45 | 143.18 | 148.27 | 141.03 | 140.46 | 140.20 | 139.89 | 140.13 | |
| 24 | 139.52 | 139.63 | 140.30 | 140.74 | 141.35 | 143.57 | 148.35 | 140.85 | 140.51 | 140.00 | 139.91 | 140.10 | |
| 25 | 139.61 | 139.74 | 140.21 | 141.31 | 141.09 | 143.81 | 148.40 | 140.84 | 140.69 | 139.92 | 139.92 | 140.17 | |
| 26 | 139.57 | 139.91 | 140.22 | 141.28 | 141.27 | 143.94 | 148.42 | 140.67 | 140.78 | 140.01 | 140.05 | 140.28 | |
| 27 | 139.56 | 139.94 | 140.28 | 141.43 | 141.66 | 144.13 | 148.45 | 140.67 | 140.84 | 140.38 | 140.01 | 140.11 | |
| 28 | 139.55 | 140.16 | 140.78 | 141.13 | 141.87 | 144.16 | 148.43 | 140.78 | 140.54 | 140.36 | 140.20 | 140.14 | |
| 29 | 139.58 | 140.56 | 141.26 | 140.71 | 141.81 | 144.21 | 148.39 | 140.89 | 140.23 | 140.12 | | 140.23 | |
| 30 | 139.57 | 140.87 | 141.32 | 140.49 | 141.95 | 144.52 | 148.40 | 140.79 | 140.05 | 140.10 | | 140.36 | |
| 31 | | 141.13 | | 140.67 | 142.96 | | 148.43 | | 139.99 | 140.08 | | 140.39 | |
| Mean | 139.61 | 139.86 | 140.23 | 140.86 | 141.37 | 142.90 | 147.72 | 143.78 | 140.32 | 140.03 | 139.92 | 140.13 | |
| Max | 139.78 | 141.13 | 141.32 | 141.69 | 142.96 | 144.52 | 148.85 | 148.44 | 140.84 | 140.88 | 140.28 | 140.39 | 148.85 |
| Min | 139.50 | 139.56 | 139.58 | 140.14 | 140.34 | 141.76 | 144.77 | 140.67 | 139.96 | 139.63 | 139.64 | 139.96 | 139.50 |

Annual Max Momentary Gage Height 148.90 m. (MSL.) , at 18.00 Hours, on Oct 13, 2006

Zero Gage at Bottom Elevation 138.00 m. (MSL.) , River Bed 138.30 m. (MSL.)

Left Bank Elevation 152.09 m. (MSL.) ,

Right Bank Elevation 152.05 m. (MSL.) , Drainage Are 29,265 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.20 | 7.80 | 93.20 | 86.00 | 120.80 | 260.76 | 341.60 | 661.36 | 62.60 | 16.80 | 21.20 | 34.50 | | |
| 2 | 7.20 | 8.40 | 81.80 | 86.00 | 134.60 | 286.40 | 351.20 | 658.54 | 53.20 | 19.60 | 27.50 | 34.50 | | |
| 3 | 7.50 | 8.10 | 60.90 | 91.40 | 141.95 | 263.72 | 385.20 | 648.20 | 46.60 | 14.80 | 24.50 | 34.50 | | |
| 4 | 8.70 | 9.90 | 57.05 | 113.60 | 138.80 | 220.68 | 423.84 | 629.40 | 41.65 | 14.00 | 28.50 | 30.65 | | |
| 5 | 9.90 | 10.80 | 41.10 | 120.20 | 128.00 | 179.00 | 469.20 | 608.30 | 41.10 | 15.60 | 38.90 | 29.55 | | |
| 6 | 9.30 | 14.00 | 37.25 | 121.40 | 105.80 | 140.65 | 520.32 | 590.30 | 41.10 | 16.40 | 30.65 | 31.75 | | |
| 7 | 9.30 | 14.80 | 38.35 | 105.20 | 92.60 | 131.60 | 548.00 | 570.50 | 40.55 | 16.80 | 25.50 | 26.00 | | |
| 8 | 9.00 | 16.80 | 32.30 | 89.00 | 94.40 | 125.60 | 566.00 | 541.70 | 44.95 | 17.60 | 20.80 | 25.50 | | |
| 9 | 9.00 | 14.80 | 22.40 | 64.40 | 99.80 | 131.00 | 583.10 | 510.64 | 40.00 | 18.80 | 22.00 | 25.00 | | |
| 10 | 9.60 | 13.60 | 20.40 | 48.25 | 105.20 | 131.00 | 608.30 | 471.72 | 33.40 | 12.80 | 24.50 | 23.20 | | |
| 11 | 8.40 | 14.00 | 18.00 | 31.20 | 89.60 | 129.20 | 647.26 | 421.32 | 29.00 | 10.50 | 23.60 | 22.40 | | |
| 12 | 6.00 | 15.20 | 11.40 | 39.45 | 56.50 | 127.40 | 682.98 | 298.40 | 33.95 | 9.90 | 24.50 | 26.50 | | |
| 13 | 7.80 | 15.20 | 8.40 | 42.75 | 42.20 | 126.80 | 699.90 | 230.04 | 30.10 | 10.50 | 14.00 | 25.00 | | |
| 14 | 8.70 | 14.80 | 9.90 | 46.05 | 57.05 | 131.60 | 693.32 | 216.36 | 29.00 | 13.20 | 10.20 | 26.50 | | |
| 15 | 10.50 | 15.60 | 9.90 | 43.30 | 79.40 | 135.80 | 671.70 | 155.60 | 29.00 | 16.00 | 10.50 | 26.50 | | |
| 16 | 13.20 | 16.40 | 11.40 | 44.95 | 102.80 | 143.90 | 638.80 | 134.60 | 30.10 | 18.00 | 13.60 | 30.65 | | |
| 17 | 15.20 | 14.00 | 8.40 | 56.50 | 96.80 | 150.40 | 620.94 | 134.00 | 29.55 | 38.35 | 14.80 | 26.00 | | |
| 18 | 14.80 | 16.00 | 15.20 | 61.45 | 86.00 | 187.40 | 619.10 | 134.00 | 22.40 | 61.45 | 13.20 | 29.00 | | |
| 19 | 14.00 | 14.80 | 35.05 | 67.40 | 73.40 | 222.84 | 619.10 | 128.60 | 24.00 | 44.95 | 11.70 | 34.50 | | |
| 20 | 13.60 | 14.40 | 28.50 | 57.60 | 57.05 | 217.08 | 624.70 | 114.80 | 28.00 | 47.15 | 11.10 | 29.55 | | |
| 21 | 10.80 | 14.00 | 27.00 | 60.90 | 73.40 | 209.16 | 630.34 | 110.00 | 52.10 | 72.80 | 16.80 | 32.30 | | |
| 22 | 10.50 | 11.70 | 31.20 | 60.35 | 91.40 | 214.92 | 636.92 | 92.00 | 51.00 | 64.40 | 20.00 | 32.30 | | |
| 23 | 9.60 | 10.20 | 35.05 | 62.60 | 107.00 | 219.96 | 645.38 | 81.80 | 48.80 | 34.50 | 19.60 | 30.65 | | |
| 24 | 6.60 | 9.90 | 40.00 | 64.40 | 101.00 | 248.18 | 652.90 | 71.00 | 51.55 | 24.00 | 20.40 | 29.00 | | |
| 25 | 9.30 | 13.60 | 35.05 | 98.60 | 85.40 | 265.94 | 657.60 | 70.40 | 61.45 | 20.80 | 20.80 | 32.85 | | |
| 26 | 8.10 | 20.40 | 35.60 | 96.80 | 96.20 | 275.56 | 659.48 | 60.35 | 66.80 | 24.50 | 26.50 | 38.90 | | |
| 27 | 7.80 | 21.60 | 38.90 | 105.80 | 119.60 | 290.40 | 662.30 | 60.35 | 70.40 | 44.40 | 24.50 | 29.55 | | |
| 28 | 7.50 | 32.30 | 66.80 | 87.80 | 132.20 | 292.80 | 660.42 | 66.80 | 53.20 | 43.30 | 34.50 | 31.20 | | |
| 29 | 8.40 | 54.30 | 95.60 | 62.60 | 128.60 | 296.80 | 656.66 | 73.40 | 36.15 | 30.10 | | 36.15 | | |
| 30 | 8.10 | 72.20 | 99.20 | 50.45 | 137.00 | 321.60 | 657.60 | 67.40 | 26.50 | 29.00 | | 43.30 | | |
| 31 | | 87.80 | | 60.35 | 204.20 | | 660.42 | | 23.60 | 28.00 | | 44.95 | | |
| Total | 285.60 | 617.40 | 1145.30 | 2226.75 | 3178.75 | 6078.15 | 18494.58 | 8611.88 | 1271.80 | 849.00 | 594.35 | 952.90 | 44306.46 | CMSDAY |
| Mean | 9.52 | 19.92 | 38.18 | 71.83 | 102.54 | 202.61 | 596.60 | 287.06 | 41.03 | 27.39 | 21.23 | 30.74 | 121.39 | CMS |
| Max | 15.20 | 87.80 | 99.20 | 121.40 | 204.20 | 321.60 | 699.90 | 661.36 | 70.40 | 72.80 | 38.90 | 44.95 | 699.90 | CMS |
| Min | 6.00 | 7.80 | 8.40 | 31.20 | 42.20 | 125.60 | 341.60 | 60.35 | 22.40 | 9.90 | 10.20 | 22.40 | 6.00 | CMS |
| Runoff | 24.68 | 53.34 | 98.95 | 192.39 | 274.64 | 525.15 | 1597.93 | 744.07 | 109.88 | 73.35 | 51.35 | 82.33 | 3828.08 | MCM |

Momentary Peak 704.60 CMS, at 148.90 m. (MSL.), at 18.00 Hours, on Oct 13, 2006

Runoff Yield 4.15 Liters/Second/Square KM. Momentary Peak Yield 24.08 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Dan Taka, Nakhon Ratchasima (M.2A)

Lat 14 - 57 - 57 N Long 102 - 14 - 38 E

**Location : on left bank at Ban Dan Taka.**

| | | | |
|---|---|---|---|
| | **Ban** Dan Taka | **Amphoe** Chaloem Phra Kiat | **Changwat** Nakhon Ratchasima |
| **Drainge Area** | 4,724 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +161.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank downstream at the footpath. | **Elevation** +169.284 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2001 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2001 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2001 to date | | |
| **Stability of Channel Regimes** | Stable because of backwater effect. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +166.200 m.(MSL.), records are channel flow only. | | |
| **General Description** | Records good. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

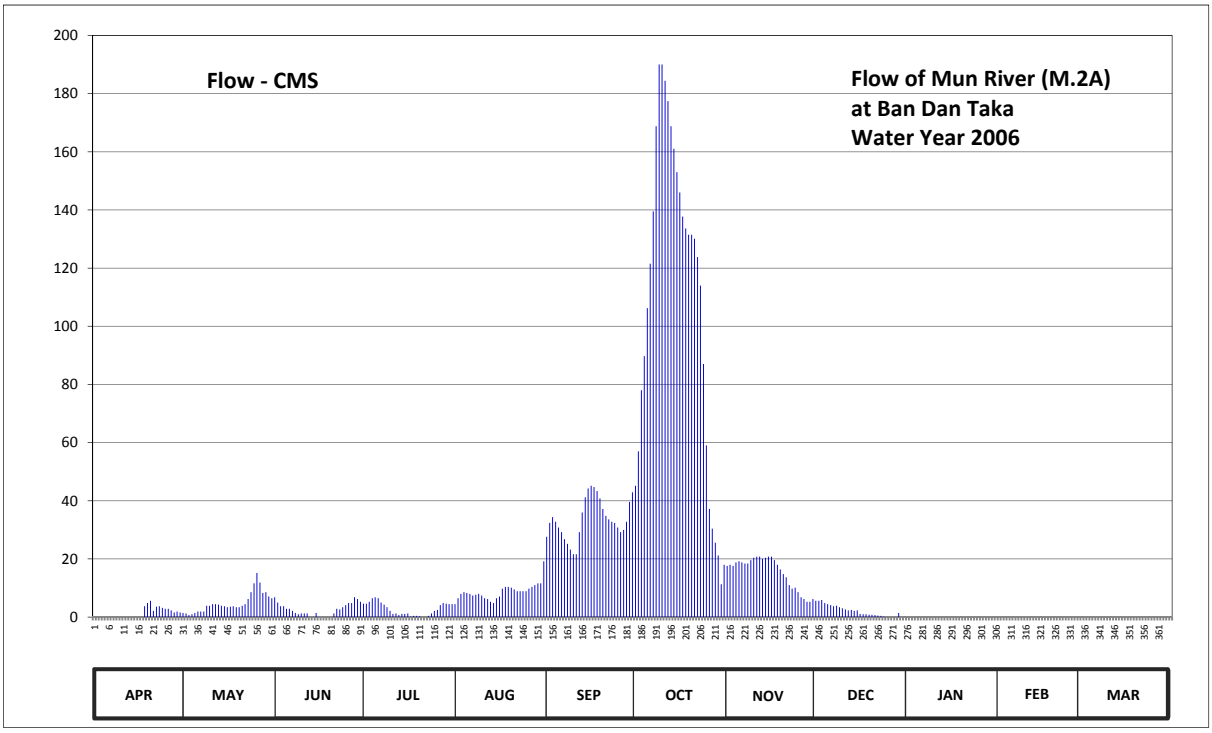
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 162.00 | 163.10 | 163.36 | 163.28 | 163.27 | 163.94 | 164.37 | 163.69 | 163.32 | 162.85 | 162.08 | 162.92 | |
| 2 | 162.00 | 163.09 | 163.30 | 163.28 | 163.35 | 164.06 | 164.62 | 163.70 | 163.32 | 162.83 | 162.03 | 162.90 | |
| 3 | 162.00 | 163.05 | 163.23 | 163.31 | 163.40 | 164.11 | 165.40 | 163.69 | 163.33 | 162.84 | 162.00 | 162.98 | |
| 4 | 162.00 | 163.07 | 163.23 | 163.35 | 163.42 | 164.07 | 165.89 | 163.72 | 163.29 | 162.81 | 161.98 | 162.94 | |
| 5 | 162.00 | 163.10 | 163.18 | 163.36 | 163.41 | 164.02 | 166.38 | 163.73 | 163.27 | 162.80 | 161.94 | 162.96 | |
| 6 | 162.00 | 163.13 | 163.18 | 163.35 | 163.40 | 163.98 | 166.69 | 163.72 | 163.25 | 162.76 | 161.88 | 162.99 | |
| 7 | 162.00 | 163.13 | 163.14 | 163.30 | 163.38 | 163.92 | 166.95 | 163.71 | 163.23 | 162.71 | 161.79 | 162.96 | |
| 8 | 162.00 | 163.13 | 163.10 | 163.26 | 163.39 | 163.88 | 167.24 | 163.71 | 163.24 | 162.64 | 161.74 | 162.96 | |
| 9 | 162.00 | 163.24 | 163.07 | 163.21 | 163.40 | 163.83 | 167.40 | 163.74 | 163.21 | 162.60 | 161.70 | 162.98 | |
| 10 | 162.00 | 163.24 | 163.09 | 163.14 | 163.38 | 163.79 | 167.40 | 163.76 | 163.19 | 162.57 | 161.67 | 162.92 | |
| 11 | 162.00 | 163.27 | 163.09 | 163.08 | 163.35 | 163.79 | 167.36 | 163.77 | 163.17 | 162.58 | 161.69 | 162.88 | |
| 12 | 162.00 | 163.27 | 163.09 | 163.09 | 163.34 | 163.98 | 167.31 | 163.77 | 163.15 | 162.63 | 162.23 | 162.85 | |
| 13 | 161.90 | 163.26 | 163.00 | 163.05 | 163.31 | 164.15 | 167.24 | 163.75 | 163.16 | 162.60 | 163.03 | 162.86 | |
| 14 | 161.70 | 163.24 | 162.95 | 163.08 | 163.29 | 164.28 | 167.17 | 163.76 | 163.14 | 162.57 | 163.25 | 162.87 | |
| 15 | 161.90 | 163.23 | 163.10 | 163.08 | 163.35 | 164.35 | 167.09 | 163.77 | 163.15 | 162.55 | 163.25 | 162.84 | |
| 16 | 161.90 | 163.21 | 162.99 | 163.09 | 163.37 | 164.37 | 167.02 | 163.77 | 163.08 | 162.52 | 163.28 | 162.81 | |
| 17 | 162.47 | 163.22 | 162.93 | 163.01 | 163.46 | 164.36 | 166.93 | 163.74 | 163.07 | 162.50 | 163.30 | 162.90 | |
| 18 | 163.23 | 163.23 | 162.89 | 163.03 | 163.48 | 164.33 | 166.88 | 163.70 | 163.07 | 162.50 | 163.34 | 162.90 | |
| 19 | 163.29 | 163.21 | 162.86 | 163.03 | 163.48 | 164.27 | 166.85 | 163.66 | 163.06 | 162.48 | 163.27 | 162.85 | |
| 20 | 163.32 | 163.21 | 162.84 | 163.02 | 163.47 | 164.18 | 166.85 | 163.62 | 163.06 | 162.44 | 163.23 | 162.82 | |
| 21 | 163.14 | 163.24 | 163.09 | 162.99 | 163.45 | 164.12 | 166.83 | 163.59 | 163.05 | 162.45 | 163.19 | 162.79 | |
| 22 | 163.22 | 163.27 | 163.18 | 162.92 | 163.43 | 164.09 | 166.73 | 163.50 | 163.04 | 162.43 | 163.20 | 162.73 | |
| 23 | 163.23 | 163.34 | 163.17 | 163.03 | 163.43 | 164.07 | 166.54 | 163.46 | 163.03 | 162.39 | 163.20 | 163.10 | |
| 24 | 163.20 | 163.42 | 163.21 | 163.09 | 163.43 | 164.06 | 165.80 | 163.47 | 163.01 | 162.38 | 163.20 | 163.29 | |
| 25 | 163.18 | 163.52 | 163.25 | 163.14 | 163.43 | 164.02 | 164.66 | 163.42 | 162.98 | 162.36 | 163.13 | 163.32 | |
| 26 | 163.18 | 163.63 | 163.29 | 163.16 | 163.46 | 163.98 | 164.18 | 163.36 | 162.95 | 162.30 | 163.07 | 163.27 | |
| 27 | 163.15 | 163.53 | 163.29 | 163.25 | 163.48 | 164.00 | 164.01 | 163.34 | 162.92 | 162.26 | 163.01 | 163.23 | |
| 28 | 163.11 | 163.41 | 163.36 | 163.29 | 163.50 | 164.07 | 163.89 | 163.31 | 162.95 | 162.22 | 162.97 | 163.29 | |
| 29 | 163.13 | 163.42 | 163.34 | 163.28 | 163.52 | 164.24 | 163.78 | 163.31 | 163.10 | 162.18 | | 163.29 | |
| 30 | 163.11 | 163.37 | 163.31 | 163.27 | 163.52 | 164.32 | 163.51 | 163.34 | 162.96 | 162.15 | | 163.30 | |
| 31 | | 163.35 | | 163.27 | 163.73 | | 163.70 | | 162.89 | 162.13 | | 163.30 | |
| Mean | 162.51 | 163.26 | 163.14 | 163.16 | 163.42 | 164.09 | 166.02 | 163.62 | 163.12 | 162.52 | 162.63 | 163.00 | |
| Max | 163.32 | 163.63 | 163.36 | 163.36 | 163.73 | 164.37 | 167.40 | 163.77 | 163.33 | 162.85 | 163.34 | 163.32 | 167.40 |
| Min | 161.70 | 163.05 | 162.84 | 162.92 | 163.27 | 163.79 | 163.51 | 163.31 | 162.89 | 162.13 | 161.67 | 162.73 | 161.67 |

Annual Max Momentary Gage Height 167.40 m. (MSL.) , at 06.00 Hours , on Oct 9, 2006

Zero Gage at Bottom Elevation 161.00 m. (MSL.) , River Bed 159.46 m. (MSL.)

Left Bank Elevation 168.22 m. (MSL.) ,

Right Bank Elevation 166.19 m. (MSL.) , Drainage Are 4,724 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 1.40 | 6.80 | 4.64 | 4.46 | 27.60 | 45.15 | 17.60 | 5.60 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 1.26 | 5.00 | 4.64 | 6.50 | 32.40 | 57.00 | 18.00 | 5.60 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.70 | 3.74 | 5.30 | 8.00 | 34.40 | 78.00 | 17.60 | 5.90 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.98 | 3.74 | 6.50 | 8.60 | 32.80 | 89.70 | 18.80 | 4.82 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 1.40 | 2.84 | 6.80 | 8.30 | 30.80 | 106.20 | 19.20 | 4.46 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 1.94 | 2.84 | 6.50 | 8.00 | 29.20 | 121.50 | 18.80 | 4.10 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 1.94 | 2.12 | 5.00 | 7.40 | 26.80 | 139.50 | 18.40 | 3.74 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 1.94 | 1.40 | 4.28 | 7.70 | 25.20 | 168.80 | 18.40 | 3.92 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 3.92 | 0.98 | 3.38 | 8.00 | 23.20 | 190.00 | 19.60 | 3.38 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 3.92 | 1.26 | 2.12 | 7.40 | 21.60 | 190.00 | 20.40 | 3.02 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 4.46 | 1.26 | 1.12 | 6.50 | 21.60 | 184.40 | 20.80 | 2.66 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 4.46 | 1.26 | 1.26 | 6.20 | 29.20 | 177.40 | 20.80 | 2.30 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 4.28 | 0.00 | 0.70 | 5.30 | 36.00 | 168.80 | 20.00 | 2.48 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 3.92 | 0.00 | 1.12 | 4.82 | 41.20 | 161.00 | 20.40 | 2.12 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 3.74 | 1.40 | 1.12 | 6.50 | 44.25 | 153.00 | 20.80 | 2.30 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 3.38 | 0.00 | 1.26 | 7.10 | 45.15 | 146.00 | 20.80 | 1.12 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 3.56 | 0.00 | 0.14 | 9.80 | 44.70 | 137.70 | 19.60 | 0.98 | 0.00 | 0.00 | 0.00 | | |
| 18 | 3.74 | 3.74 | 0.00 | 0.42 | 10.40 | 43.35 | 133.60 | 18.00 | 0.98 | 0.00 | 0.00 | 0.00 | | |
| 19 | 4.82 | 3.38 | 0.00 | 0.42 | 10.40 | 40.80 | 131.50 | 16.40 | 0.84 | 0.00 | 0.00 | 0.00 | | |
| 20 | 5.60 | 3.38 | 0.00 | 0.28 | 10.10 | 37.20 | 131.50 | 14.80 | 0.84 | 0.00 | 0.00 | 0.00 | | |
| 21 | 2.12 | 3.92 | 1.26 | 0.00 | 9.50 | 34.80 | 130.10 | 13.70 | 0.70 | 0.00 | 0.00 | 0.00 | | |
| 22 | 3.56 | 4.46 | 2.84 | 0.00 | 8.90 | 33.60 | 123.80 | 11.00 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 23 | 3.74 | 6.20 | 2.66 | 0.42 | 8.90 | 32.80 | 114.00 | 9.80 | 0.42 | 0.00 | 0.00 | 0.00 | | |
| 24 | 3.20 | 8.60 | 3.38 | 1.26 | 8.90 | 32.40 | 87.00 | 10.10 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 25 | 2.84 | 11.60 | 4.10 | 2.12 | 8.90 | 30.80 | 59.00 | 8.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 2.84 | 15.20 | 4.82 | 2.48 | 9.80 | 29.20 | 37.20 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 2.30 | 11.90 | 4.82 | 4.10 | 10.40 | 30.00 | 30.40 | 6.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 1.58 | 8.30 | 6.80 | 4.82 | 11.00 | 32.80 | 25.60 | 5.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 1.94 | 8.60 | 6.20 | 4.64 | 11.60 | 39.60 | 21.20 | 5.30 | 1.40 | 0.00 | | 0.00 | | |
| 30 | 1.58 | 7.10 | 5.30 | 4.46 | 11.60 | 42.90 | 11.30 | 6.20 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 6.50 | | 4.46 | 19.20 | | 18.00 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 39.86 | 150.08 | 76.82 | 85.76 | 270.18 | 1006.35 | 3368.35 | 462.20 | 64.38 | 0.00 | 0.00 | 0.00 | 5523.98 | CMSDAY |
| Mean | 1.33 | 4.84 | 2.56 | 2.77 | 8.72 | 33.54 | 108.66 | 15.41 | 2.08 | 0.00 | 0.00 | 0.00 | 15.13 | CMS |
| Max | 5.60 | 15.20 | 6.80 | 6.80 | 19.20 | 45.15 | 190.00 | 20.80 | 5.90 | 0.00 | 0.00 | 0.00 | 190.00 | CMS |
| Min | 0.00 | 0.70 | 0.00 | 0.00 | 4.46 | 21.60 | 11.30 | 5.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 3.44 | 12.97 | 6.64 | 7.41 | 23.34 | 86.95 | 291.03 | 39.93 | 5.56 | 0.00 | 0.00 | 0.00 | 477.27 | MCM |

Momentary Peak 190.00 CMS. at 167.40 m. (MSL.) at 06.00 Hours , on Oct 9, 2006

Runoff Yield 3.20 Liters/Second/Square KM. Momentary Peak Yield 40.22 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Phong Sawai, Surin (M.4)

Lat 15 - 19 - 30 N Long 103 - 40 - 59 E

**Location : on left bank at the bridge on highway.**

**Ban** Phong Sawai **Amphoe** Tha Tum **Changwat** Surin

| | |
|---|---|
| **Drainge Area** | 34,654 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +117.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the gage site. **Elevation** +128.995 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1996-1997, 2005 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996-1997, 2005 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996-1997, 2005 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +123.260 m.(MSL.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 37 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

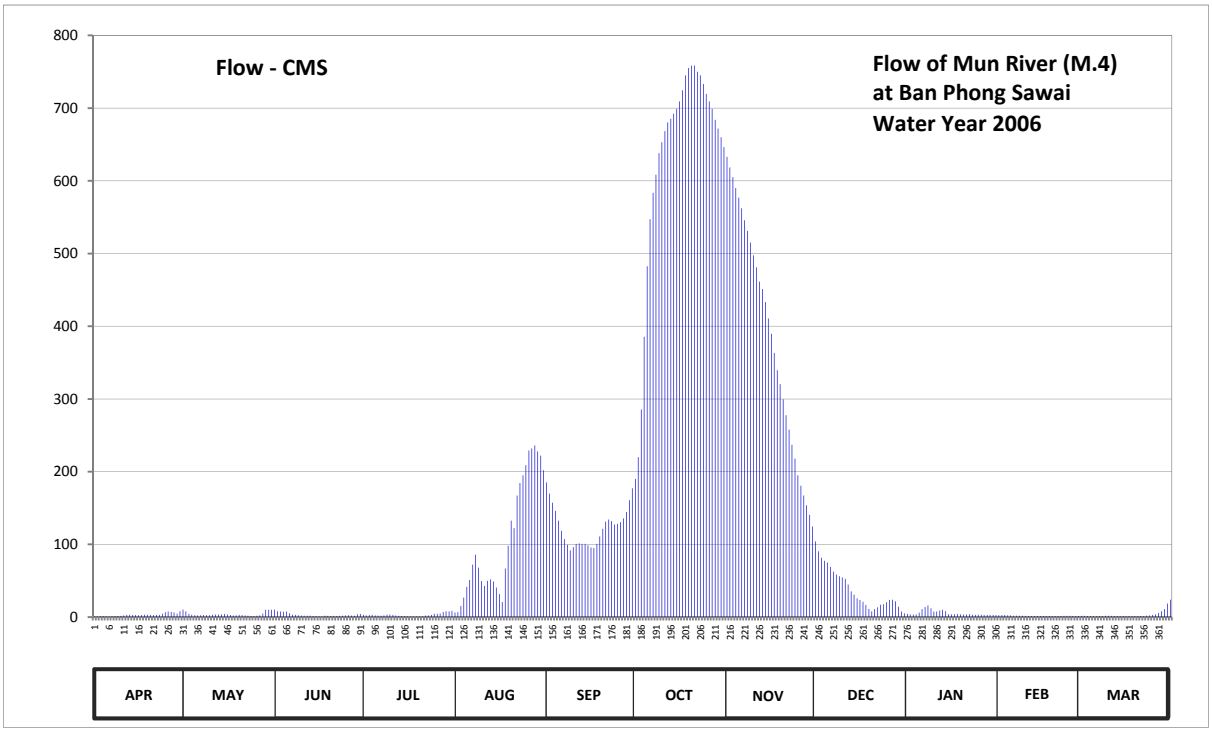
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 117.31 | 117.81 | 117.81 | 117.51 | 117.68 | 120.78 | 120.83 | 124.14 | 119.77 | 117.61 | 117.47 | 117.38 | |
| 2 | 117.31 | 117.73 | 117.74 | 117.44 | 117.69 | 120.61 | 121.13 | 124.05 | 119.56 | 117.57 | 117.49 | 117.37 | |
| 3 | 117.32 | 117.61 | 117.72 | 117.48 | 117.98 | 120.47 | 121.74 | 123.97 | 119.42 | 117.54 | 117.49 | 117.36 | |
| 4 | 117.32 | 117.52 | 117.71 | 117.52 | 118.32 | 120.34 | 122.54 | 123.88 | 119.35 | 117.57 | 117.46 | 117.32 | |
| 5 | 117.31 | 117.47 | 117.72 | 117.45 | 118.67 | 120.17 | 123.21 | 123.80 | 119.31 | 117.67 | 117.43 | 117.32 | |
| 6 | 117.28 | 117.44 | 117.64 | 117.41 | 118.87 | 119.98 | 123.62 | 123.71 | 119.21 | 117.83 | 117.40 | 117.33 | |
| 7 | 117.32 | 117.46 | 117.53 | 117.39 | 119.26 | 119.82 | 123.84 | 123.61 | 119.09 | 117.93 | 117.39 | 117.35 | |
| 8 | 117.35 | 117.48 | 117.50 | 117.44 | 119.49 | 119.70 | 123.99 | 123.52 | 119.02 | 118.00 | 117.39 | 117.35 | |
| 9 | 117.35 | 117.47 | 117.46 | 117.53 | 119.19 | 119.58 | 124.17 | 123.42 | 118.97 | 117.87 | 117.39 | 117.37 | |
| 10 | 117.38 | 117.47 | 117.41 | 117.54 | 118.84 | 119.65 | 124.26 | 123.31 | 118.94 | 117.72 | 117.37 | 117.37 | |
| 11 | 117.44 | 117.52 | 117.40 | 117.50 | 118.70 | 119.72 | 124.35 | 123.20 | 118.90 | 117.72 | 117.36 | 117.37 | |
| 12 | 117.51 | 117.55 | 117.40 | 117.41 | 118.85 | 119.73 | 124.42 | 123.07 | 118.74 | 117.77 | 117.36 | 117.36 | |
| 13 | 117.52 | 117.54 | 117.40 | 117.37 | 118.89 | 119.72 | 124.45 | 123.00 | 118.53 | 117.80 | 117.36 | 117.35 | |
| 14 | 117.50 | 117.58 | 117.36 | 117.35 | 118.83 | 119.72 | 124.49 | 122.88 | 118.42 | 117.74 | 117.36 | 117.35 | |
| 15 | 117.48 | 117.61 | 117.33 | 117.32 | 118.65 | 119.69 | 124.53 | 122.72 | 118.29 | 117.60 | 117.36 | 117.35 | |
| 16 | 117.47 | 117.55 | 117.30 | 117.30 | 118.44 | 119.64 | 124.59 | 122.57 | 118.23 | 117.58 | 117.36 | 117.34 | |
| 17 | 117.48 | 117.49 | 117.29 | 117.29 | 118.15 | 119.63 | 124.68 | 122.38 | 118.16 | 117.60 | 117.36 | 117.34 | |
| 18 | 117.53 | 117.42 | 117.39 | 117.28 | 119.17 | 119.72 | 124.80 | 122.20 | 118.02 | 117.61 | 117.36 | 117.34 | |
| 19 | 117.52 | 117.45 | 117.37 | 117.28 | 119.68 | 119.87 | 124.86 | 122.04 | 117.84 | 117.57 | 117.36 | 117.35 | |
| 20 | 117.50 | 117.50 | 117.36 | 117.28 | 120.17 | 120.02 | 124.88 | 121.86 | 117.73 | 117.55 | 117.35 | 117.36 | |
| 21 | 117.49 | 117.48 | 117.38 | 117.30 | 120.03 | 120.15 | 124.88 | 121.67 | 117.83 | 117.57 | 117.35 | 117.36 | |
| 22 | 117.50 | 117.43 | 117.36 | 117.41 | 120.58 | 120.19 | 124.83 | 121.49 | 117.91 | 117.59 | 117.35 | 117.36 | |
| 23 | 117.51 | 117.39 | 117.37 | 117.45 | 120.77 | 120.16 | 124.80 | 121.30 | 118.03 | 117.53 | 117.37 | 117.39 | |
| 24 | 117.62 | 117.36 | 117.39 | 117.51 | 120.88 | 120.10 | 124.73 | 121.11 | 118.05 | 117.50 | 117.37 | 117.43 | |
| 25 | 117.69 | 117.33 | 117.45 | 117.62 | 121.02 | 120.11 | 124.65 | 120.88 | 118.14 | 117.53 | 117.37 | 117.51 | |
| 26 | 117.72 | 117.40 | 117.47 | 117.62 | 121.22 | 120.14 | 124.59 | 120.73 | 118.23 | 117.53 | 117.36 | 117.57 | |
| 27 | 117.70 | 117.45 | 117.41 | 117.63 | 121.25 | 120.21 | 124.53 | 120.58 | 118.24 | 117.50 | 117.35 | 117.66 | |
| 28 | 117.68 | 117.63 | 117.40 | 117.70 | 121.29 | 120.32 | 124.44 | 120.43 | 118.18 | 117.51 | 117.35 | 117.74 | |
| 29 | 117.63 | 117.80 | 117.59 | 117.74 | 121.21 | 120.51 | 124.37 | 120.27 | 117.94 | 117.50 | | 117.83 | |
| 30 | 117.74 | 117.80 | 117.61 | 117.73 | 121.15 | 120.69 | 124.30 | 120.06 | 117.72 | 117.51 | | 118.09 | |
| 31 | | 117.80 | | 117.75 | 120.95 | | 124.22 | | 117.64 | 117.48 | | 118.24 | |
| Mean | 117.48 | 117.53 | 117.48 | 117.47 | 119.54 | 120.04 | 124.06 | 122.39 | 118.50 | 117.63 | 117.38 | 117.46 | |
| Max | 117.74 | 117.81 | 117.81 | 117.75 | 121.29 | 120.78 | 124.88 | 124.14 | 119.77 | 118.00 | 117.49 | 118.24 | 124.88 |
| Min | 117.28 | 117.33 | 117.29 | 117.28 | 117.68 | 119.58 | 120.83 | 120.06 | 117.64 | 117.48 | 117.35 | 117.32 | 117.28 |

Annual Max Momentary Gage Height 124.89 m. (MSL.) , at 15.00 Hours , on Oct 20 , 2006

Zero Gage at Bottom Elevation 117.00 m. (MSL.) , River Bed 116.17 m. (MSL)

Left Bank Elevation 123.25 m. (MSL.) ,

Right Bank Elevation 126.23 m. (MSL.) , Drainage Are 34,654 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.10 | 10.30 | 10.30 | 3.10 | 6.40 | 185.20 | 190.00 | 633.10 | 104.05 | 4.30 | 2.70 | 1.80 | | |
| 2 | 1.10 | 7.90 | 8.20 | 2.40 | 6.70 | 169.90 | 220.00 | 618.25 | 90.40 | 3.70 | 2.90 | 1.70 | | |
| 3 | 1.20 | 4.30 | 7.60 | 2.80 | 15.40 | 157.30 | 285.60 | 605.05 | 81.70 | 3.40 | 2.90 | 1.60 | | |
| 4 | 1.20 | 3.20 | 7.30 | 3.20 | 26.80 | 146.20 | 385.60 | 590.20 | 77.50 | 3.70 | 2.60 | 1.20 | | |
| 5 | 1.10 | 2.70 | 7.60 | 2.50 | 41.65 | 132.75 | 482.50 | 577.00 | 75.10 | 6.10 | 2.30 | 1.20 | | |
| 6 | 0.80 | 2.40 | 5.20 | 2.10 | 51.00 | 118.60 | 547.30 | 562.15 | 69.10 | 10.90 | 2.00 | 1.30 | | |
| 7 | 1.20 | 2.60 | 3.30 | 1.90 | 72.10 | 107.40 | 583.60 | 545.65 | 62.45 | 13.90 | 1.90 | 1.50 | | |
| 8 | 1.50 | 2.80 | 3.00 | 2.40 | 85.90 | 99.50 | 608.35 | 531.20 | 58.60 | 16.00 | 1.90 | 1.50 | | |
| 9 | 1.50 | 2.70 | 2.60 | 3.30 | 67.95 | 91.70 | 638.05 | 515.20 | 56.00 | 12.10 | 1.90 | 1.70 | | |
| 10 | 1.80 | 2.70 | 2.10 | 3.40 | 49.50 | 96.25 | 653.20 | 497.60 | 54.50 | 7.60 | 1.70 | 1.70 | | |
| 11 | 2.40 | 3.20 | 2.00 | 3.00 | 43.00 | 100.80 | 668.50 | 481.00 | 52.50 | 7.60 | 1.60 | 1.70 | | |
| 12 | 3.10 | 3.50 | 2.00 | 2.10 | 50.00 | 101.45 | 680.40 | 461.50 | 44.80 | 9.10 | 1.60 | 1.60 | | |
| 13 | 3.20 | 3.40 | 2.00 | 1.70 | 52.00 | 100.80 | 685.50 | 451.00 | 35.35 | 10.00 | 1.60 | 1.50 | | |
| 14 | 3.00 | 3.80 | 1.60 | 1.50 | 49.00 | 100.80 | 692.30 | 433.20 | 30.80 | 8.20 | 1.60 | 1.50 | | |
| 15 | 2.80 | 4.30 | 1.30 | 1.20 | 40.75 | 98.85 | 699.10 | 410.80 | 25.65 | 4.00 | 1.60 | 1.50 | | |
| 16 | 2.70 | 3.50 | 1.00 | 1.00 | 31.60 | 95.60 | 709.30 | 389.80 | 23.55 | 3.80 | 1.60 | 1.40 | | |
| 17 | 2.80 | 2.90 | 0.90 | 0.90 | 20.75 | 94.95 | 724.60 | 363.20 | 21.10 | 4.00 | 1.60 | 1.40 | | |
| 18 | 3.30 | 2.20 | 1.90 | 0.80 | 66.85 | 100.80 | 745.00 | 339.50 | 16.60 | 4.30 | 1.60 | 1.40 | | |
| 19 | 3.20 | 2.50 | 1.70 | 0.80 | 98.20 | 110.90 | 755.20 | 320.30 | 11.20 | 3.70 | 1.60 | 1.50 | | |
| 20 | 3.00 | 3.00 | 1.60 | 0.80 | 132.75 | 121.50 | 758.60 | 299.40 | 7.90 | 3.50 | 1.50 | 1.60 | | |
| 21 | 2.90 | 2.80 | 1.80 | 1.00 | 122.25 | 131.25 | 758.60 | 277.70 | 10.90 | 3.70 | 1.50 | 1.60 | | |
| 22 | 3.00 | 2.30 | 1.60 | 2.10 | 167.20 | 134.25 | 750.10 | 257.90 | 13.30 | 3.90 | 1.50 | 1.60 | | |
| 23 | 3.10 | 1.90 | 1.70 | 2.50 | 184.30 | 132.00 | 745.00 | 237.00 | 16.90 | 3.30 | 1.70 | 1.90 | | |
| 24 | 4.60 | 1.60 | 1.90 | 3.10 | 195.00 | 127.50 | 733.10 | 218.00 | 17.50 | 3.00 | 1.70 | 2.30 | | |
| 25 | 6.70 | 1.30 | 2.50 | 4.60 | 209.00 | 128.25 | 719.50 | 195.00 | 20.40 | 3.30 | 1.70 | 3.10 | | |
| 26 | 7.60 | 2.00 | 2.70 | 4.60 | 229.00 | 130.50 | 709.30 | 180.70 | 23.55 | 3.30 | 1.60 | 3.70 | | |
| 27 | 7.00 | 2.50 | 2.10 | 4.90 | 232.00 | 135.80 | 699.10 | 167.20 | 23.90 | 3.00 | 1.50 | 5.80 | | |
| 28 | 6.40 | 4.90 | 2.00 | 7.00 | 236.00 | 144.60 | 683.80 | 153.70 | 21.80 | 3.10 | 1.50 | 8.20 | | |
| 29 | 4.90 | 10.00 | 3.90 | 8.20 | 228.00 | 160.90 | 671.90 | 140.60 | 14.20 | 3.00 | | 10.90 | | |
| 30 | 8.20 | 10.00 | 4.30 | 7.90 | 222.00 | 177.10 | 660.00 | 124.50 | 7.60 | 3.10 | | 18.70 | | |
| 31 | | 10.00 | | 8.50 | 202.00 | | 646.40 | | 5.20 | 2.80 | | 23.90 | | |
| Total | 96.40 | 123.20 | 97.70 | 95.30 | 3235.05 | 3733.40 | 19489.50 | 11577.40 | 1174.10 | 175.40 | 51.40 | 112.00 | 39960.85 | CMSDAY |
| Mean | 3.21 | 3.97 | 3.26 | 3.07 | 104.36 | 124.45 | 628.69 | 385.91 | 37.87 | 5.66 | 1.84 | 3.61 | 109.48 | CMS |
| Max | 8.20 | 10.30 | 10.30 | 8.50 | 236.00 | 185.20 | 758.60 | 633.10 | 104.05 | 16.00 | 2.90 | 23.90 | 758.60 | CMS |
| Min | 0.80 | 1.30 | 0.90 | 0.80 | 6.40 | 91.70 | 190.00 | 124.50 | 5.20 | 2.80 | 1.50 | 1.20 | 0.80 | CMS |
| Runoff | 8.33 | 10.64 | 8.44 | 8.23 | 279.51 | 322.57 | 1683.89 | 1000.29 | 101.44 | 15.15 | 4.44 | 9.68 | 3452.62 | MCM |

Momentary Peak 760.30 CMS. at 124.89 m. (MSL.) at 15.00 Hours , on Oct 20 , 2006

Runoff Yield 3.16 Liters/Second/Square KM. Momentary Peak Yield 21.94 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Mueang Kong, Si Sa Ket (M.5)

Lat 15 - 20 - 16 N Long 104 - 09 - 21 E

**Location : on left bank infront of Amphoe Rasi Salai Office.**

**Ban** Mueang Kong **Amphoe** Rasi Salai **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 45,295 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +110.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank downstream side at the footpath of the bridge. **Elevation** +124.814 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1955 to date |
| **Rating Operation** | |
| **Period of Rating** | 1972 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1972 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +118.150 m.(MSL.), records are channel flow only. |
| **General Description** | Records very good. Flow effected by Rasi Salai barrage about 10 kilometers above gage site. Stage-discharge relation defined by 51 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

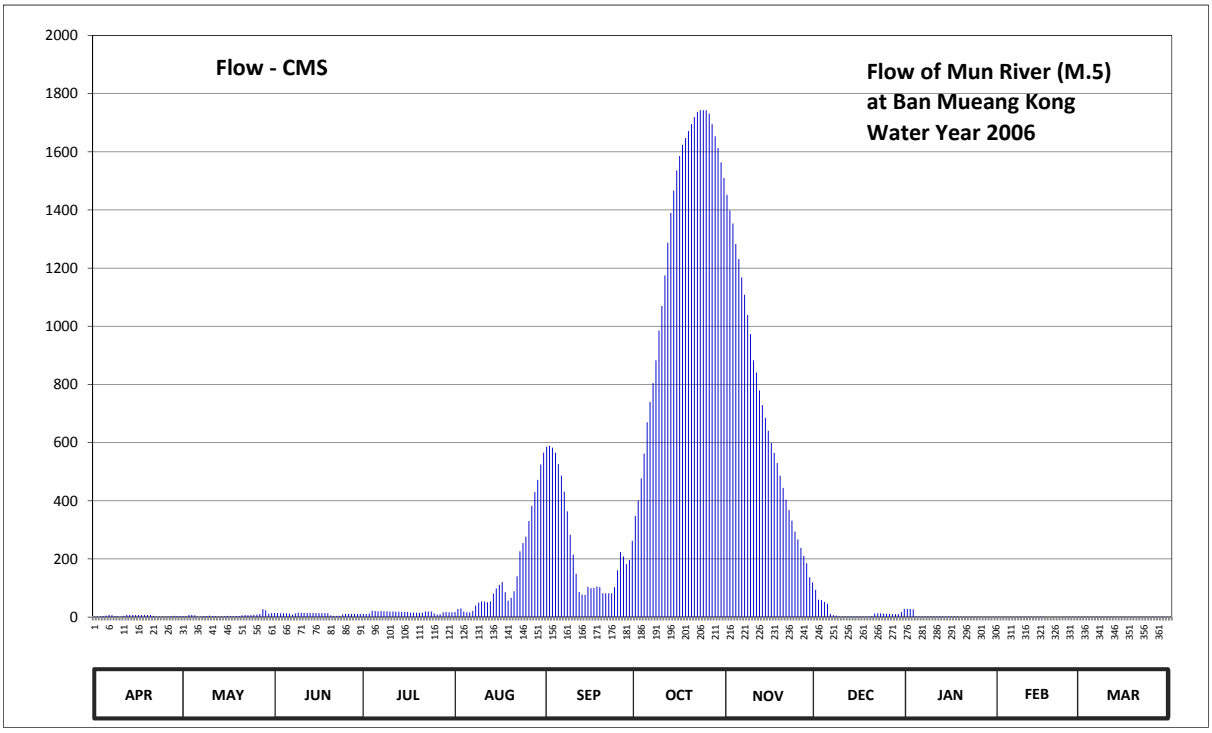
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 109.93 | 110.07 | 110.38 | 110.30 | 110.47 | 116.15 | 114.14 | 119.25 | 111.83 | 110.73 | 109.89 | 109.90 | |
| 2 | 109.97 | 110.10 | 110.37 | 110.30 | 110.72 | 116.17 | 114.61 | 119.13 | 111.43 | 110.72 | 109.89 | 109.90 | |
| 3 | 110.02 | 110.22 | 110.36 | 110.32 | 110.76 | 116.12 | 115.24 | 119.03 | 111.40 | 110.70 | 109.89 | 109.90 | |
| 4 | 110.07 | 110.22 | 110.36 | 110.58 | 110.49 | 115.98 | 115.95 | 118.87 | 111.32 | 110.00 | 109.89 | 109.90 | |
| 5 | 110.16 | 110.19 | 110.36 | 110.55 | 110.44 | 115.65 | 116.73 | 118.74 | 111.18 | 110.00 | 109.89 | 109.90 | |
| 6 | 110.22 | 109.96 | 110.34 | 110.52 | 110.43 | 115.32 | 117.12 | 118.58 | 110.30 | 110.00 | 109.89 | 109.90 | |
| 7 | 110.18 | 109.96 | 110.25 | 110.54 | 110.55 | 114.86 | 117.42 | 118.41 | 110.18 | 110.00 | 109.89 | 109.90 | |
| 8 | 110.08 | 110.10 | 110.34 | 110.52 | 111.01 | 114.28 | 117.71 | 118.21 | 110.14 | 110.00 | 109.89 | 109.90 | |
| 9 | 110.05 | 110.11 | 110.40 | 110.52 | 111.28 | 113.55 | 118.05 | 118.01 | 110.01 | 110.00 | 109.89 | 109.90 | |
| 10 | 109.95 | 110.14 | 110.38 | 110.50 | 111.34 | 112.93 | 118.30 | 117.71 | 110.00 | 110.00 | 109.89 | 109.90 | |
| 11 | 110.13 | 110.10 | 110.38 | 110.50 | 111.33 | 112.33 | 118.60 | 117.56 | 110.00 | 110.00 | 109.89 | 109.90 | |
| 12 | 110.22 | 110.10 | 110.38 | 110.49 | 111.30 | 111.75 | 118.88 | 117.31 | 110.00 | 110.00 | 109.89 | 109.90 | |
| 13 | 110.22 | 109.95 | 110.38 | 110.49 | 111.34 | 111.65 | 119.11 | 117.06 | 110.00 | 110.00 | 109.89 | 109.90 | |
| 14 | 110.22 | 110.01 | 110.38 | 110.48 | 111.69 | 111.64 | 119.28 | 116.82 | 110.00 | 110.00 | 109.89 | 109.90 | |
| 15 | 110.20 | 110.06 | 110.37 | 110.48 | 111.87 | 111.92 | 119.42 | 116.54 | 110.00 | 110.00 | 109.89 | 109.90 | |
| 16 | 110.20 | 110.12 | 110.37 | 110.46 | 111.98 | 111.88 | 119.51 | 116.25 | 110.00 | 110.00 | 109.89 | 109.90 | |
| 17 | 110.20 | 110.06 | 110.37 | 110.41 | 112.07 | 111.89 | 119.58 | 115.97 | 110.00 | 110.00 | 109.86 | 109.90 | |
| 18 | 110.21 | 110.05 | 110.37 | 110.41 | 111.74 | 111.93 | 119.62 | 115.68 | 110.00 | 110.00 | 109.78 | 109.90 | |
| 19 | 110.20 | 110.11 | 110.35 | 110.41 | 111.38 | 111.91 | 119.66 | 115.32 | 110.00 | 109.88 | 109.78 | 109.90 | |
| 20 | 110.20 | 110.10 | 110.17 | 110.40 | 111.52 | 111.70 | 119.70 | 114.97 | 110.10 | 109.88 | 109.78 | 109.90 | |
| 21 | 110.12 | 110.18 | 110.12 | 110.41 | 111.78 | 111.70 | 119.74 | 114.63 | 110.33 | 109.88 | 109.78 | 109.90 | |
| 22 | 109.95 | 110.20 | 110.12 | 110.50 | 112.25 | 111.70 | 119.77 | 114.32 | 110.35 | 109.89 | 109.85 | 109.90 | |
| 23 | 109.95 | 110.18 | 110.12 | 110.50 | 113.03 | 111.70 | 119.78 | 113.99 | 110.35 | 109.89 | 109.87 | 109.90 | |
| 24 | 109.95 | 110.20 | 110.26 | 110.50 | 113.29 | 111.91 | 119.78 | 113.65 | 110.32 | 109.89 | 109.89 | 109.90 | |
| 25 | 109.94 | 110.23 | 110.30 | 110.32 | 113.49 | 112.44 | 119.78 | 113.40 | 110.30 | 109.89 | 109.89 | 109.90 | |
| 26 | 109.99 | 110.25 | 110.30 | 110.24 | 113.98 | 113.01 | 119.76 | 113.14 | 110.30 | 109.89 | 109.90 | 109.90 | |
| 27 | 110.06 | 110.28 | 110.30 | 110.27 | 114.45 | 112.87 | 119.70 | 112.89 | 110.29 | 109.89 | 109.90 | 109.90 | |
| 28 | 110.13 | 110.71 | 110.30 | 110.43 | 114.85 | 112.63 | 119.63 | 112.66 | 110.28 | 109.89 | 109.90 | 109.90 | |
| 29 | 110.08 | 110.61 | 110.30 | 110.46 | 115.20 | 112.76 | 119.56 | 112.22 | 110.29 | 109.89 | | 109.90 | |
| 30 | 110.07 | 110.32 | 110.30 | 110.43 | 115.64 | 113.36 | 119.47 | 112.06 | 110.46 | 109.89 | | 109.90 | |
| 31 | | 110.37 | | 110.44 | 115.98 | | 119.37 | | 110.74 | 109.89 | | 109.90 | |
| Mean | 110.10 | 110.17 | 110.32 | 110.44 | 112.18 | 113.12 | 118.55 | 116.08 | 110.38 | 110.02 | 109.87 | 109.90 | |
| Max | 110.22 | 110.71 | 110.40 | 110.58 | 115.98 | 116.17 | 119.78 | 119.25 | 111.83 | 110.73 | 109.90 | 109.90 | 119.78 |
| Min | 109.93 | 109.95 | 110.12 | 110.24 | 110.43 | 111.64 | 114.14 | 112.06 | 110.00 | 109.88 | 109.78 | 109.90 | 109.78 |

Annual Max Momentary Gage Height 119.78 m. (MSL.) , at 18.00 Hours , on Oct 22, 2006

Zero Gage at Bottom Elevation 110.00 m. (MSL.) , River Bed 109.04 m. (MSL.)

Left Bank Elevation 122.04 m. (MSL.) ,

Right Bank Elevation 118.14 m. (MSL.) , Drainage Are 45,295 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.30 | 3.05 | 14.20 | 11.00 | 17.80 | 586.00 | 348.40 | 1452.50 | 94.30 | 28.20 | 0.90 | 1.00 | | |
| 2 | 1.70 | 3.50 | 13.80 | 11.00 | 27.80 | 588.40 | 401.20 | 1398.50 | 60.10 | 27.80 | 0.90 | 1.00 | | |
| 3 | 2.30 | 7.80 | 13.40 | 11.80 | 29.40 | 582.40 | 476.80 | 1353.50 | 58.00 | 27.00 | 0.90 | 1.00 | | |
| 4 | 3.05 | 7.80 | 13.40 | 22.20 | 18.60 | 565.60 | 562.00 | 1283.00 | 52.40 | 2.00 | 0.90 | 1.00 | | |
| 5 | 5.60 | 6.65 | 13.40 | 21.00 | 16.60 | 526.00 | 670.10 | 1231.00 | 46.20 | 2.00 | 0.90 | 1.00 | | |
| 6 | 7.80 | 1.60 | 12.60 | 19.80 | 16.20 | 486.40 | 739.80 | 1168.00 | 11.00 | 2.00 | 0.90 | 1.00 | | |
| 7 | 6.30 | 1.60 | 9.00 | 20.60 | 21.00 | 431.20 | 805.00 | 1108.50 | 6.30 | 2.00 | 0.90 | 1.00 | | |
| 8 | 3.20 | 3.50 | 12.60 | 19.80 | 39.40 | 363.80 | 883.00 | 1038.50 | 4.90 | 2.00 | 0.90 | 1.00 | | |
| 9 | 2.75 | 3.85 | 15.00 | 19.80 | 50.20 | 283.50 | 985.00 | 973.00 | 2.15 | 2.00 | 0.90 | 1.00 | | |
| 10 | 1.50 | 4.90 | 14.20 | 19.00 | 53.80 | 215.30 | 1070.00 | 883.00 | 2.00 | 2.00 | 0.90 | 1.00 | | |
| 11 | 4.55 | 3.50 | 14.20 | 19.00 | 53.10 | 149.30 | 1175.00 | 841.20 | 2.00 | 2.00 | 0.90 | 1.00 | | |
| 12 | 7.80 | 3.50 | 14.20 | 18.60 | 51.00 | 86.50 | 1287.00 | 779.30 | 2.00 | 2.00 | 0.90 | 1.00 | | |
| 13 | 7.80 | 1.50 | 14.20 | 18.60 | 53.80 | 77.50 | 1389.50 | 728.80 | 2.00 | 2.00 | 0.90 | 1.00 | | |
| 14 | 7.80 | 2.15 | 14.20 | 18.20 | 81.10 | 76.60 | 1466.00 | 685.60 | 2.00 | 2.00 | 0.90 | 1.00 | | |
| 15 | 7.00 | 2.90 | 13.80 | 18.20 | 98.70 | 104.20 | 1536.00 | 641.00 | 2.00 | 2.00 | 0.90 | 1.00 | | |
| 16 | 7.00 | 4.20 | 13.80 | 17.40 | 110.80 | 99.80 | 1585.50 | 598.50 | 2.00 | 2.00 | 0.90 | 1.00 | | |
| 17 | 7.00 | 2.90 | 13.80 | 15.40 | 120.70 | 100.90 | 1624.00 | 564.40 | 2.00 | 2.00 | 0.60 | 1.00 | | |
| 18 | 7.40 | 2.75 | 13.80 | 15.40 | 85.60 | 105.30 | 1647.00 | 529.60 | 2.00 | 2.00 | 0.00 | 1.00 | | |
| 19 | 7.00 | 3.85 | 13.00 | 15.40 | 56.60 | 103.10 | 1671.00 | 486.40 | 2.00 | 0.80 | 0.00 | 1.00 | | |
| 20 | 7.00 | 3.50 | 5.95 | 15.00 | 66.60 | 82.00 | 1695.00 | 444.40 | 3.50 | 0.80 | 0.00 | 1.00 | | |
| 21 | 4.20 | 6.30 | 4.20 | 15.40 | 89.20 | 82.00 | 1719.00 | 403.60 | 12.20 | 0.80 | 0.00 | 1.00 | | |
| 22 | 1.50 | 7.00 | 4.20 | 19.00 | 140.50 | 82.00 | 1737.00 | 368.20 | 13.00 | 0.90 | 0.50 | 1.00 | | |
| 23 | 1.50 | 6.30 | 4.20 | 19.00 | 226.30 | 82.00 | 1743.00 | 331.90 | 13.00 | 0.90 | 0.70 | 1.00 | | |
| 24 | 1.50 | 7.00 | 9.40 | 19.00 | 254.90 | 103.10 | 1743.00 | 294.50 | 11.80 | 0.90 | 0.90 | 1.00 | | |
| 25 | 1.40 | 8.20 | 11.00 | 11.80 | 276.90 | 161.40 | 1743.00 | 267.00 | 11.00 | 0.90 | 0.90 | 1.00 | | |
| 26 | 1.90 | 9.00 | 11.00 | 8.60 | 330.80 | 224.10 | 1731.00 | 238.40 | 11.00 | 0.90 | 1.00 | 1.00 | | |
| 27 | 2.90 | 10.20 | 11.00 | 9.80 | 382.50 | 208.70 | 1695.00 | 210.90 | 10.60 | 0.90 | 1.00 | 1.00 | | |
| 28 | 4.55 | 27.40 | 11.00 | 16.20 | 430.00 | 182.30 | 1653.00 | 185.60 | 10.20 | 0.90 | 1.00 | 1.00 | | |
| 29 | 3.20 | 23.40 | 11.00 | 17.40 | 472.00 | 196.60 | 1613.00 | 137.20 | 10.60 | 0.90 | | 1.00 | | |
| 30 | 3.05 | 11.80 | 11.00 | 16.20 | 524.80 | 262.60 | 1563.50 | 119.60 | 17.40 | 0.90 | | 1.00 | | |
| 31 | | 13.80 | | 16.60 | 565.60 | | 1510.00 | | 28.60 | 0.90 | | 1.00 | | |
| Total | 131.55 | 205.40 | 350.55 | 516.20 | 4762.30 | 7198.60 | 40467.80 | 20745.60 | 508.25 | 124.40 | 21.00 | 31.00 | 75062.65 | CMSDAY |
| Mean | 4.39 | 6.63 | 11.68 | 16.65 | 153.62 | 239.95 | 1305.41 | 691.52 | 16.40 | 4.01 | 0.75 | 1.00 | 205.65 | CMS |
| Max | 7.80 | 27.40 | 15.00 | 22.20 | 565.60 | 588.40 | 1743.00 | 1452.50 | 94.30 | 28.20 | 1.00 | 1.00 | 1743.00 | CMS |
| Min | 1.30 | 1.50 | 4.20 | 8.60 | 16.20 | 76.60 | 348.40 | 119.60 | 2.00 | 0.80 | 0.00 | 1.00 | 0.00 | CMS |
| Runoff | 11.37 | 17.75 | 30.29 | 44.60 | 411.46 | 621.96 | 3496.42 | 1792.42 | 43.91 | 10.75 | 1.81 | 2.68 | 6485.41 | MCM |

Momentary Peak 1743.00 CMS. at 119.78 m. (MSL.) at 18.00 Hours , on Oct 22, 2006

Runoff Yield 4.54 Liters/Second/Square KM. Momentary Peak Yield 38.48 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Satuk, Buri Ram (M.6A)

Lat 15 - 17 - 53 N Long 103 - 17 - 46 E

**Location : on right bank at Satuk.**

**Ban** Satuk **Amphoe** Satuk **Changwat** Buri Ram

| | |
|---|---|
| **Drainge Area** | 28,458 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +124.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the footpath of the bridge. **Elevation** +133.558 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1964 to date |
| **Rating Operation** | |
| **Period of Rating** | 1976 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1976 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +127.540 m.(MSL.), records are channel flow only. |
| **General Description** | Records very good. Ban Hua Saphan weir situated about 30 Kilometers above gage site and Non Kho weir situated about 10 kilometers downstream from the gage sit. Stage-discharge relation defined by 28 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

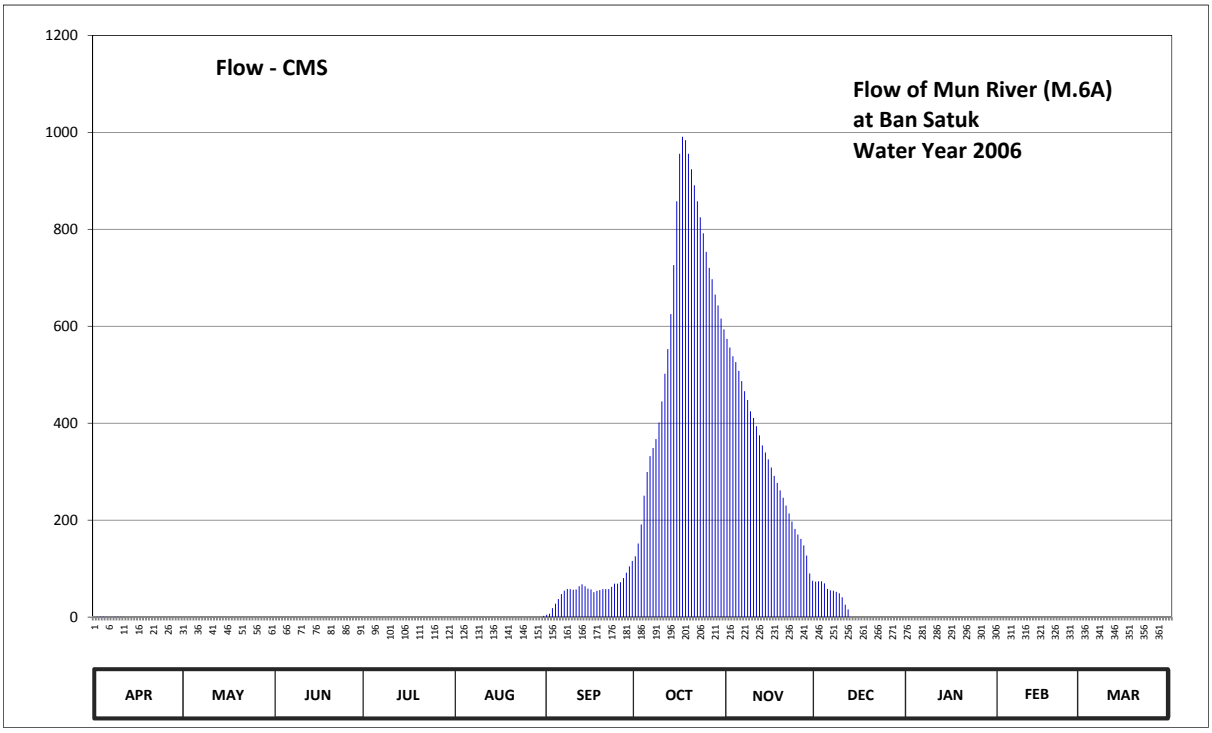
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 123.83 | 123.64 | 123.47 | 123.21 | 123.62 | 124.13 | 126.58 | 129.68 | 125.87 | 124.11 | 123.89 | 123.84 | |
| 2 | 123.85 | 123.64 | 123.46 | 123.20 | 123.65 | 124.27 | 126.91 | 129.62 | 125.88 | 124.11 | 123.88 | 123.83 | |
| 3 | 123.86 | 123.62 | 123.45 | 123.19 | 123.66 | 124.84 | 127.36 | 129.56 | 125.88 | 124.29 | 123.88 | 123.83 | |
| 4 | 123.86 | 123.62 | 123.44 | 123.18 | 123.67 | 125.07 | 127.95 | 129.52 | 125.81 | 124.41 | 123.87 | 123.82 | |
| 5 | 123.84 | 123.62 | 123.44 | 123.17 | 123.69 | 125.27 | 128.38 | 129.46 | 125.62 | 124.44 | 123.87 | 123.82 | |
| 6 | 123.82 | 123.62 | 123.43 | 123.18 | 123.66 | 125.44 | 128.63 | 129.39 | 125.57 | 124.37 | 123.86 | 123.82 | |
| 7 | 123.81 | 123.62 | 123.42 | 123.17 | 123.64 | 125.56 | 128.76 | 129.32 | 125.56 | 124.26 | 123.86 | 123.82 | |
| 8 | 123.85 | 123.62 | 123.41 | 123.15 | 123.62 | 125.62 | 128.87 | 129.26 | 125.52 | 124.17 | 123.86 | 123.82 | |
| 9 | 123.84 | 123.61 | 123.41 | 123.14 | 123.61 | 125.61 | 129.05 | 129.17 | 125.47 | 124.12 | 123.85 | 123.81 | |
| 10 | 123.83 | 123.60 | 123.40 | 123.13 | 123.61 | 125.59 | 129.25 | 129.10 | 125.33 | 124.08 | 123.85 | 123.81 | |
| 11 | 123.82 | 123.60 | 123.39 | 123.17 | 123.59 | 125.60 | 129.44 | 129.01 | 125.02 | 124.05 | 123.85 | 123.81 | |
| 12 | 123.80 | 123.60 | 123.39 | 123.18 | 123.58 | 125.71 | 129.61 | 128.91 | 124.75 | 124.03 | 123.85 | 123.80 | |
| 13 | 123.79 | 123.59 | 123.37 | 123.17 | 123.57 | 125.78 | 129.80 | 128.80 | 124.73 | 124.01 | 123.85 | 123.79 | |
| 14 | 123.77 | 123.59 | 123.35 | 123.16 | 123.57 | 125.71 | 130.02 | 128.69 | 124.79 | 124.00 | 123.85 | 123.78 | |
| 15 | 123.76 | 123.58 | 123.35 | 123.17 | 123.57 | 125.63 | 130.26 | 128.58 | 124.67 | 123.98 | 123.85 | 123.78 | |
| 16 | 123.79 | 123.56 | 123.34 | 123.16 | 123.58 | 125.60 | 130.43 | 128.45 | 124.64 | 123.96 | 123.85 | 123.77 | |
| 17 | 123.78 | 123.54 | 123.32 | 123.15 | 123.57 | 125.51 | 130.48 | 128.32 | 124.72 | 123.95 | 123.85 | 123.77 | |
| 18 | 123.76 | 123.54 | 123.31 | 123.14 | 123.57 | 125.55 | 130.47 | 128.19 | 124.76 | 123.94 | 123.85 | 123.76 | |
| 19 | 123.74 | 123.54 | 123.30 | 123.17 | 123.62 | 125.58 | 130.43 | 128.05 | 124.59 | 123.93 | 123.84 | 123.76 | |
| 20 | 123.72 | 123.54 | 123.27 | 123.19 | 123.61 | 125.61 | 130.38 | 127.91 | 124.48 | 123.92 | 123.83 | 123.76 | |
| 21 | 123.71 | 123.54 | 123.27 | 123.34 | 123.61 | 125.61 | 130.32 | 127.75 | 124.58 | 123.92 | 123.83 | 123.75 | |
| 22 | 123.71 | 123.54 | 123.26 | 123.37 | 123.63 | 125.61 | 130.26 | 127.59 | 124.72 | 123.92 | 123.82 | 123.75 | |
| 23 | 123.70 | 123.53 | 123.25 | 123.35 | 123.63 | 125.69 | 130.20 | 127.42 | 124.80 | 123.91 | 123.82 | 123.75 | |
| 24 | 123.68 | 123.52 | 123.25 | 123.38 | 123.61 | 125.80 | 130.14 | 127.27 | 124.77 | 123.90 | 123.82 | 123.75 | |
| 25 | 123.67 | 123.51 | 123.23 | 123.45 | 123.60 | 125.80 | 130.07 | 127.14 | 124.58 | 123.90 | 123.82 | 123.75 | |
| 26 | 123.67 | 123.50 | 123.23 | 123.46 | 123.60 | 125.85 | 130.01 | 127.03 | 124.42 | 123.90 | 123.84 | 123.74 | |
| 27 | 123.66 | 123.50 | 123.21 | 123.48 | 123.60 | 125.99 | 129.96 | 126.86 | 124.31 | 123.89 | 123.84 | 123.74 | |
| 28 | 123.65 | 123.50 | 123.23 | 123.50 | 123.60 | 126.16 | 129.89 | 126.60 | 124.24 | 123.89 | 123.84 | 123.74 | |
| 29 | 123.65 | 123.49 | 123.23 | 123.52 | 123.64 | 126.32 | 129.84 | 126.14 | 124.19 | 123.89 | | 123.77 | |
| 30 | 123.64 | 123.48 | 123.22 | 123.52 | 123.76 | 126.46 | 129.78 | 125.90 | 124.16 | 123.89 | | 123.76 | |
| 31 | | 123.48 | | 123.54 | 123.97 | | 129.73 | | 124.13 | 123.89 | | 123.75 | |
| Mean | 123.76 | 123.56 | 123.34 | 123.27 | 123.63 | 125.57 | 129.46 | 128.29 | 124.92 | 124.03 | 123.85 | 123.78 | |
| Max | 123.86 | 123.64 | 123.47 | 123.54 | 123.97 | 126.46 | 130.48 | 129.68 | 125.88 | 124.44 | 123.89 | 123.84 | 130.48 |
| Min | 123.64 | 123.48 | 123.21 | 123.13 | 123.57 | 124.13 | 126.58 | 125.90 | 124.13 | 123.89 | 123.82 | 123.74 | 123.13 |

Annual Max Momentary Gage Height 130.48 m. (MSL.) , at 06.00 Hours , on Oct 17, 2006

Zero Gage at Bottom Elevation 124.00 m. (MSL.) , River Bed 121.52 m. (MSL.)

Left Bank Elevation 127.53 m. (MSL.) ,

Right Bank Elevation 132.17 m. (MSL.) , Drainage Are 28,458 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 4.95 | 125.40 | 574.00 | 73.20 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 7.05 | 151.80 | 556.00 | 73.80 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 18.60 | 191.00 | 538.00 | 73.80 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 27.80 | 250.50 | 526.00 | 69.60 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 37.20 | 299.40 | 508.00 | 58.20 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 47.40 | 331.90 | 487.00 | 55.20 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 54.60 | 348.80 | 466.00 | 54.60 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 58.20 | 367.30 | 448.00 | 52.20 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 57.60 | 401.50 | 424.30 | 49.20 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 56.40 | 445.00 | 411.00 | 40.80 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 57.00 | 502.00 | 393.90 | 25.80 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 63.60 | 553.00 | 374.90 | 15.75 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 67.80 | 625.00 | 354.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 63.60 | 726.00 | 339.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 58.80 | 858.00 | 325.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.00 | 956.00 | 308.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51.60 | 991.00 | 291.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.00 | 984.00 | 276.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.80 | 956.00 | 261.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.60 | 924.00 | 246.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.60 | 891.00 | 230.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.60 | 858.00 | 214.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.40 | 825.00 | 197.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.00 | 792.00 | 182.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.00 | 753.50 | 170.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 72.00 | 720.50 | 161.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 80.40 | 697.00 | 147.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 91.80 | 665.50 | 127.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 104.60 | 643.00 | 90.20 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.80 | 616.00 | 75.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 2.55 | | 593.50 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 6.15 | 0.00 | 0.00 | 0.00 | 2.55 | 1736.80 | 19042.60 | 9705.40 | 642.15 | 0.00 | 0.00 | 0.00 | 31135.65 | CMSDAY |
| Mean | 0.20 | 0.00 | 0.00 | 0.00 | 0.08 | 57.89 | 614.28 | 323.51 | 20.71 | 0.00 | 0.00 | 0.00 | 85.30 | CMS |
| Max | 0.90 | 0.00 | 0.00 | 0.00 | 2.55 | 115.80 | 991.00 | 574.00 | 73.80 | 0.00 | 0.00 | 0.00 | 991.00 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.95 | 125.40 | 75.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.53 | 0.00 | 0.00 | 0.00 | 0.22 | 150.06 | 1645.28 | 838.55 | 55.48 | 0.00 | 0.00 | 0.00 | 2690.12 | MCM |

Momentary Peak 991.00 CMS. at 130.48 m. (MSL.) at 06.00 Hours , on Oct 17, 2006

Runoff Yield 3.00 Liters/Second/Square KM. Momentary Peak Yield 34.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Chumchondeengam, Ubon Ratchathani (M.7)

Lat 15 - 13 - 15 N Long 104 - 51 - 41 E

**Location : on left bank at Seri Prachathipatai Bridge.**

**Ban** Chumchondeengam **Amphoe** Warin Chamrap **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 107,345 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +105.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of 200 years Krung Ratanakosin Bridg **Elevation** +117.645 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1944 to date |
| **Rating Operation** | |
| **Period of Rating** | 1956 - 1958, 1964 - 1981, 1983 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1956 - 1958, 1964 - 1981, 1983 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +111.360 m.(MSL.) and is including overbank flow. |
| **General Description** | Records very good. Pak Mun barrage situated about 90 kilometers downstream from the gage site. Stage-discharge relation defined by 47 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

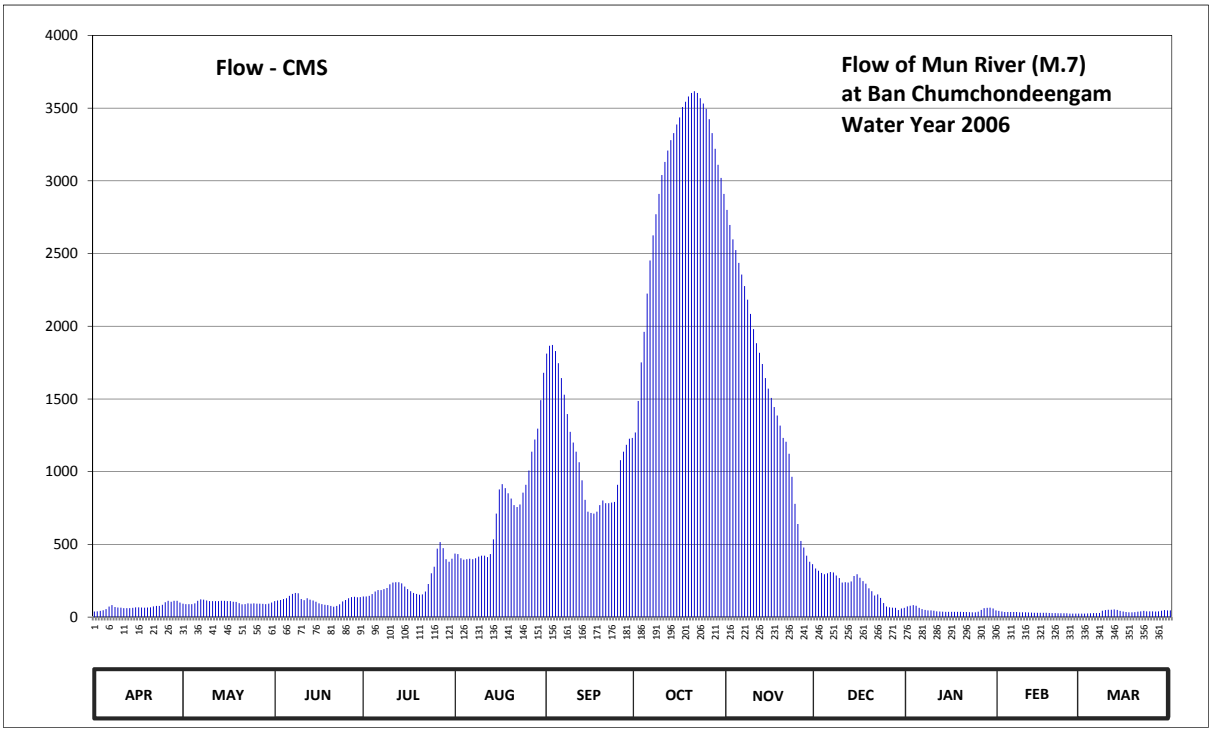
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 106.45 | 106.85 | 106.95 | 107.11 | 108.19 | 111.02 | 110.04 | 112.34 | 107.88 | 106.82 | 106.62 | 106.43 | |
| 2 | 106.46 | 106.83 | 106.97 | 107.11 | 108.18 | 111.11 | 110.45 | 112.23 | 107.83 | 106.84 | 106.58 | 106.43 | |
| 3 | 106.48 | 106.83 | 106.99 | 107.13 | 108.10 | 111.12 | 110.92 | 112.12 | 107.78 | 106.86 | 106.55 | 106.44 | |
| 4 | 106.52 | 106.83 | 107.02 | 107.19 | 108.07 | 111.05 | 111.27 | 112.03 | 107.75 | 106.84 | 106.55 | 106.45 | |
| 5 | 106.58 | 106.86 | 107.05 | 107.28 | 108.08 | 110.91 | 111.65 | 111.92 | 107.77 | 106.76 | 106.55 | 106.47 | |
| 6 | 106.71 | 106.96 | 107.13 | 107.33 | 108.09 | 110.74 | 111.94 | 111.82 | 107.80 | 106.71 | 106.55 | 106.47 | |
| 7 | 106.78 | 107.01 | 107.20 | 107.33 | 108.08 | 110.53 | 112.15 | 111.72 | 107.79 | 106.67 | 106.55 | 106.48 | |
| 8 | 106.69 | 107.00 | 107.23 | 107.36 | 108.10 | 110.28 | 112.31 | 111.59 | 107.72 | 106.65 | 106.53 | 106.63 | |
| 9 | 106.66 | 106.97 | 107.22 | 107.40 | 108.13 | 110.05 | 112.45 | 111.45 | 107.66 | 106.65 | 106.53 | 106.66 | |
| 10 | 106.65 | 106.95 | 107.02 | 107.50 | 108.15 | 109.91 | 112.58 | 111.30 | 107.55 | 106.63 | 106.53 | 106.68 | |
| 11 | 106.63 | 106.95 | 106.98 | 107.55 | 108.15 | 109.79 | 112.67 | 111.14 | 107.56 | 106.60 | 106.52 | 106.68 | |
| 12 | 106.63 | 106.95 | 107.05 | 107.56 | 108.12 | 109.64 | 112.74 | 111.03 | 107.55 | 106.58 | 106.51 | 106.70 | |
| 13 | 106.63 | 106.95 | 107.00 | 107.56 | 108.18 | 109.38 | 112.80 | 110.90 | 107.58 | 106.57 | 106.50 | 106.67 | |
| 14 | 106.64 | 106.96 | 106.97 | 107.53 | 108.45 | 109.08 | 112.84 | 110.74 | 107.71 | 106.56 | 106.50 | 106.62 | |
| 15 | 106.67 | 106.96 | 106.93 | 107.44 | 108.87 | 108.90 | 112.89 | 110.61 | 107.75 | 106.56 | 106.50 | 106.58 | |
| 16 | 106.67 | 106.95 | 106.86 | 107.36 | 109.24 | 108.88 | 112.93 | 110.49 | 107.67 | 106.56 | 106.50 | 106.55 | |
| 17 | 106.66 | 106.95 | 106.83 | 107.29 | 109.32 | 108.87 | 112.99 | 110.37 | 107.59 | 106.56 | 106.50 | 106.53 | |
| 18 | 106.65 | 106.93 | 106.80 | 107.23 | 109.26 | 108.90 | 113.02 | 110.26 | 107.52 | 106.56 | 106.48 | 106.53 | |
| 19 | 106.66 | 106.92 | 106.78 | 107.20 | 109.18 | 109.00 | 113.05 | 110.13 | 107.39 | 106.56 | 106.47 | 106.54 | |
| 20 | 106.67 | 106.87 | 106.74 | 107.17 | 109.10 | 109.07 | 113.07 | 109.97 | 107.29 | 106.55 | 106.47 | 106.57 | |
| 21 | 106.72 | 106.82 | 106.70 | 107.18 | 109.00 | 109.03 | 113.08 | 109.92 | 107.14 | 106.55 | 106.46 | 106.59 | |
| 22 | 106.74 | 106.83 | 106.74 | 107.28 | 108.97 | 109.03 | 113.07 | 109.76 | 107.18 | 106.54 | 106.46 | 106.62 | |
| 23 | 106.74 | 106.86 | 106.82 | 107.51 | 109.01 | 109.04 | 113.04 | 109.43 | 107.06 | 106.53 | 106.46 | 106.60 | |
| 24 | 106.80 | 106.85 | 106.94 | 107.77 | 109.19 | 109.05 | 113.01 | 109.02 | 106.88 | 106.53 | 106.45 | 106.60 | |
| 25 | 106.91 | 106.86 | 106.99 | 107.92 | 109.31 | 109.31 | 112.98 | 108.71 | 106.71 | 106.57 | 106.43 | 106.60 | |
| 26 | 106.96 | 106.85 | 107.05 | 108.28 | 109.52 | 109.67 | 112.92 | 108.42 | 106.67 | 106.67 | 106.43 | 106.58 | |
| 27 | 106.93 | 106.85 | 107.09 | 108.40 | 109.79 | 109.79 | 112.84 | 108.30 | 106.65 | 106.75 | 106.43 | 106.59 | |
| 28 | 106.96 | 106.84 | 107.10 | 108.29 | 109.95 | 109.88 | 112.75 | 108.15 | 106.64 | 106.76 | 106.43 | 106.63 | |
| 29 | 106.96 | 106.83 | 107.08 | 108.08 | 110.09 | 109.96 | 112.65 | 108.03 | 106.66 | 106.77 | | 106.66 | |
| 30 | 106.90 | 106.85 | 107.09 | 108.03 | 110.46 | 109.97 | 112.56 | 107.98 | 106.74 | 106.74 | | 106.65 | |
| 31 | | 106.90 | | 108.09 | 110.80 | | 112.45 | | 106.76 | 106.65 | | 106.65 | |
| Mean | 106.70 | 106.90 | 106.98 | 107.53 | 108.88 | 109.77 | 112.46 | 110.40 | 107.36 | 106.65 | 106.50 | 106.58 | |
| Max | 106.96 | 107.01 | 107.23 | 108.40 | 110.80 | 111.12 | 113.08 | 112.34 | 107.88 | 106.86 | 106.62 | 106.70 | 113.08 |
| Min | 106.45 | 106.82 | 106.70 | 107.11 | 108.07 | 108.87 | 110.04 | 107.98 | 106.64 | 106.53 | 106.43 | 106.43 | 106.43 |

Annual Max Momentary Gage Height 113.08 m. (MSL.) , at 06.00 Hours , on Oct 21, 2006

Zero Gage at Bottom Elevation 105.00 m. (MSL.) , River Bed 100.75 m. (MSL.)

Left Bank Elevation 119.72 m. (MSL.) ,

Right Bank Elevation 111.35 m. (MSL.) , Drainage Are 107,345 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38.50 | 92.50 | 110.00 | 142.00 | 436.50 | 1812.00 | 1269.20 | 2800.00 | 334.00 | 74.00 | 42.60 | 24.40 | | |
| 2 | 39.80 | 89.50 | 114.00 | 142.00 | 433.00 | 1866.00 | 1486.50 | 2697.00 | 319.00 | 78.00 | 38.00 | 24.40 | | |
| 3 | 42.40 | 89.50 | 118.00 | 146.00 | 405.00 | 1872.00 | 1752.00 | 2598.00 | 304.00 | 82.00 | 35.00 | 25.20 | | |
| 4 | 47.60 | 89.50 | 124.00 | 158.00 | 394.50 | 1830.00 | 1962.00 | 2524.00 | 295.00 | 78.00 | 35.00 | 26.00 | | |
| 5 | 55.40 | 94.00 | 130.00 | 176.00 | 398.00 | 1746.00 | 2225.00 | 2436.00 | 301.00 | 63.20 | 35.00 | 27.60 | | |
| 6 | 72.40 | 112.00 | 146.00 | 186.00 | 401.50 | 1644.00 | 2452.00 | 2356.00 | 310.00 | 54.70 | 35.00 | 27.60 | | |
| 7 | 82.20 | 122.00 | 160.00 | 186.00 | 398.00 | 1528.90 | 2625.00 | 2276.00 | 307.00 | 49.10 | 35.00 | 28.40 | | |
| 8 | 69.70 | 120.00 | 166.00 | 192.00 | 405.00 | 1396.40 | 2770.00 | 2183.00 | 286.00 | 46.50 | 33.00 | 43.90 | | |
| 9 | 65.80 | 114.00 | 164.00 | 200.00 | 415.50 | 1274.50 | 2910.00 | 2085.00 | 268.00 | 46.50 | 33.00 | 47.80 | | |
| 10 | 64.50 | 110.00 | 124.00 | 225.00 | 422.50 | 1200.30 | 3040.00 | 1980.00 | 237.50 | 43.90 | 33.00 | 50.40 | | |
| 11 | 61.90 | 110.00 | 116.00 | 237.50 | 422.50 | 1137.20 | 3130.00 | 1884.00 | 240.00 | 40.00 | 32.00 | 50.40 | | |
| 12 | 61.90 | 110.00 | 130.00 | 240.00 | 412.00 | 1065.20 | 3208.00 | 1818.00 | 237.50 | 38.00 | 31.00 | 53.00 | | |
| 13 | 61.90 | 110.00 | 120.00 | 240.00 | 433.00 | 941.00 | 3280.00 | 1740.00 | 245.00 | 37.00 | 30.00 | 49.10 | | |
| 14 | 63.20 | 112.00 | 114.00 | 232.50 | 535.00 | 806.00 | 3328.00 | 1644.00 | 283.00 | 36.00 | 30.00 | 42.60 | | |
| 15 | 67.10 | 112.00 | 106.00 | 210.00 | 711.50 | 725.00 | 3388.00 | 1571.40 | 295.00 | 36.00 | 30.00 | 38.00 | | |
| 16 | 67.10 | 110.00 | 94.00 | 192.00 | 878.00 | 716.00 | 3436.00 | 1507.70 | 271.00 | 36.00 | 30.00 | 35.00 | | |
| 17 | 65.80 | 110.00 | 89.50 | 178.00 | 914.00 | 711.50 | 3508.00 | 1444.10 | 247.50 | 36.00 | 30.00 | 33.00 | | |
| 18 | 64.50 | 106.00 | 85.00 | 166.00 | 887.00 | 725.00 | 3544.00 | 1385.80 | 230.00 | 36.00 | 28.40 | 33.00 | | |
| 19 | 65.80 | 104.00 | 82.20 | 160.00 | 851.00 | 770.00 | 3580.00 | 1316.90 | 198.00 | 36.00 | 27.60 | 34.00 | | |
| 20 | 67.10 | 95.50 | 76.60 | 154.00 | 815.00 | 801.50 | 3604.00 | 1232.10 | 178.00 | 35.00 | 27.60 | 37.00 | | |
| 21 | 73.80 | 88.00 | 71.00 | 156.00 | 770.00 | 783.50 | 3616.00 | 1205.60 | 148.00 | 35.00 | 26.80 | 39.00 | | |
| 22 | 76.60 | 89.50 | 76.60 | 176.00 | 756.50 | 783.50 | 3604.00 | 1122.80 | 156.00 | 34.00 | 26.80 | 42.60 | | |
| 23 | 76.60 | 94.00 | 88.00 | 227.50 | 774.50 | 788.00 | 3568.00 | 964.40 | 132.00 | 33.00 | 26.80 | 40.00 | | |
| 24 | 85.00 | 92.50 | 108.00 | 301.00 | 855.50 | 792.50 | 3532.00 | 779.00 | 97.00 | 33.00 | 26.00 | 40.00 | | |
| 25 | 102.00 | 94.00 | 118.00 | 346.00 | 909.50 | 909.50 | 3496.00 | 640.40 | 72.40 | 37.00 | 24.40 | 40.00 | | |
| 26 | 112.00 | 92.50 | 130.00 | 470.40 | 1007.60 | 1079.60 | 3424.00 | 523.60 | 67.10 | 49.10 | 24.40 | 38.00 | | |
| 27 | 106.00 | 92.50 | 138.00 | 516.00 | 1137.20 | 1137.20 | 3328.00 | 478.00 | 64.50 | 61.50 | 24.40 | 39.00 | | |
| 28 | 112.00 | 91.00 | 140.00 | 474.20 | 1221.50 | 1184.40 | 3220.00 | 422.50 | 63.20 | 63.20 | 24.40 | 43.90 | | |
| 29 | 112.00 | 89.50 | 136.00 | 398.00 | 1295.70 | 1226.80 | 3110.00 | 380.50 | 47.80 | 64.90 | | 47.80 | | |
| 30 | 100.00 | 92.50 | 138.00 | 380.50 | 1491.80 | 1232.10 | 3020.00 | 364.00 | 59.80 | 59.80 | | 46.50 | | |
| 31 | | 100.00 | | 401.50 | 1680.00 | | 2910.00 | | 63.20 | 46.50 | | 46.50 | | |
| Total | 2180.60 | 3128.50 | 3512.90 | 7610.10 | 22868.30 | 34485.60 | 93325.70 | 46359.80 | 6357.50 | 1498.90 | 855.20 | 1194.10 | 223377.20 | CMSDAY |
| Mean | 72.69 | 100.92 | 117.10 | 245.49 | 737.69 | 1149.52 | 3010.51 | 1545.33 | 205.08 | 48.35 | 30.54 | 38.52 | 611.99 | CMS |
| Max | 112.00 | 122.00 | 166.00 | 516.00 | 1680.00 | 1872.00 | 3616.00 | 2800.00 | 334.00 | 82.00 | 42.60 | 53.00 | 3616.00 | CMS |
| Min | 38.50 | 88.00 | 71.00 | 142.00 | 394.50 | 711.50 | 1269.20 | 364.00 | 47.80 | 33.00 | 24.40 | 24.40 | 24.40 | CMS |
| Runoff | 188.40 | 270.30 | 303.51 | 657.51 | 1975.82 | 2979.56 | 8063.34 | 4005.49 | 549.29 | 129.50 | 73.89 | 103.17 | 19299.79 | MCM |

Momentary Peak 3616.00 CMS. at 113.08 m. (MSL.) at 06.00 Hours , on Oct 21, 2006

Runoff Yield 5.70 Liters/Second/Square KM. Momentary Peak Yield 33.69 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Plai Mat at Lam Plai Mat, Buri Ram (M.8)

Lat 15 - 01 - 05 N Long 102 - 48 - 54 E

**Location : on left bank about 60 meters upstream from the railway bridge.**

**Ban** Nong Sang **Amphoe** Lam Plai Mat **Changwat** Buri Ram

| | |
|---|---|
| **Drainge Area** | 4,935 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +149.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the automatic gage building. **Elevation** +155.859 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1951 to date |
| **Rating Operation** | |
| **Period of Rating** | 1967, 1998 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1967, 1998 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +155.910 m.(MSL), records are channel flow only. |
| **General Description** | Records very good. Ban Don Thamung weir situated about 500 meters downstream from the gage site. Stage-discharge relation defined by 30 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

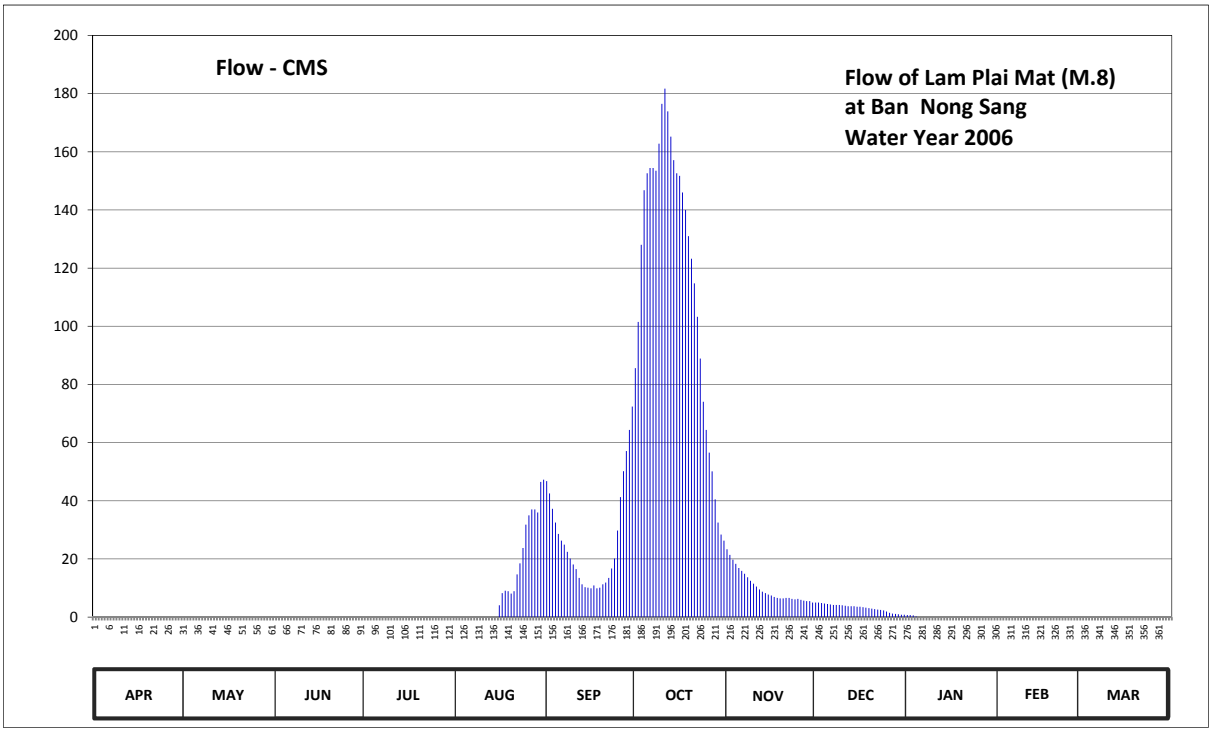
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 150.25 | 150.18 | 150.44 | 150.18 | 150.87 | 153.67 | 155.42 | 152.70 | 151.75 | 151.46 | 150.95 | 150.55 | |
| 2 | 150.24 | 150.16 | 150.44 | 150.16 | 150.97 | 153.50 | 155.90 | 152.61 | 151.75 | 151.46 | 150.94 | 150.54 | |
| 3 | 150.23 | 150.14 | 150.43 | 150.15 | 150.92 | 153.29 | 156.50 | 152.53 | 151.74 | 151.45 | 150.92 | 150.54 | |
| 4 | 150.22 | 150.14 | 150.43 | 150.15 | 150.96 | 153.10 | 156.77 | 152.46 | 151.73 | 151.42 | 150.91 | 150.53 | |
| 5 | 150.22 | 150.12 | 150.39 | 150.18 | 151.02 | 152.93 | 156.84 | 152.39 | 151.72 | 151.40 | 150.89 | 150.53 | |
| 6 | 150.22 | 150.09 | 150.39 | 150.24 | 151.06 | 152.83 | 156.86 | 152.34 | 151.71 | 151.37 | 150.87 | 150.52 | |
| 7 | 150.21 | 150.07 | 150.38 | 150.19 | 151.06 | 152.77 | 156.86 | 152.29 | 151.70 | 151.35 | 150.84 | 150.46 | |
| 8 | 150.21 | 150.10 | 150.27 | 150.15 | 151.05 | 152.66 | 156.85 | 152.23 | 151.70 | 151.33 | 150.82 | 150.41 | |
| 9 | 150.20 | 150.11 | 150.26 | 150.12 | 151.04 | 152.55 | 156.94 | 152.17 | 151.70 | 151.31 | 150.81 | 150.41 | |
| 10 | 150.18 | 150.12 | 150.22 | 150.11 | 151.02 | 152.45 | 157.05 | 152.12 | 151.69 | 151.31 | 150.80 | 150.41 | |
| 11 | 150.18 | 150.11 | 150.22 | 150.11 | 150.99 | 152.37 | 157.09 | 152.07 | 151.68 | 151.31 | 150.79 | 150.40 | |
| 12 | 150.17 | 150.11 | 150.19 | 150.15 | 150.94 | 152.22 | 157.03 | 152.02 | 151.67 | 151.29 | 150.77 | 150.40 | |
| 13 | 150.16 | 150.10 | 150.17 | 150.14 | 150.91 | 152.11 | 156.96 | 151.98 | 151.67 | 151.29 | 150.74 | 150.40 | |
| 14 | 150.15 | 150.10 | 150.17 | 150.11 | 150.88 | 152.06 | 156.89 | 151.95 | 151.67 | 151.28 | 150.72 | 150.34 | |
| 15 | 150.14 | 150.10 | 150.16 | 150.10 | 151.00 | 152.05 | 156.84 | 151.92 | 151.66 | 151.28 | 150.71 | 150.32 | |
| 16 | 150.16 | 150.10 | 150.15 | 150.10 | 151.69 | 152.04 | 156.83 | 151.90 | 151.66 | 151.26 | 150.70 | 150.28 | |
| 17 | 150.17 | 150.10 | 150.16 | 150.16 | 151.95 | 152.09 | 156.76 | 151.87 | 151.65 | 151.24 | 150.70 | 150.26 | |
| 18 | 150.15 | 150.10 | 150.18 | 150.22 | 152.00 | 152.04 | 156.68 | 151.85 | 151.64 | 151.22 | 150.68 | 150.24 | |
| 19 | 150.15 | 150.10 | 150.21 | 150.20 | 151.99 | 152.05 | 156.55 | 151.84 | 151.63 | 151.20 | 150.66 | 150.21 | |
| 20 | 150.12 | 150.18 | 150.24 | 150.19 | 151.94 | 152.11 | 156.42 | 151.84 | 151.62 | 151.19 | 150.65 | 150.19 | |
| 21 | 150.09 | 150.30 | 150.24 | 150.22 | 151.99 | 152.14 | 156.25 | 151.85 | 151.61 | 151.17 | 150.63 | 150.17 | |
| 22 | 150.09 | 150.33 | 150.24 | 150.28 | 152.28 | 152.22 | 155.95 | 151.85 | 151.60 | 151.16 | 150.60 | 150.15 | |
| 23 | 150.08 | 150.33 | 150.23 | 150.20 | 152.47 | 152.38 | 155.53 | 151.83 | 151.59 | 151.13 | 150.61 | 150.13 | |
| 24 | 150.07 | 150.33 | 150.29 | 150.11 | 152.72 | 152.55 | 155.03 | 151.82 | 151.58 | 151.11 | 150.61 | 150.10 | |
| 25 | 150.07 | 150.38 | 150.29 | 150.14 | 153.07 | 152.98 | 154.65 | 151.83 | 151.55 | 151.09 | 150.60 | 150.12 | |
| 26 | 150.08 | 150.42 | 150.28 | 150.21 | 153.20 | 153.45 | 154.28 | 151.81 | 151.52 | 151.08 | 150.60 | 150.11 | |
| 27 | 150.12 | 150.42 | 150.30 | 150.19 | 153.28 | 153.83 | 153.82 | 151.79 | 151.50 | 151.06 | 150.60 | 150.09 | |
| 28 | 150.13 | 150.41 | 150.35 | 150.13 | 153.28 | 154.31 | 153.42 | 151.78 | 151.49 | 151.04 | 150.57 | 150.08 | |
| 29 | 150.13 | 150.41 | 150.27 | 150.11 | 153.24 | 154.65 | 153.10 | 151.78 | 151.48 | 151.03 | | 150.07 | |
| 30 | 150.14 | 150.39 | 150.24 | 150.10 | 153.66 | 154.97 | 152.92 | 151.75 | 151.47 | 151.01 | | 150.06 | |
| 31 | | 150.44 | | 150.09 | 153.69 | | 152.83 | | 151.47 | 150.98 | | 150.06 | |
| Mean | 150.16 | 150.21 | 150.27 | 150.16 | 151.84 | 152.81 | 155.87 | 152.04 | 151.63 | 151.23 | 150.74 | 150.29 | |
| Max | 150.25 | 150.44 | 150.44 | 150.28 | 153.69 | 154.97 | 157.09 | 152.70 | 151.75 | 151.46 | 150.95 | 150.55 | 157.09 |
| Min | 150.07 | 150.07 | 150.15 | 150.09 | 150.87 | 152.04 | 152.83 | 151.75 | 151.47 | 150.98 | 150.57 | 150.06 | 150.06 |

Annual Max Momentary Gage Height 157.10 m. (MSL.) , at 10.00 Hours , on Oct 11, 2006

Zero Gage at Bottom Elevation 149.50 m. (MSL.) , River Bed 149.51 m. (MSL.)

Left Bank Elevation 155.90 m. (MSL.) ,

Right Bank Elevation 156.69 m. (MSL.) , Drainage Are 4,935 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.75 | 85.60 | 23.30 | 5.00 | 0.72 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.50 | 101.50 | 21.41 | 5.00 | 0.72 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.25 | 128.00 | 19.73 | 4.84 | 0.60 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.50 | 146.75 | 18.30 | 4.68 | 0.24 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.59 | 152.60 | 16.90 | 4.52 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.29 | 154.40 | 15.90 | 4.36 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.91 | 154.40 | 14.90 | 4.20 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.46 | 153.50 | 13.70 | 4.20 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.15 | 162.80 | 12.50 | 4.20 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.10 | 176.50 | 11.50 | 4.04 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.50 | 181.70 | 10.50 | 3.88 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.50 | 173.90 | 9.50 | 3.72 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.30 | 165.20 | 8.76 | 3.72 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.30 | 157.10 | 8.25 | 3.72 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.10 | 152.60 | 7.74 | 3.56 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 4.04 | 9.90 | 151.70 | 7.40 | 3.56 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 8.25 | 10.90 | 146.00 | 6.92 | 3.40 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 9.10 | 9.90 | 140.00 | 6.60 | 3.24 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 8.93 | 10.10 | 131.00 | 6.44 | 3.08 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 8.08 | 11.30 | 123.20 | 6.44 | 2.92 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 8.93 | 11.90 | 114.75 | 6.60 | 2.76 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 14.70 | 13.50 | 103.25 | 6.60 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 18.50 | 16.70 | 88.90 | 6.28 | 2.46 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 23.76 | 20.15 | 74.04 | 6.12 | 2.32 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 31.81 | 29.74 | 64.35 | 6.28 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 35.00 | 41.25 | 56.54 | 5.96 | 1.48 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 37.00 | 50.15 | 50.10 | 5.64 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 37.00 | 57.11 | 40.50 | 5.48 | 1.08 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 36.00 | 64.35 | 32.50 | 5.48 | 0.96 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 46.50 | 72.39 | 28.36 | 5.00 | 0.84 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 47.25 | | 26.29 | | 0.84 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 374.85 | 790.54 | 3618.03 | 306.13 | 98.28 | 2.28 | 0.00 | 0.00 | 5190.11 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.00 | 0.00 | 12.09 | 26.35 | 116.71 | 10.20 | 3.17 | 0.07 | 0.00 | 0.00 | 14.22 | CMS |
| Max | 0.00 | 0.00 | 0.00 | 0.00 | 47.25 | 72.39 | 181.70 | 23.30 | 5.00 | 0.72 | 0.00 | 0.00 | 181.70 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.90 | 26.29 | 5.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.00 | 0.00 | 32.39 | 68.30 | 312.60 | 26.45 | 8.49 | 0.20 | 0.00 | 0.00 | 448.43 | MCM |

Momentary Peak 183.00 CMS. at 157.10 m. (MSL.) at 10.00 Hours , on Oct 11, 2006

Runoff Yield 2.88 Liters/Second/Square KM. Momentary Peak Yield 37.08 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Samran at Ban Nongyaplong, Si Sa ket (M.9)

Lat 15 - 06 - 58 N Long 104 - 19 - 21 E

**Location : on right bank at the bridge on Highway.**

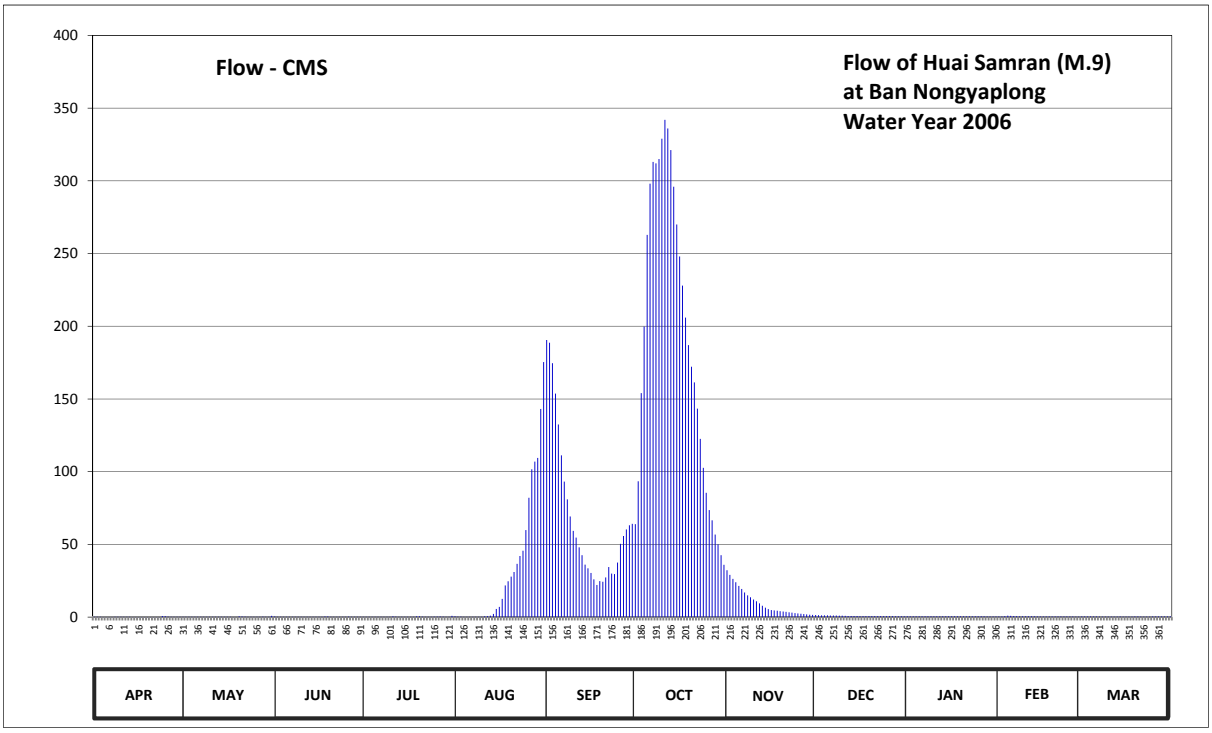
**Ban** Nongyaplong **Amphoe** Mueang **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 2,988 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +109.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the top staff gage. **Elevation** +122.055 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1954, 1972 - 1981, 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1954, 1972 - 1981, 1987 to date |
| **Stability of Channel Regimes** | Stable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +119.220 m.(MSL), records are channel flow only. |
| **General Description** | Records very good. The Water Supply weir situated above gage site.<br>Stage-discharge relation defined by 72 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 108.97 | 108.97 | 109.13 | 109.00 | 109.19 | 118.23 | 114.12 | 116.80 | 110.23 | 109.38 | 109.25 | 109.19 | |
| 2 | 108.96 | 108.97 | 109.03 | 109.00 | 109.07 | 118.19 | 115.32 | 116.64 | 110.14 | 109.38 | 109.25 | 109.19 | |
| 3 | 108.96 | 108.97 | 109.00 | 109.00 | 109.05 | 117.88 | 117.36 | 116.49 | 110.05 | 109.38 | 109.45 | 109.18 | |
| 4 | 108.95 | 108.97 | 109.00 | 109.03 | 109.03 | 117.35 | 118.43 | 116.34 | 109.98 | 109.37 | 109.74 | 109.18 | |
| 5 | 108.95 | 108.97 | 108.98 | 109.00 | 109.00 | 116.68 | 119.58 | 116.14 | 109.96 | 109.37 | 109.66 | 109.18 | |
| 6 | 108.95 | 108.97 | 108.99 | 109.00 | 109.00 | 115.95 | 120.08 | 115.96 | 109.94 | 109.37 | 109.52 | 109.18 | |
| 7 | 108.95 | 108.97 | 108.99 | 109.00 | 109.00 | 115.31 | 120.23 | 115.75 | 109.93 | 109.37 | 109.43 | 109.16 | |
| 8 | 108.96 | 108.97 | 108.99 | 109.00 | 109.00 | 114.83 | 120.22 | 115.53 | 109.89 | 109.37 | 109.37 | 109.15 | |
| 9 | 108.96 | 108.97 | 108.98 | 109.00 | 109.03 | 114.34 | 120.25 | 115.30 | 109.83 | 109.36 | 109.33 | 109.15 | |
| 10 | 108.96 | 108.97 | 108.98 | 109.00 | 109.02 | 113.93 | 120.39 | 115.05 | 109.74 | 109.34 | 109.30 | 109.15 | |
| 11 | 108.96 | 108.97 | 108.98 | 109.15 | 109.15 | 113.72 | 120.48 | 114.85 | 109.66 | 109.34 | 109.30 | 109.15 | |
| 12 | 108.96 | 108.96 | 108.97 | 109.05 | 109.24 | 113.40 | 120.44 | 114.60 | 109.59 | 109.32 | 109.29 | 109.15 | |
| 13 | 108.96 | 108.96 | 108.97 | 109.02 | 109.39 | 113.12 | 120.31 | 114.34 | 109.56 | 109.32 | 109.29 | 109.15 | |
| 14 | 108.95 | 108.96 | 108.96 | 109.00 | 110.02 | 112.76 | 120.10 | 114.12 | 109.54 | 109.32 | 109.28 | 109.18 | |
| 15 | 108.95 | 108.96 | 108.96 | 109.00 | 110.67 | 112.62 | 119.87 | 113.88 | 109.52 | 109.32 | 109.26 | 109.17 | |
| 16 | 108.95 | 108.96 | 108.96 | 109.00 | 110.87 | 112.44 | 119.65 | 113.64 | 109.49 | 109.32 | 109.25 | 109.16 | |
| 17 | 108.94 | 108.96 | 108.96 | 109.00 | 111.30 | 112.20 | 119.45 | 113.39 | 109.46 | 109.32 | 109.24 | 109.16 | |
| 18 | 108.94 | 108.95 | 109.11 | 109.00 | 111.92 | 111.94 | 119.23 | 113.15 | 109.43 | 109.32 | 109.23 | 109.16 | |
| 19 | 108.94 | 108.95 | 109.11 | 109.18 | 112.11 | 112.12 | 119.04 | 112.91 | 109.42 | 109.31 | 109.22 | 109.18 | |
| 20 | 108.94 | 109.17 | 109.01 | 109.15 | 112.30 | 112.09 | 118.88 | 112.64 | 109.42 | 109.31 | 109.22 | 109.18 | |
| 21 | 108.94 | 109.12 | 109.00 | 109.04 | 112.48 | 112.27 | 118.76 | 112.40 | 109.41 | 109.31 | 109.22 | 109.17 | |
| 22 | 108.95 | 109.04 | 109.01 | 109.03 | 112.79 | 112.67 | 118.56 | 112.14 | 109.40 | 109.30 | 109.22 | 109.16 | |
| 23 | 108.95 | 109.02 | 109.00 | 109.02 | 113.09 | 112.42 | 118.32 | 111.82 | 109.40 | 109.30 | 109.20 | 109.15 | |
| 24 | 109.29 | 109.02 | 109.00 | 109.01 | 113.28 | 112.40 | 118.07 | 111.52 | 109.40 | 109.30 | 109.20 | 109.14 | |
| 25 | 109.24 | 109.00 | 109.00 | 109.08 | 113.95 | 112.84 | 117.85 | 111.30 | 109.40 | 109.30 | 109.20 | 109.18 | |
| 26 | 109.08 | 109.00 | 109.06 | 109.07 | 114.88 | 113.52 | 117.68 | 111.09 | 109.40 | 109.29 | 109.19 | 109.19 | |
| 27 | 109.03 | 109.00 | 109.02 | 109.11 | 115.62 | 113.77 | 117.58 | 110.85 | 109.40 | 109.29 | 109.17 | 109.19 | |
| 28 | 109.01 | 109.05 | 109.00 | 109.08 | 115.80 | 113.97 | 117.43 | 110.62 | 109.39 | 109.28 | 109.17 | 109.19 | |
| 29 | 108.99 | 109.00 | 109.00 | 109.03 | 115.89 | 114.09 | 117.30 | 110.42 | 109.39 | 109.28 | | 109.20 | |
| 30 | 108.97 | 109.00 | 109.00 | 109.01 | 117.05 | 114.13 | 117.14 | 110.30 | 109.39 | 109.27 | | 109.19 | |
| 31 | | 109.35 | | 109.36 | 117.90 | | 116.95 | | 109.39 | 109.26 | | 109.19 | |
| Mean | 108.98 | 109.00 | 109.01 | 109.05 | 111.62 | 114.04 | 118.68 | 113.67 | 109.62 | 109.32 | 109.30 | 109.17 | |
| Max | 109.29 | 109.35 | 109.13 | 109.36 | 117.90 | 118.23 | 120.48 | 116.80 | 110.23 | 109.38 | 109.74 | 109.20 | 120.48 |
| Min | 108.94 | 108.95 | 108.96 | 109.00 | 109.00 | 111.94 | 114.12 | 110.30 | 109.39 | 109.26 | 109.17 | 109.14 | 108.94 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 120.50 | m. (MSL.) , | at 24.00 Hours , on Oct 11, 2006 | | | |
| Zero Gage at Bottom Elevation | 109.00 | m. (MSL.) , | River Bed | 108.86 | m. (MSL.) | |
| Left Bank Elevation | 119.21 | m. (MSL.) , | | | | |
| Right Bank Elevation | 119.63 | m. (MSL.) , | Drainage Are | 2,988 | Square Kilometers | |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.17 | 0.17 | 0.46 | 0.20 | 0.58 | 190.58 | 63.88 | 32.20 | 1.43 | 0.58 | 0.45 | 0.39 | | |
| 2 | 0.16 | 0.17 | 0.26 | 0.20 | 0.34 | 188.74 | 93.44 | 29.00 | 1.34 | 0.58 | 0.45 | 0.39 | | |
| 3 | 0.16 | 0.17 | 0.20 | 0.20 | 0.30 | 174.56 | 154.08 | 26.24 | 1.25 | 0.58 | 0.65 | 0.38 | | |
| 4 | 0.15 | 0.17 | 0.20 | 0.26 | 0.26 | 153.70 | 199.78 | 23.96 | 1.18 | 0.57 | 0.94 | 0.38 | | |
| 5 | 0.15 | 0.17 | 0.18 | 0.20 | 0.20 | 132.42 | 262.80 | 21.48 | 1.16 | 0.57 | 0.86 | 0.38 | | |
| 6 | 0.15 | 0.17 | 0.19 | 0.20 | 0.20 | 111.25 | 298.00 | 19.32 | 1.14 | 0.57 | 0.72 | 0.38 | | |
| 7 | 0.15 | 0.17 | 0.19 | 0.20 | 0.20 | 93.17 | 313.00 | 16.90 | 1.13 | 0.57 | 0.63 | 0.36 | | |
| 8 | 0.16 | 0.17 | 0.19 | 0.20 | 0.20 | 80.92 | 312.00 | 14.98 | 1.09 | 0.57 | 0.57 | 0.35 | | |
| 9 | 0.16 | 0.17 | 0.18 | 0.20 | 0.26 | 69.16 | 315.00 | 13.60 | 1.03 | 0.56 | 0.53 | 0.35 | | |
| 10 | 0.16 | 0.17 | 0.18 | 0.20 | 0.24 | 59.32 | 329.00 | 12.10 | 0.94 | 0.54 | 0.50 | 0.35 | | |
| 11 | 0.16 | 0.17 | 0.18 | 0.50 | 0.50 | 54.64 | 342.00 | 10.90 | 0.86 | 0.54 | 0.50 | 0.35 | | |
| 12 | 0.16 | 0.16 | 0.17 | 0.30 | 0.68 | 48.00 | 336.00 | 9.40 | 0.79 | 0.52 | 0.49 | 0.35 | | |
| 13 | 0.16 | 0.16 | 0.17 | 0.24 | 0.98 | 42.56 | 321.20 | 7.84 | 0.76 | 0.52 | 0.49 | 0.35 | | |
| 14 | 0.15 | 0.16 | 0.16 | 0.20 | 2.24 | 36.08 | 296.00 | 6.52 | 0.74 | 0.52 | 0.48 | 0.38 | | |
| 15 | 0.15 | 0.16 | 0.16 | 0.20 | 5.62 | 33.56 | 270.00 | 5.52 | 0.72 | 0.52 | 0.46 | 0.37 | | |
| 16 | 0.15 | 0.16 | 0.16 | 0.20 | 7.06 | 30.32 | 248.00 | 4.88 | 0.69 | 0.52 | 0.45 | 0.36 | | |
| 17 | 0.14 | 0.16 | 0.16 | 0.20 | 12.50 | 26.00 | 228.00 | 4.59 | 0.66 | 0.52 | 0.44 | 0.36 | | |
| 18 | 0.14 | 0.15 | 0.42 | 0.20 | 21.80 | 22.10 | 206.00 | 4.35 | 0.63 | 0.52 | 0.43 | 0.36 | | |
| 19 | 0.14 | 0.15 | 0.42 | 0.56 | 24.65 | 24.80 | 187.00 | 4.11 | 0.62 | 0.51 | 0.42 | 0.38 | | |
| 20 | 0.14 | 0.54 | 0.22 | 0.50 | 27.80 | 24.35 | 172.20 | 3.84 | 0.62 | 0.51 | 0.42 | 0.38 | | |
| 21 | 0.14 | 0.44 | 0.20 | 0.28 | 31.04 | 27.26 | 161.40 | 3.60 | 0.61 | 0.51 | 0.42 | 0.37 | | |
| 22 | 0.15 | 0.28 | 0.22 | 0.26 | 36.62 | 34.46 | 143.40 | 3.34 | 0.60 | 0.50 | 0.42 | 0.36 | | |
| 23 | 0.15 | 0.24 | 0.20 | 0.24 | 42.02 | 29.96 | 122.60 | 3.02 | 0.60 | 0.50 | 0.40 | 0.35 | | |
| 24 | 0.78 | 0.24 | 0.20 | 0.22 | 45.60 | 29.60 | 102.60 | 2.72 | 0.60 | 0.50 | 0.40 | 0.34 | | |
| 25 | 0.68 | 0.20 | 0.20 | 0.36 | 59.80 | 37.52 | 85.50 | 2.50 | 0.60 | 0.50 | 0.40 | 0.38 | | |
| 26 | 0.36 | 0.20 | 0.32 | 0.34 | 82.12 | 50.40 | 73.60 | 2.29 | 0.60 | 0.49 | 0.39 | 0.39 | | |
| 27 | 0.26 | 0.20 | 0.24 | 0.42 | 101.68 | 55.74 | 66.60 | 2.05 | 0.60 | 0.49 | 0.37 | 0.39 | | |
| 28 | 0.22 | 0.30 | 0.20 | 0.36 | 106.90 | 60.28 | 56.80 | 1.82 | 0.59 | 0.48 | 0.37 | 0.39 | | |
| 29 | 0.19 | 0.20 | 0.20 | 0.26 | 109.51 | 63.16 | 50.00 | 1.62 | 0.59 | 0.48 | | 0.40 | | |
| 30 | 0.17 | 0.20 | 0.20 | 0.22 | 143.15 | 64.12 | 42.60 | 1.50 | 0.59 | 0.47 | | 0.39 | | |
| 31 | | 0.90 | | 0.92 | 175.40 | | 36.00 | | 0.59 | 0.46 | | 0.39 | | |
| Total | 6.16 | 7.07 | 6.63 | 9.04 | 1040.45 | 2048.73 | 5888.48 | 296.19 | 25.35 | 16.27 | 14.05 | 11.50 | 9369.92 | CMSDAY |
| Mean | 0.21 | 0.23 | 0.22 | 0.29 | 33.56 | 68.29 | 189.95 | 9.87 | 0.82 | 0.52 | 0.50 | 0.37 | 25.67 | CMS |
| Max | 0.78 | 0.90 | 0.46 | 0.92 | 175.40 | 190.58 | 342.00 | 32.20 | 1.43 | 0.58 | 0.94 | 0.40 | 342.00 | CMS |
| Min | 0.14 | 0.15 | 0.16 | 0.20 | 0.20 | 22.10 | 36.00 | 1.50 | 0.59 | 0.46 | 0.37 | 0.34 | 0.14 | CMS |
| Runoff | 0.53 | 0.61 | 0.57 | 0.78 | 89.89 | 177.01 | 508.76 | 25.59 | 2.19 | 1.41 | 1.21 | 0.99 | 809.56 | MCM |

Momentary Peak 345.00 CMS. at 120.50 m. (MSL.) at 24.00 Hours , on Oct 11, 2006

Runoff Yield 8.59 Liters/Second/Square KM. Momentary Peak Yield 115.46 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Chi at Ban Kho Kho, Surin (M.26)

Lat 14 - 54 - 08 N Long 103 - 24 - 12 E

**Location : on left bank at railway bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Kho Kho | **Amphoe** Mueang | **Changwat** Surin |
| **Drainge Area** | 3,058 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +127.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the automatic gage building. | | **Elevation** +135.010 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1954 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1967 - 1968, 1978 to date. | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1967 - 1968, 1978 to date. | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +134.450 m.(MSL.), records are channel flow only. | | |
| **General Description** | Records very good. Flow effected by Mueang ling weir about 500 meters downstream from the gage site. Stage-discharge relation defined by 78 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

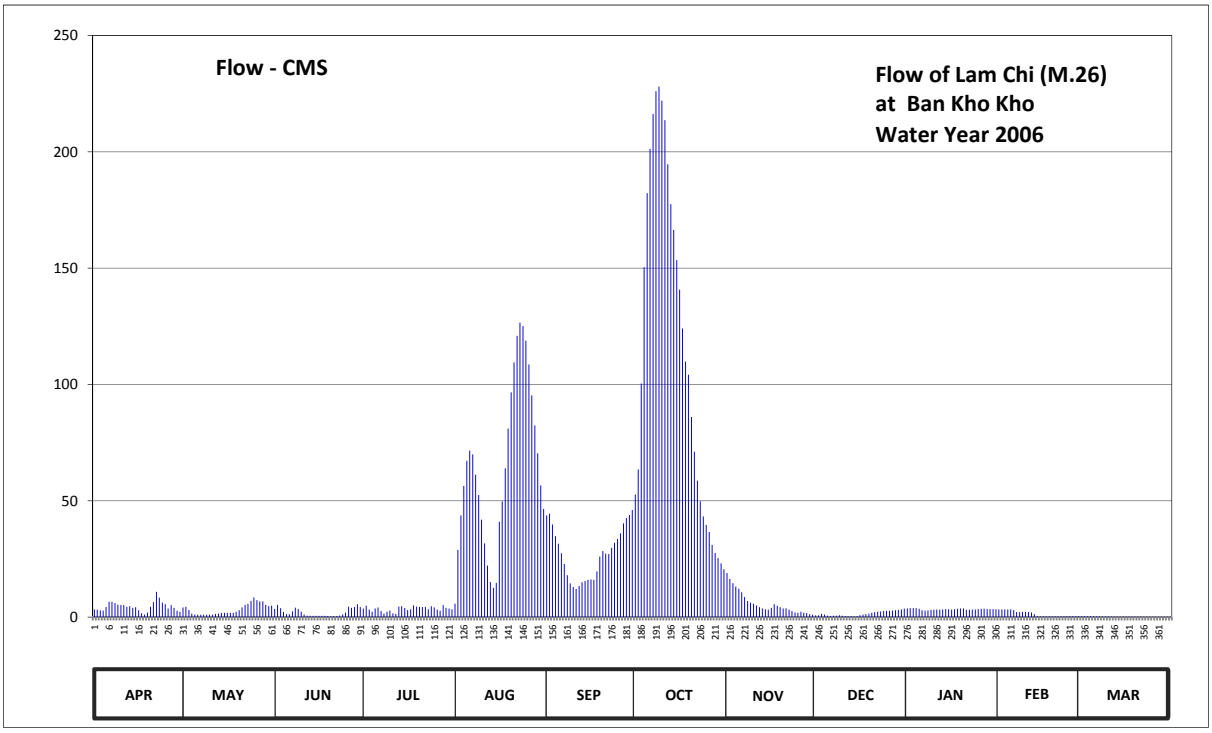
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 128.22 | 128.35 | 128.25 | 128.27 | 128.63 | 131.14 | 131.53 | 129.76 | 127.74 | 128.29 | 128.22 | 127.66 | |
| 2 | 128.21 | 128.41 | 128.54 | 128.49 | 130.38 | 131.17 | 132.00 | 129.60 | 127.73 | 128.31 | 128.22 | 127.66 | |
| 3 | 128.15 | 128.17 | 128.31 | 128.20 | 131.14 | 130.97 | 133.53 | 129.45 | 127.90 | 128.31 | 128.22 | 127.66 | |
| 4 | 128.14 | 127.92 | 128.03 | 128.06 | 131.69 | 130.71 | 135.06 | 129.33 | 127.83 | 128.31 | 128.22 | 127.66 | |
| 5 | 128.39 | 127.82 | 127.86 | 128.28 | 132.16 | 130.53 | 135.72 | 129.25 | 127.71 | 128.26 | 128.22 | 127.64 | |
| 6 | 128.77 | 127.81 | 127.85 | 128.35 | 132.35 | 130.29 | 135.99 | 129.12 | 127.67 | 128.16 | 128.17 | 127.64 | |
| 7 | 128.77 | 127.80 | 128.08 | 128.10 | 132.28 | 130.00 | 136.17 | 128.95 | 127.70 | 128.14 | 128.03 | 127.64 | |
| 8 | 128.67 | 127.80 | 128.34 | 127.92 | 131.90 | 129.70 | 136.27 | 128.81 | 127.71 | 128.15 | 128.02 | 127.62 | |
| 9 | 128.56 | 127.80 | 128.25 | 128.05 | 131.52 | 129.44 | 136.29 | 128.70 | 127.76 | 128.18 | 128.04 | 127.62 | |
| 10 | 128.54 | 127.80 | 128.05 | 128.13 | 131.06 | 129.31 | 136.23 | 128.62 | 127.70 | 128.19 | 128.04 | 127.62 | |
| 11 | 128.52 | 127.83 | 127.83 | 127.94 | 130.54 | 129.24 | 136.14 | 128.50 | 127.67 | 128.20 | 128.03 | 127.62 | |
| 12 | 128.41 | 127.89 | 127.70 | 127.90 | 129.96 | 129.35 | 136.03 | 128.38 | 127.66 | 128.21 | 128.00 | 127.60 | |
| 13 | 128.44 | 127.92 | 127.70 | 128.42 | 129.49 | 129.48 | 135.93 | 128.28 | 127.66 | 128.22 | 127.86 | 127.60 | |
| 14 | 128.33 | 127.96 | 127.69 | 128.45 | 129.28 | 129.53 | 135.84 | 128.23 | 127.64 | 128.24 | 127.65 | 127.60 | |
| 15 | 128.38 | 127.98 | 127.68 | 128.32 | 129.46 | 129.57 | 135.69 | 128.19 | 127.66 | 128.23 | 127.64 | 127.60 | |
| 16 | 128.16 | 127.98 | 127.68 | 128.17 | 131.02 | 129.58 | 135.45 | 128.33 | 127.76 | 128.20 | 127.64 | 127.60 | |
| 17 | 127.94 | 127.98 | 127.68 | 128.23 | 131.40 | 129.57 | 135.03 | 128.59 | 127.83 | 128.23 | 127.64 | 127.59 | |
| 18 | 127.82 | 127.98 | 127.68 | 128.50 | 132.02 | 129.80 | 134.39 | 128.48 | 127.87 | 128.26 | 127.64 | 127.58 | |
| 19 | 127.99 | 128.04 | 127.67 | 128.42 | 132.76 | 130.20 | 133.67 | 128.38 | 127.92 | 128.28 | 127.64 | 127.58 | |
| 20 | 128.41 | 128.16 | 127.64 | 128.40 | 133.39 | 130.35 | 132.98 | 128.28 | 127.97 | 128.28 | 127.64 | 127.58 | |
| 21 | 128.74 | 128.36 | 127.65 | 128.39 | 133.85 | 130.28 | 132.33 | 128.30 | 128.02 | 128.19 | 127.64 | 127.57 | |
| 22 | 129.14 | 128.55 | 127.67 | 128.40 | 134.23 | 130.27 | 131.79 | 128.20 | 128.05 | 128.19 | 127.64 | 127.56 | |
| 23 | 128.93 | 128.62 | 127.72 | 128.23 | 134.42 | 130.43 | 131.40 | 128.10 | 128.07 | 128.21 | 127.64 | 127.56 | |
| 24 | 128.71 | 128.81 | 127.84 | 128.44 | 134.37 | 130.55 | 131.12 | 128.00 | 128.10 | 128.22 | 127.65 | 127.56 | |
| 25 | 128.59 | 128.94 | 127.99 | 128.36 | 134.16 | 130.64 | 130.96 | 127.98 | 128.12 | 128.24 | 127.66 | 127.56 | |
| 26 | 128.27 | 128.84 | 128.41 | 128.21 | 133.82 | 130.78 | 130.81 | 128.05 | 128.12 | 128.26 | 127.66 | 127.56 | |
| 27 | 128.52 | 128.79 | 128.33 | 128.12 | 133.34 | 130.99 | 130.50 | 127.98 | 128.14 | 128.27 | 127.66 | 127.56 | |
| 28 | 128.33 | 128.80 | 128.39 | 128.52 | 132.82 | 131.09 | 130.30 | 127.95 | 128.16 | 128.24 | 127.66 | 127.56 | |
| 29 | 128.12 | 128.54 | 128.59 | 128.33 | 132.30 | 131.15 | 130.16 | 127.86 | 128.18 | 128.24 | | 127.56 | |
| 30 | 128.04 | 128.45 | 128.39 | 128.27 | 131.70 | 131.24 | 130.02 | 127.80 | 128.22 | 128.24 | | 127.56 | |
| 31 | | 128.49 | | 128.23 | 131.26 | | 129.86 | | 128.27 | 128.23 | | 127.54 | |
| Mean | 128.41 | 128.21 | 127.98 | 128.26 | 131.89 | 130.25 | 133.52 | 128.52 | 127.89 | 128.23 | 127.86 | 127.60 | |
| Max | 129.14 | 128.94 | 128.59 | 128.52 | 134.42 | 131.24 | 136.29 | 129.76 | 128.27 | 128.31 | 128.22 | 127.66 | 136.29 |
| Min | 127.82 | 127.80 | 127.64 | 127.90 | 128.63 | 129.24 | 129.86 | 127.80 | 127.64 | 128.14 | 127.64 | 127.54 | 127.54 |

Annual Max Momentary Gage Height 136.30 m. (MSL.) , at 21.00 Hours , on Oct 8 , 2006

Zero Gage at Bottom Elevation 127.00 m. (MSL.) , River Bed 127.26 m. (MSL.)

Left Bank Elevation 134.44 m. (MSL.) ,

Right Bank Elevation 135.17 m. (MSL.) , Drainage Are 3,058 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.32 | 4.10 | 3.50 | 3.62 | 5.78 | 43.72 | 52.69 | 18.96 | 0.76 | 3.74 | 3.32 | 0.44 | | |
| 2 | 3.26 | 4.46 | 5.24 | 4.94 | 28.88 | 44.41 | 63.50 | 16.40 | 0.72 | 3.86 | 3.32 | 0.44 | | |
| 3 | 2.90 | 3.02 | 3.86 | 3.20 | 43.72 | 39.81 | 100.41 | 14.60 | 1.40 | 3.86 | 3.32 | 0.44 | | |
| 4 | 2.84 | 1.52 | 2.18 | 2.36 | 56.37 | 34.78 | 150.40 | 13.16 | 1.12 | 3.86 | 3.32 | 0.44 | | |
| 5 | 4.34 | 1.08 | 1.24 | 3.68 | 67.18 | 31.54 | 182.20 | 12.20 | 0.64 | 3.56 | 3.32 | 0.36 | | |
| 6 | 6.62 | 1.04 | 1.20 | 4.10 | 71.55 | 27.44 | 201.20 | 10.64 | 0.48 | 2.96 | 3.02 | 0.36 | | |
| 7 | 6.62 | 1.00 | 2.48 | 2.60 | 69.94 | 22.80 | 216.30 | 8.60 | 0.60 | 2.84 | 2.18 | 0.36 | | |
| 8 | 6.02 | 1.00 | 4.04 | 1.52 | 61.20 | 18.00 | 226.00 | 6.92 | 0.64 | 2.90 | 2.12 | 0.28 | | |
| 9 | 5.36 | 1.00 | 3.50 | 2.30 | 52.46 | 14.48 | 228.00 | 6.20 | 0.84 | 3.08 | 2.24 | 0.28 | | |
| 10 | 5.24 | 1.00 | 2.30 | 2.78 | 41.88 | 12.92 | 222.00 | 5.72 | 0.60 | 3.14 | 2.24 | 0.28 | | |
| 11 | 5.12 | 1.12 | 1.12 | 1.64 | 31.72 | 12.08 | 213.60 | 5.00 | 0.48 | 3.20 | 2.18 | 0.28 | | |
| 12 | 4.46 | 1.36 | 0.60 | 1.40 | 22.16 | 13.40 | 194.60 | 4.28 | 0.44 | 3.26 | 2.00 | 0.20 | | |
| 13 | 4.64 | 1.52 | 0.60 | 4.52 | 15.08 | 14.96 | 177.50 | 3.68 | 0.44 | 3.32 | 1.24 | 0.20 | | |
| 14 | 3.98 | 1.76 | 0.56 | 4.70 | 12.56 | 15.56 | 166.40 | 3.38 | 0.36 | 3.44 | 0.40 | 0.20 | | |
| 15 | 4.28 | 1.88 | 0.52 | 3.92 | 14.72 | 16.04 | 153.40 | 3.14 | 0.44 | 3.38 | 0.36 | 0.20 | | |
| 16 | 2.96 | 1.88 | 0.52 | 3.02 | 40.96 | 16.16 | 140.75 | 3.98 | 0.84 | 3.20 | 0.36 | 0.20 | | |
| 17 | 1.64 | 1.88 | 0.52 | 3.38 | 49.70 | 16.04 | 124.05 | 5.54 | 1.12 | 3.38 | 0.36 | 0.19 | | |
| 18 | 1.08 | 1.88 | 0.52 | 5.00 | 63.96 | 19.60 | 109.84 | 4.88 | 1.28 | 3.56 | 0.36 | 0.18 | | |
| 19 | 1.94 | 2.24 | 0.48 | 4.52 | 80.98 | 26.00 | 104.19 | 4.28 | 1.52 | 3.68 | 0.36 | 0.18 | | |
| 20 | 4.46 | 2.96 | 0.36 | 4.40 | 96.63 | 28.40 | 86.04 | 3.68 | 1.82 | 3.68 | 0.36 | 0.18 | | |
| 21 | 6.44 | 4.16 | 0.40 | 4.34 | 109.50 | 27.28 | 71.09 | 3.80 | 2.12 | 3.14 | 0.36 | 0.17 | | |
| 22 | 10.88 | 5.30 | 0.48 | 4.40 | 120.90 | 27.12 | 58.67 | 3.20 | 2.30 | 3.14 | 0.36 | 0.16 | | |
| 23 | 8.36 | 5.72 | 0.68 | 3.38 | 126.60 | 29.74 | 49.70 | 2.60 | 2.42 | 3.26 | 0.36 | 0.16 | | |
| 24 | 6.26 | 6.92 | 1.16 | 4.64 | 125.10 | 31.90 | 43.26 | 2.00 | 2.60 | 3.32 | 0.40 | 0.16 | | |
| 25 | 5.54 | 8.48 | 1.94 | 4.16 | 118.80 | 33.52 | 39.58 | 1.88 | 2.72 | 3.44 | 0.44 | 0.16 | | |
| 26 | 3.62 | 7.28 | 4.46 | 3.26 | 108.60 | 36.04 | 36.58 | 2.30 | 2.72 | 3.56 | 0.44 | 0.16 | | |
| 27 | 5.12 | 6.74 | 3.98 | 2.72 | 95.28 | 40.27 | 31.00 | 1.88 | 2.84 | 3.62 | 0.44 | 0.16 | | |
| 28 | 3.98 | 6.80 | 4.34 | 5.12 | 82.36 | 42.57 | 27.60 | 1.70 | 2.96 | 3.44 | 0.44 | 0.16 | | |
| 29 | 2.72 | 5.24 | 5.54 | 3.98 | 70.40 | 43.95 | 25.36 | 1.24 | 3.08 | 3.44 | | 0.16 | | |
| 30 | 2.24 | 4.70 | 4.34 | 3.62 | 56.60 | 46.02 | 23.12 | 1.00 | 3.32 | 3.44 | | 0.16 | | |
| 31 | | 4.94 | | 3.38 | 46.48 | | 20.56 | | 3.62 | 3.38 | | 0.14 | | |
| Total | 136.24 | 103.98 | 62.66 | 110.60 | 1988.05 | 826.55 | 3539.59 | 176.84 | 47.24 | 105.08 | 39.62 | 7.44 | 7143.89 | CMSDAY |
| Mean | 4.54 | 3.35 | 2.09 | 3.57 | 64.13 | 27.55 | 114.18 | 5.89 | 1.52 | 3.39 | 1.41 | 0.24 | 19.57 | CMS |
| Max | 10.88 | 8.48 | 5.54 | 5.12 | 126.60 | 46.02 | 228.00 | 18.96 | 3.62 | 3.86 | 3.32 | 0.44 | 228.00 | CMS |
| Min | 1.08 | 1.00 | 0.36 | 1.40 | 5.78 | 12.08 | 20.56 | 1.00 | 0.36 | 2.84 | 0.36 | 0.14 | 0.14 | CMS |
| Runoff | 11.77 | 8.98 | 5.41 | 9.56 | 171.77 | 71.41 | 305.82 | 15.28 | 4.08 | 9.08 | 3.42 | 0.64 | 617.23 | MCM |

Momentary Peak 229.00 CMS. at 136.30 m. (MSL.) at 21.00 Hours , on Oct 8, 2006

Runoff Yield 6.40 Liters/Second/Square KM. Momentary Peak Yield 74.89 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Se Bai at Ban Chiang Pheng, Yasothon (M.32)

Lat 15 - 50 - 18 N Long 104 - 27 - 35 E

**Location : on right bank at Phawaphutanon bridge.**

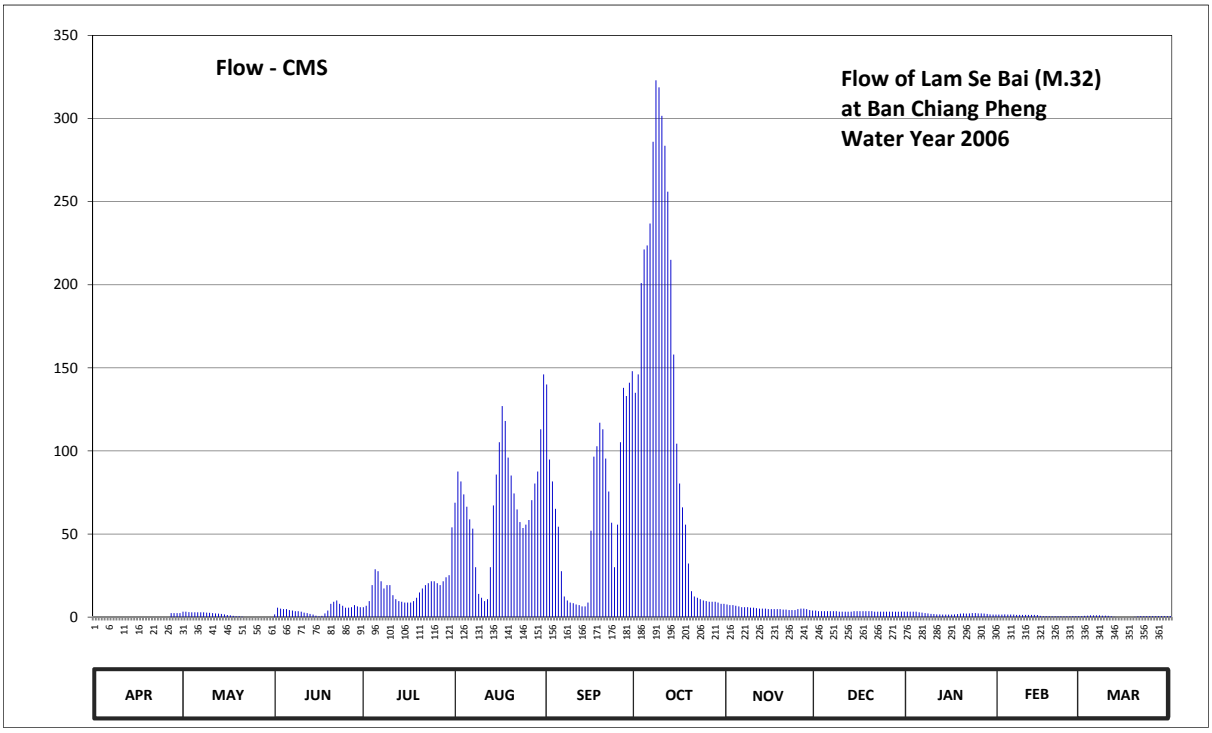
**Ban** Chiang Pheng **Amphoe** Pa Tiu **Changwat** Yasothon

| | |
|---|---|
| **Drainge Area** | 1,646 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +120.290 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the automatic gage building. **Elevation** +127.626 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1968 - 1974, 1997 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1968 - 1969, 1997 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1968 - 1969, 1997 to date. |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +126.940 m.(MSL.), records are channel flow only. |
| **General Description** | Records fair. The concrete weir situated about 3 kilometers downstream from the gage site. Stage-discharge relation defined by 28 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 123.70 | 123.71 | 123.61 | 123.80 | 124.62 | 125.60 | 125.55 | 123.84 | 123.73 | 123.71 | 123.60 | 123.54 | |
| 2 | 123.71 | 123.71 | 123.79 | 123.82 | 124.96 | 125.08 | 125.66 | 123.83 | 123.72 | 123.71 | 123.60 | 123.55 | |
| 3 | 123.71 | 123.70 | 123.77 | 123.89 | 124.86 | 124.86 | 126.21 | 123.83 | 123.72 | 123.71 | 123.61 | 123.56 | |
| 4 | 123.71 | 123.69 | 123.76 | 124.01 | 124.73 | 124.53 | 126.41 | 123.82 | 123.72 | 123.71 | 123.60 | 123.57 | |
| 5 | 123.71 | 123.69 | 123.76 | 124.09 | 124.56 | 124.26 | 126.43 | 123.81 | 123.72 | 123.69 | 123.60 | 123.57 | |
| 6 | 123.70 | 123.69 | 123.75 | 124.08 | 124.37 | 124.08 | 126.54 | 123.80 | 123.72 | 123.68 | 123.60 | 123.57 | |
| 7 | 123.70 | 123.69 | 123.73 | 124.03 | 124.23 | 123.93 | 126.95 | 123.80 | 123.72 | 123.66 | 123.59 | 123.57 | |
| 8 | 123.69 | 123.69 | 123.72 | 123.99 | 124.10 | 123.90 | 127.25 | 123.80 | 123.72 | 123.65 | 123.59 | 123.56 | |
| 9 | 123.69 | 123.68 | 123.72 | 124.01 | 123.95 | 123.87 | 127.22 | 123.79 | 123.71 | 123.63 | 123.59 | 123.56 | |
| 10 | 123.68 | 123.67 | 123.71 | 124.01 | 123.92 | 123.86 | 127.08 | 123.79 | 123.71 | 123.62 | 123.59 | 123.55 | |
| 11 | 123.68 | 123.66 | 123.68 | 123.94 | 123.89 | 123.84 | 126.93 | 123.78 | 123.71 | 123.61 | 123.59 | 123.53 | |
| 12 | 123.67 | 123.65 | 123.66 | 123.91 | 123.91 | 123.83 | 126.70 | 123.77 | 123.71 | 123.61 | 123.59 | 123.51 | |
| 13 | 123.67 | 123.64 | 123.63 | 123.89 | 124.10 | 123.81 | 126.35 | 123.77 | 123.71 | 123.60 | 123.59 | 123.50 | |
| 14 | 123.67 | 123.63 | 123.60 | 123.88 | 124.58 | 123.81 | 125.78 | 123.77 | 123.72 | 123.60 | 123.58 | 123.49 | |
| 15 | 123.69 | 123.61 | 123.56 | 123.87 | 124.93 | 123.87 | 125.23 | 123.76 | 123.72 | 123.60 | 123.55 | 123.47 | |
| 16 | 123.70 | 123.58 | 123.53 | 123.87 | 125.24 | 124.20 | 124.84 | 123.76 | 123.72 | 123.60 | 123.54 | 123.45 | |
| 17 | 123.71 | 123.57 | 123.55 | 123.87 | 125.47 | 125.11 | 124.55 | 123.76 | 123.72 | 123.61 | 123.54 | 123.45 | |
| 18 | 123.72 | 123.55 | 123.65 | 123.89 | 125.38 | 125.21 | 124.29 | 123.76 | 123.72 | 123.62 | 123.53 | 123.49 | |
| 19 | 123.73 | 123.53 | 123.73 | 123.92 | 125.10 | 125.37 | 124.11 | 123.76 | 123.72 | 123.64 | 123.53 | 123.51 | |
| 20 | 123.74 | 123.53 | 123.85 | 123.96 | 124.92 | 125.33 | 123.97 | 123.75 | 123.72 | 123.65 | 123.53 | 123.53 | |
| 21 | 123.74 | 123.52 | 123.88 | 123.99 | 124.74 | 125.09 | 123.93 | 123.75 | 123.71 | 123.64 | 123.53 | 123.54 | |
| 22 | 123.73 | 123.50 | 123.90 | 124.01 | 124.52 | 124.76 | 123.92 | 123.74 | 123.71 | 123.65 | 123.53 | 123.54 | |
| 23 | 123.73 | 123.47 | 123.85 | 124.02 | 124.33 | 124.32 | 123.91 | 123.74 | 123.71 | 123.66 | 123.53 | 123.54 | |
| 24 | 123.73 | 123.45 | 123.82 | 124.03 | 124.24 | 124.10 | 123.90 | 123.74 | 123.71 | 123.66 | 123.53 | 123.54 | |
| 25 | 123.74 | 123.43 | 123.79 | 124.03 | 124.29 | 124.29 | 123.89 | 123.76 | 123.71 | 123.65 | 123.53 | 123.54 | |
| 26 | 123.74 | 123.41 | 123.79 | 124.02 | 124.36 | 125.24 | 123.88 | 123.77 | 123.71 | 123.65 | 123.54 | 123.54 | |
| 27 | 123.73 | 123.39 | 123.80 | 124.01 | 124.66 | 125.58 | 123.88 | 123.77 | 123.71 | 123.64 | 123.54 | 123.54 | |
| 28 | 123.73 | 123.39 | 123.83 | 124.03 | 124.84 | 125.53 | 123.88 | 123.76 | 123.71 | 123.63 | 123.54 | 123.54 | |
| 29 | 123.73 | 123.39 | 123.81 | 124.05 | 124.96 | 125.61 | 123.87 | 123.74 | 123.71 | 123.61 | | 123.54 | |
| 30 | 123.73 | 123.39 | 123.80 | 124.06 | 125.33 | 125.68 | 123.85 | 123.73 | 123.71 | 123.60 | | 123.54 | |
| 31 | | 123.39 | | 124.25 | 125.66 | | 123.85 | | 123.71 | 123.60 | | 123.54 | |
| Mean | 123.71 | 123.57 | 123.73 | 123.98 | 124.64 | 124.62 | 125.19 | 123.78 | 123.72 | 123.64 | 123.56 | 123.53 | |
| Max | 123.74 | 123.71 | 123.90 | 124.25 | 125.66 | 125.68 | 127.25 | 123.84 | 123.73 | 123.71 | 123.61 | 123.57 | 127.25 |
| Min | 123.67 | 123.39 | 123.53 | 123.80 | 123.89 | 123.81 | 123.85 | 123.73 | 123.71 | 123.60 | 123.53 | 123.45 | 123.39 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 127.27 | m. (MSL.) , | at 13.00 Hours , on Oct 8, 2006 | | |
| Zero Gage at Bottom Elevation | 120.29 | m. (MSL.) , | River Bed | 119.12 | m. (MSL.) |
| Left Bank Elevation | 127.50 | m. (MSL.) , | | | |
| Right Bank Elevation | 126.93 | m. (MSL.) , | Drainage Are | 1,646 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 3.30 | 1.65 | 6.00 | 68.80 | 140.00 | 135.00 | 7.60 | 3.90 | 3.30 | 1.50 | 0.60 | | |
| 2 | 0.00 | 3.30 | 5.70 | 6.80 | 87.60 | 94.80 | 146.00 | 7.20 | 3.60 | 3.30 | 1.50 | 0.75 | | |
| 3 | 0.00 | 3.00 | 5.10 | 9.60 | 81.60 | 81.60 | 201.00 | 7.20 | 3.60 | 3.30 | 1.65 | 0.90 | | |
| 4 | 0.00 | 2.85 | 4.80 | 19.20 | 73.80 | 65.20 | 221.20 | 6.80 | 3.60 | 3.30 | 1.50 | 1.05 | | |
| 5 | 0.00 | 2.85 | 4.80 | 28.80 | 66.40 | 54.40 | 223.60 | 6.40 | 3.60 | 2.85 | 1.50 | 1.05 | | |
| 6 | 0.00 | 2.85 | 4.20 | 27.60 | 58.80 | 27.60 | 236.80 | 6.00 | 3.60 | 2.70 | 1.50 | 1.05 | | |
| 7 | 0.00 | 2.85 | 3.90 | 21.60 | 53.20 | 12.40 | 286.00 | 6.00 | 3.60 | 2.40 | 1.35 | 1.05 | | |
| 8 | 0.00 | 2.85 | 3.60 | 17.20 | 30.00 | 10.00 | 323.00 | 6.00 | 3.60 | 2.25 | 1.35 | 0.90 | | |
| 9 | 0.00 | 2.70 | 3.60 | 19.20 | 14.00 | 8.80 | 318.80 | 5.70 | 3.30 | 1.95 | 1.35 | 0.90 | | |
| 10 | 0.00 | 2.55 | 3.30 | 19.20 | 11.60 | 8.40 | 301.60 | 5.70 | 3.30 | 1.80 | 1.35 | 0.75 | | |
| 11 | 0.00 | 2.40 | 2.70 | 13.20 | 9.60 | 7.60 | 283.60 | 5.40 | 3.30 | 1.65 | 1.35 | 0.45 | | |
| 12 | 0.00 | 2.25 | 2.40 | 10.80 | 10.80 | 7.20 | 256.00 | 5.10 | 3.30 | 1.65 | 1.35 | 0.15 | | |
| 13 | 0.00 | 2.10 | 1.95 | 9.60 | 30.00 | 6.40 | 215.00 | 5.10 | 3.30 | 1.50 | 1.35 | 0.00 | | |
| 14 | 0.00 | 1.95 | 1.50 | 9.20 | 67.20 | 6.40 | 158.00 | 5.10 | 3.60 | 1.50 | 1.20 | 0.00 | | |
| 15 | 0.00 | 1.65 | 0.90 | 8.80 | 85.80 | 8.80 | 104.40 | 4.80 | 3.60 | 1.50 | 0.75 | 0.00 | | |
| 16 | 0.00 | 1.20 | 0.45 | 8.80 | 105.20 | 52.00 | 80.40 | 4.80 | 3.60 | 1.50 | 0.60 | 0.00 | | |
| 17 | 0.00 | 1.05 | 0.75 | 8.80 | 127.00 | 96.60 | 66.00 | 4.80 | 3.60 | 1.65 | 0.60 | 0.00 | | |
| 18 | 0.00 | 0.75 | 2.25 | 9.60 | 118.00 | 102.80 | 55.60 | 4.80 | 3.60 | 1.80 | 0.45 | 0.00 | | |
| 19 | 0.00 | 0.45 | 3.90 | 11.60 | 96.00 | 117.00 | 32.20 | 4.80 | 3.60 | 2.10 | 0.45 | 0.15 | | |
| 20 | 0.00 | 0.45 | 8.00 | 14.80 | 85.20 | 113.00 | 15.60 | 4.50 | 3.60 | 2.25 | 0.45 | 0.45 | | |
| 21 | 0.00 | 0.30 | 9.20 | 17.20 | 74.40 | 95.40 | 12.40 | 4.50 | 3.30 | 2.10 | 0.45 | 0.60 | | |
| 22 | 0.00 | 0.00 | 10.00 | 19.20 | 64.80 | 75.60 | 11.60 | 4.20 | 3.30 | 2.25 | 0.45 | 0.60 | | |
| 23 | 0.00 | 0.00 | 8.00 | 20.40 | 57.20 | 56.80 | 10.80 | 4.20 | 3.30 | 2.40 | 0.45 | 0.60 | | |
| 24 | 0.00 | 0.00 | 6.80 | 21.60 | 53.60 | 30.00 | 10.00 | 4.20 | 3.30 | 2.40 | 0.45 | 0.60 | | |
| 25 | 0.00 | 0.00 | 5.70 | 21.60 | 55.60 | 55.60 | 9.60 | 4.80 | 3.30 | 2.25 | 0.45 | 0.60 | | |
| 26 | 0.00 | 0.00 | 5.70 | 20.40 | 58.40 | 105.20 | 9.20 | 5.10 | 3.30 | 2.25 | 0.60 | 0.60 | | |
| 27 | 2.40 | 0.00 | 6.00 | 19.20 | 70.40 | 138.00 | 9.20 | 5.10 | 3.30 | 2.10 | 0.60 | 0.60 | | |
| 28 | 2.40 | 0.00 | 7.20 | 21.60 | 80.40 | 133.00 | 9.20 | 4.80 | 3.30 | 1.95 | 0.60 | 0.60 | | |
| 29 | 2.40 | 0.00 | 6.40 | 24.00 | 87.60 | 141.00 | 8.80 | 4.20 | 3.30 | 1.65 | | 0.60 | | |
| 30 | 2.40 | 0.00 | 6.00 | 25.20 | 113.00 | 148.00 | 8.00 | 3.90 | 3.30 | 1.50 | | 0.60 | | |
| 31 | | 0.00 | | 54.00 | 146.00 | | 8.00 | | 3.30 | 1.50 | | 0.60 | | |
| Total | 9.60 | 43.65 | 136.45 | 544.80 | 2142.00 | 1999.60 | 3766.60 | 158.80 | 107.10 | 66.60 | 27.15 | 16.80 | 9019.15 | CMSDAY |
| Mean | 0.32 | 1.41 | 4.55 | 17.57 | 69.10 | 66.65 | 121.50 | 5.29 | 3.45 | 2.15 | 0.97 | 0.54 | 24.71 | CMS |
| Max | 2.40 | 3.30 | 10.00 | 54.00 | 146.00 | 148.00 | 323.00 | 7.60 | 3.90 | 3.30 | 1.65 | 1.05 | 323.00 | CMS |
| Min | 0.00 | 0.00 | 0.45 | 6.00 | 9.60 | 6.40 | 8.00 | 3.90 | 3.30 | 1.50 | 0.45 | 0.00 | 0.00 | CMS |
| Runoff | 0.83 | 3.77 | 11.79 | 47.07 | 185.07 | 172.77 | 325.43 | 13.72 | 9.25 | 5.75 | 2.35 | 1.45 | 779.26 | MCM |

Momentary Peak 325.80 CMS. at 127.27 m. (MSL.) at 13.00 Hours , on Oct 8, 2006

Runoff Yield 15.01 Liters/Second/Square KM. Momentary Peak Yield 197.93 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Takhong at Ban Khlong Phai, Nakhon Ratchasima (M.38C)

Lat 14 - 52 - 06 N Long 101 - 33 - 53 E

**Location : on left bank about 500 meters downstream from Lam Takhong Dam.**

**Ban** Khlong Phai **Amphoe** Sikhiu **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 1,292 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +242.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 20 meters from the measuring line. **Elevation** +251.841 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1962 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1962-1965, 1967-1974, 1979-1981, 1983 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1962-1965, 1967-1974, 1979-1981, 1983 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected byLam Takong Dam about 500 meters upstream from the gage site. Stage - discharge relation defined by 49 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

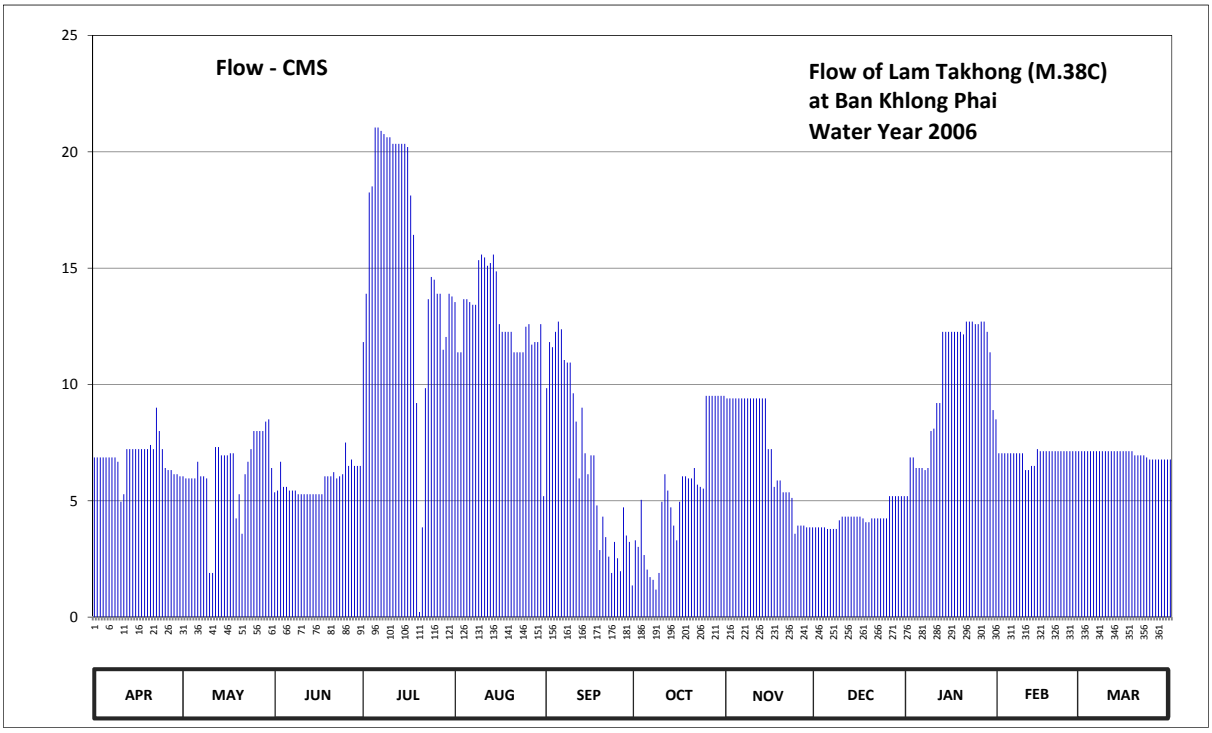
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 245.44 | 245.35 | 245.27 | 245.92 | 246.07 | 245.74 | 245.00 | 245.70 | 245.08 | 245.25 | 245.46 | 245.47 | |
| 2 | 245.44 | 245.34 | 245.28 | 246.10 | 245.88 | 245.92 | 244.96 | 245.70 | 245.08 | 245.44 | 245.46 | 245.47 | |
| 3 | 245.44 | 245.34 | 245.42 | 246.45 | 245.88 | 245.90 | 245.23 | 245.70 | 245.08 | 245.44 | 245.46 | 245.47 | |
| 4 | 245.44 | 245.34 | 245.30 | 246.47 | 246.08 | 245.96 | 244.91 | 245.70 | 245.08 | 245.39 | 245.46 | 245.47 | |
| 5 | 245.44 | 245.34 | 245.30 | 246.66 | 246.08 | 246.00 | 244.82 | 245.70 | 245.07 | 245.39 | 245.46 | 245.47 | |
| 6 | 245.44 | 245.42 | 245.28 | 246.66 | 246.07 | 245.97 | 244.77 | 245.70 | 245.07 | 245.39 | 245.46 | 245.47 | |
| 7 | 245.44 | 245.35 | 245.28 | 246.65 | 246.06 | 245.85 | 244.75 | 245.70 | 245.07 | 245.38 | 245.46 | 245.47 | |
| 8 | 245.44 | 245.35 | 245.28 | 246.64 | 246.06 | 245.84 | 244.67 | 245.70 | 245.07 | 245.39 | 245.46 | 245.47 | |
| 9 | 245.42 | 245.34 | 245.26 | 246.63 | 246.22 | 245.84 | 244.80 | 245.70 | 245.12 | 245.56 | 245.46 | 245.47 | |
| 10 | 245.22 | 244.80 | 245.26 | 246.63 | 246.24 | 245.72 | 245.22 | 245.70 | 245.14 | 245.57 | 245.38 | 245.47 | |
| 11 | 245.26 | 244.80 | 245.26 | 246.61 | 246.23 | 245.60 | 245.36 | 245.70 | 245.14 | 245.68 | 245.38 | 245.47 | |
| 12 | 245.48 | 245.49 | 245.26 | 246.61 | 246.20 | 245.34 | 245.28 | 245.70 | 245.14 | 245.68 | 245.40 | 245.47 | |
| 13 | 245.48 | 245.49 | 245.26 | 246.61 | 246.21 | 245.66 | 245.19 | 245.70 | 245.14 | 245.96 | 245.40 | 245.47 | |
| 14 | 245.48 | 245.45 | 245.26 | 246.61 | 246.24 | 245.46 | 245.09 | 245.70 | 245.14 | 245.96 | 245.48 | 245.47 | |
| 15 | 245.48 | 245.45 | 245.26 | 246.61 | 246.18 | 245.36 | 245.00 | 245.48 | 245.14 | 245.96 | 245.47 | 245.47 | |
| 16 | 245.48 | 245.45 | 245.26 | 246.60 | 245.99 | 245.45 | 245.22 | 245.48 | 245.14 | 245.96 | 245.47 | 245.47 | |
| 17 | 245.48 | 245.46 | 245.26 | 246.44 | 245.96 | 245.45 | 245.35 | 245.30 | 245.13 | 245.96 | 245.47 | 245.47 | |
| 18 | 245.48 | 245.46 | 245.35 | 246.31 | 245.96 | 245.20 | 245.35 | 245.33 | 245.11 | 245.96 | 245.47 | 245.47 | |
| 19 | 245.48 | 245.13 | 245.35 | 245.68 | 245.96 | 244.94 | 245.34 | 245.33 | 245.11 | 245.96 | 245.47 | 245.45 | |
| 20 | 245.50 | 245.26 | 245.35 | 244.36 | 245.96 | 245.14 | 245.34 | 245.27 | 245.13 | 245.95 | 245.47 | 245.45 | |
| 21 | 245.48 | 245.04 | 245.37 | 245.08 | 245.88 | 245.02 | 245.39 | 245.27 | 245.13 | 246.00 | 245.47 | 245.45 | |
| 22 | 245.66 | 245.36 | 245.34 | 245.74 | 245.88 | 244.90 | 245.31 | 245.27 | 245.13 | 246.00 | 245.47 | 245.45 | |
| 23 | 245.56 | 245.42 | 245.35 | 246.08 | 245.88 | 244.80 | 245.30 | 245.24 | 245.13 | 246.00 | 245.47 | 245.44 | |
| 24 | 245.48 | 245.48 | 245.36 | 246.16 | 245.88 | 244.99 | 245.29 | 245.04 | 245.13 | 245.99 | 245.47 | 245.43 | |
| 25 | 245.39 | 245.56 | 245.51 | 246.15 | 245.98 | 244.89 | 245.71 | 245.09 | 245.13 | 245.99 | 245.47 | 245.43 | |
| 26 | 245.38 | 245.56 | 245.40 | 246.10 | 245.99 | 244.81 | 245.71 | 245.09 | 245.25 | 246.00 | 245.47 | 245.43 | |
| 27 | 245.38 | 245.56 | 245.43 | 246.10 | 245.91 | 245.19 | 245.71 | 245.09 | 245.25 | 246.00 | 245.47 | 245.43 | |
| 28 | 245.36 | 245.56 | 245.40 | 245.89 | 245.92 | 245.03 | 245.71 | 245.08 | 245.25 | 245.96 | 245.47 | 245.43 | |
| 29 | 245.36 | 245.60 | 245.40 | 245.94 | 245.92 | 244.99 | 245.71 | 245.08 | 245.25 | 245.88 | | 245.43 | |
| 30 | 245.35 | 245.61 | 245.40 | 246.10 | 245.99 | 244.71 | 245.71 | 245.08 | 245.25 | 245.65 | | 245.43 | |
| 31 | | 245.39 | | 246.09 | 245.25 | | 245.71 | | 245.25 | 245.61 | | 245.43 | |
| Mean | 245.44 | 245.37 | 245.33 | 246.22 | 246.00 | 245.39 | 245.26 | 245.44 | 245.14 | 245.75 | 245.46 | 245.46 | |
| Max | 245.66 | 245.61 | 245.51 | 246.66 | 246.24 | 246.00 | 245.71 | 245.70 | 245.25 | 246.00 | 245.48 | 245.47 | 246.66 |
| Min | 245.22 | 244.80 | 245.26 | 244.36 | 245.25 | 244.71 | 244.67 | 245.04 | 245.07 | 245.25 | 245.38 | 245.43 | 244.36 |

Annual Max Momentary Gage Height 246.67 m. (MSL.) , at 15.00 Hours , on Jul 5, 2006

Zero Gage at Bottom Elevation 242.00 m. (MSL.) , River Bed 243.58 m. (MSL.)

Left Bank Elevation 251.48 m. (MSL.) ,

Right Bank Elevation 252.32 m. (MSL.) , Drainage Are 1,292 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.86 | 6.05 | 5.36 | 11.82 | 13.54 | 9.84 | 3.30 | 9.40 | 3.86 | 5.20 | 7.04 | 7.13 | | |
| 2 | 6.86 | 5.96 | 5.44 | 13.90 | 11.38 | 11.82 | 3.02 | 9.40 | 3.86 | 6.86 | 7.04 | 7.13 | | |
| 3 | 6.86 | 5.96 | 6.68 | 18.25 | 11.38 | 11.60 | 5.04 | 9.40 | 3.86 | 6.86 | 7.04 | 7.13 | | |
| 4 | 6.86 | 5.96 | 5.60 | 18.51 | 13.66 | 12.26 | 2.67 | 9.40 | 3.86 | 6.41 | 7.04 | 7.13 | | |
| 5 | 6.86 | 5.96 | 5.60 | 21.04 | 13.66 | 12.70 | 2.04 | 9.40 | 3.79 | 6.41 | 7.04 | 7.13 | | |
| 6 | 6.86 | 6.68 | 5.44 | 21.04 | 13.54 | 12.37 | 1.72 | 9.40 | 3.79 | 6.41 | 7.04 | 7.13 | | |
| 7 | 6.86 | 6.05 | 5.44 | 20.90 | 13.42 | 11.05 | 1.60 | 9.40 | 3.79 | 6.32 | 7.04 | 7.13 | | |
| 8 | 6.86 | 6.05 | 5.44 | 20.76 | 13.42 | 10.94 | 1.18 | 9.40 | 3.79 | 6.41 | 7.04 | 7.13 | | |
| 9 | 6.68 | 5.96 | 5.28 | 20.62 | 15.34 | 10.94 | 1.90 | 9.40 | 4.16 | 8.00 | 7.04 | 7.13 | | |
| 10 | 4.96 | 1.90 | 5.28 | 20.62 | 15.58 | 9.62 | 4.96 | 9.40 | 4.32 | 8.10 | 6.32 | 7.13 | | |
| 11 | 5.28 | 1.90 | 5.28 | 20.34 | 15.46 | 8.40 | 6.14 | 9.40 | 4.32 | 9.20 | 6.32 | 7.13 | | |
| 12 | 7.22 | 7.31 | 5.28 | 20.34 | 15.10 | 5.96 | 5.44 | 9.40 | 4.32 | 9.20 | 6.50 | 7.13 | | |
| 13 | 7.22 | 7.31 | 5.28 | 20.34 | 15.22 | 9.00 | 4.72 | 9.40 | 4.32 | 12.26 | 6.50 | 7.13 | | |
| 14 | 7.22 | 6.95 | 5.28 | 20.34 | 15.58 | 7.04 | 3.93 | 9.40 | 4.32 | 12.26 | 7.22 | 7.13 | | |
| 15 | 7.22 | 6.95 | 5.28 | 20.34 | 14.86 | 6.14 | 3.30 | 7.22 | 4.32 | 12.26 | 7.13 | 7.13 | | |
| 16 | 7.22 | 6.95 | 5.28 | 20.20 | 12.59 | 6.95 | 4.96 | 7.22 | 4.32 | 12.26 | 7.13 | 7.13 | | |
| 17 | 7.22 | 7.04 | 5.28 | 18.12 | 12.26 | 6.95 | 6.05 | 5.60 | 4.24 | 12.26 | 7.13 | 7.13 | | |
| 18 | 7.22 | 7.04 | 6.05 | 16.43 | 12.26 | 4.80 | 6.05 | 5.87 | 4.08 | 12.26 | 7.13 | 7.13 | | |
| 19 | 7.22 | 4.24 | 6.05 | 9.20 | 12.26 | 2.88 | 5.96 | 5.87 | 4.08 | 12.26 | 7.13 | 6.95 | | |
| 20 | 7.40 | 5.28 | 6.05 | 0.22 | 12.26 | 4.32 | 5.96 | 5.36 | 4.24 | 12.15 | 7.13 | 6.95 | | |
| 21 | 7.22 | 3.58 | 6.23 | 3.86 | 11.38 | 3.44 | 6.41 | 5.36 | 4.24 | 12.70 | 7.13 | 6.95 | | |
| 22 | 9.00 | 6.14 | 5.96 | 9.84 | 11.38 | 2.60 | 5.69 | 5.36 | 4.24 | 12.70 | 7.13 | 6.95 | | |
| 23 | 8.00 | 6.68 | 6.05 | 13.66 | 11.38 | 1.90 | 5.60 | 5.12 | 4.24 | 12.70 | 7.13 | 6.86 | | |
| 24 | 7.22 | 7.22 | 6.14 | 14.62 | 11.38 | 3.23 | 5.52 | 3.58 | 4.24 | 12.59 | 7.13 | 6.77 | | |
| 25 | 6.41 | 8.00 | 7.50 | 14.50 | 12.48 | 2.53 | 9.51 | 3.93 | 4.24 | 12.59 | 7.13 | 6.77 | | |
| 26 | 6.32 | 8.00 | 6.50 | 13.90 | 12.59 | 1.97 | 9.51 | 3.93 | 5.20 | 12.70 | 7.13 | 6.77 | | |
| 27 | 6.32 | 8.00 | 6.77 | 13.90 | 11.71 | 4.72 | 9.51 | 3.93 | 5.20 | 12.70 | 7.13 | 6.77 | | |
| 28 | 6.14 | 8.00 | 6.50 | 11.49 | 11.82 | 3.51 | 9.51 | 3.86 | 5.20 | 12.26 | 7.13 | 6.77 | | |
| 29 | 6.14 | 8.40 | 6.50 | 12.04 | 11.82 | 3.23 | 9.51 | 3.86 | 5.20 | 11.38 | | 6.77 | | |
| 30 | 6.05 | 8.50 | 6.50 | 13.90 | 12.59 | 1.36 | 9.51 | 3.86 | 5.20 | 8.90 | | 6.77 | | |
| 31 | | 6.41 | | 13.78 | 5.20 | | 9.51 | | 5.20 | 8.50 | | 6.77 | | |
| Total | 205.78 | 196.43 | 175.32 | 488.82 | 396.50 | 204.07 | 169.73 | 211.53 | 134.04 | 313.07 | 196.04 | 217.16 | 2908.49 | CMSDAY |
| Mean | 6.86 | 6.34 | 5.84 | 15.77 | 12.79 | 6.80 | 5.48 | 7.05 | 4.32 | 10.10 | 7.00 | 7.01 | 7.97 | CMS |
| Max | 9.00 | 8.50 | 7.50 | 21.04 | 15.58 | 12.70 | 9.51 | 9.40 | 5.20 | 12.70 | 7.22 | 7.13 | 21.04 | CMS |
| Min | 4.96 | 1.90 | 5.28 | 0.22 | 5.20 | 1.36 | 1.18 | 3.58 | 3.79 | 5.20 | 6.32 | 6.77 | 0.22 | CMS |
| Runoff | 17.78 | 16.97 | 15.15 | 42.23 | 34.26 | 17.63 | 14.66 | 18.28 | 11.58 | 27.05 | 16.94 | 18.76 | 251.29 | MCM |

Momentary Peak 21.18 CMS. at 246.67 m. (MSL.) at 15.00 Hours , on Jul 5, 2006

Runoff Yield 6.17 Liters/Second/Square KM. Momentary Peak Yield 16.39 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Thap Than at Ban Huai Thap Than, Si Sa Ket (M.42)

Lat 15 - 02 - 48 N Long 104 - 01 - 31 E

**Location : on right bank at the bridge on highway.**

**Ban** Huai Thap Than **Amphoe** Huai Thap Thun **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 2,832 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | 0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the footpath of the bridge. **Elevation** +11.591 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00, and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1972 to date |
| **Rating Operation** | |
| **Period of Rating** | 1972 - 1981, 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1972 - 1981, 1987 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevetion +6.050 m.(A.D.) and is including overbank flow. |
| **General Description** | Records very good. Flow effected by the local weir about 800 meters downstream from the gage site. Stage-discharge relation defined by 32 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

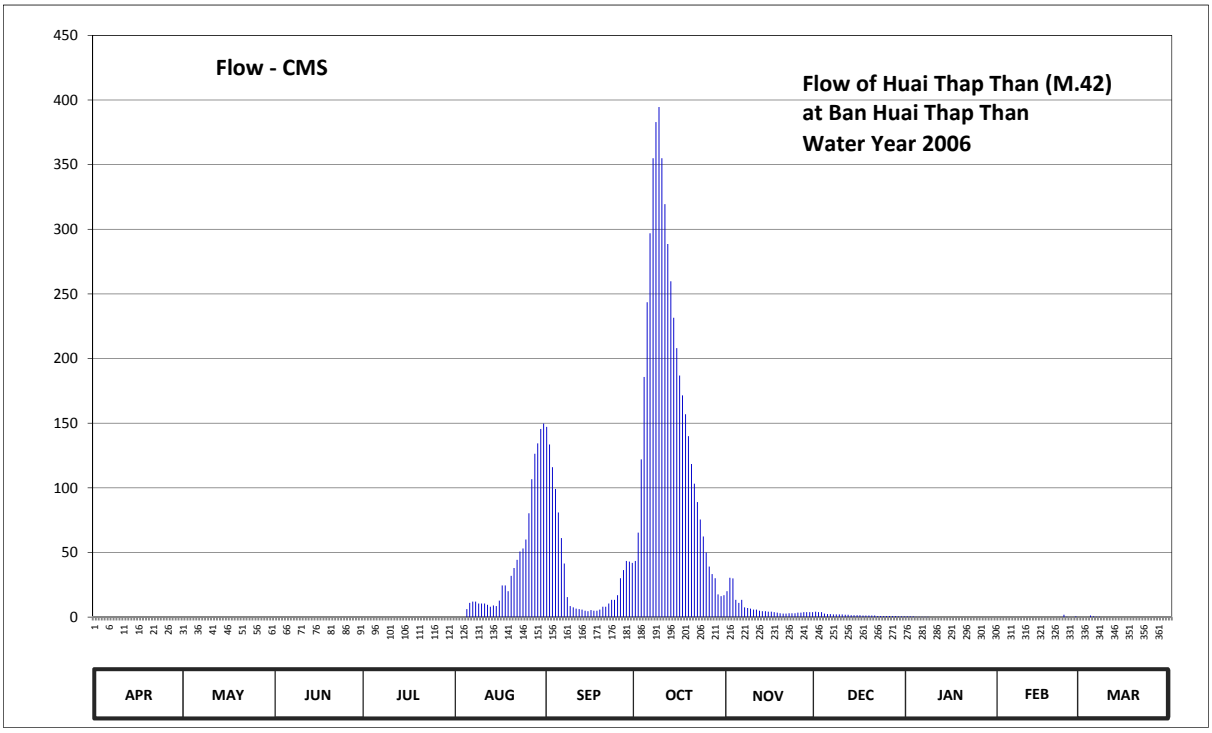
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.93 | 3.05 | 2.43 | 2.39 | 2.60 | 8.59 | 5.23 | 3.71 | 3.43 | 3.32 | 3.27 | 3.29 | |
| 2 | 2.93 | 2.49 | 2.43 | 2.39 | 2.63 | 8.42 | 6.57 | 3.88 | 3.42 | 3.32 | 3.27 | 3.29 | |
| 3 | 2.93 | 2.44 | 2.42 | 2.39 | 2.63 | 8.15 | 8.25 | 3.80 | 3.42 | 3.32 | 3.27 | 3.28 | |
| 4 | 2.93 | 2.46 | 2.41 | 2.39 | 2.63 | 7.78 | 8.98 | 3.62 | 3.39 | 3.31 | 3.27 | 3.34 | |
| 5 | 2.91 | 2.48 | 2.40 | 2.38 | 3.48 | 7.23 | 9.42 | 3.58 | 3.38 | 3.31 | 3.27 | 3.32 | |
| 6 | 2.90 | 2.49 | 2.39 | 2.38 | 3.58 | 6.36 | 9.70 | 3.62 | 3.38 | 3.31 | 3.26 | 3.31 | |
| 7 | 2.94 | 2.48 | 2.38 | 2.38 | 3.60 | 5.04 | 9.90 | 3.51 | 3.37 | 3.31 | 3.26 | 3.31 | |
| 8 | 2.95 | 2.47 | 2.37 | 2.37 | 3.60 | 3.65 | 9.98 | 3.50 | 3.37 | 3.31 | 3.26 | 3.30 | |
| 9 | 2.95 | 2.50 | 2.37 | 2.36 | 3.57 | 3.53 | 10.01 | 3.49 | 3.37 | 3.30 | 3.26 | 3.29 | |
| 10 | 2.95 | 2.50 | 2.35 | 2.36 | 3.57 | 3.51 | 9.90 | 3.47 | 3.37 | 3.30 | 3.26 | 3.29 | |
| 11 | 2.95 | 2.50 | 2.34 | 2.41 | 3.57 | 3.49 | 9.79 | 3.47 | 3.36 | 3.30 | 3.26 | 3.29 | |
| 12 | 2.94 | 2.49 | 2.33 | 2.42 | 3.55 | 3.48 | 9.66 | 3.45 | 3.36 | 3.30 | 3.25 | 3.28 | |
| 13 | 2.93 | 2.48 | 2.31 | 2.43 | 3.52 | 3.47 | 9.51 | 3.44 | 3.35 | 3.29 | 3.25 | 3.27 | |
| 14 | 2.92 | 2.47 | 2.30 | 2.42 | 3.54 | 3.45 | 9.34 | 3.44 | 3.35 | 3.29 | 3.25 | 3.26 | |
| 15 | 2.91 | 2.46 | 2.30 | 2.41 | 3.53 | 3.44 | 9.17 | 3.43 | 3.35 | 3.30 | 3.25 | 3.26 | |
| 16 | 2.91 | 2.43 | 2.28 | 2.41 | 3.61 | 3.46 | 8.99 | 3.43 | 3.35 | 3.30 | 3.25 | 3.25 | |
| 17 | 2.91 | 2.35 | 2.27 | 2.40 | 3.75 | 3.45 | 8.85 | 3.42 | 3.34 | 3.30 | 3.25 | 3.25 | |
| 18 | 2.90 | 2.35 | 2.33 | 2.40 | 3.75 | 3.45 | 8.70 | 3.41 | 3.34 | 3.30 | 3.25 | 3.25 | |
| 19 | 2.88 | 2.38 | 2.34 | 2.40 | 3.71 | 3.47 | 8.50 | 3.40 | 3.34 | 3.29 | 3.24 | 3.25 | |
| 20 | 2.87 | 2.45 | 2.34 | 2.42 | 4.09 | 3.52 | 8.19 | 3.39 | 3.34 | 3.28 | 3.24 | 3.24 | |
| 21 | 2.87 | 2.47 | 2.34 | 2.45 | 4.70 | 3.52 | 7.88 | 3.39 | 3.34 | 3.28 | 3.24 | 3.23 | |
| 22 | 2.86 | 2.47 | 2.35 | 2.44 | 5.29 | 3.57 | 7.50 | 3.40 | 3.33 | 3.28 | 3.24 | 3.23 | |
| 23 | 2.85 | 2.47 | 2.35 | 2.49 | 5.72 | 3.62 | 7.02 | 3.40 | 3.33 | 3.28 | 3.36 | 3.22 | |
| 24 | 3.04 | 2.48 | 2.35 | 2.49 | 5.87 | 3.62 | 6.42 | 3.40 | 3.33 | 3.28 | 3.31 | 3.22 | |
| 25 | 3.18 | 2.47 | 2.35 | 2.53 | 6.30 | 3.67 | 5.67 | 3.41 | 3.33 | 3.28 | 3.30 | 3.21 | |
| 26 | 3.17 | 2.47 | 2.35 | 2.53 | 7.21 | 3.82 | 4.81 | 3.41 | 3.33 | 3.28 | 3.30 | 3.21 | |
| 27 | 3.17 | 2.46 | 2.34 | 2.54 | 7.96 | 4.54 | 4.23 | 3.42 | 3.33 | 3.28 | 3.32 | 3.20 | |
| 28 | 3.17 | 2.46 | 2.39 | 2.54 | 8.32 | 5.23 | 3.81 | 3.42 | 3.33 | 3.27 | 3.30 | 3.20 | |
| 29 | 3.16 | 2.45 | 2.38 | 2.53 | 8.43 | 5.20 | 3.68 | 3.42 | 3.32 | 3.27 | | 3.19 | |
| 30 | 3.16 | 2.45 | 2.38 | 2.56 | 8.57 | 5.10 | 3.66 | 3.42 | 3.32 | 3.27 | | 3.18 | |
| 31 | | 2.45 | | 2.56 | 8.62 | | 3.67 | | 3.32 | 3.27 | | 3.17 | |
| Mean | 2.97 | 2.48 | 2.36 | 2.44 | 4.69 | 4.63 | 7.64 | 3.49 | 3.35 | 3.29 | 3.27 | 3.25 | |
| Max | 3.18 | 3.05 | 2.43 | 2.56 | 8.62 | 8.59 | 10.01 | 3.88 | 3.43 | 3.32 | 3.36 | 3.34 | 10.01 |
| Min | 2.85 | 2.35 | 2.27 | 2.36 | 2.60 | 3.44 | 3.66 | 3.39 | 3.32 | 3.27 | 3.24 | 3.17 | 2.27 |

Annual Max Momentary Gage Height 10.02 m. (A.D.) , at 06.00 Hours , on Oct 9, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.56 m. (A.D.) ,

Left Bank Elevation 6.04 m. (A.D.) ,

Right Bank Elevation 8.03 m. (A.D.) , Drainage Are 2,832 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 147.20 | 43.45 | 20.10 | 4.20 | 0.60 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 133.60 | 65.40 | 30.40 | 3.80 | 0.60 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 116.00 | 122.00 | 30.00 | 3.80 | 0.60 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.20 | 185.80 | 13.40 | 2.70 | 0.30 | 0.00 | 1.20 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 6.20 | 80.90 | 243.60 | 11.00 | 2.40 | 0.30 | 0.00 | 0.60 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 11.00 | 61.20 | 297.00 | 13.40 | 2.40 | 0.30 | 0.00 | 0.30 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 | 41.40 | 355.00 | 7.50 | 2.10 | 0.30 | 0.00 | 0.30 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 | 15.50 | 383.00 | 7.00 | 2.10 | 0.30 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 10.50 | 8.50 | 394.60 | 6.60 | 2.10 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 10.50 | 7.50 | 355.00 | 5.80 | 2.10 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 10.50 | 6.60 | 319.50 | 5.80 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 9.50 | 6.20 | 288.60 | 5.00 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 5.80 | 259.80 | 4.60 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 9.00 | 5.00 | 231.60 | 4.60 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 8.50 | 4.60 | 208.10 | 4.20 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 12.70 | 5.40 | 186.90 | 4.20 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 24.50 | 5.00 | 171.50 | 3.80 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 24.50 | 5.00 | 157.00 | 3.40 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 20.10 | 5.80 | 140.00 | 3.00 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 31.90 | 8.00 | 118.40 | 2.70 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 38.00 | 8.00 | 103.20 | 2.70 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 44.35 | 10.50 | 89.00 | 3.00 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 50.80 | 13.40 | 75.50 | 3.00 | 0.90 | 0.00 | 1.80 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 53.05 | 13.40 | 62.40 | 3.00 | 0.90 | 0.00 | 0.30 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 60.00 | 16.90 | 50.05 | 3.40 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 80.30 | 30.10 | 39.10 | 3.40 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 106.70 | 36.40 | 33.30 | 3.80 | 0.90 | 0.00 | 0.60 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 126.40 | 43.45 | 30.05 | 3.80 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 134.40 | 43.00 | 17.60 | 3.80 | 0.60 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 145.60 | 42.00 | 16.20 | 3.80 | 0.60 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 149.80 | | 16.90 | | 0.60 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 1210.80 | 1025.55 | 5059.55 | 220.20 | 51.40 | 3.30 | 2.70 | 2.40 | 7575.90 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.00 | 0.00 | 39.06 | 34.18 | 163.21 | 7.34 | 1.66 | 0.11 | 0.10 | 0.08 | 20.76 | CMS |
| Max | 0.00 | 0.00 | 0.00 | 0.00 | 149.80 | 147.20 | 394.60 | 30.40 | 4.20 | 0.60 | 1.80 | 1.20 | 394.60 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.60 | 16.20 | 2.70 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.00 | 0.00 | 104.61 | 88.61 | 437.15 | 19.03 | 4.44 | 0.29 | 0.23 | 0.21 | 654.56 | MCM |

Momentary Peak 399.20 CMS. at 10.02 m. (A.D.) at 06.00 Hours , on Oct 9, 2006

Runoff Yield 7.33 Liters/Second/Square KM. Momentary Peak Yield 140.96 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Takhong at Ban Tha Maprang, Nakhon Ratchasima (M.43A)

Lat 14 - 30 - 43 N Long 101 - 22 - 49 E

**Location : on left bank about 2 kilometers downstream from M.43**

**Ban** Tha Maprang **Amphoe** Pak Chong **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 153 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank downstream at the footpath of the bridge. **Elevation** +6.135 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1989 to date |
| **Rating Operation** | |
| **Period of Rating** | 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1989 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The weir situated above gage site.<br>Stage-discharge relation defined by 52 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

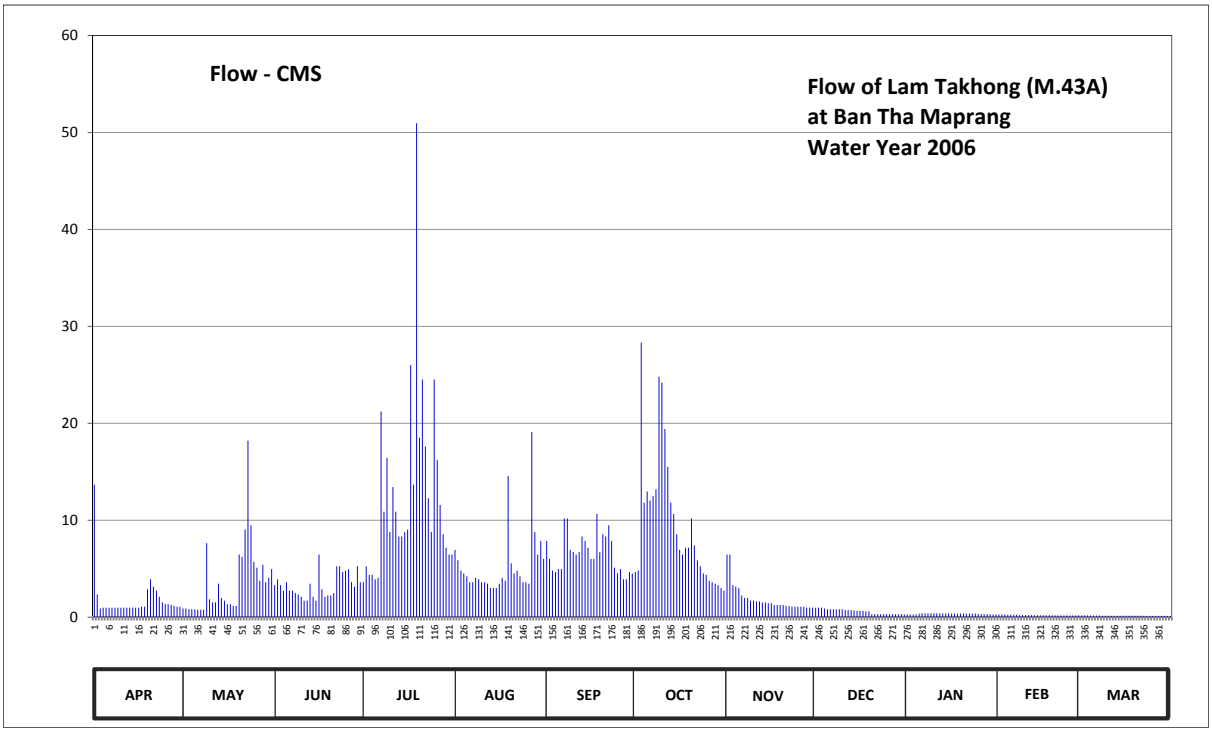
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.53 | -0.19 | 0.02 | 0.04 | 0.24 | 0.28 | 0.11 | 0.22 | -0.18 | -0.36 | -0.36 | -0.42 | |
| 2 | -0.05 | -0.19 | 0.06 | 0.15 | 0.19 | 0.20 | 0.12 | 0.22 | -0.18 | -0.36 | -0.36 | -0.42 | |
| 3 | -0.19 | -0.20 | 0.02 | 0.09 | 0.12 | 0.12 | 1.05 | 0.02 | -0.18 | -0.36 | -0.36 | -0.42 | |
| 4 | -0.18 | -0.20 | -0.02 | 0.09 | 0.10 | 0.11 | 0.45 | 0.01 | -0.19 | -0.36 | -0.38 | -0.43 | |
| 5 | -0.18 | -0.20 | 0.04 | 0.06 | 0.08 | 0.13 | 0.50 | 0.00 | -0.20 | -0.32 | -0.38 | -0.43 | |
| 6 | -0.18 | -0.21 | -0.02 | 0.07 | 0.04 | 0.13 | 0.46 | -0.06 | -0.20 | -0.30 | -0.38 | -0.43 | |
| 7 | -0.18 | -0.21 | -0.02 | 0.82 | 0.04 | 0.38 | 0.48 | -0.08 | -0.20 | -0.30 | -0.38 | -0.43 | |
| 8 | -0.18 | -0.21 | -0.04 | 0.41 | 0.07 | 0.38 | 0.51 | -0.08 | -0.20 | -0.30 | -0.40 | -0.45 | |
| 9 | -0.18 | 0.27 | -0.05 | 0.65 | 0.06 | 0.24 | 0.94 | -0.10 | -0.20 | -0.30 | -0.40 | -0.45 | |
| 10 | -0.18 | -0.09 | -0.07 | 0.32 | 0.04 | 0.23 | 0.92 | -0.10 | -0.20 | -0.30 | -0.40 | -0.45 | |
| 11 | -0.18 | -0.12 | -0.10 | 0.52 | 0.04 | 0.22 | 0.76 | -0.11 | -0.22 | -0.30 | -0.40 | -0.45 | |
| 12 | -0.18 | -0.12 | -0.10 | 0.41 | 0.03 | 0.23 | 0.61 | -0.11 | -0.22 | -0.30 | -0.40 | -0.45 | |
| 13 | -0.18 | 0.03 | 0.03 | 0.30 | 0.00 | 0.30 | 0.45 | -0.12 | -0.22 | -0.31 | -0.40 | -0.45 | |
| 14 | -0.18 | -0.08 | -0.07 | 0.30 | 0.00 | 0.28 | 0.40 | -0.12 | -0.23 | -0.31 | -0.40 | -0.45 | |
| 15 | -0.18 | -0.10 | -0.10 | 0.32 | 0.00 | 0.25 | 0.31 | -0.13 | -0.24 | -0.31 | -0.40 | -0.45 | |
| 16 | -0.18 | -0.14 | 0.22 | 0.33 | 0.03 | 0.20 | 0.24 | -0.13 | -0.24 | -0.31 | -0.40 | -0.45 | |
| 17 | -0.17 | -0.14 | -0.01 | 0.98 | 0.07 | 0.20 | 0.22 | -0.15 | -0.24 | -0.32 | -0.40 | -0.45 | |
| 18 | -0.17 | -0.16 | -0.07 | 0.53 | 0.05 | 0.40 | 0.25 | -0.15 | -0.25 | -0.32 | -0.40 | -0.45 | |
| 19 | -0.01 | -0.16 | -0.06 | 1.63 | 0.57 | 0.23 | 0.25 | -0.15 | -0.25 | -0.32 | -0.42 | -0.45 | |
| 20 | 0.06 | 0.22 | -0.06 | 0.73 | 0.17 | 0.31 | 0.38 | -0.15 | -0.35 | -0.32 | -0.42 | -0.45 | |
| 21 | 0.01 | 0.21 | -0.04 | 0.93 | 0.10 | 0.30 | 0.26 | -0.16 | -0.35 | -0.32 | -0.42 | -0.45 | |
| 22 | -0.02 | 0.33 | 0.15 | 0.70 | 0.12 | 0.35 | 0.19 | -0.16 | -0.35 | -0.32 | -0.42 | -0.45 | |
| 23 | -0.07 | 0.72 | 0.15 | 0.47 | 0.08 | 0.28 | 0.15 | -0.17 | -0.35 | -0.32 | -0.42 | -0.47 | |
| 24 | -0.12 | 0.35 | 0.11 | 0.32 | 0.04 | 0.14 | 0.10 | -0.17 | -0.35 | -0.32 | -0.42 | -0.47 | |
| 25 | -0.14 | 0.18 | 0.12 | 0.93 | 0.04 | 0.10 | 0.09 | -0.17 | -0.35 | -0.34 | -0.42 | -0.47 | |
| 26 | -0.14 | 0.14 | 0.13 | 0.64 | 0.03 | 0.13 | 0.05 | -0.17 | -0.35 | -0.34 | -0.42 | -0.47 | |
| 27 | -0.15 | 0.05 | 0.04 | 0.44 | 0.75 | 0.06 | 0.04 | -0.17 | -0.35 | -0.34 | -0.42 | -0.47 | |
| 28 | -0.16 | 0.16 | 0.01 | 0.31 | 0.32 | 0.06 | 0.03 | -0.18 | -0.35 | -0.34 | -0.42 | -0.47 | |
| 29 | -0.17 | 0.04 | 0.15 | 0.25 | 0.22 | 0.11 | 0.02 | -0.18 | -0.35 | -0.35 | | -0.47 | |
| 30 | -0.17 | 0.07 | 0.04 | 0.22 | 0.28 | 0.10 | 0.00 | -0.18 | -0.35 | -0.36 | | -0.47 | |
| 31 | | 0.13 | | 0.22 | 0.20 | | -0.02 | | -0.36 | -0.36 | | -0.47 | |
| Mean | -0.12 | 0.01 | 0.02 | 0.46 | 0.13 | 0.21 | 0.33 | -0.10 | -0.27 | -0.33 | -0.40 | -0.45 | |
| Max | 0.53 | 0.72 | 0.22 | 1.63 | 0.75 | 0.40 | 1.05 | 0.22 | -0.18 | -0.30 | -0.36 | -0.42 | 1.63 |
| Min | -0.19 | -0.21 | -0.10 | 0.04 | 0.00 | 0.06 | -0.02 | -0.18 | -0.36 | -0.36 | -0.42 | -0.47 | -0.47 |

Annual Max Momentary Gage Height 2.30 m. (A.D.) , at 09.00 Hours , on Jul 19, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.85 m. (A.D.) ,

Left Bank Elevation 2.88 m. (A.D.) ,

Right Bank Elevation 3.45 m. (A.D.) , Drainage Are 153 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.66 | 0.89 | 3.30 | 3.60 | 6.93 | 7.86 | 4.65 | 6.46 | 0.98 | 0.28 | 0.28 | 0.18 | | |
| 2 | 2.35 | 0.89 | 3.90 | 5.25 | 5.85 | 6.00 | 4.80 | 6.46 | 0.98 | 0.28 | 0.28 | 0.18 | | |
| 3 | 0.89 | 0.80 | 3.30 | 4.35 | 4.80 | 4.80 | 28.30 | 3.30 | 0.98 | 0.28 | 0.28 | 0.18 | | |
| 4 | 0.98 | 0.80 | 2.74 | 4.35 | 4.50 | 4.65 | 11.80 | 3.15 | 0.89 | 0.28 | 0.24 | 0.17 | | |
| 5 | 0.98 | 0.80 | 3.60 | 3.90 | 4.20 | 4.95 | 12.96 | 3.00 | 0.80 | 0.36 | 0.24 | 0.17 | | |
| 6 | 0.98 | 0.76 | 2.74 | 4.05 | 3.60 | 4.95 | 12.03 | 2.22 | 0.80 | 0.40 | 0.24 | 0.17 | | |
| 7 | 0.98 | 0.76 | 2.74 | 21.20 | 3.60 | 10.18 | 12.50 | 1.96 | 0.80 | 0.40 | 0.24 | 0.17 | | |
| 8 | 0.98 | 0.76 | 2.48 | 10.87 | 4.05 | 10.18 | 13.19 | 1.96 | 0.80 | 0.40 | 0.20 | 0.15 | | |
| 9 | 0.98 | 7.62 | 2.35 | 16.44 | 3.90 | 6.93 | 24.80 | 1.70 | 0.80 | 0.40 | 0.20 | 0.15 | | |
| 10 | 0.98 | 1.83 | 2.09 | 8.78 | 3.60 | 6.70 | 24.20 | 1.70 | 0.80 | 0.40 | 0.20 | 0.15 | | |
| 11 | 0.98 | 1.52 | 1.70 | 13.42 | 3.60 | 6.46 | 19.40 | 1.61 | 0.72 | 0.40 | 0.20 | 0.15 | | |
| 12 | 0.98 | 1.52 | 1.70 | 10.87 | 3.45 | 6.70 | 15.51 | 1.61 | 0.72 | 0.40 | 0.20 | 0.15 | | |
| 13 | 0.98 | 3.45 | 3.45 | 8.32 | 3.00 | 8.32 | 11.80 | 1.52 | 0.72 | 0.38 | 0.20 | 0.15 | | |
| 14 | 0.98 | 1.96 | 2.09 | 8.32 | 3.00 | 7.86 | 10.64 | 1.52 | 0.68 | 0.38 | 0.20 | 0.15 | | |
| 15 | 0.98 | 1.70 | 1.70 | 8.78 | 3.00 | 7.16 | 8.55 | 1.43 | 0.64 | 0.38 | 0.20 | 0.15 | | |
| 16 | 0.98 | 1.34 | 6.46 | 9.02 | 3.45 | 6.00 | 6.93 | 1.43 | 0.64 | 0.38 | 0.20 | 0.15 | | |
| 17 | 1.07 | 1.34 | 2.87 | 26.00 | 4.05 | 6.00 | 6.46 | 1.25 | 0.64 | 0.36 | 0.20 | 0.15 | | |
| 18 | 1.07 | 1.16 | 2.09 | 13.66 | 3.75 | 10.64 | 7.16 | 1.25 | 0.60 | 0.36 | 0.20 | 0.15 | | |
| 19 | 2.87 | 1.16 | 2.22 | 50.95 | 14.58 | 6.70 | 7.16 | 1.25 | 0.60 | 0.36 | 0.18 | 0.15 | | |
| 20 | 3.90 | 6.46 | 2.22 | 18.50 | 5.55 | 8.55 | 10.18 | 1.25 | 0.30 | 0.36 | 0.18 | 0.15 | | |
| 21 | 3.15 | 6.23 | 2.48 | 24.50 | 4.50 | 8.32 | 7.39 | 1.16 | 0.30 | 0.36 | 0.18 | 0.15 | | |
| 22 | 2.74 | 9.02 | 5.25 | 17.60 | 4.80 | 9.48 | 5.85 | 1.16 | 0.30 | 0.36 | 0.18 | 0.15 | | |
| 23 | 2.09 | 18.20 | 5.25 | 12.26 | 4.20 | 7.86 | 5.25 | 1.07 | 0.30 | 0.36 | 0.18 | 0.13 | | |
| 24 | 1.52 | 9.48 | 4.65 | 8.78 | 3.60 | 5.10 | 4.50 | 1.07 | 0.30 | 0.36 | 0.18 | 0.13 | | |
| 25 | 1.34 | 5.70 | 4.80 | 24.50 | 3.60 | 4.50 | 4.35 | 1.07 | 0.30 | 0.32 | 0.18 | 0.13 | | |
| 26 | 1.34 | 5.10 | 4.95 | 16.21 | 3.45 | 4.95 | 3.75 | 1.07 | 0.30 | 0.32 | 0.18 | 0.13 | | |
| 27 | 1.25 | 3.75 | 3.60 | 11.57 | 19.10 | 3.90 | 3.60 | 1.07 | 0.30 | 0.32 | 0.18 | 0.13 | | |
| 28 | 1.16 | 5.40 | 3.15 | 8.55 | 8.78 | 3.90 | 3.45 | 0.98 | 0.30 | 0.32 | 0.18 | 0.13 | | |
| 29 | 1.07 | 3.60 | 5.25 | 7.16 | 6.46 | 4.65 | 3.30 | 0.98 | 0.30 | 0.30 | | 0.13 | | |
| 30 | 1.07 | 4.05 | 3.60 | 6.46 | 7.86 | 4.50 | 3.00 | 0.98 | 0.30 | 0.28 | | 0.13 | | |
| 31 | | 4.95 | | 6.46 | 6.00 | | 2.74 | | 0.28 | 0.28 | | 0.13 | | |
| Total | 55.28 | 113.00 | 98.72 | 394.68 | 164.81 | 198.75 | 300.20 | 56.64 | 18.17 | 10.82 | 5.80 | 4.64 | 1421.51 | CMSDAY |
| Mean | 1.84 | 3.65 | 3.29 | 12.73 | 5.32 | 6.63 | 9.68 | 1.89 | 0.59 | 0.35 | 0.21 | 0.15 | 3.89 | CMS |
| Max | 13.66 | 18.20 | 6.46 | 50.95 | 19.10 | 10.64 | 28.30 | 6.46 | 0.98 | 0.40 | 0.28 | 0.18 | 50.95 | CMS |
| Min | 0.89 | 0.76 | 1.70 | 3.60 | 3.00 | 3.90 | 2.74 | 0.98 | 0.28 | 0.28 | 0.18 | 0.13 | 0.13 | CMS |
| Runoff | 4.78 | 9.76 | 8.53 | 34.10 | 14.24 | 17.17 | 25.94 | 4.89 | 1.57 | 0.93 | 0.50 | 0.40 | 122.82 | MCM |

Momentary Peak 85.00 CMS. at 2.30 m. (A.D.) at 09.00 Hours , on Jul 19, 2006

Runoff Yield 25.45 Liters/Second/Square KM. Momentary Peak Yield 555.56 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Sae at Ban Khon Buri, Nakhon Ratchasima (M.50)

Lat 14 - 31 - 05 N Long 102 - 14 - 46 E

**Location : on right bank infront of Amphoe Khon Buri Office.**

**Ban** Khon Buri **Amphoe** Khon Buri **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 864 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the automatic gage building. **Elevation** +5.063 m. (A.D.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1965 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1965 - 1967, 1999 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1965 - 1982, 1999 to date. |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. The weir situated about 2 kilometers downstream from the gage site. Stage-discharge relation defined by 12 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

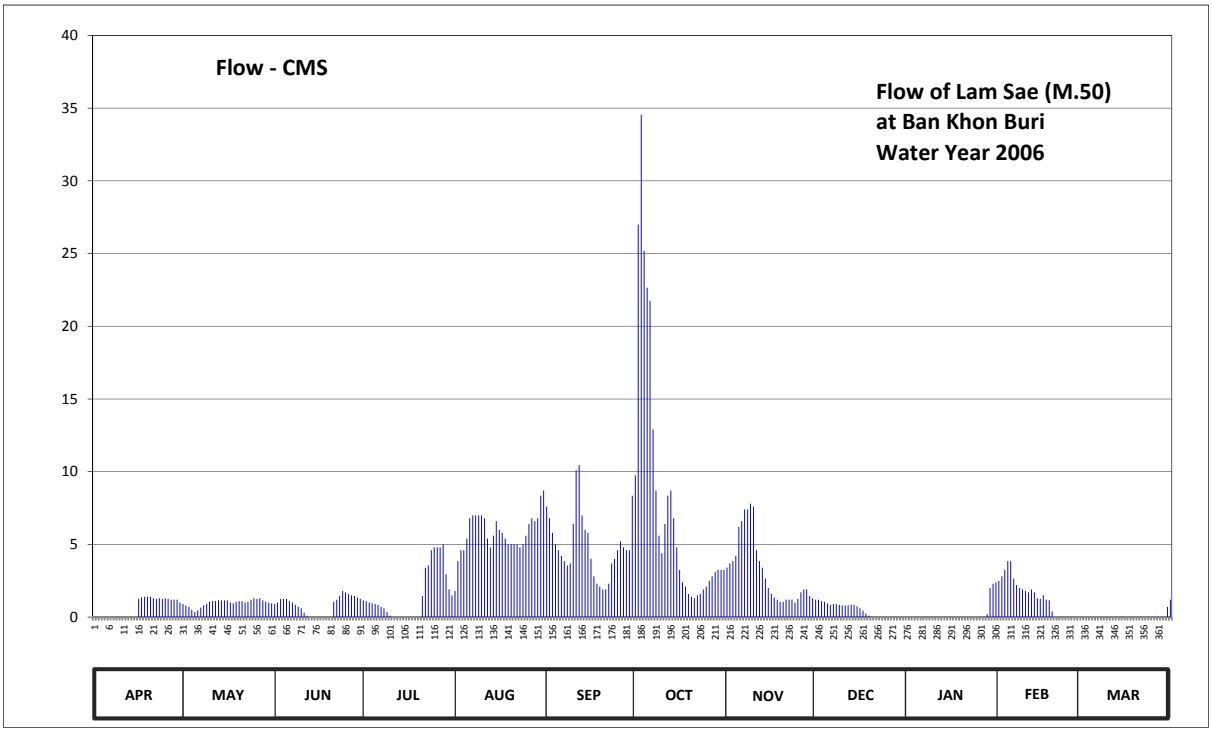
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.30 | 1.68 | 1.68 | 1.73 | 1.83 | 2.18 | 2.25 | 1.96 | 1.74 | 1.38 | 1.90 | 1.46 | |
| 2 | 1.30 | 1.66 | 1.70 | 1.72 | 1.99 | 2.14 | 2.65 | 1.98 | 1.74 | 1.36 | 1.92 | 1.44 | |
| 3 | 1.29 | 1.64 | 1.75 | 1.70 | 2.03 | 2.09 | 2.77 | 1.99 | 1.72 | 1.36 | 1.95 | 1.42 | |
| 4 | 1.26 | 1.60 | 1.75 | 1.69 | 2.03 | 2.05 | 2.62 | 2.01 | 1.71 | 1.34 | 1.99 | 1.41 | |
| 5 | 1.22 | 1.57 | 1.75 | 1.68 | 2.07 | 2.03 | 2.57 | 2.11 | 1.69 | 1.34 | 1.99 | 1.35 | |
| 6 | 1.19 | 1.59 | 1.72 | 1.67 | 2.14 | 2.01 | 2.55 | 2.13 | 1.67 | 1.33 | 1.91 | 1.31 | |
| 7 | 1.23 | 1.63 | 1.70 | 1.64 | 2.15 | 1.99 | 2.34 | 2.17 | 1.68 | 1.32 | 1.87 | 1.27 | |
| 8 | 1.36 | 1.66 | 1.67 | 1.62 | 2.15 | 1.97 | 2.22 | 2.17 | 1.68 | 1.31 | 1.85 | 1.25 | |
| 9 | 1.35 | 1.68 | 1.64 | 1.57 | 2.15 | 1.98 | 2.08 | 2.19 | 1.67 | 1.31 | 1.84 | 1.24 | |
| 10 | 1.35 | 1.71 | 1.62 | 1.52 | 2.15 | 2.12 | 2.02 | 2.18 | 1.66 | 1.30 | 1.83 | 1.25 | |
| 11 | 1.35 | 1.72 | 1.56 | 1.49 | 2.14 | 2.26 | 2.12 | 2.03 | 1.66 | 1.29 | 1.82 | 1.25 | |
| 12 | 1.35 | 1.72 | 1.52 | 1.45 | 2.07 | 2.27 | 2.21 | 1.99 | 1.66 | 1.27 | 1.84 | 1.23 | |
| 13 | 1.35 | 1.73 | 1.49 | 1.44 | 2.04 | 2.15 | 2.22 | 1.96 | 1.67 | 1.25 | 1.82 | 1.22 | |
| 14 | 1.34 | 1.73 | 1.46 | 1.41 | 2.08 | 2.10 | 2.14 | 1.91 | 1.67 | 1.23 | 1.76 | 1.20 | |
| 15 | 1.48 | 1.73 | 1.44 | 1.41 | 2.13 | 2.09 | 2.04 | 1.85 | 1.65 | 1.22 | 1.75 | 1.20 | |
| 16 | 1.75 | 1.73 | 1.43 | 1.42 | 2.10 | 2.00 | 1.95 | 1.81 | 1.62 | 1.22 | 1.80 | 1.18 | |
| 17 | 1.77 | 1.70 | 1.41 | 1.43 | 2.09 | 1.92 | 1.89 | 1.77 | 1.59 | 1.20 | 1.74 | 1.16 | |
| 18 | 1.78 | 1.69 | 1.40 | 1.42 | 2.07 | 1.88 | 1.86 | 1.74 | 1.55 | 1.19 | 1.73 | 1.15 | |
| 19 | 1.78 | 1.71 | 1.45 | 1.41 | 2.05 | 1.86 | 1.81 | 1.71 | 1.52 | 1.15 | 1.58 | 1.13 | |
| 20 | 1.78 | 1.72 | 1.48 | 1.40 | 2.05 | 1.84 | 1.78 | 1.71 | 1.50 | 1.10 | 1.47 | 1.17 | |
| 21 | 1.76 | 1.72 | 1.71 | 1.79 | 2.05 | 1.84 | 1.76 | 1.74 | 1.49 | 1.04 | 1.46 | 1.20 | |
| 22 | 1.75 | 1.70 | 1.74 | 1.96 | 2.05 | 1.88 | 1.80 | 1.74 | 1.48 | 0.98 | 1.44 | 1.20 | |
| 23 | 1.76 | 1.71 | 1.79 | 1.97 | 2.04 | 1.98 | 1.81 | 1.74 | 1.47 | 0.91 | 1.44 | 1.19 | |
| 24 | 1.75 | 1.74 | 1.83 | 2.03 | 2.05 | 2.00 | 1.84 | 1.70 | 1.47 | 0.87 | 1.46 | 1.18 | |
| 25 | 1.76 | 1.76 | 1.82 | 2.04 | 2.08 | 2.03 | 1.86 | 1.75 | 1.47 | 0.82 | 1.49 | 1.18 | |
| 26 | 1.75 | 1.75 | 1.81 | 2.04 | 2.12 | 2.06 | 1.90 | 1.82 | 1.47 | 0.78 | 1.49 | 1.17 | |
| 27 | 1.74 | 1.76 | 1.80 | 2.04 | 2.14 | 2.04 | 1.92 | 1.84 | 1.46 | 0.80 | 1.50 | 1.16 | |
| 28 | 1.74 | 1.73 | 1.79 | 2.05 | 2.13 | 2.03 | 1.94 | 1.84 | 1.45 | 1.54 | 1.50 | 1.19 | |
| 29 | 1.74 | 1.71 | 1.77 | 1.93 | 2.14 | 2.03 | 1.95 | 1.79 | 1.44 | 1.85 | | 1.42 | |
| 30 | 1.70 | 1.70 | 1.75 | 1.84 | 2.21 | 2.21 | 1.95 | 1.76 | 1.42 | 1.88 | | 1.64 | |
| 31 | | 1.69 | | 1.80 | 2.22 | | 1.95 | | 1.39 | 1.89 | | 1.74 | |
| Mean | 1.53 | 1.70 | 1.65 | 1.69 | 2.09 | 2.03 | 2.09 | 1.90 | 1.58 | 1.25 | 1.72 | 1.28 | |
| Max | 1.78 | 1.76 | 1.83 | 2.05 | 2.22 | 2.27 | 2.77 | 2.19 | 1.74 | 1.89 | 1.99 | 1.74 | 2.77 |
| Min | 1.19 | 1.57 | 1.40 | 1.40 | 1.83 | 1.84 | 1.76 | 1.70 | 1.39 | 0.78 | 1.44 | 1.13 | 0.78 |

Annual Max Momentary Gage Height 2.78 m. (A.D.) , at 22.00 Hours , on Oct 2, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.42 m. (A.D.)

Left Bank Elevation 3.50 m. (A.D.) ,

Right Bank Elevation 3.11 m. (A.D.) , Drainage Are 864 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.90 | 0.90 | 1.15 | 1.80 | 7.60 | 9.75 | 3.40 | 1.20 | 0.00 | 2.50 | 0.00 | | |
| 2 | 0.00 | 0.80 | 1.00 | 1.10 | 3.85 | 6.80 | 27.00 | 3.70 | 1.20 | 0.00 | 2.80 | 0.00 | | |
| 3 | 0.00 | 0.70 | 1.25 | 1.00 | 4.60 | 5.80 | 34.55 | 3.85 | 1.10 | 0.00 | 3.25 | 0.00 | | |
| 4 | 0.00 | 0.50 | 1.25 | 0.95 | 4.60 | 5.00 | 25.20 | 4.20 | 1.05 | 0.00 | 3.85 | 0.00 | | |
| 5 | 0.00 | 0.35 | 1.25 | 0.90 | 5.40 | 4.60 | 22.65 | 6.20 | 0.95 | 0.00 | 3.85 | 0.00 | | |
| 6 | 0.00 | 0.45 | 1.10 | 0.85 | 6.80 | 4.20 | 21.75 | 6.60 | 0.85 | 0.00 | 2.65 | 0.00 | | |
| 7 | 0.00 | 0.65 | 1.00 | 0.70 | 7.00 | 3.85 | 12.90 | 7.40 | 0.90 | 0.00 | 2.20 | 0.00 | | |
| 8 | 0.00 | 0.80 | 0.85 | 0.60 | 7.00 | 3.55 | 8.70 | 7.40 | 0.90 | 0.00 | 2.00 | 0.00 | | |
| 9 | 0.00 | 0.90 | 0.70 | 0.35 | 7.00 | 3.70 | 5.60 | 7.80 | 0.85 | 0.00 | 1.90 | 0.00 | | |
| 10 | 0.00 | 1.05 | 0.60 | 0.10 | 7.00 | 6.40 | 4.40 | 7.60 | 0.80 | 0.00 | 1.80 | 0.00 | | |
| 11 | 0.00 | 1.10 | 0.30 | 0.00 | 6.80 | 10.10 | 6.40 | 4.60 | 0.80 | 0.00 | 1.70 | 0.00 | | |
| 12 | 0.00 | 1.10 | 0.10 | 0.00 | 5.40 | 10.45 | 8.35 | 3.85 | 0.80 | 0.00 | 1.90 | 0.00 | | |
| 13 | 0.00 | 1.15 | 0.00 | 0.00 | 4.80 | 7.00 | 8.70 | 3.40 | 0.85 | 0.00 | 1.70 | 0.00 | | |
| 14 | 0.00 | 1.15 | 0.00 | 0.00 | 5.60 | 6.00 | 6.80 | 2.65 | 0.85 | 0.00 | 1.30 | 0.00 | | |
| 15 | 0.00 | 1.15 | 0.00 | 0.00 | 6.60 | 5.80 | 4.80 | 2.00 | 0.75 | 0.00 | 1.25 | 0.00 | | |
| 16 | 1.25 | 1.15 | 0.00 | 0.00 | 6.00 | 4.00 | 3.25 | 1.60 | 0.60 | 0.00 | 1.50 | 0.00 | | |
| 17 | 1.35 | 1.00 | 0.00 | 0.00 | 5.80 | 2.80 | 2.40 | 1.35 | 0.45 | 0.00 | 1.20 | 0.00 | | |
| 18 | 1.40 | 0.95 | 0.00 | 0.00 | 5.40 | 2.30 | 2.10 | 1.20 | 0.25 | 0.00 | 1.15 | 0.00 | | |
| 19 | 1.40 | 1.05 | 0.00 | 0.00 | 5.00 | 2.10 | 1.60 | 1.05 | 0.10 | 0.00 | 0.40 | 0.00 | | |
| 20 | 1.40 | 1.10 | 0.00 | 0.00 | 5.00 | 1.90 | 1.40 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 1.30 | 1.10 | 1.05 | 1.45 | 5.00 | 1.90 | 1.30 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 1.25 | 1.00 | 1.20 | 3.40 | 5.00 | 2.30 | 1.50 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 1.30 | 1.05 | 1.45 | 3.55 | 4.80 | 3.70 | 1.60 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 1.25 | 1.20 | 1.80 | 4.60 | 5.00 | 4.00 | 1.90 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 1.30 | 1.30 | 1.70 | 4.80 | 5.60 | 4.60 | 2.10 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 1.25 | 1.25 | 1.60 | 4.80 | 6.40 | 5.20 | 2.50 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 1.20 | 1.30 | 1.50 | 4.80 | 6.80 | 4.80 | 2.80 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 1.20 | 1.15 | 1.45 | 5.00 | 6.60 | 4.60 | 3.10 | 1.90 | 0.00 | 0.20 | 0.00 | 0.00 | | |
| 29 | 1.20 | 1.05 | 1.35 | 2.95 | 6.80 | 4.60 | 3.25 | 1.45 | 0.00 | 2.00 | | 0.00 | | |
| 30 | 1.00 | 1.00 | 1.25 | 1.90 | 8.35 | 8.35 | 3.25 | 1.30 | 0.00 | 2.30 | | 0.70 | | |
| 31 | | 0.95 | | 1.50 | 8.70 | | 3.25 | | 0.00 | 2.40 | | 1.20 | | |
| Total | 19.05 | 30.35 | 24.65 | 46.45 | 180.50 | 148.00 | 244.85 | 95.00 | 15.25 | 6.90 | 38.90 | 1.90 | 851.80 | CMSDAY |
| Mean | 0.64 | 0.98 | 0.82 | 1.50 | 5.82 | 4.93 | 7.90 | 3.17 | 0.49 | 0.22 | 1.39 | 0.06 | 2.33 | CMS |
| Max | 1.40 | 1.30 | 1.80 | 5.00 | 8.70 | 10.45 | 34.55 | 7.80 | 1.20 | 2.40 | 3.85 | 1.20 | 34.55 | CMS |
| Min | 0.00 | 0.35 | 0.00 | 0.00 | 1.80 | 1.90 | 1.30 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.65 | 2.62 | 2.13 | 4.01 | 15.60 | 12.79 | 21.16 | 8.21 | 1.32 | 0.60 | 3.36 | 0.16 | 73.60 | MCM |

Momentary Peak 35.20 CMS. at 2.78 m. (A.D.) at 22.00 Hours , on Oct 2, 2006

Runoff Yield 2.70 Liters/Second/Square KM. Momentary Peak Yield 40.74 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Khayung at Ban Wang Chom Pu, Si Sa Ket (M.66)

Lat 14 - 38 - 27 N Long 104 - 39 - 50 E

**Location : on right bank about 50 meters upstream from the bridge of Kantharalak - Det Udom Road.**

**Ban** Wang Chom Pu **Amphoe** Kantharalak **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 562 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | At the automatic gage building. **Elevation** +6.581 m. (A.D.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings |
| **Period of Available Gage Records** | 1965 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1965 - 1968, 1972 - 1981, 1987 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1965 - 1968, 1972 - 1981, 1987 to date. |
| **Stability of Channel Regimes** | Fairly stable by some scouring. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records poor. Stage-discharge relation defined by 27 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

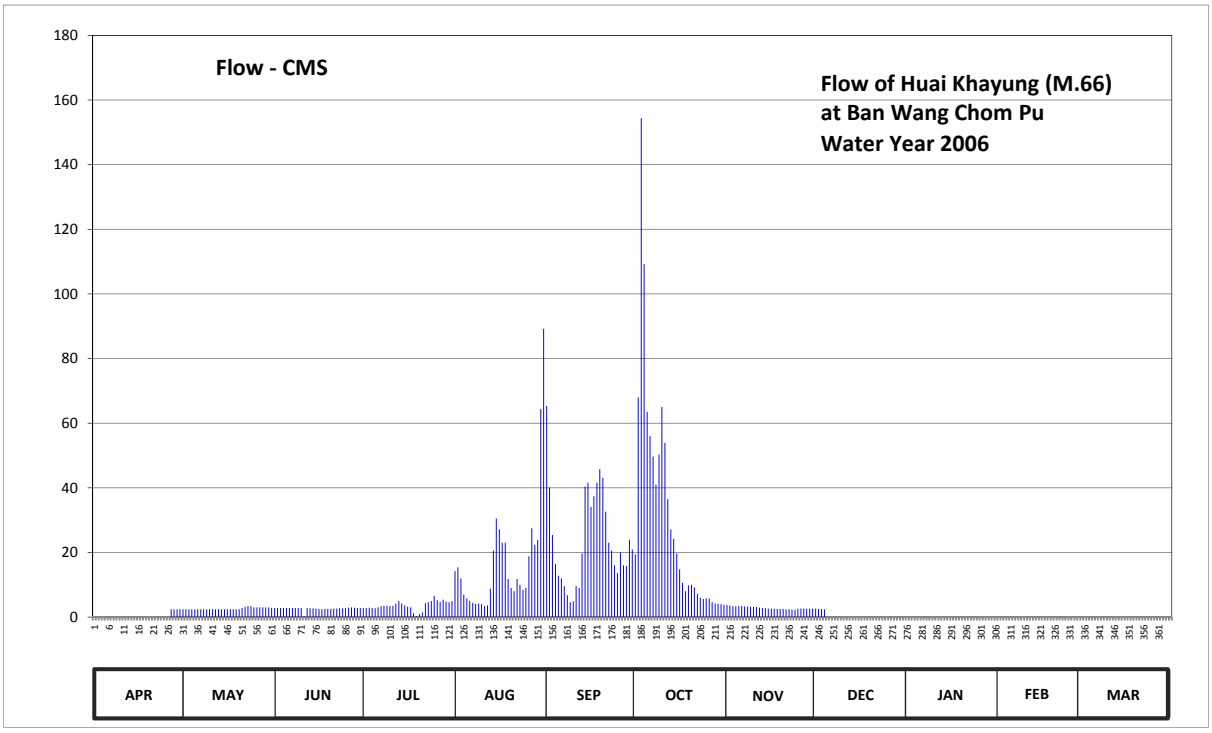
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.29 | -0.26 | -0.22 | -0.22 | 0.46 | 2.21 | 0.68 | -0.13 | -0.24 | -0.29 | -0.55 | -0.81 | |
| 2 | -0.29 | -0.26 | -0.22 | -0.22 | 0.52 | 1.37 | 2.30 | -0.14 | -0.25 | -0.29 | -0.56 | -0.80 | |
| 3 | -0.29 | -0.26 | -0.22 | -0.21 | 0.35 | 0.88 | 4.46 | -0.16 | -0.25 | -0.29 | -0.57 | -0.80 | |
| 4 | -0.30 | -0.26 | -0.22 | -0.22 | 0.10 | 0.57 | 3.33 | -0.17 | -0.26 | -0.29 | -0.58 | -0.79 | |
| 5 | -0.30 | -0.26 | -0.22 | -0.23 | 0.04 | 0.39 | 2.15 | -0.16 | -0.27 | -0.29 | -0.59 | -0.78 | |
| 6 | -0.31 | -0.26 | -0.22 | -0.20 | 0.00 | 0.35 | 1.90 | -0.16 | -0.27 | -0.30 | -0.60 | -0.77 | |
| 7 | -0.31 | -0.26 | -0.22 | -0.16 | -0.06 | 0.23 | 1.69 | -0.17 | -0.27 | -0.35 | -0.61 | -0.76 | |
| 8 | -0.31 | -0.26 | -0.22 | -0.15 | -0.09 | 0.09 | 1.40 | -0.17 | -0.27 | -0.40 | -0.61 | -0.75 | |
| 9 | -0.31 | -0.26 | -0.22 | -0.15 | -0.08 | -0.04 | 1.71 | -0.18 | -0.27 | -0.45 | -0.62 | -0.74 | |
| 10 | -0.31 | -0.26 | -0.22 | -0.16 | -0.10 | -0.01 | 2.20 | -0.19 | -0.27 | -0.50 | -0.62 | -0.73 | |
| 11 | -0.31 | -0.26 | -0.22 | -0.15 | -0.16 | 0.23 | 1.83 | -0.19 | -0.27 | -0.55 | -0.63 | -0.70 | |
| 12 | -0.31 | -0.26 | -0.22 | -0.09 | -0.14 | 0.20 | 1.25 | -0.21 | -0.27 | -0.60 | -0.64 | -0.66 | |
| 13 | -0.31 | -0.26 | -0.23 | 0.00 | 0.19 | 0.69 | 0.94 | -0.22 | -0.27 | -0.67 | -0.65 | -0.64 | |
| 14 | -0.31 | -0.26 | -0.23 | -0.08 | 0.72 | 1.38 | 0.84 | -0.23 | -0.27 | -0.71 | -0.66 | -0.63 | |
| 15 | -0.31 | -0.26 | -0.24 | -0.14 | 1.05 | 1.42 | 0.69 | -0.24 | -0.27 | -0.70 | -0.67 | -0.60 | |
| 16 | -0.31 | -0.26 | -0.25 | -0.18 | 0.94 | 1.17 | 0.49 | -0.24 | -0.28 | -0.69 | -0.68 | -0.58 | |
| 17 | -0.31 | -0.26 | -0.26 | -0.20 | 0.80 | 1.28 | 0.28 | -0.24 | -0.28 | -0.68 | -0.69 | -0.54 | |
| 18 | -0.31 | -0.26 | -0.25 | -0.51 | 0.80 | 1.42 | 0.15 | -0.25 | -0.28 | -0.67 | -0.70 | -0.50 | |
| 19 | -0.31 | -0.26 | -0.25 | -1.11 | 0.34 | 1.56 | 0.24 | -0.25 | -0.28 | -0.67 | -0.71 | -0.46 | |
| 20 | -0.31 | -0.26 | -0.25 | -0.68 | 0.20 | 1.47 | 0.25 | -0.25 | -0.28 | -0.67 | -0.72 | -0.42 | |
| 21 | -0.30 | -0.22 | -0.24 | -0.40 | 0.15 | 1.12 | 0.21 | -0.26 | -0.28 | -0.68 | -0.77 | -0.38 | |
| 22 | -0.30 | -0.18 | -0.24 | -0.07 | 0.34 | 0.80 | 0.11 | -0.26 | -0.28 | -0.59 | -0.77 | -0.35 | |
| 23 | -0.29 | -0.16 | -0.23 | -0.04 | 0.25 | 0.72 | 0.05 | -0.27 | -0.28 | -0.55 | -0.78 | -0.48 | |
| 24 | -0.29 | -0.16 | -0.23 | 0.00 | 0.17 | 0.55 | 0.03 | -0.28 | -0.28 | -0.55 | -0.78 | -0.55 | |
| 25 | -0.28 | -0.20 | -0.22 | 0.08 | 0.20 | 0.43 | 0.04 | -0.25 | -0.28 | -0.55 | -0.79 | -0.56 | |
| 26 | -0.27 | -0.20 | -0.21 | 0.01 | 0.66 | 0.70 | 0.04 | -0.24 | -0.29 | -0.55 | -0.80 | -0.57 | |
| 27 | -0.26 | -0.20 | -0.20 | -0.03 | 0.95 | 0.55 | -0.04 | -0.24 | -0.29 | -0.56 | -0.81 | -0.58 | |
| 28 | -0.26 | -0.20 | -0.21 | 0.02 | 0.78 | 0.54 | -0.08 | -0.24 | -0.29 | -0.56 | -0.81 | -0.59 | |
| 29 | -0.26 | -0.20 | -0.22 | -0.02 | 0.83 | 0.83 | -0.09 | -0.24 | -0.29 | -0.56 | | -0.60 | |
| 30 | -0.26 | -0.20 | -0.22 | -0.04 | 2.18 | 0.73 | -0.10 | -0.24 | -0.29 | -0.56 | | -0.60 | |
| 31 | | -0.22 | | 0.00 | 2.83 | | -0.12 | | -0.29 | -0.56 | | -0.61 | |
| Mean | -0.30 | -0.24 | -0.23 | -0.18 | 0.49 | 0.79 | 0.93 | -0.22 | -0.27 | -0.53 | -0.68 | -0.62 | |
| Max | -0.26 | -0.16 | -0.20 | 0.08 | 2.83 | 2.21 | 4.46 | -0.13 | -0.24 | -0.29 | -0.55 | -0.35 | 4.46 |
| Min | -0.31 | -0.26 | -0.26 | -1.11 | -0.16 | -0.04 | -0.12 | -0.28 | -0.29 | -0.71 | -0.81 | -0.81 | -1.11 |

Annual Max Momentary Gage Height 4.83 m. (A.D.) , at 12.00 Hours , on Oct 3, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -1.86 m. (A.D.)

Left Bank Elevation 6.08 m. (A.D.) ,

Right Bank Elevation 6.48 m. (A.D.) , Drainage Are 562 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 2.40 | 2.80 | 2.80 | 14.20 | 65.30 | 19.40 | 3.70 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 2.40 | 2.80 | 2.80 | 15.40 | 40.10 | 68.00 | 3.60 | 2.50 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 2.40 | 2.80 | 2.90 | 12.00 | 25.40 | 154.40 | 3.40 | 2.50 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 2.40 | 2.80 | 2.80 | 7.00 | 16.40 | 109.20 | 3.30 | 2.40 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 2.40 | 2.80 | 2.70 | 5.80 | 12.80 | 63.50 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 2.40 | 2.80 | 3.00 | 5.00 | 12.00 | 56.00 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 2.40 | 2.80 | 3.40 | 4.40 | 9.60 | 49.70 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 2.40 | 2.80 | 3.50 | 4.10 | 6.80 | 41.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 2.40 | 2.80 | 3.50 | 4.20 | 4.60 | 50.30 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 2.40 | 2.80 | 3.40 | 4.00 | 4.90 | 65.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 2.40 | 0.28 | 3.50 | 3.40 | 9.60 | 53.90 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 2.40 | 2.80 | 4.10 | 3.60 | 9.00 | 36.50 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 2.40 | 2.70 | 5.00 | 8.80 | 19.70 | 27.20 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 2.40 | 2.70 | 4.20 | 20.60 | 40.40 | 24.20 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 2.40 | 2.60 | 3.60 | 30.50 | 41.60 | 19.70 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 2.40 | 2.50 | 3.20 | 27.20 | 34.10 | 14.80 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 2.40 | 2.40 | 3.00 | 23.00 | 37.40 | 10.60 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 2.40 | 2.50 | 1.19 | 23.00 | 41.60 | 8.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 2.40 | 2.50 | 0.28 | 11.80 | 45.80 | 9.80 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 2.40 | 2.50 | 0.93 | 9.00 | 43.10 | 10.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 2.80 | 2.60 | 1.50 | 8.00 | 32.60 | 9.20 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 3.20 | 2.60 | 4.30 | 11.80 | 23.00 | 7.20 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 3.40 | 2.70 | 4.60 | 10.00 | 20.60 | 6.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 3.40 | 2.70 | 5.00 | 8.40 | 16.00 | 5.60 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 3.00 | 2.80 | 6.60 | 9.00 | 13.60 | 5.80 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 3.00 | 2.90 | 5.20 | 18.80 | 20.00 | 5.80 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 2.40 | 3.00 | 3.00 | 4.70 | 27.50 | 16.00 | 4.60 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 2.40 | 3.00 | 2.90 | 5.40 | 22.40 | 15.80 | 4.20 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 2.40 | 3.00 | 2.80 | 4.80 | 23.90 | 23.90 | 4.10 | 2.60 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 2.40 | 3.00 | 2.80 | 4.60 | 64.40 | 20.90 | 4.00 | 2.60 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 2.80 | | 5.00 | 89.20 | | 3.80 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 9.60 | 81.60 | 79.28 | 111.50 | 530.40 | 722.60 | 951.50 | 85.30 | 10.00 | 0.00 | 0.00 | 0.00 | 2581.78 | CMSDAY |
| Mean | 0.32 | 2.63 | 2.64 | 3.60 | 17.11 | 24.09 | 30.69 | 2.84 | 0.32 | 0.00 | 0.00 | 0.00 | 7.07 | CMSDAY |
| Max | 2.40 | 3.40 | 3.00 | 6.60 | 89.20 | 65.30 | 154.40 | 3.70 | 2.60 | 0.00 | 0.00 | 0.00 | 154.40 | CMSDAY |
| Min | 0.00 | 2.40 | 0.28 | 0.28 | 3.40 | 4.60 | 3.80 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMSDAY |
| Runoff | 0.83 | 7.05 | 6.85 | 9.63 | 45.83 | 62.43 | 82.21 | 7.37 | 0.86 | 0.00 | 0.00 | 0.00 | 223.07 | MCM |

Momentary Peak 171.50 CMS. at 4.83 m. (A.D.) at 12.00 Hours , on Oct 3, 2006

Runoff Yield 12.59 Liters/Second/Square KM. Momentary Peak Yield 305.16 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Takhong at Vaccine Serum Office, Nakhon Ratchasima (M.89)

Lat 14 - 41 - 39 N Long 101 - 25 - 00 E

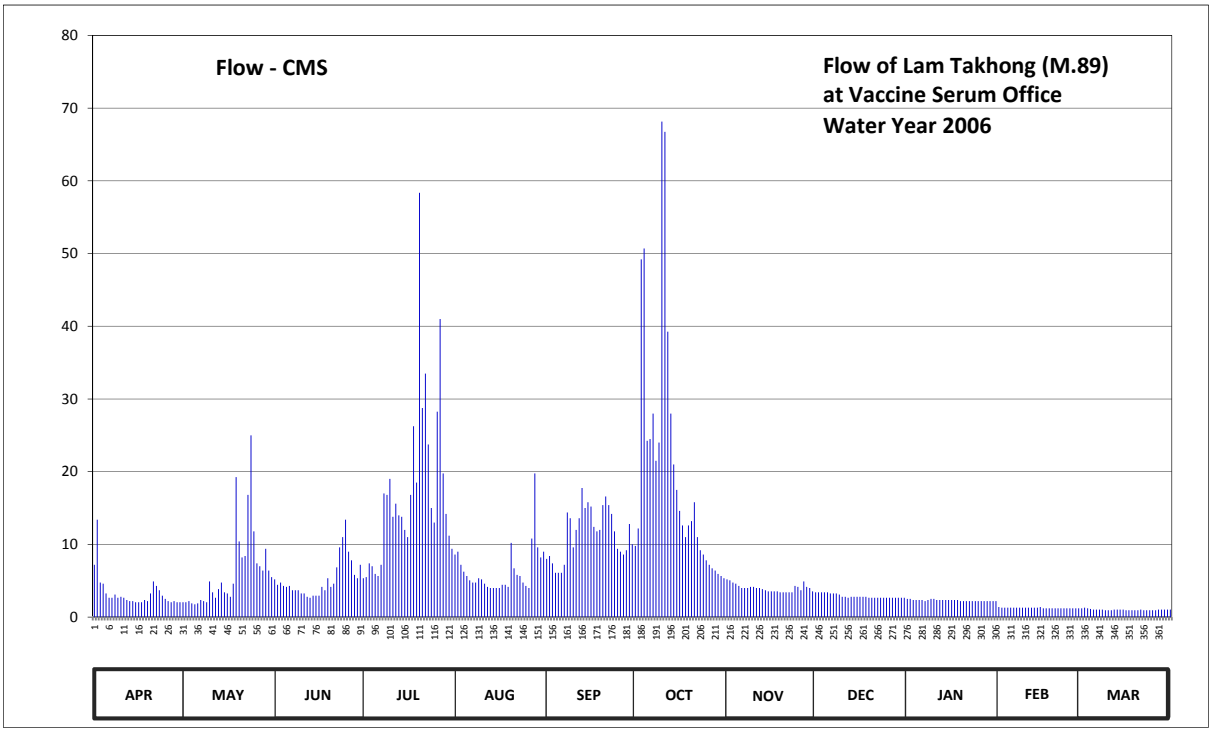
**Location : on left bank at the bridge infront of Vaccine Serum Office.**

| | | | | |
|---|---|---|---|---|
| | **Ban** - | **Amphoe** Pak Chong | **Changwat** | Nakhon Ratchasima |
| **Drainge Area** | 713 sq.km. | | | |
| **Type of Gage** | Water - stage recorder. | | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | | |
| **Bench Mark** | B.M.-H.D. | | | |
| **Location BM** | On left bank at the abutment of the bridge. | | **Elevation** | +9.065 m. (A.D.) |
| **Gage Reading Frequency** | Recording. | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | |
| **Period of Available Gage Records** | 1970 to date | | | |
| **Rating Operation** | | | | |
| **Period of Rating** | 1971 to date | | | |
| **Rated by Flot** | - | | | |
| **Rated by Current Meter** | 1971 to date | | | |
| **Stability of Channel Regimes** | Stable. | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | |
| **General Description** | Records good. Stage-discharge relation defined by 65 discharge measurements made in 2006. | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.61 | 1.27 | 1.48 | 1.49 | 1.68 | 1.65 | 1.74 | 1.48 | 1.36 | 1.30 | 1.28 | 1.26 | |
| 2 | 1.92 | 1.27 | 1.43 | 1.50 | 1.70 | 1.67 | 1.86 | 1.47 | 1.36 | 1.30 | 1.27 | 1.27 | |
| 3 | 1.45 | 1.28 | 1.45 | 1.62 | 1.61 | 1.62 | 3.34 | 1.45 | 1.36 | 1.29 | 1.27 | 1.26 | |
| 4 | 1.44 | 1.26 | 1.42 | 1.60 | 1.55 | 1.54 | 3.39 | 1.44 | 1.36 | 1.29 | 1.27 | 1.25 | |
| 5 | 1.35 | 1.25 | 1.41 | 1.53 | 1.51 | 1.54 | 2.39 | 1.42 | 1.36 | 1.29 | 1.27 | 1.24 | |
| 6 | 1.31 | 1.26 | 1.42 | 1.51 | 1.47 | 1.54 | 2.40 | 1.40 | 1.35 | 1.29 | 1.27 | 1.24 | |
| 7 | 1.31 | 1.29 | 1.38 | 1.61 | 1.45 | 1.61 | 2.54 | 1.40 | 1.35 | 1.28 | 1.27 | 1.24 | |
| 8 | 1.34 | 1.28 | 1.38 | 2.10 | 1.45 | 1.97 | 2.28 | 1.40 | 1.35 | 1.29 | 1.27 | 1.24 | |
| 9 | 1.31 | 1.27 | 1.38 | 2.09 | 1.49 | 1.93 | 2.38 | 1.41 | 1.34 | 1.30 | 1.27 | 1.23 | |
| 10 | 1.32 | 1.46 | 1.35 | 2.18 | 1.48 | 1.73 | 3.89 | 1.41 | 1.32 | 1.30 | 1.27 | 1.23 | |
| 11 | 1.31 | 1.36 | 1.35 | 1.94 | 1.44 | 1.85 | 3.85 | 1.40 | 1.32 | 1.29 | 1.27 | 1.23 | |
| 12 | 1.29 | 1.31 | 1.32 | 2.03 | 1.41 | 1.93 | 2.99 | 1.40 | 1.31 | 1.29 | 1.27 | 1.24 | |
| 13 | 1.28 | 1.39 | 1.31 | 1.95 | 1.40 | 2.13 | 2.54 | 1.39 | 1.32 | 1.29 | 1.27 | 1.24 | |
| 14 | 1.28 | 1.45 | 1.33 | 1.94 | 1.40 | 2.00 | 2.26 | 1.38 | 1.32 | 1.29 | 1.27 | 1.24 | |
| 15 | 1.27 | 1.36 | 1.33 | 1.85 | 1.40 | 2.04 | 2.12 | 1.37 | 1.32 | 1.29 | 1.28 | 1.24 | |
| 16 | 1.27 | 1.35 | 1.33 | 1.80 | 1.40 | 2.01 | 1.98 | 1.37 | 1.32 | 1.29 | 1.26 | 1.23 | |
| 17 | 1.27 | 1.32 | 1.41 | 2.09 | 1.43 | 1.87 | 1.88 | 1.37 | 1.32 | 1.29 | 1.26 | 1.23 | |
| 18 | 1.29 | 1.44 | 1.38 | 2.47 | 1.43 | 1.84 | 1.80 | 1.37 | 1.32 | 1.29 | 1.26 | 1.23 | |
| 19 | 1.28 | 2.19 | 1.49 | 2.16 | 1.41 | 1.85 | 1.88 | 1.36 | 1.31 | 1.28 | 1.26 | 1.23 | |
| 20 | 1.35 | 1.77 | 1.41 | 3.61 | 1.76 | 2.02 | 1.91 | 1.36 | 1.31 | 1.28 | 1.26 | 1.23 | |
| 21 | 1.46 | 1.66 | 1.44 | 2.57 | 1.58 | 2.08 | 2.04 | 1.36 | 1.31 | 1.28 | 1.26 | 1.24 | |
| 22 | 1.42 | 1.67 | 1.59 | 2.76 | 1.52 | 2.02 | 1.80 | 1.36 | 1.31 | 1.28 | 1.26 | 1.23 | |
| 23 | 1.38 | 2.09 | 1.73 | 2.37 | 1.51 | 1.96 | 1.71 | 1.36 | 1.31 | 1.28 | 1.26 | 1.23 | |
| 24 | 1.33 | 2.42 | 1.80 | 2.00 | 1.45 | 1.84 | 1.68 | 1.42 | 1.31 | 1.28 | 1.26 | 1.23 | |
| 25 | 1.30 | 1.84 | 1.92 | 1.90 | 1.42 | 1.72 | 1.64 | 1.41 | 1.31 | 1.28 | 1.26 | 1.23 | |
| 26 | 1.28 | 1.62 | 1.70 | 2.55 | 1.40 | 1.70 | 1.61 | 1.38 | 1.31 | 1.28 | 1.26 | 1.23 | |
| 27 | 1.27 | 1.60 | 1.64 | 3.06 | 1.79 | 1.68 | 1.58 | 1.46 | 1.31 | 1.28 | 1.26 | 1.24 | |
| 28 | 1.28 | 1.56 | 1.52 | 2.21 | 2.21 | 1.71 | 1.56 | 1.41 | 1.31 | 1.28 | 1.26 | 1.24 | |
| 29 | 1.27 | 1.72 | 1.49 | 1.96 | 1.73 | 1.89 | 1.53 | 1.40 | 1.31 | 1.28 | | 1.24 | |
| 30 | 1.27 | 1.56 | 1.61 | 1.81 | 1.66 | 1.75 | 1.51 | 1.37 | 1.31 | 1.28 | | 1.24 | |
| 31 | | 1.50 | | 1.72 | 1.70 | | 1.49 | | 1.31 | 1.28 | | 1.24 | |
| Mean | 1.35 | 1.52 | 1.47 | 2.06 | 1.54 | 1.82 | 2.18 | 1.40 | 1.33 | 1.29 | 1.27 | 1.24 | |
| Max | 1.92 | 2.42 | 1.92 | 3.61 | 2.21 | 2.13 | 3.89 | 1.48 | 1.36 | 1.30 | 1.28 | 1.27 | 3.89 |
| Min | 1.27 | 1.25 | 1.31 | 1.49 | 1.40 | 1.54 | 1.49 | 1.36 | 1.31 | 1.28 | 1.26 | 1.23 | 1.23 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 4.56 | m. (A.D.) , | at 22.00 Hours , on Oct 10, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.32 | m. (A.D.) |
| Left Bank Elevation | 7.16 | m. (A.D.) , | | | |
| Right Bank Elevation | 7.30 | m. (A.D.) , | Drainage Are | 713 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.20 | 2.05 | 5.20 | 5.35 | 8.60 | 8.00 | 9.80 | 5.20 | 3.40 | 2.50 | 1.38 | 1.20 | | |
| 2 | 13.40 | 2.05 | 4.45 | 5.50 | 9.00 | 8.40 | 12.20 | 5.05 | 3.40 | 2.50 | 1.29 | 1.29 | | |
| 3 | 4.75 | 2.20 | 4.75 | 7.40 | 7.20 | 7.40 | 49.20 | 4.75 | 3.40 | 2.35 | 1.29 | 1.20 | | |
| 4 | 4.60 | 1.90 | 4.30 | 7.00 | 6.25 | 6.10 | 50.70 | 4.60 | 3.40 | 2.35 | 1.29 | 1.12 | | |
| 5 | 3.25 | 1.75 | 4.15 | 5.95 | 5.65 | 6.10 | 24.25 | 4.30 | 3.40 | 2.35 | 1.29 | 1.03 | | |
| 6 | 2.65 | 1.90 | 4.30 | 5.65 | 5.05 | 6.10 | 24.50 | 4.00 | 3.25 | 2.35 | 1.29 | 1.03 | | |
| 7 | 2.65 | 2.35 | 3.70 | 7.20 | 4.75 | 7.20 | 28.00 | 4.00 | 3.25 | 2.20 | 1.29 | 1.03 | | |
| 8 | 3.10 | 2.20 | 3.70 | 17.00 | 4.75 | 14.40 | 21.50 | 4.00 | 3.25 | 2.35 | 1.29 | 1.03 | | |
| 9 | 2.65 | 2.05 | 3.70 | 16.80 | 5.35 | 13.60 | 24.00 | 4.15 | 3.10 | 2.50 | 1.29 | 0.94 | | |
| 10 | 2.80 | 4.90 | 3.25 | 19.00 | 5.20 | 9.60 | 68.15 | 4.15 | 2.80 | 2.50 | 1.29 | 0.94 | | |
| 11 | 2.65 | 3.40 | 3.25 | 13.80 | 4.60 | 12.00 | 66.75 | 4.00 | 2.80 | 2.35 | 1.29 | 0.94 | | |
| 12 | 2.35 | 2.65 | 2.80 | 15.60 | 4.15 | 13.60 | 39.25 | 4.00 | 2.65 | 2.35 | 1.29 | 1.03 | | |
| 13 | 2.20 | 3.85 | 2.65 | 14.00 | 4.00 | 17.75 | 28.00 | 3.85 | 2.80 | 2.35 | 1.29 | 1.03 | | |
| 14 | 2.20 | 4.75 | 2.95 | 13.80 | 4.00 | 15.00 | 21.00 | 3.70 | 2.80 | 2.35 | 1.29 | 1.03 | | |
| 15 | 2.05 | 3.40 | 2.95 | 12.00 | 4.00 | 15.80 | 17.50 | 3.55 | 2.80 | 2.35 | 1.38 | 1.03 | | |
| 16 | 2.05 | 3.25 | 2.95 | 11.00 | 4.00 | 15.20 | 14.60 | 3.55 | 2.80 | 2.35 | 1.20 | 0.94 | | |
| 17 | 2.05 | 2.80 | 4.15 | 16.80 | 4.45 | 12.40 | 12.60 | 3.55 | 2.80 | 2.35 | 1.20 | 0.94 | | |
| 18 | 2.35 | 4.60 | 3.70 | 26.25 | 4.45 | 11.80 | 11.00 | 3.55 | 2.80 | 2.35 | 1.20 | 0.94 | | |
| 19 | 2.20 | 19.25 | 5.35 | 18.50 | 4.15 | 12.00 | 12.60 | 3.40 | 2.65 | 2.20 | 1.20 | 0.94 | | |
| 20 | 3.25 | 10.40 | 4.15 | 58.35 | 10.20 | 15.40 | 13.20 | 3.40 | 2.65 | 2.20 | 1.20 | 0.94 | | |
| 21 | 4.90 | 8.20 | 4.60 | 28.75 | 6.70 | 16.60 | 15.80 | 3.40 | 2.65 | 2.20 | 1.20 | 1.03 | | |
| 22 | 4.30 | 8.40 | 6.85 | 33.50 | 5.80 | 15.40 | 11.00 | 3.40 | 2.65 | 2.20 | 1.20 | 0.94 | | |
| 23 | 3.70 | 16.80 | 9.60 | 23.75 | 5.65 | 14.20 | 9.20 | 3.40 | 2.65 | 2.20 | 1.20 | 0.94 | | |
| 24 | 2.95 | 25.00 | 11.00 | 15.00 | 4.75 | 11.80 | 8.60 | 4.30 | 2.65 | 2.20 | 1.20 | 0.94 | | |
| 25 | 2.50 | 11.80 | 13.40 | 13.00 | 4.30 | 9.40 | 7.80 | 4.15 | 2.65 | 2.20 | 1.20 | 0.94 | | |
| 26 | 2.20 | 7.40 | 9.00 | 28.25 | 4.00 | 9.00 | 7.20 | 3.70 | 2.65 | 2.20 | 1.20 | 0.94 | | |
| 27 | 2.05 | 7.00 | 7.80 | 41.00 | 10.80 | 8.60 | 6.70 | 4.90 | 2.65 | 2.20 | 1.20 | 1.03 | | |
| 28 | 2.20 | 6.40 | 5.80 | 19.75 | 19.75 | 9.20 | 6.40 | 4.15 | 2.65 | 2.20 | 1.20 | 1.03 | | |
| 29 | 2.05 | 9.40 | 5.35 | 14.20 | 9.60 | 12.80 | 5.95 | 4.00 | 2.65 | 2.20 | | 1.03 | | |
| 30 | 2.05 | 6.40 | 7.20 | 11.20 | 8.20 | 10.00 | 5.65 | 3.55 | 2.65 | 2.20 | | 1.03 | | |
| 31 | | 5.50 | | 9.40 | 9.00 | | 5.35 | | 2.65 | 2.20 | | 1.03 | | |
| Total | 99.30 | 194.00 | 157.00 | 534.75 | 198.35 | 344.85 | 638.45 | 119.70 | 89.35 | 71.35 | 35.13 | 31.45 | 2513.68 | CMSDAY |
| Mean | 3.31 | 6.26 | 5.23 | 17.25 | 6.40 | 11.50 | 20.60 | 3.99 | 2.88 | 2.30 | 1.25 | 1.01 | 6.89 | CMS |
| Max | 13.40 | 25.00 | 13.40 | 58.35 | 19.75 | 17.75 | 68.15 | 5.20 | 3.40 | 2.50 | 1.38 | 1.29 | 68.15 | CMS |
| Min | 2.05 | 1.75 | 2.65 | 5.35 | 4.00 | 6.10 | 5.35 | 3.40 | 2.65 | 2.20 | 1.20 | 0.94 | 0.94 | CMS |
| Runoff | 8.58 | 16.76 | 13.56 | 46.20 | 17.14 | 29.80 | 55.16 | 10.34 | 7.72 | 6.16 | 3.04 | 2.72 | 217.18 | MCM |

Momentary Peak 92.20 CMS. at 4.56 m. (A.D.) at 22.00 Hours , on Oct 10, 2006

Runoff Yield 9.66 Liters/Second/Square KM. Momentary Peak Yield 129.31 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Wang Prat, Buri Ram (M.104)

Lat 15 - 26 - 02 N Long 103 - 00 - 59 E

**Location : on left bank at the bridge.**

| | |
|---|---|
| | **Ban** Wang Prat **Amphoe** Khu Mueang **Changwat** Buri Ram |
| **Drainge Area** | 24,841 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the footpath of the bridge. **Elevation** +10.579 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 2005 to date |
| **Rating Operation** | |
| **Period of Rating** | 2005 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2005 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +5.260 m.(A.D.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

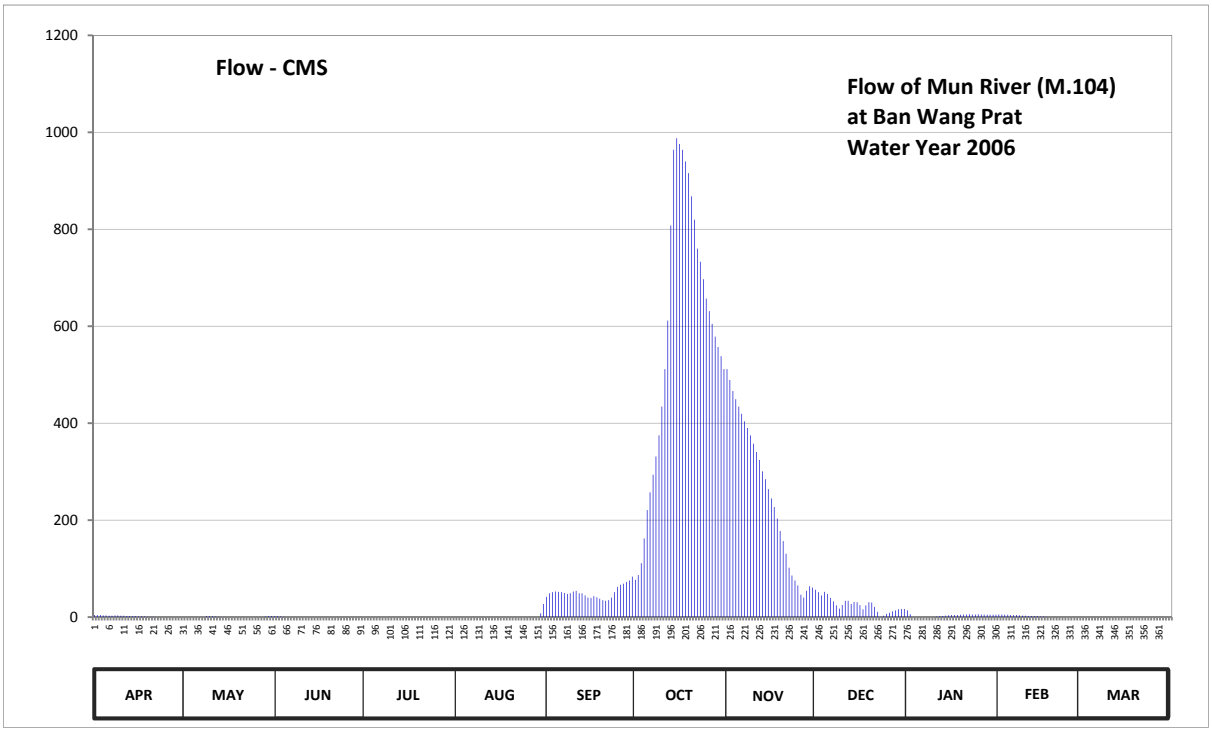
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.17 | 2.06 | 2.13 | 1.67 | 1.17 | 2.80 | 3.38 | 5.81 | 3.04 | 2.33 | 2.19 | 2.05 | |
| 2 | 2.17 | 2.06 | 2.13 | 1.64 | 1.25 | 2.92 | 3.48 | 5.76 | 2.96 | 2.20 | 2.19 | 2.05 | |
| 3 | 2.17 | 2.06 | 2.12 | 1.60 | 1.29 | 2.96 | 3.67 | 5.71 | 2.85 | 2.10 | 2.18 | 2.04 | |
| 4 | 2.16 | 2.05 | 2.11 | 1.57 | 1.31 | 2.98 | 4.06 | 5.65 | 2.97 | 2.05 | 2.18 | 2.03 | |
| 5 | 2.16 | 2.05 | 2.10 | 1.52 | 1.32 | 2.97 | 4.43 | 5.59 | 2.90 | 2.00 | 2.17 | 2.03 | |
| 6 | 2.15 | 2.06 | 2.08 | 1.48 | 1.26 | 2.96 | 4.66 | 5.53 | 2.76 | 2.02 | 2.17 | 2.02 | |
| 7 | 2.15 | 2.08 | 2.07 | 1.47 | 1.22 | 2.93 | 4.87 | 5.46 | 2.64 | 2.06 | 2.17 | 2.02 | |
| 8 | 2.16 | 2.07 | 2.05 | 1.43 | 1.18 | 2.90 | 5.08 | 5.39 | 2.50 | 2.08 | 2.16 | 2.01 | |
| 9 | 2.16 | 2.13 | 2.00 | 1.39 | 1.16 | 2.92 | 5.31 | 5.31 | 2.39 | 2.03 | 2.15 | 2.01 | |
| 10 | 2.15 | 2.13 | 1.95 | 1.34 | 1.12 | 2.98 | 5.59 | 5.22 | 2.52 | 2.10 | 2.15 | 2.00 | |
| 11 | 2.15 | 2.13 | 1.90 | 1.29 | 1.10 | 3.00 | 5.81 | 5.13 | 2.66 | 2.12 | 2.14 | 2.00 | |
| 12 | 2.14 | 2.12 | 1.86 | 1.25 | 1.08 | 2.92 | 6.01 | 5.04 | 2.66 | 2.13 | 2.14 | 1.99 | |
| 13 | 2.14 | 2.11 | 1.87 | 1.22 | 1.08 | 2.92 | 6.24 | 4.91 | 2.55 | 2.14 | 2.13 | 1.99 | |
| 14 | 2.13 | 2.10 | 1.88 | 1.19 | 1.10 | 2.85 | 6.37 | 4.82 | 2.62 | 2.15 | 2.13 | 1.98 | |
| 15 | 2.13 | 2.10 | 1.88 | 1.17 | 1.14 | 2.77 | 6.39 | 4.70 | 2.61 | 2.16 | 2.12 | 1.97 | |
| 16 | 2.12 | 2.10 | 1.86 | 1.14 | 1.19 | 2.76 | 6.38 | 4.58 | 2.51 | 2.17 | 2.12 | 1.96 | |
| 17 | 2.13 | 2.10 | 1.85 | 1.11 | 1.23 | 2.82 | 6.37 | 4.47 | 2.37 | 2.17 | 2.11 | 1.95 | |
| 18 | 2.12 | 2.08 | 1.84 | 1.08 | 1.27 | 2.78 | 6.35 | 4.32 | 2.50 | 2.17 | 2.10 | 1.95 | |
| 19 | 2.11 | 2.07 | 1.83 | 1.06 | 1.30 | 2.73 | 6.33 | 4.16 | 2.61 | 2.18 | 2.09 | 1.94 | |
| 20 | 2.11 | 2.09 | 1.82 | 1.04 | 1.30 | 2.68 | 6.29 | 4.02 | 2.60 | 2.19 | 2.09 | 1.93 | |
| 21 | 2.11 | 2.10 | 1.81 | 1.06 | 1.31 | 2.66 | 6.25 | 3.82 | 2.45 | 2.19 | 2.09 | 1.92 | |
| 22 | 2.10 | 2.10 | 1.80 | 1.06 | 1.34 | 2.68 | 6.20 | 3.60 | 2.28 | 2.20 | 2.07 | 1.91 | |
| 23 | 2.10 | 2.10 | 1.77 | 1.05 | 1.34 | 2.77 | 6.17 | 3.47 | 2.11 | 2.19 | 2.07 | 1.90 | |
| 24 | 2.09 | 2.10 | 1.75 | 1.04 | 1.34 | 2.96 | 6.13 | 3.36 | 2.15 | 2.19 | 2.07 | 1.90 | |
| 25 | 2.09 | 2.10 | 1.74 | 1.08 | 1.34 | 3.14 | 6.08 | 3.19 | 2.21 | 2.20 | 2.06 | 1.94 | |
| 26 | 2.08 | 2.09 | 1.73 | 1.07 | 1.37 | 3.21 | 6.04 | 2.87 | 2.25 | 2.19 | 2.06 | 1.94 | |
| 27 | 2.08 | 2.09 | 1.71 | 1.07 | 1.38 | 3.25 | 6.00 | 2.77 | 2.30 | 2.19 | 2.06 | 1.93 | |
| 28 | 2.07 | 2.09 | 1.69 | 1.07 | 1.59 | 3.31 | 5.95 | 3.01 | 2.33 | 2.18 | 2.06 | 1.93 | |
| 29 | 2.07 | 2.12 | 1.72 | 1.08 | 1.88 | 3.36 | 5.91 | 3.16 | 2.37 | 2.18 | | 1.92 | |
| 30 | 2.06 | 2.13 | 1.69 | 1.08 | 2.23 | 3.45 | 5.87 | 3.12 | 2.38 | 2.18 | | 1.91 | |
| 31 | | 2.14 | | 1.09 | 2.55 | | 5.81 | | 2.38 | 2.18 | | 1.90 | |
| Mean | 2.12 | 2.09 | 1.89 | 1.24 | 1.35 | 2.94 | 5.60 | 4.46 | 2.53 | 2.15 | 2.12 | 1.97 | |
| Max | 2.17 | 2.14 | 2.13 | 1.67 | 2.55 | 3.45 | 6.39 | 5.81 | 3.04 | 2.33 | 2.19 | 2.05 | 6.39 |
| Min | 2.06 | 2.05 | 1.69 | 1.04 | 1.08 | 2.66 | 3.38 | 2.77 | 2.11 | 2.00 | 2.06 | 1.90 | 1.04 |

Annual Max Momentary Gage Height 6.39 m. (A.D.) , at 06.00 Hours , on Oct 15 , 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -3.10 m. (A.D.)

Left Bank Elevation 5.26 m. (A.D.) ,

Right Bank Elevation 7.04 m. (A.D.) , Drainage Are 24841 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.20 | 0.00 | 1.80 | 0.00 | 0.00 | 42.00 | 76.80 | 511.50 | 56.40 | 13.80 | 5.40 | 0.00 | | |
| 2 | 4.20 | 0.00 | 1.80 | 0.00 | 0.00 | 49.20 | 86.80 | 489.00 | 51.60 | 6.00 | 5.40 | 0.00 | | |
| 3 | 4.20 | 0.00 | 1.20 | 0.00 | 0.00 | 51.60 | 111.10 | 466.50 | 45.00 | 0.00 | 4.80 | 0.00 | | |
| 4 | 3.60 | 0.00 | 0.60 | 0.00 | 0.00 | 52.80 | 162.40 | 449.50 | 52.20 | 0.00 | 4.80 | 0.00 | | |
| 5 | 3.60 | 0.00 | 0.00 | 0.00 | 0.00 | 52.20 | 220.80 | 434.50 | 48.00 | 0.00 | 4.20 | 0.00 | | |
| 6 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51.60 | 257.60 | 419.50 | 39.60 | 0.00 | 4.20 | 0.00 | | |
| 7 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.80 | 293.60 | 404.00 | 32.40 | 0.00 | 4.20 | 0.00 | | |
| 8 | 3.60 | 0.00 | 0.00 | 0.00 | 0.00 | 48.00 | 331.40 | 390.10 | 24.00 | 0.00 | 3.60 | 0.00 | | |
| 9 | 3.60 | 1.80 | 0.00 | 0.00 | 0.00 | 49.20 | 374.90 | 374.90 | 17.40 | 0.00 | 3.00 | 0.00 | | |
| 10 | 3.00 | 1.80 | 0.00 | 0.00 | 0.00 | 52.80 | 434.50 | 357.80 | 25.20 | 0.00 | 3.00 | 0.00 | | |
| 11 | 3.00 | 1.80 | 0.00 | 0.00 | 0.00 | 54.00 | 511.50 | 340.70 | 33.60 | 1.20 | 2.40 | 0.00 | | |
| 12 | 2.40 | 1.20 | 0.00 | 0.00 | 0.00 | 49.20 | 611.50 | 324.20 | 33.60 | 1.80 | 2.40 | 0.00 | | |
| 13 | 2.40 | 0.60 | 0.00 | 0.00 | 0.00 | 49.20 | 808.00 | 300.80 | 27.00 | 2.40 | 1.80 | 0.00 | | |
| 14 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 45.00 | 964.00 | 284.60 | 31.20 | 3.00 | 1.80 | 0.00 | | |
| 15 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 40.20 | 988.00 | 264.00 | 30.60 | 3.60 | 1.20 | 0.00 | | |
| 16 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 39.60 | 976.00 | 244.80 | 24.60 | 4.20 | 1.20 | 0.00 | | |
| 17 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 43.20 | 964.00 | 227.20 | 16.20 | 4.20 | 0.60 | 0.00 | | |
| 18 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 40.80 | 940.00 | 203.20 | 24.00 | 4.20 | 0.00 | 0.00 | | |
| 19 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 37.80 | 916.00 | 177.60 | 30.60 | 4.80 | 0.00 | 0.00 | | |
| 20 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 34.80 | 868.00 | 156.80 | 30.00 | 5.40 | 0.00 | 0.00 | | |
| 21 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 33.60 | 820.00 | 130.60 | 21.00 | 5.40 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.80 | 760.00 | 102.00 | 10.80 | 6.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.20 | 733.00 | 85.70 | 0.60 | 5.40 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51.60 | 697.00 | 75.60 | 3.00 | 5.40 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.40 | 657.00 | 65.40 | 6.60 | 6.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.60 | 631.00 | 46.20 | 9.00 | 5.40 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.00 | 605.00 | 40.20 | 12.00 | 5.40 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 72.60 | 578.50 | 54.60 | 13.80 | 4.80 | 0.00 | 0.00 | | |
| 29 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 75.60 | 557.30 | 63.60 | 16.20 | 4.80 | | 0.00 | | |
| 30 | 0.00 | 1.80 | 0.00 | 0.00 | 7.80 | 83.50 | 538.50 | 61.20 | 16.80 | 4.80 | | 0.00 | | |
| 31 | | 2.40 | | 0.00 | 27.00 | | 511.50 | | 16.80 | 4.80 | | 0.00 | | |
| Total | 53.40 | 12.60 | 5.40 | 0.00 | 34.80 | 1522.90 | 17985.70 | 7546.30 | 799.80 | 112.80 | 54.00 | 0.00 | 28127.70 | CMSDAY |
| Mean | 1.78 | 0.41 | 0.18 | 0.00 | 1.12 | 50.76 | 580.18 | 251.54 | 25.80 | 3.64 | 1.93 | 0.00 | 77.06 | CMS |
| Max | 4.20 | 2.40 | 1.80 | 0.00 | 27.00 | 83.50 | 988.00 | 511.50 | 56.40 | 13.80 | 5.40 | 0.00 | 988.00 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.60 | 76.80 | 40.20 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 4.61 | 1.09 | 0.47 | 0.00 | 3.01 | 131.58 | 1553.96 | 652.00 | 69.10 | 9.75 | 4.67 | 0.00 | 2430.23 | MCM |

Momentary Peak 988.00 CMS. at 6.39 m. (A.D.) at 06.00 Hours , on Oct 15, 2006

Runoff Yield 3.10 Liters/Second/Square KM. Momentary Peak Yield 39.77 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Chakkarat at Ban Chakkarat, Nakhon Ratchasima (M.105)

Lat 15 - 00 - 42 N Long 102 - 24 - 25 E

**Location : On right bank at Ban Chakkarat.**

**Ban** Chakkarat **Amphoe** Chakkarat **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 1,300 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank near the gage site. **Elevation** +5.824 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1980 to date |
| **Rating Operation** | |
| **Period of Rating** | 1982 - 1985, 2001 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1982 - 1985, 2001 to date. |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +2.240 m.(A.D.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 6 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

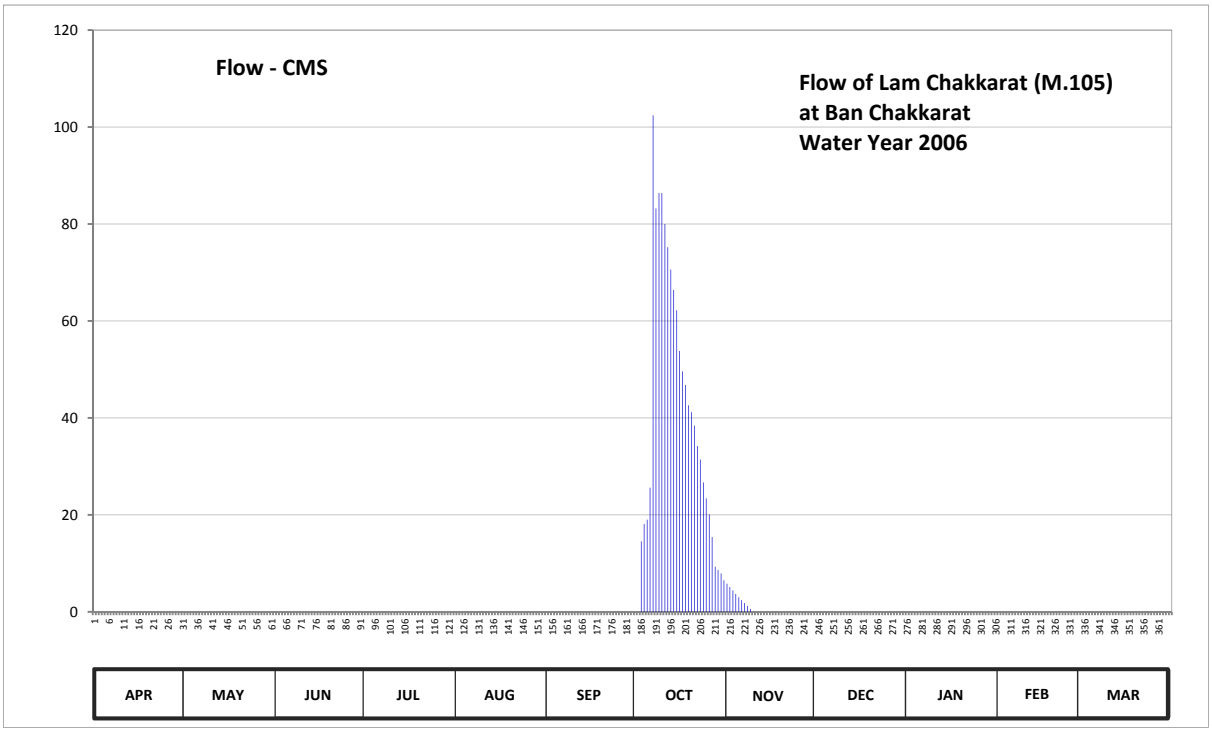
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.59 | 0.85 | 1.66 | 1.80 | 1.61 | 1.92 | 2.11 | 2.34 | 2.05 | 1.79 | 1.25 | 1.03 | |
| 2 | 0.58 | 0.84 | 1.60 | 1.79 | 1.62 | 1.93 | 2.25 | 2.33 | 2.04 | 1.79 | 1.23 | 1.03 | |
| 3 | 0.57 | 0.83 | 1.59 | 1.80 | 1.61 | 1.90 | 2.45 | 2.32 | 2.03 | 1.78 | 1.20 | 1.03 | |
| 4 | 0.56 | 0.82 | 1.58 | 1.79 | 1.60 | 1.80 | 2.49 | 2.31 | 2.02 | 1.78 | 1.19 | 1.03 | |
| 5 | 0.55 | 0.81 | 1.57 | 1.78 | 1.59 | 1.75 | 2.50 | 2.30 | 2.01 | 1.77 | 1.20 | 1.04 | |
| 6 | 0.54 | 0.80 | 1.56 | 1.77 | 1.58 | 1.74 | 2.56 | 2.29 | 2.00 | 1.76 | 1.20 | 1.05 | |
| 7 | 0.62 | 0.80 | 1.55 | 1.76 | 1.57 | 1.73 | 3.08 | 2.28 | 1.99 | 1.74 | 1.20 | 1.03 | |
| 8 | 0.78 | 0.79 | 1.54 | 1.76 | 1.56 | 1.72 | 2.97 | 2.27 | 1.98 | 1.69 | 1.20 | 1.00 | |
| 9 | 0.77 | 0.78 | 1.53 | 1.75 | 1.51 | 1.71 | 2.99 | 2.26 | 1.97 | 1.69 | 1.19 | 0.99 | |
| 10 | 0.76 | 0.78 | 1.52 | 1.74 | 1.54 | 1.72 | 2.99 | 2.25 | 1.95 | 1.68 | 1.19 | 0.99 | |
| 11 | 0.75 | 0.77 | 1.51 | 1.75 | 1.53 | 1.75 | 2.95 | 2.25 | 1.95 | 1.67 | 1.18 | 0.98 | |
| 12 | 0.74 | 0.98 | 1.49 | 1.76 | 1.52 | 1.74 | 2.92 | 2.24 | 1.94 | 1.66 | 1.18 | 0.98 | |
| 13 | 0.73 | 0.97 | 1.37 | 1.77 | 1.51 | 1.73 | 2.89 | 2.23 | 1.93 | 1.64 | 1.17 | 0.97 | |
| 14 | 0.70 | 0.96 | 1.37 | 1.76 | 1.50 | 1.72 | 2.86 | 2.21 | 1.92 | 1.47 | 1.17 | 0.97 | |
| 15 | 0.71 | 0.95 | 1.37 | 1.75 | 1.49 | 1.72 | 2.83 | 2.21 | 1.91 | 1.24 | 1.17 | 0.96 | |
| 16 | 0.72 | 0.94 | 1.35 | 1.74 | 1.49 | 1.74 | 2.77 | 2.20 | 1.89 | 1.24 | 1.16 | 0.96 | |
| 17 | 0.73 | 0.94 | 1.42 | 1.73 | 1.48 | 1.77 | 2.74 | 2.19 | 1.87 | 1.23 | 1.16 | 0.95 | |
| 18 | 0.72 | 0.98 | 1.44 | 1.73 | 1.47 | 1.94 | 2.72 | 2.18 | 1.87 | 1.22 | 1.15 | 0.95 | |
| 19 | 0.76 | 1.12 | 1.43 | 1.72 | 1.46 | 1.86 | 2.69 | 2.17 | 1.87 | 1.25 | 1.15 | 0.94 | |
| 20 | 0.84 | 1.25 | 1.42 | 1.71 | 1.45 | 1.85 | 2.68 | 2.16 | 1.86 | 1.29 | 1.14 | 0.94 | |
| 21 | 0.83 | 1.23 | 1.52 | 1.74 | 1.44 | 1.84 | 2.66 | 2.15 | 1.86 | 1.31 | 1.14 | 0.93 | |
| 22 | 0.82 | 1.22 | 1.60 | 1.73 | 1.43 | 1.83 | 2.63 | 2.14 | 1.86 | 1.32 | 1.13 | 0.93 | |
| 23 | 0.81 | 1.39 | 1.63 | 1.72 | 1.42 | 1.82 | 2.61 | 2.13 | 1.85 | 1.32 | 1.11 | 0.92 | |
| 24 | 0.80 | 1.65 | 1.66 | 1.71 | 1.42 | 1.81 | 2.57 | 2.12 | 1.85 | 1.32 | 1.09 | 0.91 | |
| 25 | 0.79 | 1.64 | 1.69 | 1.70 | 1.41 | 1.82 | 2.54 | 2.11 | 1.85 | 1.32 | 1.07 | 0.80 | |
| 26 | 0.78 | 1.63 | 1.70 | 1.69 | 1.40 | 1.84 | 2.51 | 2.10 | 1.84 | 1.31 | 1.05 | 0.80 | |
| 27 | 0.77 | 1.62 | 1.71 | 1.68 | 1.37 | 1.85 | 2.46 | 2.09 | 1.84 | 1.30 | 1.04 | 0.79 | |
| 28 | 0.78 | 1.61 | 1.74 | 1.67 | 1.34 | 1.87 | 2.39 | 2.08 | 1.83 | 1.28 | 1.03 | 0.70 | |
| 29 | 0.79 | 1.60 | 1.77 | 1.66 | 1.33 | 1.90 | 2.38 | 2.07 | 1.82 | 1.27 | | 0.62 | |
| 30 | 0.82 | 1.59 | 1.82 | 1.63 | 1.56 | 2.06 | 2.37 | 2.06 | 1.81 | 1.26 | | 0.58 | |
| 31 | | 1.61 | | 1.55 | 1.91 | | 2.35 | | 1.80 | 1.26 | | 0.53 | |
| Mean | 0.72 | 1.12 | 1.56 | 1.73 | 1.51 | 1.81 | 2.64 | 2.20 | 1.91 | 1.47 | 1.15 | 0.91 | |
| Max | 0.84 | 1.65 | 1.82 | 1.80 | 1.91 | 2.06 | 3.08 | 2.34 | 2.05 | 1.79 | 1.25 | 1.05 | 3.08 |
| Min | 0.54 | 0.77 | 1.35 | 1.55 | 1.33 | 1.71 | 2.11 | 2.06 | 1.80 | 1.22 | 1.03 | 0.53 | 0.53 |

Annual Max Momentary Gage Height 3.15 m. (A.D.) , at 12.00 Hours , on Oct 7 , 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 1.11 m. (A.D)

Left Bank Elevation 2.88 m. (A.D.) ,

Right Bank Elevation 2.23 m. (A.D.) , Drainage Are 1,300 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.50 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.10 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.60 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 102.40 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 83.20 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.40 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 80.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 70.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.60 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 0.00 | | 6.50 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1245.90 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1273.90 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.19 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 3.49 | CMS |
| Max | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 102.40 | 5.80 | 0.00 | 0.00 | 0.00 | 0.00 | 102.40 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.65 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 110.06 | MCM |

Momentary Peak 115.00 CMS. at 3.15 m. (A.D.) at 12.00 Hours , on Oct 7, 2006

Runoff Yield 2.68 Liters/Second/Square KM. Momentary Peak Yield 88.46 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Tunglung at Ban Don Yai, Ubon Ratchathani (M.110)

Lat 15 - 26 - 36 N Long 105 - 18 - 30 E

**Location : on left bank at the bridge on trakan Phutphon - Khong Chiam Highway.**

**Ban** Don Yai **Amphoe** Si Mueang Mai **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 570 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the footpath of the bridge. **Elevation** +10.400 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1982 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +3.240 m.(A.D.), records are channel flow only. |
| **General Description** | Records fair. The weirs situated about 10 kilometers upstream and downstream from the gage site Stage-discharge relation defined by 27 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

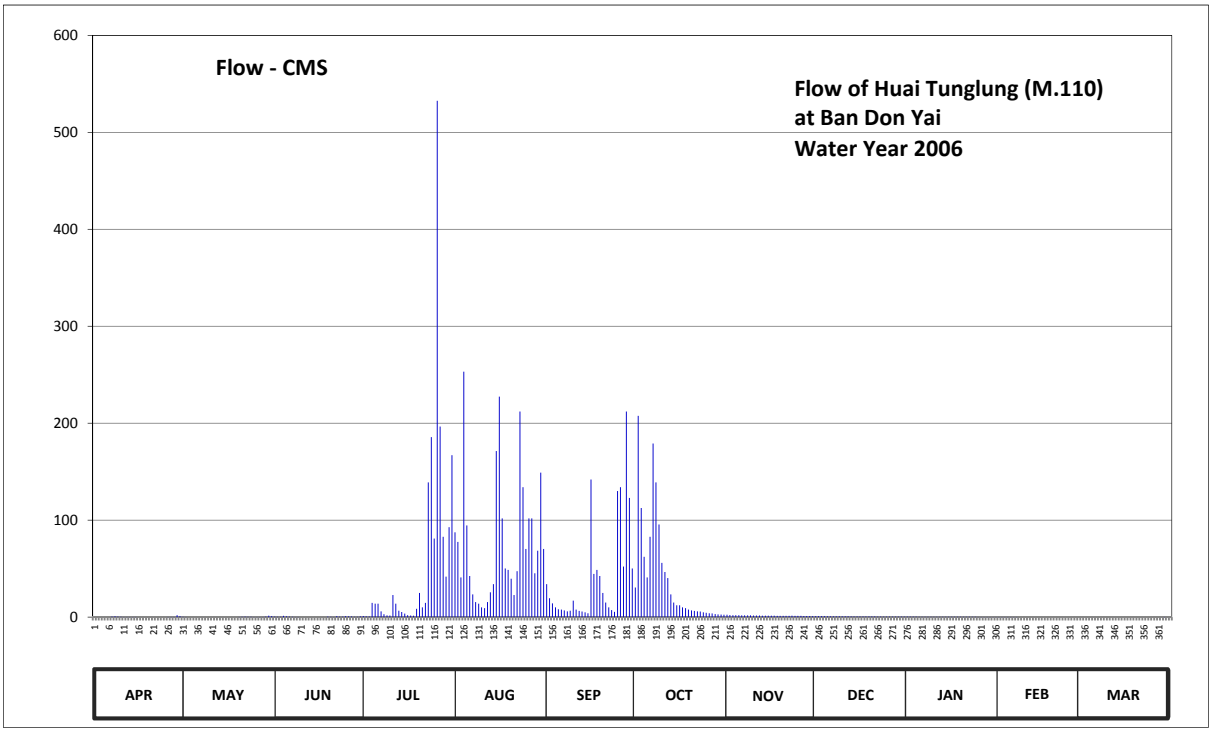
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.40 | -0.33 | -0.30 | -0.17 | 1.46 | 0.80 | 0.75 | 0.02 | -0.21 | -0.30 | -0.38 | -0.42 | |
| 2 | -0.40 | -0.38 | -0.32 | -0.25 | 1.35 | 0.59 | 2.66 | 0.01 | -0.22 | -0.30 | -0.38 | -0.42 | |
| 3 | -0.40 | -0.40 | -0.35 | -0.26 | 0.90 | 0.48 | 1.74 | -0.01 | -0.22 | -0.30 | -0.38 | -0.42 | |
| 4 | -0.41 | -0.40 | -0.13 | 0.49 | 3.06 | 0.37 | 1.18 | -0.02 | -0.22 | -0.31 | -0.38 | -0.41 | |
| 5 | -0.41 | -0.40 | -0.24 | 0.47 | 1.54 | 0.30 | 0.90 | -0.02 | -0.24 | -0.32 | -0.38 | -0.41 | |
| 6 | -0.42 | -0.40 | -0.30 | 0.47 | 0.92 | 0.29 | 1.41 | -0.03 | -0.24 | -0.32 | -0.38 | -0.41 | |
| 7 | -0.30 | -0.41 | -0.35 | 0.20 | 0.65 | 0.25 | 2.40 | -0.03 | -0.24 | -0.32 | -0.38 | -0.41 | |
| 8 | -0.24 | -0.41 | -0.37 | 0.05 | 0.51 | 0.20 | 2.01 | -0.04 | -0.24 | -0.33 | -0.39 | -0.41 | |
| 9 | -0.30 | -0.42 | -0.38 | -0.03 | 0.47 | 0.23 | 1.55 | -0.04 | -0.24 | -0.33 | -0.40 | -0.41 | |
| 10 | -0.35 | -0.42 | -0.40 | -0.08 | 0.37 | 0.54 | 1.11 | -0.06 | -0.25 | -0.33 | -0.41 | -0.41 | |
| 11 | -0.36 | -0.42 | -0.40 | 0.64 | 0.34 | 0.29 | 0.98 | -0.07 | -0.25 | -0.34 | -0.41 | -0.41 | |
| 12 | -0.37 | -0.42 | -0.40 | 0.47 | 0.51 | 0.22 | 0.89 | -0.08 | -0.25 | -0.34 | -0.41 | -0.41 | |
| 13 | -0.37 | -0.42 | -0.40 | 0.23 | 0.68 | 0.19 | 0.65 | -0.09 | -0.26 | -0.34 | -0.41 | -0.41 | |
| 14 | -0.38 | -0.42 | -0.40 | 0.16 | 0.80 | 0.15 | 0.50 | -0.11 | -0.26 | -0.34 | -0.41 | -0.42 | |
| 15 | -0.38 | -0.42 | -0.40 | 0.08 | 2.33 | 0.10 | 0.43 | -0.12 | -0.26 | -0.34 | -0.41 | -0.42 | |
| 16 | -0.39 | -0.42 | -0.40 | -0.02 | 2.84 | 2.04 | 0.43 | -0.12 | -0.26 | -0.34 | -0.41 | -0.42 | |
| 17 | -0.40 | -0.42 | -0.40 | -0.07 | 1.62 | 0.95 | 0.37 | -0.12 | -0.26 | -0.34 | -0.41 | -0.42 | |
| 18 | -0.41 | -0.42 | -0.40 | -0.10 | 1.03 | 1.01 | 0.34 | -0.13 | -0.26 | -0.34 | -0.41 | -0.42 | |
| 19 | -0.41 | -0.42 | -0.29 | 0.32 | 1.01 | 0.92 | 0.29 | -0.14 | -0.27 | -0.34 | -0.41 | -0.40 | |
| 20 | -0.41 | -0.36 | -0.34 | 0.67 | 0.88 | 0.67 | 0.25 | -0.14 | -0.28 | -0.34 | -0.41 | -0.42 | |
| 21 | -0.41 | -0.32 | -0.36 | 0.37 | 0.64 | 0.50 | 0.22 | -0.15 | -0.28 | -0.34 | -0.42 | -0.42 | |
| 22 | -0.42 | -0.30 | -0.22 | 0.49 | 0.99 | 0.37 | 0.20 | -0.15 | -0.29 | -0.34 | -0.42 | -0.42 | |
| 23 | -0.42 | -0.33 | -0.30 | 2.01 | 2.70 | 0.26 | 0.19 | -0.12 | -0.30 | -0.35 | -0.42 | -0.42 | |
| 24 | -0.42 | -0.35 | -0.30 | 2.46 | 1.96 | 0.17 | 0.15 | -0.14 | -0.30 | -0.35 | -0.42 | -0.42 | |
| 25 | -0.42 | -0.36 | -0.19 | 1.39 | 1.27 | 1.92 | 0.12 | -0.15 | -0.30 | -0.36 | -0.42 | -0.42 | |
| 26 | -0.36 | -0.36 | -0.23 | 4.61 | 1.62 | 1.96 | 0.10 | -0.15 | -0.30 | -0.36 | -0.42 | -0.43 | |
| 27 | -0.36 | -0.38 | -0.28 | 2.56 | 1.62 | 1.06 | 0.09 | -0.16 | -0.30 | -0.37 | -0.42 | -0.43 | |
| 28 | -0.38 | -0.38 | -0.32 | 1.41 | 0.96 | 2.70 | 0.06 | -0.17 | -0.30 | -0.37 | -0.42 | -0.41 | |
| 29 | 0.00 | -0.30 | -0.34 | 0.91 | 1.25 | 1.85 | 0.04 | -0.18 | -0.30 | -0.38 | | -0.37 | |
| 30 | -0.22 | -0.11 | -0.24 | 1.52 | 2.11 | 1.03 | 0.03 | -0.20 | -0.30 | -0.38 | | -0.39 | |
| 31 | | -0.22 | | 2.29 | 1.27 | | 0.02 | | -0.30 | -0.38 | | -0.39 | |
| Mean | -0.36 | -0.37 | -0.33 | 0.75 | 1.28 | 0.75 | 0.71 | -0.10 | -0.26 | -0.34 | -0.40 | -0.41 | |
| Max | 0.00 | -0.11 | -0.13 | 4.61 | 3.06 | 2.70 | 2.66 | 0.02 | -0.21 | -0.30 | -0.38 | -0.37 | 4.61 |
| Min | -0.42 | -0.42 | -0.40 | -0.26 | 0.34 | 0.10 | 0.02 | -0.20 | -0.30 | -0.38 | -0.42 | -0.43 | -0.43 |

Annual Max Momentary Gage Height 4.85 m. (A.D.) , at 12.00 Hours , on Jul 26, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.53 m. (A.D.) ,

Left Bank Elevation 3.23 m. (A.D.) ,

Right Bank Elevation 4.60 m. (A.D.) , Drainage Are 570 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.35 | 0.50 | 1.15 | 87.40 | 34.00 | 30.50 | 2.40 | 0.95 | 0.50 | 0.10 | 0.00 | | |
| 2 | 0.00 | 0.10 | 0.40 | 0.75 | 77.50 | 19.50 | 207.60 | 2.20 | 0.90 | 0.50 | 0.10 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.25 | 0.70 | 41.00 | 14.20 | 112.60 | 1.95 | 0.90 | 0.50 | 0.10 | 0.00 | | |
| 4 | 0.00 | 0.00 | 1.35 | 14.60 | 253.20 | 10.10 | 62.20 | 1.90 | 0.90 | 0.45 | 0.10 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.80 | 13.80 | 94.60 | 8.00 | 41.00 | 1.90 | 0.80 | 0.40 | 0.10 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.50 | 13.80 | 42.40 | 7.80 | 82.90 | 1.85 | 0.80 | 0.40 | 0.10 | 0.00 | | |
| 7 | 0.50 | 0.00 | 0.25 | 6.00 | 23.50 | 7.00 | 179.00 | 1.85 | 0.80 | 0.40 | 0.10 | 0.00 | | |
| 8 | 0.80 | 0.00 | 0.15 | 3.00 | 15.50 | 6.00 | 139.00 | 1.80 | 0.80 | 0.35 | 0.05 | 0.00 | | |
| 9 | 0.50 | 0.00 | 0.10 | 1.85 | 13.80 | 6.60 | 95.50 | 1.80 | 0.80 | 0.35 | 0.00 | 0.00 | | |
| 10 | 0.25 | 0.00 | 0.00 | 1.60 | 10.10 | 17.00 | 55.90 | 1.70 | 0.75 | 0.35 | 0.00 | 0.00 | | |
| 11 | 0.20 | 0.00 | 0.00 | 22.80 | 9.20 | 7.80 | 46.60 | 1.65 | 0.75 | 0.30 | 0.00 | 0.00 | | |
| 12 | 0.15 | 0.00 | 0.00 | 13.80 | 15.50 | 6.40 | 40.30 | 1.60 | 0.75 | 0.30 | 0.00 | 0.00 | | |
| 13 | 0.15 | 0.00 | 0.00 | 6.60 | 25.60 | 5.80 | 23.50 | 1.55 | 0.70 | 0.30 | 0.00 | 0.00 | | |
| 14 | 0.10 | 0.00 | 0.00 | 5.20 | 34.00 | 5.00 | 15.00 | 1.45 | 0.70 | 0.30 | 0.00 | 0.00 | | |
| 15 | 0.10 | 0.00 | 0.00 | 3.60 | 171.30 | 4.00 | 12.20 | 1.40 | 0.70 | 0.30 | 0.00 | 0.00 | | |
| 16 | 0.05 | 0.00 | 0.00 | 1.90 | 227.40 | 142.00 | 12.20 | 1.40 | 0.70 | 0.30 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 1.65 | 101.80 | 44.50 | 10.10 | 1.40 | 0.70 | 0.30 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 1.50 | 50.10 | 48.70 | 9.20 | 1.35 | 0.70 | 0.30 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.55 | 8.60 | 48.70 | 42.40 | 7.80 | 1.30 | 0.65 | 0.30 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.20 | 0.30 | 24.90 | 39.60 | 24.90 | 7.00 | 1.30 | 0.60 | 0.30 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.40 | 0.20 | 10.10 | 22.80 | 15.00 | 6.40 | 1.25 | 0.60 | 0.30 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.50 | 0.90 | 14.60 | 47.30 | 10.10 | 6.00 | 1.25 | 0.55 | 0.30 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.35 | 0.50 | 139.00 | 212.00 | 7.20 | 5.80 | 1.40 | 0.50 | 0.25 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.25 | 0.50 | 185.60 | 134.00 | 5.40 | 5.00 | 1.30 | 0.50 | 0.25 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.20 | 1.05 | 81.10 | 70.30 | 130.00 | 4.40 | 1.25 | 0.50 | 0.20 | 0.00 | 0.00 | | |
| 26 | 0.20 | 0.20 | 0.85 | 532.60 | 101.80 | 134.00 | 4.00 | 1.25 | 0.50 | 0.20 | 0.00 | 0.00 | | |
| 27 | 0.20 | 0.10 | 0.60 | 196.60 | 101.80 | 52.20 | 3.80 | 1.20 | 0.50 | 0.15 | 0.00 | 0.00 | | |
| 28 | 0.10 | 0.10 | 0.40 | 82.90 | 45.20 | 212.00 | 3.20 | 1.15 | 0.50 | 0.15 | 0.00 | 0.00 | | |
| 29 | 2.00 | 0.50 | 0.30 | 41.70 | 68.50 | 123.00 | 2.80 | 1.10 | 0.50 | 0.10 | | 0.15 | | |
| 30 | 0.90 | 1.45 | 0.80 | 92.80 | 149.00 | 50.10 | 2.60 | 1.00 | 0.50 | 0.10 | | 0.05 | | |
| 31 | | 0.90 | | 167.00 | 70.30 | | 2.40 | | 0.50 | 0.10 | | 0.05 | | |
| Total | 6.20 | 5.60 | 11.25 | 1691.80 | 2405.20 | 1200.70 | 1236.50 | 45.90 | 21.00 | 9.30 | 0.75 | 0.25 | 6634.45 | CMSDAY |
| Mean | 0.21 | 0.18 | 0.38 | 54.57 | 77.59 | 40.02 | 39.89 | 1.53 | 0.68 | 0.30 | 0.03 | 0.01 | 18.18 | CMS |
| Max | 2.00 | 1.45 | 1.35 | 532.60 | 253.20 | 212.00 | 207.60 | 2.40 | 0.95 | 0.50 | 0.10 | 0.15 | 532.60 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.70 | 9.20 | 4.00 | 2.40 | 1.00 | 0.50 | 0.10 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.54 | 0.48 | 0.97 | 146.17 | 207.81 | 103.74 | 106.83 | 3.97 | 1.81 | 0.80 | 0.06 | 0.02 | 573.22 | MCM |

Momentary Peak 598.00 CMS, at 4.85 m. (A.D.) , at 12.00 Hours , on Jul 26, 2006

Runoff Yield 31.89 Liters/Second/Square KM. Momentary Peak Yield 1049.12 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Takhong at Ban Khok Yai, Buri Ram (M.112)

Lat 15 - 11 - 46 N Long 103 - 12 - 22 E

**Location : on left bank at the bridge on highway at Ban Khok Yai.**

**Ban** Khok Yai **Amphoe** Satuk **Changwat** Buri Ram

| | |
|---|---|
| **Drainge Area** | 1,232 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 5 meters from the gage site. **Elevation** +9.129 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1982 to date |
| **Rating Operation** | |
| **Period of Rating** | 1983 - 1987, 1998 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1983 - 1987, 1998 to date. |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +5.260 m.(A.D.) and is including overbank flow. |
| **General Description** | Records good. Ban Don Mon weir situated downstream from the gage site. Stage-discharge relation defined by 21 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

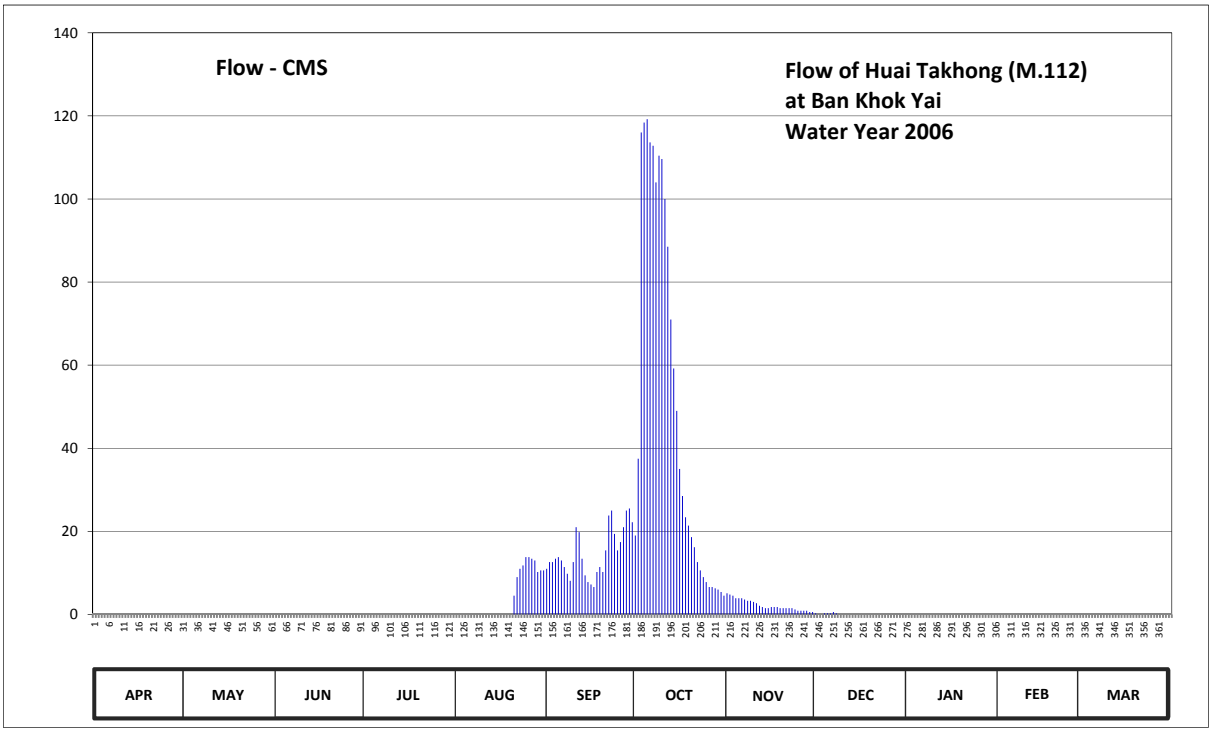
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.35 | 3.18 | 3.02 | 2.70 | 3.01 | 4.95 | 5.15 | 4.77 | 4.61 | 4.35 | 4.03 | 3.69 | |
| 2 | 3.33 | 3.17 | 3.01 | 2.69 | 3.23 | 4.99 | 5.55 | 4.76 | 4.60 | 4.34 | 4.02 | 3.68 | |
| 3 | 3.31 | 3.16 | 2.99 | 2.68 | 3.30 | 4.99 | 6.70 | 4.75 | 4.60 | 4.33 | 4.00 | 3.67 | |
| 4 | 3.29 | 3.16 | 2.98 | 2.67 | 3.33 | 5.01 | 6.73 | 4.73 | 4.61 | 4.32 | 3.98 | 3.66 | |
| 5 | 3.28 | 3.15 | 2.97 | 2.66 | 3.34 | 5.02 | 6.74 | 4.73 | 4.61 | 4.31 | 3.97 | 3.65 | |
| 6 | 3.27 | 3.15 | 2.96 | 2.65 | 3.35 | 5.00 | 6.67 | 4.73 | 4.61 | 4.31 | 3.96 | 3.63 | |
| 7 | 3.28 | 3.14 | 2.94 | 2.62 | 3.36 | 4.96 | 6.66 | 4.72 | 4.62 | 4.30 | 3.96 | 3.62 | |
| 8 | 3.31 | 3.13 | 2.91 | 2.59 | 3.34 | 4.92 | 6.55 | 4.71 | 4.61 | 4.29 | 3.95 | 3.61 | |
| 9 | 3.29 | 3.13 | 2.90 | 2.61 | 3.31 | 4.87 | 6.63 | 4.71 | 4.59 | 4.27 | 3.95 | 3.60 | |
| 10 | 3.29 | 3.12 | 2.90 | 2.62 | 3.27 | 4.99 | 6.62 | 4.70 | 4.58 | 4.26 | 3.92 | 3.59 | |
| 11 | 3.28 | 3.11 | 2.89 | 2.58 | 3.24 | 5.20 | 6.50 | 4.69 | 4.57 | 4.24 | 3.91 | 3.57 | |
| 12 | 3.27 | 3.10 | 2.88 | 2.57 | 3.21 | 5.17 | 6.35 | 4.67 | 4.56 | 4.23 | 3.89 | 3.55 | |
| 13 | 3.26 | 3.09 | 2.88 | 2.55 | 3.18 | 5.01 | 6.10 | 4.66 | 4.56 | 4.23 | 3.87 | 3.53 | |
| 14 | 3.25 | 3.08 | 2.88 | 2.54 | 3.16 | 4.91 | 5.92 | 4.65 | 4.55 | 4.22 | 3.86 | 3.53 | |
| 15 | 3.25 | 3.07 | 2.84 | 2.48 | 3.18 | 4.86 | 5.75 | 4.65 | 4.56 | 4.21 | 3.86 | 3.52 | |
| 16 | 3.29 | 3.05 | 2.82 | 2.48 | 3.27 | 4.84 | 5.50 | 4.66 | 4.59 | 4.20 | 3.86 | 3.50 | |
| 17 | 3.28 | 3.03 | 2.85 | 2.45 | 3.34 | 4.82 | 5.37 | 4.66 | 4.57 | 4.19 | 3.85 | 3.48 | |
| 18 | 3.27 | 3.03 | 2.86 | 2.41 | 3.58 | 4.93 | 5.26 | 4.66 | 4.55 | 4.18 | 3.84 | 3.47 | |
| 19 | 3.27 | 3.05 | 2.86 | 2.46 | 4.03 | 4.96 | 5.21 | 4.65 | 4.53 | 4.17 | 3.82 | 3.46 | |
| 20 | 3.26 | 3.10 | 2.85 | 2.46 | 4.54 | 4.93 | 5.14 | 4.65 | 4.49 | 4.16 | 3.80 | 3.44 | |
| 21 | 3.25 | 3.10 | 2.85 | 2.53 | 4.75 | 5.06 | 5.08 | 4.65 | 4.46 | 4.14 | 3.78 | 3.43 | |
| 22 | 3.24 | 3.09 | 2.85 | 2.53 | 4.90 | 5.27 | 4.99 | 4.65 | 4.45 | 4.13 | 3.77 | 3.43 | |
| 23 | 3.24 | 3.09 | 2.84 | 2.54 | 4.95 | 5.30 | 4.94 | 4.65 | 4.44 | 4.13 | 3.77 | 3.41 | |
| 24 | 3.23 | 3.08 | 2.83 | 2.59 | 4.97 | 5.16 | 4.90 | 4.64 | 4.43 | 4.12 | 3.76 | 3.40 | |
| 25 | 3.22 | 3.07 | 2.82 | 2.76 | 5.02 | 5.06 | 4.86 | 4.63 | 4.42 | 4.11 | 3.75 | 3.38 | |
| 26 | 3.21 | 3.06 | 2.81 | 2.82 | 5.02 | 5.11 | 4.82 | 4.63 | 4.41 | 4.10 | 3.73 | 3.36 | |
| 27 | 3.20 | 3.05 | 2.78 | 2.89 | 5.01 | 5.20 | 4.82 | 4.63 | 4.40 | 4.09 | 3.73 | 3.35 | |
| 28 | 3.19 | 3.05 | 2.75 | 2.97 | 5.00 | 5.30 | 4.81 | 4.63 | 4.39 | 4.08 | 3.71 | 3.34 | |
| 29 | 3.18 | 3.04 | 2.74 | 2.98 | 4.93 | 5.31 | 4.80 | 4.62 | 4.38 | 4.08 | | 3.40 | |
| 30 | 3.18 | 3.03 | 2.72 | 3.00 | 4.94 | 5.23 | 4.78 | 4.62 | 4.37 | 4.05 | | 3.40 | |
| 31 | | 3.03 | | 3.00 | 4.94 | | 4.75 | | 4.36 | 4.03 | | 3.39 | |
| Mean | 3.26 | 3.09 | 2.87 | 2.65 | 3.94 | 5.04 | 5.63 | 4.68 | 4.52 | 4.20 | 3.87 | 3.51 | |
| Max | 3.35 | 3.18 | 3.02 | 3.00 | 5.02 | 5.31 | 6.74 | 4.77 | 4.62 | 4.35 | 4.03 | 3.69 | 6.74 |
| Min | 3.18 | 3.03 | 2.72 | 2.41 | 3.01 | 4.82 | 4.75 | 4.62 | 4.36 | 4.03 | 3.71 | 3.34 | 2.41 |

Annual Max Momentary Gage Height 6.75 m. (A.D.) , at 09.00 Hours , on Oct 5, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.22 m. (A.D.) ,

Left Bank Elevation 5.80 m. (A.D.) ,

Right Bank Elevation 5.26 m. (A.D.) , Drainage Are 1,232 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.00 | 19.00 | 5.10 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.60 | 37.50 | 4.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.60 | 116.00 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.40 | 118.40 | 3.90 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.80 | 119.20 | 3.90 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 | 113.60 | 3.90 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.40 | 112.80 | 3.60 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.80 | 104.00 | 3.30 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.10 | 110.40 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.60 | 109.60 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.00 | 100.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.80 | 88.50 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.40 | 71.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.40 | 59.20 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.80 | 49.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.20 | 35.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.60 | 28.50 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.20 | 23.40 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.40 | 21.40 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.20 | 18.60 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 4.50 | 15.40 | 16.20 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 9.00 | 23.80 | 12.60 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 11.00 | 25.00 | 10.60 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 11.80 | 19.40 | 9.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 13.80 | 15.40 | 7.80 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 13.80 | 17.40 | 6.60 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 13.40 | 21.00 | 6.60 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 | 25.00 | 6.30 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 10.20 | 25.50 | 6.00 | 0.60 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 10.60 | 22.20 | 5.40 | 0.60 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 10.60 | | 4.50 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 121.70 | 445.40 | 1546.70 | 67.80 | 2.10 | 0.00 | 0.00 | 0.00 | 2183.70 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.00 | 0.00 | 3.93 | 14.85 | 49.89 | 2.26 | 0.07 | 0.00 | 0.00 | 0.00 | 5.98 | CMS |
| Max | 0.00 | 0.00 | 0.00 | 0.00 | 13.80 | 25.50 | 119.20 | 5.10 | 0.60 | 0.00 | 0.00 | 0.00 | 119.20 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.60 | 4.50 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.00 | 0.00 | 10.51 | 38.48 | 133.63 | 5.86 | 0.18 | 0.00 | 0.00 | 0.00 | 188.67 | MCM |

Momentary Peak 120.00 CMS, at 6.75 m. (A.D.) , at 09.00 Hours , on Oct 5, 2006

Runoff Yield 4.86 Liters/Second/Square KM. Momentary Peak Yield 97.40 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Chiang Sa at Ban Khok Sakae Rat , Nakhon Ratchasima (M.119)

Lat 14 - 36 - 17 N Long 102 - 01 - 58 E

**Location : on left bank at the bridge on Highway.**

**Ban** Khok Sakae Rat **Amphoe** Pak Thong Chai **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 327 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 4 meters from the top staff gage. **Elevation** +5.226 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1983 to date |
| **Rating Operation** | |
| **Period of Rating** | 1983 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1983 to date. |
| **Stability of Channel Regimes** | Fairly stable with variable water surface slope. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage discharge relation defined by 12 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

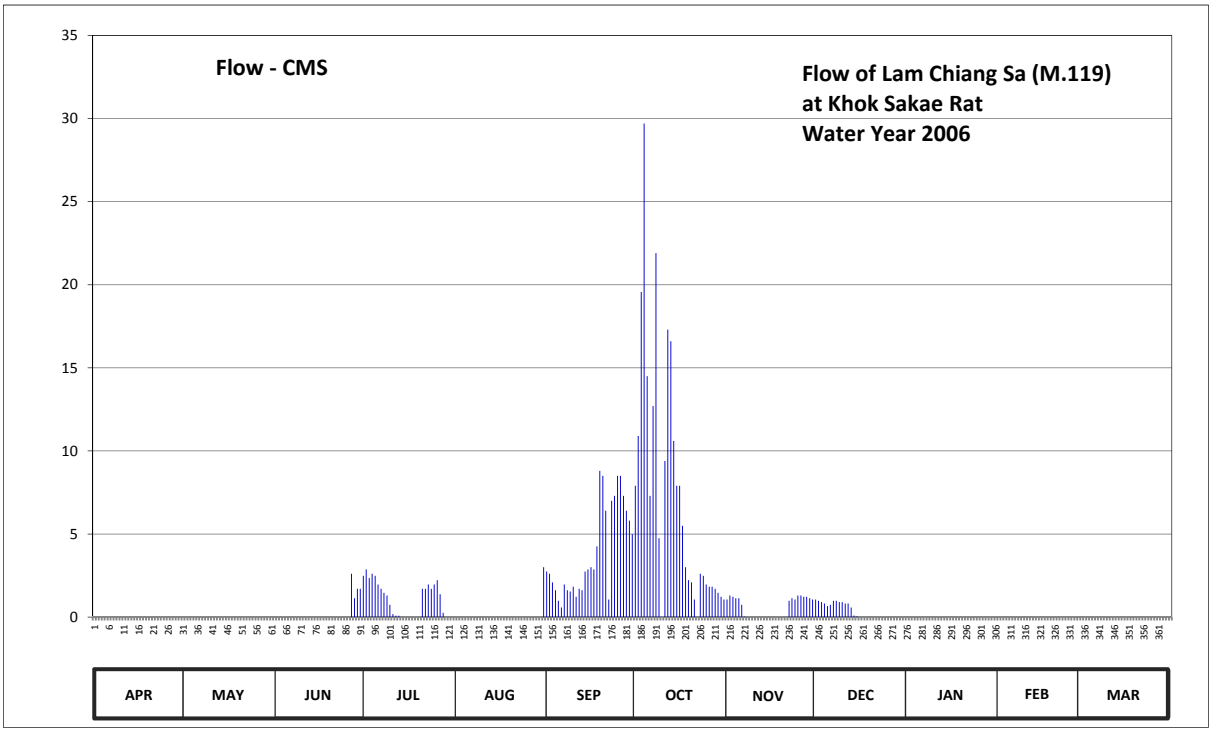
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.50 | 0.66 | 1.05 | 2.76 | 2.32 | 2.78 | 2.98 | 2.62 | 2.62 | 1.49 | 0.95 | 0.49 | |
| 2 | 0.52 | 0.66 | 1.07 | 2.79 | 2.31 | 2.77 | 3.08 | 2.65 | 2.61 | 1.51 | 0.90 | 0.49 | |
| 3 | 0.54 | 0.66 | 1.08 | 2.75 | 2.31 | 2.73 | 3.34 | 2.64 | 2.60 | 1.52 | 0.82 | 0.49 | |
| 4 | 0.57 | 0.66 | 1.07 | 2.77 | 2.24 | 2.69 | 3.60 | 2.63 | 2.59 | 1.46 | 0.85 | 0.49 | |
| 5 | 0.57 | 0.67 | 1.05 | 2.76 | 2.19 | 2.61 | 3.20 | 2.63 | 2.57 | 1.32 | 0.85 | 0.49 | |
| 6 | 0.52 | 0.70 | 1.03 | 2.72 | 2.14 | 2.56 | 2.96 | 2.58 | 2.58 | 1.30 | 0.78 | 0.49 | |
| 7 | 0.48 | 0.72 | 1.01 | 2.70 | 2.11 | 2.72 | 3.14 | 2.43 | 2.61 | 1.30 | 0.77 | 0.49 | |
| 8 | 0.61 | 0.73 | 1.00 | 2.67 | 1.95 | 2.69 | 3.40 | 2.20 | 2.61 | 1.31 | 0.77 | 0.50 | |
| 9 | 0.62 | 0.73 | 1.09 | 2.65 | 1.90 | 2.68 | 2.87 | 2.18 | 2.60 | 1.21 | 0.76 | 0.50 | |
| 10 | 0.61 | 0.74 | 1.14 | 2.58 | 1.89 | 2.71 | 2.39 | 2.15 | 2.60 | 1.10 | 0.72 | 0.48 | |
| 11 | 0.65 | 0.76 | 1.18 | 2.51 | 1.84 | 2.64 | 3.03 | 2.09 | 2.59 | 1.18 | 0.70 | 0.44 | |
| 12 | 0.68 | 0.83 | 1.21 | 2.49 | 1.77 | 2.70 | 3.28 | 2.08 | 2.59 | 1.18 | 0.71 | 0.43 | |
| 13 | 0.67 | 0.81 | 1.21 | 2.49 | 1.69 | 2.69 | 3.26 | 2.05 | 2.56 | 1.19 | 0.71 | 0.43 | |
| 14 | 0.65 | 0.81 | 1.20 | 2.40 | 1.66 | 2.78 | 3.07 | 2.03 | 2.50 | 1.19 | 0.71 | 0.42 | |
| 15 | 0.73 | 0.78 | 1.20 | 2.37 | 1.66 | 2.79 | 2.98 | 1.93 | 2.45 | 1.18 | 0.71 | 0.42 | |
| 16 | 0.75 | 0.77 | 1.20 | 2.35 | 1.61 | 2.80 | 2.98 | 2.06 | 2.40 | 1.18 | 0.70 | 0.41 | |
| 17 | 0.77 | 0.76 | 1.20 | 2.28 | 1.57 | 2.79 | 2.90 | 2.34 | 2.36 | 1.18 | 0.69 | 0.38 | |
| 18 | 0.76 | 0.76 | 1.26 | 2.15 | 1.56 | 2.85 | 2.80 | 2.37 | 2.28 | 1.18 | 0.68 | 0.38 | |
| 19 | 0.76 | 0.79 | 1.35 | 2.13 | 1.50 | 3.01 | 2.74 | 2.33 | 2.16 | 1.18 | 0.67 | 0.38 | |
| 20 | 0.76 | 0.83 | 1.41 | 2.11 | 1.49 | 3.00 | 2.73 | 2.30 | 2.04 | 1.16 | 0.67 | 0.40 | |
| 21 | 0.73 | 0.86 | 1.49 | 2.70 | 1.42 | 2.93 | 2.62 | 2.36 | 1.99 | 1.13 | 0.65 | 0.40 | |
| 22 | 0.71 | 0.87 | 1.50 | 2.70 | 1.41 | 2.62 | 2.31 | 2.61 | 1.95 | 1.11 | 0.64 | 0.39 | |
| 23 | 0.70 | 0.88 | 1.51 | 2.72 | 1.35 | 2.95 | 2.77 | 2.63 | 1.89 | 1.08 | 0.59 | 0.38 | |
| 24 | 0.69 | 0.87 | 1.51 | 2.70 | 1.30 | 2.96 | 2.76 | 2.62 | 1.83 | 1.05 | 0.59 | 0.37 | |
| 25 | 0.68 | 0.85 | 1.51 | 2.72 | 1.24 | 3.00 | 2.72 | 2.65 | 1.70 | 1.04 | 0.56 | 0.31 | |
| 26 | 0.68 | 0.83 | 1.90 | 2.74 | 1.19 | 3.00 | 2.71 | 2.65 | 1.62 | 1.04 | 0.56 | 0.29 | |
| 27 | 0.68 | 0.83 | 2.77 | 2.66 | 1.21 | 2.96 | 2.71 | 2.64 | 1.62 | 1.02 | 0.55 | 0.28 | |
| 28 | 0.69 | 0.83 | 2.63 | 2.52 | 1.26 | 2.93 | 2.70 | 2.64 | 1.61 | 1.01 | 0.52 | 0.27 | |
| 29 | 0.68 | 0.79 | 2.70 | 2.39 | 1.31 | 2.91 | 2.67 | 2.63 | 1.61 | 1.00 | | 0.26 | |
| 30 | 0.67 | 0.78 | 2.70 | 2.36 | 2.08 | 2.88 | 2.64 | 2.62 | 1.59 | 0.99 | | 0.26 | |
| 31 | | 0.99 | | 2.34 | 2.80 | | 2.62 | | 1.53 | 0.99 | | 0.25 | |
| Mean | 0.65 | 0.78 | 1.44 | 2.55 | 1.75 | 2.80 | 2.90 | 2.41 | 2.22 | 1.19 | 0.71 | 0.40 | |
| Max | 0.77 | 0.99 | 2.77 | 2.79 | 2.80 | 3.01 | 3.60 | 2.65 | 2.62 | 1.52 | 0.95 | 0.50 | 3.60 |
| Min | 0.48 | 0.66 | 1.00 | 2.11 | 1.19 | 2.56 | 2.31 | 1.93 | 1.53 | 0.99 | 0.52 | 0.25 | 0.25 |

Annual Max Momentary Gage Height 3.65 m. (A.D.) , at 18.00 Hours , on Oct 4, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.15 m. (A.D.) ,

Left Bank Elevation 6.31 m. (A.D.) ,

Right Bank Elevation 6.40 m. (A.D.) , Drainage Are 327 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 2.74 | 7.90 | 1.06 | 1.06 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 2.61 | 10.90 | 1.30 | 0.98 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 2.35 | 0.00 | 2.09 | 19.56 | 1.22 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 1.62 | 29.70 | 1.14 | 0.82 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.98 | 14.50 | 1.14 | 0.66 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 0.58 | 7.30 | 0.74 | 0.74 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 1.96 | 12.70 | 0.03 | 0.98 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 1.62 | 21.90 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 1.54 | 4.75 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.74 | 0.00 | 1.83 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 1.22 | 9.40 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 1.70 | 17.30 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 1.62 | 16.60 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 | 10.60 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 7.90 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 5.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.25 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.80 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.50 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 6.40 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 1.06 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 7.00 | 2.61 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 7.30 | 2.48 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 8.50 | 1.96 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 8.50 | 1.83 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 2.61 | 1.38 | 0.00 | 7.30 | 1.83 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 1.14 | 0.26 | 0.00 | 6.40 | 1.70 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 5.80 | 1.46 | 1.14 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 5.00 | 1.22 | 1.06 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 3.00 | | 1.06 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 7.15 | 33.19 | 3.00 | 118.40 | 228.93 | 17.05 | 11.29 | 0.00 | 0.00 | 0.00 | 419.01 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.24 | 1.07 | 0.10 | 3.95 | 7.38 | 0.57 | 0.36 | 0.00 | 0.00 | 0.00 | 1.15 | CMS |
| Max | 0.00 | 0.00 | 2.61 | 2.87 | 3.00 | 8.80 | 29.70 | 1.30 | 1.06 | 0.00 | 0.00 | 0.00 | 29.70 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.62 | 2.87 | 0.26 | 10.23 | 19.78 | 1.47 | 0.98 | 0.00 | 0.00 | 0.00 | 36.20 | MCM |

Momentary Peak 31.65 CMS, at 3.65 m. (A.D.) , at 18.00 Hours , on Oct 4, 2006

Runoff Yield 3.51 Liters/Second/Square KM. Momentary Peak Yield 96.79 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Ta Thieo at Ban Na Hai, Ubon Ratchathani (M.127)

Lat 15 - 38 - 37 N Long 104 - 55 - 57 E

**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Na Hai | **Amphoe** Trakan Phutphon | **Changwat** Ubon Ratchathani |
| **Drainge Area** | 424 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank downstream side at the abutment of the bridge. | **Elevation** | +11.514 m. (A.D.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1984 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1987 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1987 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. The weir situsted about 300 meters downstream from the gage site. Stage-discharge relation defined by 20 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

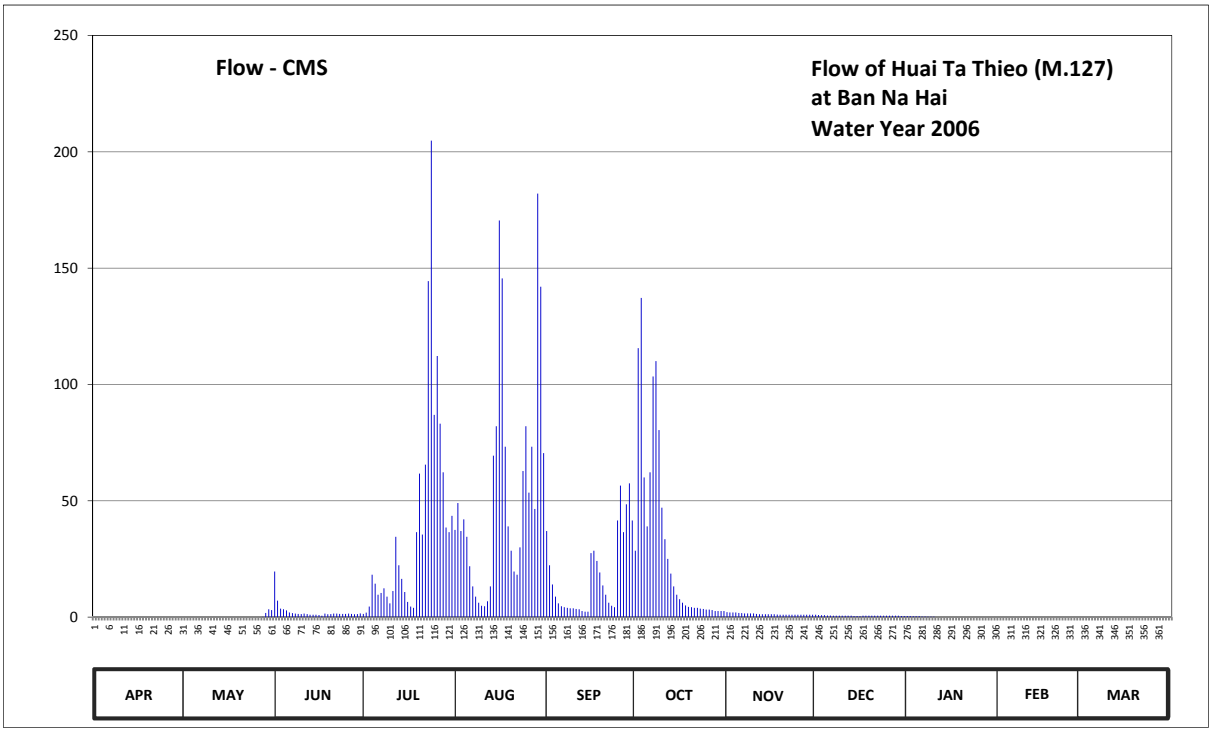
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.16 | 1.16 | 1.98 | 1.34 | 2.35 | 2.34 | 2.17 | 1.41 | 1.30 | 1.25 | 1.12 | 1.12 | |
| 2 | 1.16 | 1.16 | 1.67 | 1.39 | 2.58 | 2.04 | 3.81 | 1.40 | 1.29 | 1.25 | 1.11 | 1.12 | |
| 3 | 1.15 | 1.15 | 1.51 | 1.57 | 2.34 | 1.85 | 4.17 | 1.40 | 1.28 | 1.24 | 1.11 | 1.12 | |
| 4 | 1.15 | 1.15 | 1.49 | 1.95 | 2.44 | 1.72 | 2.80 | 1.40 | 1.28 | 1.24 | 1.10 | 1.11 | |
| 5 | 1.15 | 1.15 | 1.46 | 1.86 | 2.29 | 1.63 | 2.38 | 1.38 | 1.27 | 1.24 | 1.10 | 1.11 | |
| 6 | 1.15 | 1.14 | 1.40 | 1.74 | 2.03 | 1.58 | 2.84 | 1.37 | 1.27 | 1.23 | 1.10 | 1.10 | |
| 7 | 1.14 | 1.13 | 1.37 | 1.76 | 1.83 | 1.55 | 3.59 | 1.36 | 1.26 | 1.23 | 1.09 | 1.10 | |
| 8 | 1.14 | 1.13 | 1.35 | 1.81 | 1.72 | 1.53 | 3.71 | 1.36 | 1.26 | 1.22 | 1.09 | 1.10 | |
| 9 | 1.14 | 1.13 | 1.34 | 1.72 | 1.64 | 1.52 | 3.17 | 1.36 | 1.26 | 1.22 | 1.08 | 1.09 | |
| 10 | 1.14 | 1.12 | 1.33 | 1.63 | 1.59 | 1.52 | 2.54 | 1.36 | 1.26 | 1.22 | 1.08 | 1.09 | |
| 11 | 1.13 | 1.12 | 1.35 | 1.78 | 1.58 | 1.50 | 2.27 | 1.34 | 1.26 | 1.20 | 1.08 | 1.09 | |
| 12 | 1.13 | 1.10 | 1.33 | 2.29 | 1.66 | 1.49 | 2.10 | 1.32 | 1.26 | 1.20 | 1.07 | 1.08 | |
| 13 | 1.12 | 1.10 | 1.30 | 2.04 | 1.83 | 1.44 | 1.96 | 1.32 | 1.26 | 1.20 | 1.07 | 1.08 | |
| 14 | 1.12 | 1.09 | 1.30 | 1.91 | 2.97 | 1.42 | 1.83 | 1.32 | 1.25 | 1.19 | 1.07 | 1.08 | |
| 15 | 1.10 | 1.08 | 1.30 | 1.77 | 3.20 | 1.42 | 1.74 | 1.32 | 1.25 | 1.19 | 1.06 | 1.07 | |
| 16 | 1.08 | 1.05 | 1.29 | 1.65 | 4.72 | 2.15 | 1.69 | 1.32 | 1.24 | 1.19 | 1.06 | 1.07 | |
| 17 | 1.06 | 1.02 | 1.26 | 1.57 | 4.31 | 2.17 | 1.64 | 1.32 | 1.26 | 1.18 | 1.06 | 1.06 | |
| 18 | 1.06 | 1.02 | 1.35 | 1.53 | 3.04 | 2.08 | 1.60 | 1.31 | 1.26 | 1.17 | 1.05 | 1.05 | |
| 19 | 1.05 | 1.05 | 1.32 | 2.33 | 2.38 | 1.97 | 1.56 | 1.30 | 1.26 | 1.17 | 1.05 | 1.05 | |
| 20 | 1.05 | 1.04 | 1.33 | 2.83 | 2.17 | 1.84 | 1.55 | 1.30 | 1.26 | 1.16 | 1.05 | 1.05 | |
| 21 | 1.04 | 1.04 | 1.35 | 2.31 | 1.98 | 1.74 | 1.53 | 1.30 | 1.26 | 1.16 | 1.05 | 1.05 | |
| 22 | 1.04 | 1.03 | 1.35 | 2.90 | 1.95 | 1.64 | 1.53 | 1.30 | 1.26 | 1.16 | 1.05 | 1.05 | |
| 23 | 1.14 | 1.03 | 1.34 | 4.29 | 2.20 | 1.59 | 1.51 | 1.30 | 1.26 | 1.16 | 1.04 | 1.04 | |
| 24 | 1.14 | 1.04 | 1.34 | 5.25 | 2.85 | 1.55 | 1.50 | 1.30 | 1.26 | 1.15 | 1.04 | 1.04 | |
| 25 | 1.13 | 1.04 | 1.34 | 3.29 | 3.20 | 2.43 | 1.48 | 1.30 | 1.26 | 1.15 | 1.04 | 1.03 | |
| 26 | 1.13 | 1.03 | 1.35 | 3.75 | 2.67 | 2.73 | 1.48 | 1.30 | 1.26 | 1.14 | 1.13 | 1.02 | |
| 27 | 1.13 | 1.03 | 1.34 | 3.22 | 3.04 | 2.33 | 1.47 | 1.30 | 1.26 | 1.14 | 1.12 | 1.00 | |
| 28 | 1.13 | 1.21 | 1.32 | 2.84 | 2.53 | 2.57 | 1.44 | 1.30 | 1.26 | 1.13 | 1.12 | 0.99 | |
| 29 | 1.13 | 1.38 | 1.33 | 2.37 | 4.90 | 2.75 | 1.44 | 1.30 | 1.26 | 1.13 | | 0.99 | |
| 30 | 1.13 | 1.49 | 1.36 | 2.33 | 4.25 | 2.43 | 1.44 | 1.30 | 1.25 | 1.13 | | 0.99 | |
| 31 | | 1.47 | | 2.47 | 2.99 | | 1.44 | | 1.25 | 1.13 | | 1.09 | |
| Mean | 1.12 | 1.13 | 1.38 | 2.31 | 2.62 | 1.88 | 2.11 | 1.33 | 1.26 | 1.19 | 1.08 | 1.07 | |
| Max | 1.16 | 1.49 | 1.98 | 5.25 | 4.90 | 2.75 | 4.17 | 1.41 | 1.30 | 1.25 | 1.13 | 1.12 | 5.25 |
| Min | 1.04 | 1.02 | 1.26 | 1.34 | 1.58 | 1.42 | 1.44 | 1.30 | 1.24 | 1.13 | 1.04 | 0.99 | 0.99 |

Annual Max Momentary Gage Height 5.75 m. (A.D.) , at 11.00 Hours , on Aug 29, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.71 m. (A.D.)

Left Bank Elevation 6.48 m. (A.D.) ,

Right Bank Elevation 7.84 m. (A.D.) , Drainage Are 424 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 19.60 | 1.40 | 37.50 | 37.00 | 28.50 | 2.15 | 1.00 | 0.50 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 7.10 | 1.90 | 49.00 | 22.30 | 115.60 | 2.00 | 0.90 | 0.50 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 3.65 | 4.55 | 37.00 | 14.00 | 137.20 | 2.00 | 0.80 | 0.40 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 3.35 | 18.25 | 42.00 | 8.80 | 60.00 | 2.00 | 0.80 | 0.40 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 2.90 | 14.40 | 34.50 | 5.90 | 39.00 | 1.80 | 0.70 | 0.40 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 2.00 | 9.60 | 21.85 | 4.70 | 62.20 | 1.70 | 0.70 | 0.30 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 1.70 | 10.40 | 13.20 | 4.25 | 103.45 | 1.60 | 0.60 | 0.30 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 1.50 | 12.40 | 8.80 | 3.95 | 110.05 | 1.60 | 0.60 | 0.20 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 1.40 | 8.80 | 6.20 | 3.80 | 80.35 | 1.60 | 0.60 | 0.20 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 1.30 | 5.90 | 4.85 | 3.80 | 47.00 | 1.60 | 0.60 | 0.20 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 1.50 | 11.20 | 4.70 | 3.50 | 33.50 | 1.40 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 1.30 | 34.50 | 6.80 | 3.35 | 25.00 | 1.20 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 1.00 | 22.30 | 13.20 | 2.60 | 18.70 | 1.20 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 1.00 | 16.45 | 69.35 | 2.30 | 13.20 | 1.20 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 1.00 | 10.80 | 82.00 | 2.30 | 9.60 | 1.20 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.90 | 6.50 | 170.50 | 27.50 | 7.70 | 1.20 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.60 | 4.55 | 145.60 | 28.50 | 6.20 | 1.20 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 1.50 | 3.95 | 73.20 | 24.10 | 5.00 | 1.10 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 1.20 | 36.50 | 39.00 | 19.15 | 4.40 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 1.30 | 61.65 | 28.50 | 13.60 | 4.25 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 1.50 | 35.50 | 19.60 | 9.60 | 3.95 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 1.50 | 65.50 | 18.25 | 6.20 | 3.95 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 1.40 | 144.40 | 30.00 | 4.85 | 3.65 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 1.40 | 204.75 | 62.75 | 4.25 | 3.50 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 1.40 | 86.95 | 82.00 | 41.50 | 3.20 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 1.50 | 112.25 | 53.50 | 56.50 | 3.20 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 1.40 | 83.10 | 73.20 | 36.50 | 3.05 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.10 | 1.20 | 62.20 | 46.50 | 48.50 | 2.60 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 1.80 | 1.30 | 38.50 | 182.00 | 57.50 | 2.60 | 1.00 | 0.60 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 3.35 | 1.60 | 36.50 | 142.00 | 41.50 | 2.60 | 1.00 | 0.50 | 0.00 | | 0.00 | | |
| 31 | | 3.05 | | 43.50 | 70.45 | | 2.60 | | 0.50 | 0.00 | | 0.00 | | |
| Total | 0.00 | 8.30 | 70.00 | 1209.15 | 1668.00 | 542.30 | 945.80 | 39.75 | 19.30 | 3.40 | 0.00 | 0.00 | 4506.00 | CMSDAY |
| Mean | 0.00 | 0.27 | 2.33 | 39.00 | 53.81 | 18.08 | 30.51 | 1.32 | 0.62 | 0.11 | 0.00 | 0.00 | 12.35 | CMS |
| Max | 0.00 | 3.35 | 19.60 | 204.75 | 182.00 | 57.50 | 137.20 | 2.15 | 1.00 | 0.50 | 0.00 | 0.00 | 204.75 | CMS |
| Min | 0.00 | 0.00 | 0.60 | 1.40 | 4.70 | 2.30 | 2.60 | 1.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.72 | 6.05 | 104.47 | 144.12 | 46.85 | 81.72 | 3.43 | 1.67 | 0.29 | 0.00 | 0.00 | 389.32 | MCM |

Momentary Peak 237.25 CMS, at 5.75 m. (A.D.) , at 11.00 Hours , on Aug 29, 2006

Runoff Yield 29.12 Liters/Second/Square KM. Momentary Peak Yield 559.55 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Saphu at Ban Mon, Ubon Ratchathani (M.132)

Lat 15 - 34 - 46 N Long 105 - 04 - 00 E

**Location : on left bank at the bridge on highway at Ban Mon.**

**Ban** Mon **Amphoe** Trakan Phutphon **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 101 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the footpath of the bridge. **Elevation** +11.514 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 2005 to date |
| **Rating Operation** | |
| **Period of Rating** | 2005 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2005 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +2.480 m.(A.D.), records are channel flow only. |
| **General Description** | Records good. Flow effected by Lam Phra Phloeng Dam about 5 kilometers upstream from the gage site. Stage-discharge relation defined by 26 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

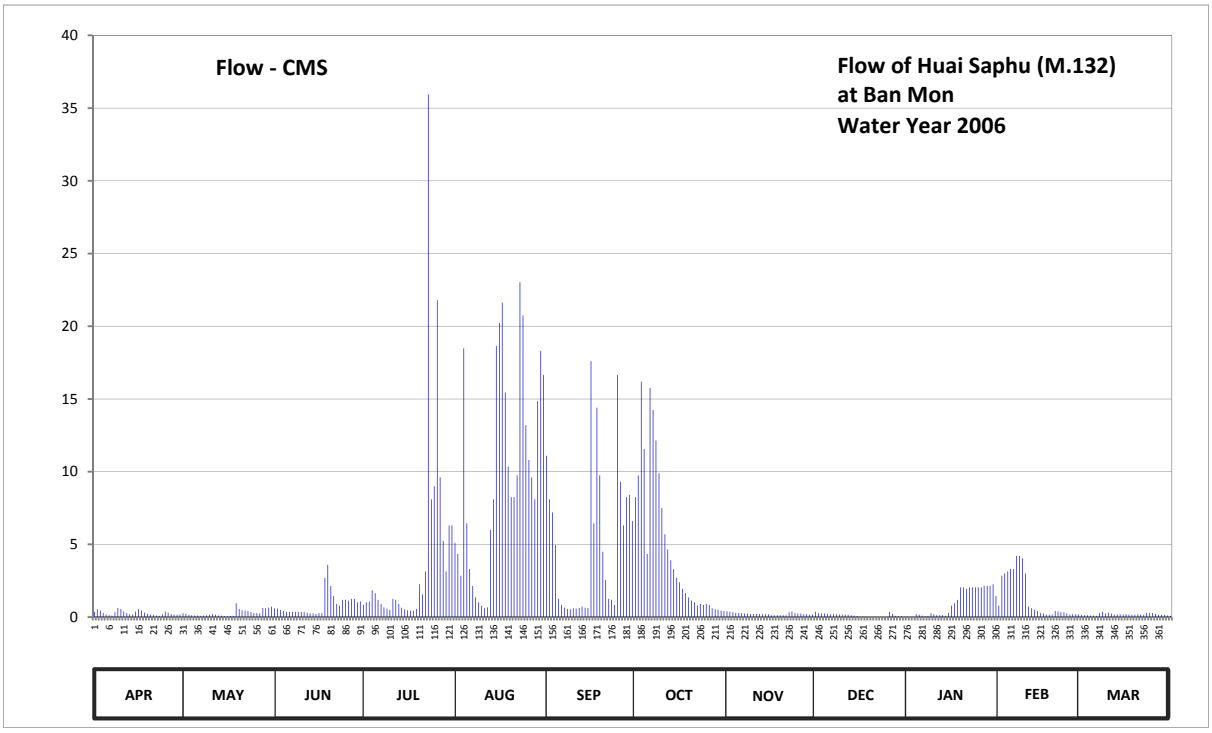
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.76 | 0.72 | 0.87 | 0.93 | 1.29 | 1.69 | 1.50 | 0.78 | 0.76 | 0.61 | 0.92 | 0.67 | |
| 2 | 0.84 | 0.70 | 0.86 | 0.96 | 1.24 | 1.49 | 1.60 | 0.76 | 0.72 | 0.60 | 1.14 | 0.66 | |
| 3 | 0.80 | 0.67 | 0.82 | 0.97 | 1.14 | 1.43 | 2.03 | 0.75 | 0.71 | 0.60 | 1.15 | 0.66 | |
| 4 | 0.73 | 0.66 | 0.79 | 1.06 | 2.17 | 1.28 | 1.72 | 0.73 | 0.71 | 0.69 | 1.16 | 0.65 | |
| 5 | 0.68 | 0.65 | 0.76 | 1.04 | 1.38 | 1.00 | 1.24 | 0.73 | 0.70 | 0.67 | 1.17 | 0.65 | |
| 6 | 0.66 | 0.65 | 0.76 | 0.99 | 1.17 | 0.93 | 2.00 | 0.72 | 0.69 | 0.65 | 1.17 | 0.64 | |
| 7 | 0.65 | 0.64 | 0.76 | 0.94 | 1.09 | 0.89 | 1.90 | 0.71 | 0.69 | 0.63 | 1.23 | 0.73 | |
| 8 | 0.75 | 0.65 | 0.76 | 0.90 | 1.01 | 0.85 | 1.76 | 0.71 | 0.69 | 0.64 | 1.23 | 0.76 | |
| 9 | 0.88 | 0.65 | 0.76 | 0.86 | 0.96 | 0.84 | 1.61 | 0.70 | 0.68 | 0.72 | 1.22 | 0.71 | |
| 10 | 0.85 | 0.67 | 0.76 | 0.83 | 0.92 | 0.87 | 1.45 | 0.70 | 0.68 | 0.69 | 1.15 | 0.74 | |
| 11 | 0.77 | 0.69 | 0.76 | 1.00 | 0.87 | 0.86 | 1.33 | 0.70 | 0.67 | 0.66 | 0.91 | 0.71 | |
| 12 | 0.72 | 0.67 | 0.74 | 0.99 | 0.90 | 0.88 | 1.26 | 0.70 | 0.67 | 0.66 | 0.87 | 0.68 | |
| 13 | 0.69 | 0.65 | 0.71 | 0.94 | 1.35 | 0.91 | 1.21 | 0.69 | 0.66 | 0.66 | 0.83 | 0.68 | |
| 14 | 0.68 | 0.64 | 0.71 | 0.89 | 1.49 | 0.89 | 1.17 | 0.69 | 0.65 | 0.64 | 0.79 | 0.69 | |
| 15 | 0.77 | 0.63 | 0.70 | 0.84 | 2.18 | 0.88 | 1.13 | 0.69 | 0.63 | 0.73 | 0.73 | 0.68 | |
| 16 | 0.85 | 0.62 | 0.72 | 0.81 | 2.27 | 2.12 | 1.11 | 0.66 | 0.61 | 0.92 | 0.71 | 0.69 | |
| 17 | 0.80 | 0.64 | 0.72 | 0.80 | 2.35 | 1.38 | 1.07 | 0.66 | 0.61 | 0.95 | 0.68 | 0.68 | |
| 18 | 0.74 | 0.64 | 1.13 | 0.80 | 1.98 | 1.91 | 1.04 | 0.66 | 0.61 | 0.99 | 0.67 | 0.68 | |
| 19 | 0.70 | 0.95 | 1.19 | 0.85 | 1.64 | 1.60 | 1.01 | 0.66 | 0.60 | 1.08 | 0.68 | 0.68 | |
| 20 | 0.68 | 0.85 | 1.09 | 1.10 | 1.50 | 1.25 | 0.98 | 0.66 | 0.60 | 1.08 | 0.79 | 0.69 | |
| 21 | 0.67 | 0.81 | 1.02 | 1.03 | 1.50 | 1.12 | 0.96 | 0.66 | 0.60 | 1.07 | 0.78 | 0.67 | |
| 22 | 0.65 | 0.80 | 0.94 | 1.16 | 1.60 | 1.00 | 0.92 | 0.75 | 0.58 | 1.08 | 0.75 | 0.67 | |
| 23 | 0.64 | 0.79 | 0.92 | 3.16 | 2.43 | 0.99 | 0.94 | 0.77 | 0.58 | 1.08 | 0.75 | 0.73 | |
| 24 | 0.69 | 0.76 | 0.99 | 1.49 | 2.30 | 0.93 | 0.93 | 0.73 | 0.58 | 1.08 | 0.71 | 0.73 | |
| 25 | 0.77 | 0.72 | 0.99 | 1.55 | 1.83 | 2.06 | 0.94 | 0.71 | 0.58 | 1.08 | 0.68 | 0.72 | |
| 26 | 0.74 | 0.73 | 0.98 | 2.36 | 1.67 | 1.57 | 0.93 | 0.71 | 0.76 | 1.08 | 0.69 | 0.70 | |
| 27 | 0.69 | 0.71 | 1.00 | 1.59 | 1.59 | 1.37 | 0.87 | 0.69 | 0.70 | 1.09 | 0.69 | 0.67 | |
| 28 | 0.68 | 0.88 | 1.00 | 1.30 | 1.49 | 1.50 | 0.85 | 0.69 | 0.64 | 1.09 | 0.68 | 0.67 | |
| 29 | 0.68 | 0.87 | 0.96 | 1.16 | 1.94 | 1.51 | 0.83 | 0.68 | 0.62 | 1.09 | | 0.67 | |
| 30 | 0.68 | 0.89 | 0.97 | 1.37 | 2.16 | 1.39 | 0.80 | 0.68 | 0.62 | 1.10 | | 0.65 | |
| 31 | | 0.91 | | 1.37 | 2.06 | | 0.79 | | 0.61 | 1.02 | | 0.64 | |
| Mean | 0.73 | 0.73 | 0.87 | 1.16 | 1.60 | 1.25 | 1.22 | 0.70 | 0.65 | 0.86 | 0.89 | 0.69 | |
| Max | 0.88 | 0.95 | 1.19 | 3.16 | 2.43 | 2.12 | 2.03 | 0.78 | 0.76 | 1.10 | 1.23 | 0.76 | 3.16 |
| Min | 0.64 | 0.62 | 0.70 | 0.80 | 0.87 | 0.84 | 0.79 | 0.66 | 0.58 | 0.60 | 0.67 | 0.64 | 0.58 |

Annual Max Momentary Gage Height 3.97 m. (A.D.) , at 12.00 Hours, on Jul 23, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.26 m. (A.D.)

Left Bank Elevation 2.47 m. (A.D.) ,

Right Bank Elevation 4.58 m. (A.D.) , Drainage Are 101 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.36 | 0.27 | 0.60 | 0.84 | 5.10 | 11.10 | 8.25 | 0.40 | 0.36 | 0.02 | 0.79 | 0.16 | | |
| 2 | 0.54 | 0.22 | 0.58 | 1.02 | 4.35 | 8.10 | 9.75 | 0.36 | 0.27 | 0.00 | 2.85 | 0.13 | | |
| 3 | 0.45 | 0.16 | 0.49 | 1.08 | 2.85 | 7.20 | 16.20 | 0.34 | 0.25 | 0.00 | 3.00 | 0.13 | | |
| 4 | 0.29 | 0.13 | 0.42 | 1.85 | 18.48 | 4.95 | 11.55 | 0.29 | 0.25 | 0.20 | 3.15 | 0.11 | | |
| 5 | 0.18 | 0.11 | 0.36 | 1.65 | 6.45 | 1.25 | 4.35 | 0.29 | 0.22 | 0.16 | 3.30 | 0.11 | | |
| 6 | 0.13 | 0.11 | 0.36 | 1.19 | 3.30 | 0.84 | 15.75 | 0.27 | 0.20 | 0.11 | 3.30 | 0.09 | | |
| 7 | 0.11 | 0.09 | 0.36 | 0.90 | 2.15 | 0.65 | 14.25 | 0.25 | 0.20 | 0.07 | 4.20 | 0.29 | | |
| 8 | 0.34 | 0.11 | 0.36 | 0.67 | 1.35 | 0.56 | 12.15 | 0.25 | 0.20 | 0.09 | 4.20 | 0.36 | | |
| 9 | 0.63 | 0.11 | 0.36 | 0.58 | 1.02 | 0.54 | 9.90 | 0.22 | 0.18 | 0.27 | 4.05 | 0.25 | | |
| 10 | 0.56 | 0.16 | 0.36 | 0.51 | 0.79 | 0.60 | 7.50 | 0.22 | 0.18 | 0.20 | 3.00 | 0.31 | | |
| 11 | 0.38 | 0.20 | 0.36 | 1.25 | 0.60 | 0.58 | 5.70 | 0.22 | 0.16 | 0.13 | 0.73 | 0.25 | | |
| 12 | 0.27 | 0.16 | 0.31 | 1.19 | 0.67 | 0.63 | 4.65 | 0.22 | 0.16 | 0.13 | 0.60 | 0.18 | | |
| 13 | 0.20 | 0.11 | 0.25 | 0.90 | 6.00 | 0.73 | 3.90 | 0.20 | 0.13 | 0.13 | 0.51 | 0.18 | | |
| 14 | 0.18 | 0.09 | 0.25 | 0.65 | 8.10 | 0.65 | 3.30 | 0.20 | 0.11 | 0.09 | 0.42 | 0.20 | | |
| 15 | 0.38 | 0.07 | 0.22 | 0.54 | 18.65 | 0.63 | 2.70 | 0.20 | 0.07 | 0.29 | 0.29 | 0.18 | | |
| 16 | 0.56 | 0.05 | 0.27 | 0.47 | 20.23 | 17.60 | 2.40 | 0.13 | 0.02 | 0.79 | 0.25 | 0.20 | | |
| 17 | 0.45 | 0.09 | 0.27 | 0.45 | 21.63 | 6.45 | 1.95 | 0.13 | 0.02 | 0.96 | 0.18 | 0.18 | | |
| 18 | 0.31 | 0.09 | 2.70 | 0.45 | 15.45 | 14.40 | 1.65 | 0.13 | 0.02 | 1.19 | 0.16 | 0.18 | | |
| 19 | 0.22 | 0.96 | 3.60 | 0.56 | 10.35 | 9.75 | 1.35 | 0.13 | 0.00 | 2.05 | 0.18 | 0.18 | | |
| 20 | 0.18 | 0.56 | 2.15 | 2.25 | 8.25 | 4.50 | 1.13 | 0.13 | 0.00 | 2.05 | 0.42 | 0.20 | | |
| 21 | 0.16 | 0.47 | 1.45 | 1.55 | 8.25 | 2.55 | 1.02 | 0.13 | 0.00 | 1.95 | 0.40 | 0.16 | | |
| 22 | 0.11 | 0.45 | 0.90 | 3.15 | 9.75 | 1.25 | 0.79 | 0.34 | 0.00 | 2.05 | 0.34 | 0.16 | | |
| 23 | 0.09 | 0.42 | 0.79 | 35.95 | 23.03 | 1.19 | 0.90 | 0.38 | 0.00 | 2.05 | 0.34 | 0.29 | | |
| 24 | 0.20 | 0.36 | 1.19 | 8.10 | 20.75 | 0.84 | 0.84 | 0.29 | 0.00 | 2.05 | 0.25 | 0.29 | | |
| 25 | 0.38 | 0.27 | 1.19 | 9.00 | 13.20 | 16.65 | 0.90 | 0.25 | 0.00 | 2.05 | 0.18 | 0.27 | | |
| 26 | 0.31 | 0.29 | 1.13 | 21.80 | 10.80 | 9.30 | 0.84 | 0.25 | 0.36 | 2.05 | 0.20 | 0.22 | | |
| 27 | 0.20 | 0.25 | 1.25 | 9.60 | 9.60 | 6.30 | 0.60 | 0.20 | 0.22 | 2.15 | 0.20 | 0.16 | | |
| 28 | 0.18 | 0.63 | 1.25 | 5.25 | 8.10 | 8.25 | 0.56 | 0.20 | 0.09 | 2.15 | 0.18 | 0.16 | | |
| 29 | 0.18 | 0.60 | 1.02 | 3.15 | 14.85 | 8.40 | 0.51 | 0.18 | 0.05 | 2.15 | | 0.16 | | |
| 30 | 0.18 | 0.65 | 1.08 | 6.30 | 18.30 | 6.60 | 0.45 | 0.18 | 0.05 | 2.25 | | 0.11 | | |
| 31 | | 0.73 | | 6.30 | 16.65 | | 0.42 | | 0.02 | 1.45 | | 0.09 | | |
| Total | 8.71 | 8.97 | 25.88 | 129.15 | 309.05 | 153.04 | 146.21 | 6.98 | 3.79 | 31.28 | 37.67 | 5.94 | 866.67 | CMSDAY |
| Mean | 0.29 | 0.29 | 0.86 | 4.17 | 9.97 | 5.10 | 4.72 | 0.23 | 0.12 | 1.01 | 1.35 | 0.19 | 2.37 | CMS |
| Max | 0.63 | 0.96 | 3.60 | 35.95 | 23.03 | 17.60 | 16.20 | 0.40 | 0.36 | 2.25 | 4.20 | 0.36 | 35.95 | CMS |
| Min | 0.09 | 0.05 | 0.22 | 0.45 | 0.60 | 0.54 | 0.42 | 0.13 | 0.00 | 0.00 | 0.16 | 0.09 | 0.00 | CMS |
| Runoff | 0.75 | 0.78 | 2.24 | 11.16 | 26.7 | 13.22 | 12.63 | 0.6 | 0.33 | 2.7 | 3.25 | 0.51 | 74.88 | MCM |

Momentary Peak 54.50 CMS, at 3.97 m. (A.D.) , at 12.00 Hours, on Jul 23, 2006

Runoff Yield 23.51 Liters/Second/Square KM. Momentary Peak Yield 539.60 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Hin Lap at Ban Hin Lap, Nakhon Ratchasima (M.134)

Lat 14 - 43 - 29 N Long 101 - 34 - 21 E

**Location : on left bank at Ban Hin Lap.**

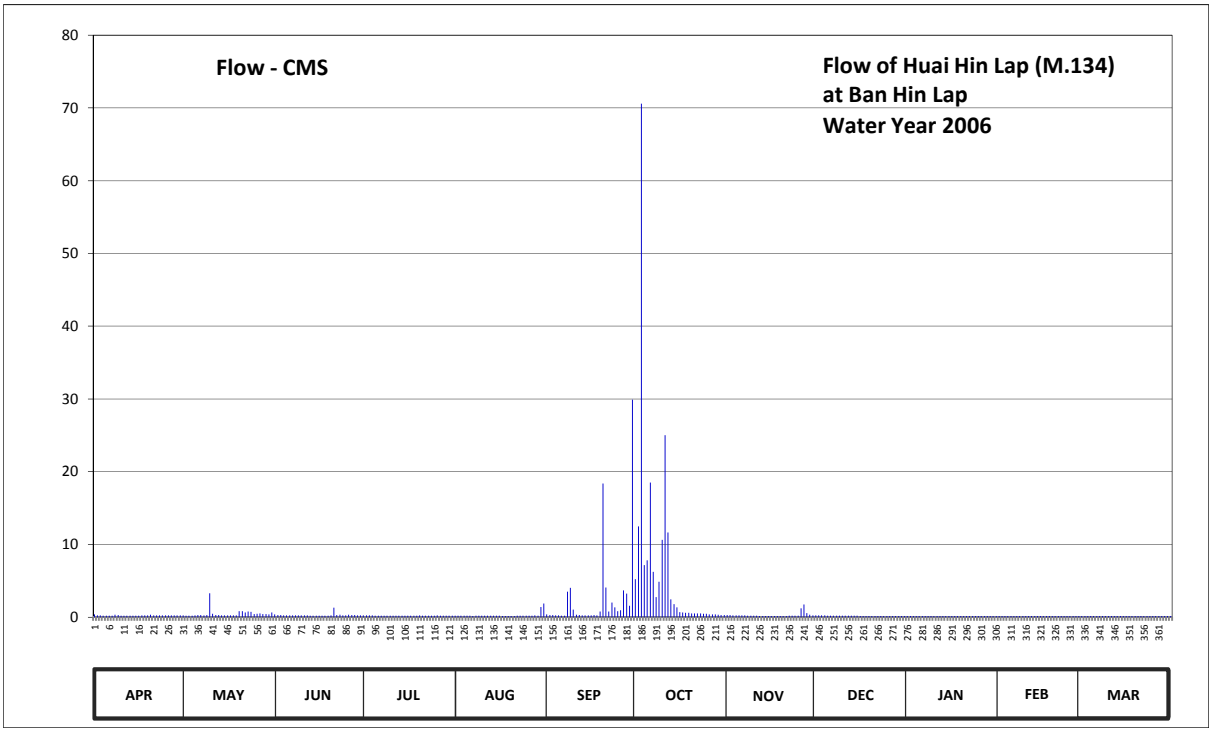
**Ban** Hin Lap **Amphoe** Pak Chong **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 250 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the gage observer's house. **Elevation** +10.405 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1986 to date |
| **Rating Operation** | |
| **Period of Rating** | 2001 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2001 to date |
| **Stability of Channel Regimes** | Rather unstable with variable water surface slope. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +6.030 m.(A.D.), records are channel flow only.No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 72 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.63 | 0.54 | 0.64 | 0.55 | 0.50 | 0.63 | 1.82 | 0.58 | 0.55 | 0.45 | 0.46 | 0.46 | |
| 2 | 0.57 | 0.52 | 0.60 | 0.55 | 0.50 | 0.60 | 2.84 | 0.58 | 0.55 | 0.45 | 0.46 | 0.46 | |
| 3 | 0.53 | 0.52 | 0.59 | 0.54 | 0.50 | 0.58 | 6.11 | 0.56 | 0.55 | 0.48 | 0.46 | 0.46 | |
| 4 | 0.51 | 0.52 | 0.56 | 0.53 | 0.50 | 0.55 | 2.14 | 0.56 | 0.55 | 0.48 | 0.46 | 0.46 | |
| 5 | 0.50 | 0.56 | 0.56 | 0.52 | 0.50 | 0.53 | 2.25 | 0.56 | 0.52 | 0.46 | 0.46 | 0.46 | |
| 6 | 0.50 | 0.60 | 0.55 | 0.50 | 0.50 | 0.50 | 3.39 | 0.53 | 0.52 | 0.46 | 0.46 | 0.46 | |
| 7 | 0.50 | 0.59 | 0.55 | 0.50 | 0.48 | 0.50 | 1.99 | 0.53 | 0.52 | 0.46 | 0.48 | 0.45 | |
| 8 | 0.62 | 0.57 | 0.55 | 0.50 | 0.50 | 1.52 | 1.37 | 0.50 | 0.52 | 0.47 | 0.48 | 0.45 | |
| 9 | 0.58 | 0.58 | 0.55 | 0.50 | 0.50 | 1.62 | 1.76 | 0.50 | 0.50 | 0.47 | 0.48 | 0.45 | |
| 10 | 0.52 | 1.48 | 0.55 | 0.50 | 0.50 | 0.94 | 2.63 | 0.50 | 0.50 | 0.47 | 0.48 | 0.45 | |
| 11 | 0.52 | 0.68 | 0.55 | 0.50 | 0.49 | 0.61 | 3.88 | 0.50 | 0.50 | 0.46 | 0.46 | 0.45 | |
| 12 | 0.52 | 0.59 | 0.55 | 0.50 | 0.49 | 0.60 | 2.75 | 0.48 | 0.50 | 0.46 | 0.46 | 0.45 | |
| 13 | 0.50 | 0.58 | 0.52 | 0.50 | 0.49 | 0.56 | 1.31 | 0.48 | 0.50 | 0.46 | 0.46 | 0.45 | |
| 14 | 0.50 | 0.56 | 0.52 | 0.50 | 0.49 | 0.55 | 1.17 | 0.48 | 0.49 | 0.46 | 0.46 | 0.45 | |
| 15 | 0.50 | 0.56 | 0.50 | 0.50 | 0.49 | 0.55 | 1.05 | 0.48 | 0.49 | 0.46 | 0.46 | 0.45 | |
| 16 | 0.50 | 0.56 | 0.51 | 0.50 | 0.49 | 0.57 | 0.80 | 0.48 | 0.48 | 0.46 | 0.46 | 0.47 | |
| 17 | 0.55 | 0.56 | 0.51 | 0.50 | 0.48 | 0.59 | 0.78 | 0.48 | 0.48 | 0.46 | 0.45 | 0.47 | |
| 18 | 0.55 | 0.56 | 0.52 | 0.50 | 0.48 | 0.54 | 0.75 | 0.48 | 0.48 | 0.46 | 0.45 | 0.46 | |
| 19 | 0.55 | 0.56 | 0.51 | 0.51 | 0.48 | 0.84 | 0.75 | 0.48 | 0.48 | 0.46 | 0.45 | 0.46 | |
| 20 | 0.62 | 0.86 | 0.54 | 0.56 | 0.48 | 3.38 | 0.71 | 0.48 | 0.48 | 0.46 | 0.45 | 0.46 | |
| 21 | 0.57 | 0.86 | 1.04 | 0.52 | 0.48 | 1.63 | 0.71 | 0.48 | 0.48 | 0.45 | 0.45 | 0.46 | |
| 22 | 0.56 | 0.77 | 0.58 | 0.52 | 0.50 | 0.84 | 0.70 | 0.51 | 0.48 | 0.45 | 0.45 | 0.45 | |
| 23 | 0.55 | 0.84 | 0.61 | 0.50 | 0.49 | 1.22 | 0.70 | 0.51 | 0.46 | 0.45 | 0.45 | 0.45 | |
| 24 | 0.55 | 0.82 | 0.55 | 0.50 | 0.49 | 1.05 | 0.69 | 0.50 | 0.46 | 0.45 | 0.46 | 0.45 | |
| 25 | 0.55 | 0.67 | 0.55 | 0.50 | 0.49 | 0.87 | 0.68 | 0.50 | 0.46 | 0.45 | 0.46 | 0.45 | |
| 26 | 0.55 | 0.69 | 0.62 | 0.55 | 0.49 | 0.91 | 0.65 | 1.01 | 0.46 | 0.45 | 0.46 | 0.45 | |
| 27 | 0.55 | 0.71 | 0.58 | 0.50 | 0.52 | 1.56 | 0.65 | 1.16 | 0.46 | 0.45 | 0.46 | 0.45 | |
| 28 | 0.55 | 0.67 | 0.58 | 0.50 | 0.57 | 1.47 | 0.65 | 0.72 | 0.45 | 0.45 | 0.46 | 0.45 | |
| 29 | 0.55 | 0.66 | 0.57 | 0.50 | 0.51 | 1.12 | 0.62 | 0.62 | 0.45 | 0.45 | | 0.45 | |
| 30 | 0.54 | 0.65 | 0.55 | 0.50 | 1.07 | 4.20 | 0.60 | 0.55 | 0.45 | 0.46 | | 0.45 | |
| 31 | | 0.77 | | 0.50 | 1.19 | | 0.60 | | 0.45 | 0.46 | | 0.45 | |
| Mean | 0.54 | 0.67 | 0.57 | 0.51 | 0.54 | 1.05 | 1.53 | 0.56 | 0.49 | 0.46 | 0.46 | 0.45 | |
| Max | 0.63 | 1.48 | 1.04 | 0.56 | 1.19 | 4.20 | 6.11 | 1.16 | 0.55 | 0.48 | 0.48 | 0.47 | 6.11 |
| Min | 0.50 | 0.52 | 0.50 | 0.50 | 0.48 | 0.50 | 0.60 | 0.48 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 6.35 | m. (A.D.) , | at 08.00 Hours , on Oct 3, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.12 | m. (A.D.) |
| Left Bank Elevation | 6.13 | m. (A.D.) , | | | |
| Right Bank Elevation | 6.02 | m. (A.D.) , | Drainage Are | 250 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.36 | 0.24 | 0.38 | 0.25 | 0.20 | 0.36 | 5.22 | 0.28 | 0.25 | 0.15 | 0.16 | 0.16 | | |
| 2 | 0.27 | 0.22 | 0.30 | 0.25 | 0.20 | 0.30 | 12.46 | 0.28 | 0.25 | 0.15 | 0.16 | 0.16 | | |
| 3 | 0.23 | 0.22 | 0.29 | 0.24 | 0.20 | 0.28 | 70.57 | 0.26 | 0.25 | 0.18 | 0.16 | 0.16 | | |
| 4 | 0.21 | 0.22 | 0.26 | 0.23 | 0.20 | 0.25 | 7.14 | 0.26 | 0.25 | 0.18 | 0.16 | 0.16 | | |
| 5 | 0.20 | 0.26 | 0.26 | 0.22 | 0.20 | 0.23 | 7.80 | 0.26 | 0.22 | 0.16 | 0.16 | 0.16 | | |
| 6 | 0.20 | 0.30 | 0.25 | 0.20 | 0.20 | 0.20 | 18.48 | 0.23 | 0.22 | 0.16 | 0.16 | 0.16 | | |
| 7 | 0.20 | 0.29 | 0.25 | 0.20 | 0.18 | 0.20 | 6.24 | 0.23 | 0.22 | 0.16 | 0.18 | 0.15 | | |
| 8 | 0.34 | 0.27 | 0.25 | 0.20 | 0.20 | 3.50 | 2.75 | 0.20 | 0.22 | 0.17 | 0.18 | 0.15 | | |
| 9 | 0.28 | 0.28 | 0.25 | 0.20 | 0.20 | 4.02 | 4.86 | 0.20 | 0.20 | 0.17 | 0.18 | 0.15 | | |
| 10 | 0.22 | 3.30 | 0.25 | 0.20 | 0.20 | 1.02 | 10.64 | 0.20 | 0.20 | 0.17 | 0.18 | 0.15 | | |
| 11 | 0.22 | 0.46 | 0.25 | 0.20 | 0.19 | 0.32 | 25.02 | 0.20 | 0.20 | 0.16 | 0.16 | 0.15 | | |
| 12 | 0.22 | 0.29 | 0.25 | 0.20 | 0.19 | 0.30 | 11.65 | 0.18 | 0.20 | 0.16 | 0.16 | 0.15 | | |
| 13 | 0.20 | 0.28 | 0.22 | 0.20 | 0.19 | 0.26 | 2.45 | 0.18 | 0.20 | 0.16 | 0.16 | 0.15 | | |
| 14 | 0.20 | 0.26 | 0.22 | 0.20 | 0.19 | 0.25 | 1.78 | 0.18 | 0.19 | 0.16 | 0.16 | 0.15 | | |
| 15 | 0.20 | 0.26 | 0.20 | 0.20 | 0.19 | 0.25 | 1.35 | 0.18 | 0.19 | 0.16 | 0.16 | 0.15 | | |
| 16 | 0.20 | 0.26 | 0.21 | 0.20 | 0.19 | 0.27 | 0.70 | 0.18 | 0.18 | 0.16 | 0.16 | 0.17 | | |
| 17 | 0.25 | 0.26 | 0.21 | 0.20 | 0.18 | 0.29 | 0.66 | 0.18 | 0.18 | 0.16 | 0.15 | 0.17 | | |
| 18 | 0.25 | 0.26 | 0.22 | 0.20 | 0.18 | 0.24 | 0.60 | 0.18 | 0.18 | 0.16 | 0.15 | 0.16 | | |
| 19 | 0.25 | 0.26 | 0.21 | 0.21 | 0.18 | 0.78 | 0.60 | 0.18 | 0.18 | 0.16 | 0.15 | 0.16 | | |
| 20 | 0.34 | 0.82 | 0.24 | 0.26 | 0.18 | 18.36 | 0.52 | 0.18 | 0.18 | 0.16 | 0.15 | 0.16 | | |
| 21 | 0.27 | 0.82 | 1.32 | 0.22 | 0.18 | 4.08 | 0.52 | 0.18 | 0.18 | 0.15 | 0.15 | 0.16 | | |
| 22 | 0.26 | 0.64 | 0.28 | 0.22 | 0.20 | 0.78 | 0.50 | 0.21 | 0.18 | 0.15 | 0.15 | 0.15 | | |
| 23 | 0.25 | 0.78 | 0.32 | 0.20 | 0.19 | 2.00 | 0.50 | 0.21 | 0.16 | 0.15 | 0.15 | 0.15 | | |
| 24 | 0.25 | 0.74 | 0.25 | 0.20 | 0.19 | 1.35 | 0.48 | 0.20 | 0.16 | 0.15 | 0.16 | 0.15 | | |
| 25 | 0.25 | 0.44 | 0.25 | 0.20 | 0.19 | 0.84 | 0.46 | 0.20 | 0.16 | 0.15 | 0.16 | 0.15 | | |
| 26 | 0.25 | 0.48 | 0.34 | 0.25 | 0.19 | 0.93 | 0.40 | 1.23 | 0.16 | 0.15 | 0.16 | 0.15 | | |
| 27 | 0.25 | 0.52 | 0.28 | 0.20 | 0.22 | 3.70 | 0.40 | 1.74 | 0.16 | 0.15 | 0.16 | 0.15 | | |
| 28 | 0.25 | 0.44 | 0.28 | 0.20 | 0.27 | 3.25 | 0.40 | 0.54 | 0.15 | 0.15 | 0.16 | 0.15 | | |
| 29 | 0.25 | 0.42 | 0.27 | 0.20 | 0.21 | 1.58 | 0.34 | 0.34 | 0.15 | 0.15 | | 0.15 | | |
| 30 | 0.24 | 0.40 | 0.25 | 0.20 | 1.41 | 29.90 | 0.30 | 0.25 | 0.15 | 0.16 | | 0.15 | | |
| 31 | | 0.64 | | 0.20 | 1.86 | | 0.30 | | 0.15 | 0.16 | | 0.15 | | |
| Total | 7.36 | 15.33 | 8.81 | 6.55 | 8.95 | 80.09 | 196.09 | 9.32 | 5.92 | 4.92 | 4.49 | 4.79 | 352.62 | CMSDAY |
| Mean | 0.25 | 0.49 | 0.29 | 0.21 | 0.29 | 2.67 | 6.33 | 0.31 | 0.19 | 0.16 | 0.16 | 0.15 | 0.97 | CMS |
| Max | 0.36 | 3.30 | 1.32 | 0.26 | 1.86 | 29.90 | 70.57 | 1.74 | 0.25 | 0.18 | 0.18 | 0.17 | 70.57 | CMS |
| Min | 0.20 | 0.22 | 0.20 | 0.20 | 0.18 | 0.20 | 0.30 | 0.18 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | CMS |
| Runoff | 0.64 | 1.32 | 0.76 | 0.57 | 0.77 | 6.92 | 16.94 | 0.81 | 0.51 | 0.43 | 0.39 | 0.41 | 30.47 | MCM |

Momentary Peak 77.10 CMS, at 6.35 m. (A.D.) , at 08.00 Hours , on Oct 3, 2006

Runoff Yield 3.86 Liters/Second/Square KM. Momentary Peak Yield 308.40 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Nua at Ban Raka, Si Sa Ket (M.137)

Lat 14 - 47 - 28 N Long 104 - 10 - 35 E

**Location : on right bank at the bridge on road.**

**Ban** Raka **Amphoe** Khu Khan **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 478 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank upstream side at the abutment of the bridge. **Elevation** +4.625 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date |
| **Stability of Channel Regimes** | Unstable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +1.960 m.(A.D.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 14 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

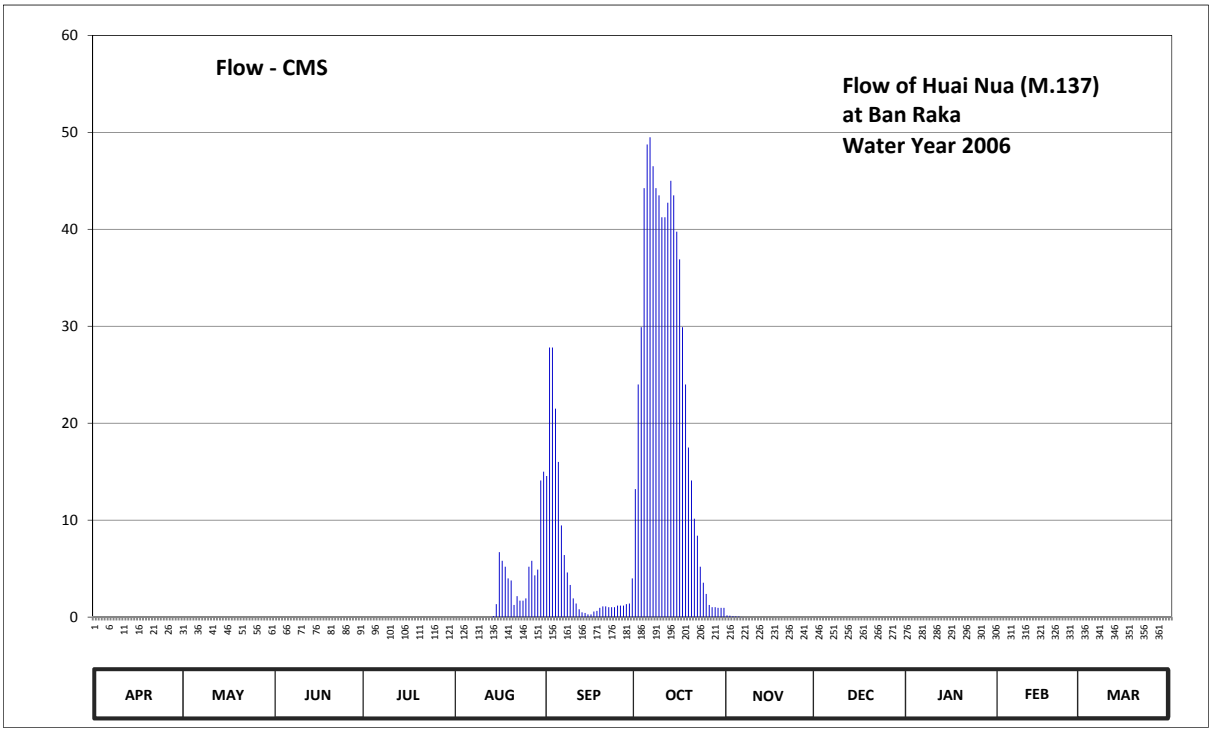
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.17 | 1.11 | 1.12 | 0.69 | 0.31 | 1.89 | 1.86 | 1.29 | 1.05 | 0.95 | 0.25 | 0.08 | |
| 2 | 0.17 | 1.10 | 1.11 | 0.70 | 0.50 | 2.14 | 2.08 | 1.27 | 1.05 | 0.91 | 0.24 | 0.06 | |
| 3 | 0.17 | 1.10 | 1.09 | 0.70 | 0.53 | 2.14 | 2.17 | 1.25 | 1.05 | 0.85 | 0.23 | 0.05 | |
| 4 | 0.17 | 1.09 | 1.06 | 0.70 | 0.74 | 2.03 | 2.37 | 1.24 | 1.05 | 0.80 | 0.22 | 0.04 | |
| 5 | 0.16 | 1.10 | 1.03 | 0.70 | 0.78 | 1.92 | 2.43 | 1.23 | 1.05 | 0.74 | 0.21 | 0.03 | |
| 6 | 0.16 | 1.10 | 1.01 | 0.69 | 0.79 | 1.77 | 2.44 | 1.21 | 1.04 | 0.69 | 0.20 | 0.02 | |
| 7 | 0.15 | 1.10 | 1.04 | 0.68 | 0.82 | 1.68 | 2.40 | 1.20 | 1.04 | 0.65 | 0.19 | 0.01 | |
| 8 | 0.15 | 1.10 | 1.02 | 0.67 | 0.89 | 1.62 | 2.37 | 1.19 | 1.04 | 0.62 | 0.18 | 0.00 | |
| 9 | 0.15 | 1.10 | 0.99 | 0.66 | 0.89 | 1.57 | 2.36 | 1.13 | 1.04 | 0.58 | 0.17 | 0.00 | |
| 10 | 0.14 | 1.09 | 0.95 | 0.65 | 0.89 | 1.51 | 2.33 | 1.06 | 1.04 | 0.55 | 0.15 | -0.01 | |
| 11 | 0.13 | 1.08 | 0.92 | 0.69 | 0.95 | 1.46 | 2.33 | 1.05 | 1.03 | 0.53 | 0.14 | -0.02 | |
| 12 | 0.12 | 1.07 | 0.89 | 0.70 | 0.95 | 1.38 | 2.35 | 1.02 | 1.03 | 0.52 | 0.13 | -0.02 | |
| 13 | 0.11 | 1.06 | 0.88 | 0.69 | 1.01 | 1.34 | 2.38 | 1.00 | 1.03 | 0.51 | 0.12 | -0.03 | |
| 14 | 0.10 | 1.05 | 0.87 | 0.66 | 1.26 | 1.33 | 2.36 | 1.00 | 1.03 | 0.49 | 0.11 | -0.04 | |
| 15 | 0.09 | 1.03 | 0.86 | 0.64 | 1.45 | 1.31 | 2.31 | 1.01 | 1.03 | 0.47 | 0.10 | -0.05 | |
| 16 | 0.10 | 0.94 | 0.83 | 0.64 | 1.69 | 1.31 | 2.27 | 1.07 | 1.04 | 0.46 | 0.09 | -0.06 | |
| 17 | 0.10 | 0.91 | 0.73 | 0.60 | 1.66 | 1.35 | 2.17 | 1.07 | 1.04 | 0.45 | 0.08 | -0.07 | |
| 18 | 0.09 | 0.88 | 0.71 | 0.58 | 1.64 | 1.36 | 2.08 | 1.07 | 1.04 | 0.43 | 0.07 | -0.08 | |
| 19 | 0.08 | 0.88 | 0.66 | 0.57 | 1.60 | 1.40 | 1.95 | 1.10 | 1.04 | 0.42 | 0.06 | -0.04 | |
| 20 | 0.08 | 0.96 | 0.63 | 0.56 | 1.59 | 1.42 | 1.88 | 1.09 | 1.04 | 0.41 | 0.05 | -0.04 | |
| 21 | 0.07 | 0.11 | 0.63 | 0.54 | 1.44 | 1.42 | 1.79 | 1.08 | 1.03 | 0.40 | 0.12 | -0.05 | |
| 22 | 0.06 | 1.09 | 0.63 | 0.53 | 1.52 | 1.41 | 1.74 | 1.08 | 1.03 | 0.39 | 0.12 | -0.05 | |
| 23 | 0.06 | 1.09 | 0.63 | 0.52 | 1.50 | 1.41 | 1.64 | 1.07 | 1.03 | 0.38 | 0.11 | -0.06 | |
| 24 | 0.48 | 1.10 | 0.66 | 0.50 | 1.50 | 1.41 | 1.58 | 1.07 | 1.03 | 0.38 | 0.11 | -0.06 | |
| 25 | 0.12 | 1.10 | 0.67 | 0.42 | 1.51 | 1.43 | 1.53 | 1.07 | 1.03 | 0.36 | 0.10 | -0.07 | |
| 26 | 1.10 | 1.11 | 0.68 | 0.28 | 1.64 | 1.43 | 1.44 | 1.07 | 1.02 | 0.35 | 0.10 | -0.07 | |
| 27 | 1.09 | 1.10 | 0.69 | 0.27 | 1.66 | 1.43 | 1.41 | 1.06 | 1.02 | 0.33 | 0.10 | -0.08 | |
| 28 | 1.08 | 1.10 | 0.69 | 0.28 | 1.61 | 1.45 | 1.41 | 1.06 | 1.02 | 0.32 | 0.09 | -0.07 | |
| 29 | 1.07 | 1.09 | 0.68 | 0.30 | 1.63 | 1.46 | 1.40 | 1.06 | 1.02 | 0.30 | | -0.04 | |
| 30 | 1.07 | 1.08 | 0.66 | 0.30 | 1.88 | 1.60 | 1.40 | 1.06 | 1.02 | 0.29 | | -0.06 | |
| 31 | | 1.10 | | 0.30 | 1.90 | | 1.40 | | 1.02 | 0.28 | | -0.07 | |
| Mean | 0.29 | 1.03 | 0.83 | 0.56 | 1.25 | 1.55 | 1.99 | 1.11 | 1.03 | 0.51 | 0.14 | -0.03 | |
| Max | 1.10 | 1.11 | 1.12 | 0.70 | 1.90 | 2.14 | 2.44 | 1.29 | 1.05 | 0.95 | 0.25 | 0.08 | 2.44 |
| Min | 0.06 | 0.11 | 0.63 | 0.27 | 0.31 | 1.31 | 1.40 | 1.00 | 1.02 | 0.28 | 0.05 | -0.08 | -0.08 |

Annual Max Momentary Gage Height 2.47 m. (A.D.) , at 18.00 Hours , on Oct 5, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.60 m. (A.D.)

Left Bank Elevation 1.95 m. (A.D.) ,

Right Bank Elevation 2.39 m. (A.D.) , Drainage Are 478 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.55 | 13.20 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.80 | 24.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.80 | 29.90 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.50 | 44.25 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 48.75 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.45 | 49.50 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.40 | 46.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.60 | 44.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 43.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 41.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 41.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 42.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 45.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.43 | 43.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 0.28 | 39.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 6.70 | 0.28 | 36.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 0.58 | 29.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 0.65 | 24.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 0.95 | 17.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 3.77 | 1.10 | 14.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 1.10 | 10.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 1.03 | 8.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 1.03 | 5.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 1.03 | 3.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.18 | 2.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 1.18 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 1.18 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 1.33 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 4.90 | 1.40 | 0.95 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 14.10 | 4.00 | 0.95 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 15.00 | | 0.95 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 84.96 | 154.77 | 755.59 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 995.90 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 | 5.16 | 24.37 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | CMS |
| Max | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 27.80 | 49.50 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 49.50 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.00 | 0.00 | 7.34 | 13.37 | 65.28 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 86.05 | MCM |

Momentary Peak 51.75 CMS, at 2.47 m. (A.D.) , at 18.00 Hours , on Oct 5, 2006

Runoff Yield 5.71 Liters/Second/Square KM. Momentary Peak Yield 108.26 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Sang Kot at Ban Nong Yai, Si Sa Ket (M.143)

Lat 14 - 29 - 01 N Long 104 - 39 - 52 E

**Location : on left bank at the bridge on road.**

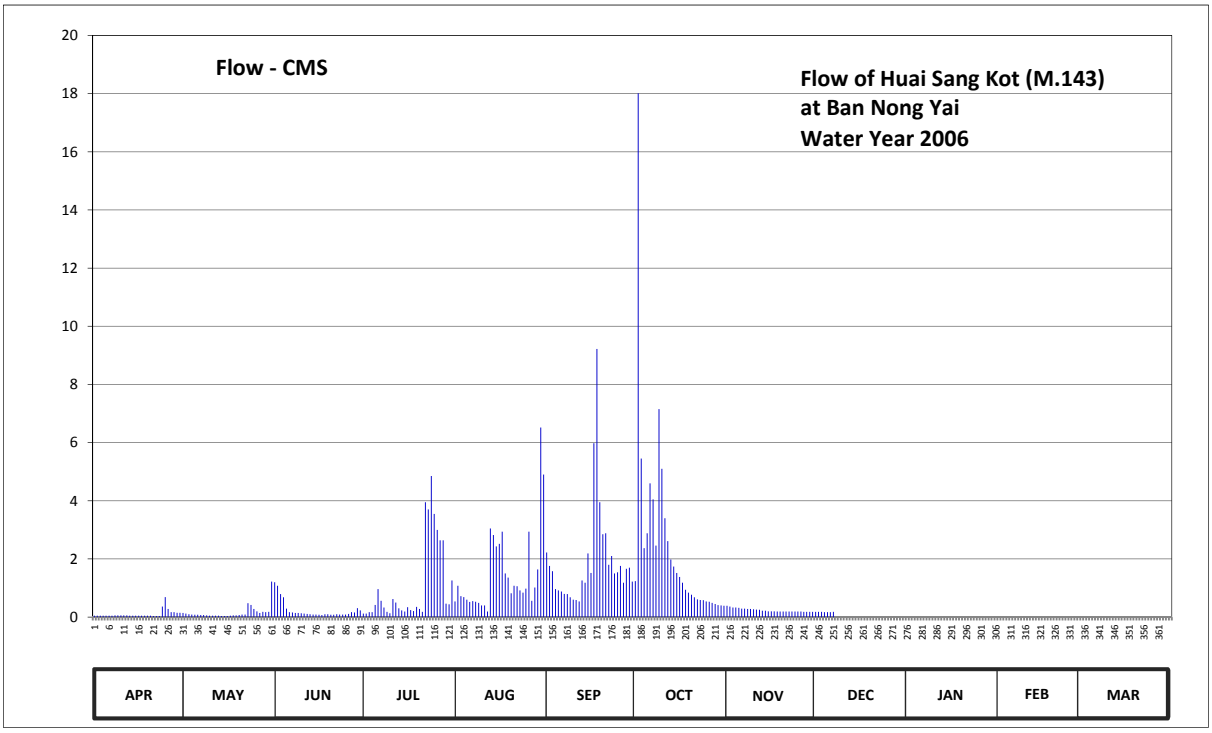
**Ban** Nong Yai **Amphoe** Kantharalak **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 47 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | on left bank upstream at the abutments of the bridge. **Elevation** +6.460 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1990 to date |
| **Rating Operation** | |
| **Period of Rating** | 1990 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1990 to date |
| **Stability of Channel Regimes** | Fairly stable with variable water surface slope.. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +4.910 m.(A.D.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 21 discharge measurrments made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.73 | 0.91 | 1.80 | 0.87 | 1.34 | 2.24 | 1.82 | 1.19 | 0.97 | 0.85 | 0.75 | 0.75 | |
| 2 | 0.74 | 0.87 | 1.74 | 0.88 | 1.74 | 2.08 | 4.41 | 1.16 | 0.97 | 0.85 | 0.75 | 0.75 | |
| 3 | 0.74 | 0.84 | 1.59 | 0.95 | 1.52 | 1.99 | 2.99 | 1.13 | 0.97 | 0.84 | 0.74 | 0.75 | |
| 4 | 0.74 | 0.82 | 1.48 | 0.95 | 1.49 | 1.68 | 2.29 | 1.13 | 0.96 | 0.84 | 0.74 | 0.75 | |
| 5 | 0.74 | 0.80 | 1.09 | 1.22 | 1.40 | 1.66 | 2.46 | 1.12 | 0.96 | 0.83 | 0.73 | 0.75 | |
| 6 | 0.74 | 0.79 | 0.95 | 1.68 | 1.32 | 1.64 | 2.82 | 1.09 | 0.96 | 0.83 | 0.73 | 0.76 | |
| 7 | 0.74 | 0.78 | 0.94 | 1.36 | 1.35 | 1.60 | 2.71 | 1.09 | 0.97 | 0.81 | 0.73 | 0.77 | |
| 8 | 0.75 | 0.78 | 0.92 | 1.13 | 1.33 | 1.59 | 2.32 | 1.08 | 1.02 | 0.81 | 0.73 | 0.77 | |
| 9 | 0.75 | 0.76 | 0.91 | 0.97 | 1.29 | 1.48 | 3.25 | 1.08 | 1.02 | 0.80 | 0.73 | 0.77 | |
| 10 | 0.75 | 0.73 | 0.90 | 0.89 | 1.20 | 1.40 | 2.92 | 1.07 | 1.02 | 0.80 | 0.73 | 0.77 | |
| 11 | 0.75 | 0.73 | 0.88 | 1.42 | 1.20 | 1.39 | 2.58 | 1.06 | 1.02 | 0.80 | 0.73 | 0.76 | |
| 12 | 0.75 | 0.73 | 0.85 | 1.30 | 0.99 | 1.34 | 2.37 | 1.05 | 1.02 | 0.79 | 0.73 | 0.76 | |
| 13 | 0.74 | 0.73 | 0.83 | 1.10 | 2.51 | 1.83 | 2.16 | 1.02 | 1.02 | 0.79 | 0.73 | 0.75 | |
| 14 | 0.74 | 0.72 | 0.82 | 1.03 | 2.44 | 1.79 | 2.07 | 1.02 | 1.01 | 0.79 | 0.73 | 0.75 | |
| 15 | 0.73 | 0.72 | 0.81 | 0.98 | 2.31 | 2.23 | 1.96 | 1.00 | 1.00 | 0.78 | 0.73 | 0.75 | |
| 16 | 0.73 | 0.72 | 0.79 | 1.14 | 2.34 | 1.96 | 1.89 | 1.00 | 0.98 | 0.78 | 0.73 | 0.75 | |
| 17 | 0.73 | 0.73 | 0.77 | 1.04 | 2.48 | 3.08 | 1.79 | 1.00 | 0.96 | 0.78 | 0.72 | 0.75 | |
| 18 | 0.73 | 0.75 | 0.84 | 1.01 | 1.95 | 3.48 | 1.67 | 0.99 | 0.94 | 0.76 | 0.72 | 0.75 | |
| 19 | 0.73 | 0.76 | 0.84 | 1.15 | 1.88 | 2.69 | 1.62 | 0.99 | 0.92 | 0.76 | 0.72 | 0.76 | |
| 20 | 0.73 | 0.78 | 0.80 | 1.08 | 1.61 | 2.45 | 1.57 | 0.98 | 0.90 | 0.76 | 0.72 | 0.76 | |
| 21 | 0.72 | 0.81 | 0.79 | 0.97 | 1.74 | 2.46 | 1.48 | 0.98 | 0.88 | 0.75 | 0.72 | 0.76 | |
| 22 | 0.72 | 0.82 | 0.83 | 2.69 | 1.73 | 2.10 | 1.41 | 0.98 | 0.87 | 0.75 | 0.72 | 0.76 | |
| 23 | 0.72 | 1.28 | 0.82 | 2.64 | 1.66 | 2.20 | 1.39 | 0.98 | 0.87 | 0.75 | 0.73 | 0.75 | |
| 24 | 1.16 | 1.22 | 0.81 | 2.87 | 1.62 | 1.95 | 1.38 | 0.98 | 0.86 | 0.75 | 0.75 | 0.75 | |
| 25 | 1.49 | 1.08 | 0.82 | 2.61 | 1.69 | 1.97 | 1.34 | 0.98 | 0.86 | 0.75 | 0.75 | 0.75 | |
| 26 | 1.08 | 1.00 | 0.86 | 2.50 | 2.48 | 2.08 | 1.33 | 0.98 | 0.86 | 0.75 | 0.75 | 0.75 | |
| 27 | 0.95 | 0.91 | 0.96 | 2.38 | 1.36 | 1.79 | 1.29 | 0.97 | 0.86 | 0.75 | 0.75 | 0.75 | |
| 28 | 0.95 | 0.97 | 0.94 | 2.38 | 1.71 | 2.03 | 1.25 | 0.97 | 0.85 | 0.75 | 0.75 | 0.73 | |
| 29 | 0.93 | 0.96 | 1.11 | 1.26 | 2.02 | 2.05 | 1.21 | 0.97 | 0.85 | 0.75 | | 0.73 | |
| 30 | 0.93 | 0.97 | 1.03 | 1.24 | 3.17 | 1.81 | 1.20 | 0.97 | 0.85 | 0.75 | | 0.73 | |
| 31 | | 1.81 | | 1.83 | 2.88 | | 1.19 | | 0.85 | 0.75 | | 0.73 | |
| Mean | 0.81 | 0.88 | 0.98 | 1.47 | 1.80 | 2.00 | 2.00 | 1.03 | 0.94 | 0.78 | 0.73 | 0.75 | |
| Max | 1.49 | 1.81 | 1.80 | 2.87 | 3.17 | 3.48 | 4.41 | 1.19 | 1.02 | 0.85 | 0.75 | 0.77 | 4.41 |
| Min | 0.72 | 0.72 | 0.77 | 0.87 | 0.99 | 1.34 | 1.19 | 0.97 | 0.85 | 0.75 | 0.72 | 0.73 | 0.72 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 5.15 | m. (A.D.) , | at 12.00 Hours , on Oct 2, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.41 | m. (A.D.) |
| Left Bank Elevation | 4.96 | m. (A.D.) , | | | |
| Right Bank Elevation | 4.90 | m. (A.D.) , | Drainage Are | 47 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.05 | 0.14 | 1.20 | 0.12 | 0.54 | 2.22 | 1.24 | 0.39 | 0.18 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.05 | 0.12 | 1.08 | 0.12 | 1.08 | 1.76 | 18.01 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.05 | 0.10 | 0.79 | 0.17 | 0.72 | 1.58 | 5.45 | 0.33 | 0.18 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.05 | 0.09 | 0.68 | 0.17 | 0.69 | 0.96 | 2.37 | 0.33 | 0.17 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.05 | 0.08 | 0.29 | 0.42 | 0.60 | 0.92 | 2.88 | 0.32 | 0.17 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.05 | 0.08 | 0.17 | 0.96 | 0.52 | 0.88 | 4.60 | 0.29 | 0.17 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.05 | 0.07 | 0.16 | 0.56 | 0.55 | 0.80 | 4.05 | 0.29 | 0.18 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.06 | 0.07 | 0.14 | 0.33 | 0.53 | 0.79 | 2.46 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.06 | 0.06 | 0.14 | 0.18 | 0.49 | 0.68 | 7.15 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.06 | 0.05 | 0.13 | 0.13 | 0.40 | 0.60 | 5.10 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.06 | 0.05 | 0.12 | 0.62 | 0.40 | 0.59 | 3.40 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.06 | 0.05 | 0.11 | 0.50 | 0.19 | 0.54 | 2.61 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.05 | 0.05 | 0.10 | 0.30 | 3.05 | 1.26 | 1.98 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.05 | 0.04 | 0.09 | 0.23 | 2.82 | 1.18 | 1.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.05 | 0.04 | 0.09 | 0.19 | 2.43 | 2.19 | 1.52 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.05 | 0.04 | 0.08 | 0.34 | 2.52 | 1.52 | 1.38 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.05 | 0.05 | 0.07 | 0.24 | 2.94 | 5.98 | 1.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.05 | 0.06 | 0.10 | 0.21 | 1.50 | 9.22 | 0.94 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.05 | 0.06 | 0.10 | 0.35 | 1.36 | 3.95 | 0.84 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.05 | 0.07 | 0.08 | 0.28 | 0.82 | 2.85 | 0.77 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.04 | 0.09 | 0.08 | 0.18 | 1.08 | 2.88 | 0.68 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.04 | 0.09 | 0.10 | 3.95 | 1.06 | 1.80 | 0.61 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.04 | 0.48 | 0.09 | 3.70 | 0.92 | 2.10 | 0.59 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.36 | 0.42 | 0.09 | 4.85 | 0.84 | 1.50 | 0.58 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.69 | 0.28 | 0.09 | 3.55 | 0.98 | 1.54 | 0.54 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.28 | 0.20 | 0.11 | 3.00 | 2.94 | 1.76 | 0.53 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.17 | 0.14 | 0.17 | 2.64 | 0.56 | 1.18 | 0.49 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.17 | 0.18 | 0.16 | 2.64 | 1.02 | 1.66 | 0.45 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.15 | 0.17 | 0.31 | 0.46 | 1.64 | 1.70 | 0.41 | 0.18 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.15 | 0.18 | 0.23 | 0.44 | 6.52 | 1.22 | 0.40 | 0.18 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 1.22 | | 1.26 | 4.90 | | 0.39 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 3.14 | 4.82 | 7.15 | 33.09 | 46.61 | 57.81 | 75.34 | 7.12 | 1.23 | 0.00 | 0.00 | 0.00 | 236.31 | CMSDAY |
| Mean | 0.10 | 0.16 | 0.24 | 1.07 | 1.50 | 1.93 | 2.43 | 0.24 | 0.04 | 0.00 | 0.00 | 0.00 | 0.65 | CMS |
| Max | 0.69 | 1.22 | 1.20 | 4.85 | 6.52 | 9.22 | 18.01 | 0.39 | 0.18 | 0.00 | 0.00 | 0.00 | 18.01 | CMS |
| Min | 0.04 | 0.04 | 0.07 | 0.12 | 0.19 | 0.54 | 0.39 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.27 | 0.42 | 0.62 | 2.86 | 4.03 | 4.99 | 6.51 | 0.62 | 0.11 | 0.00 | 0.00 | 0.00 | 20.42 | MCM |

Momentary Peak 27.25 CMS, at 5.15 m. (A.D.) , at 12.00 Hours , on Oct 2, 2006

Runoff Yield 13.77 Liters/Second/Square KM. Momentary Peak Yield 579.79 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Phra Phloeng at Ban Wang Takian Thong, Nakhon Ratchasima (M.145)

Lat 14 - 29 - 24 N Long 101 - 41 - 14 E

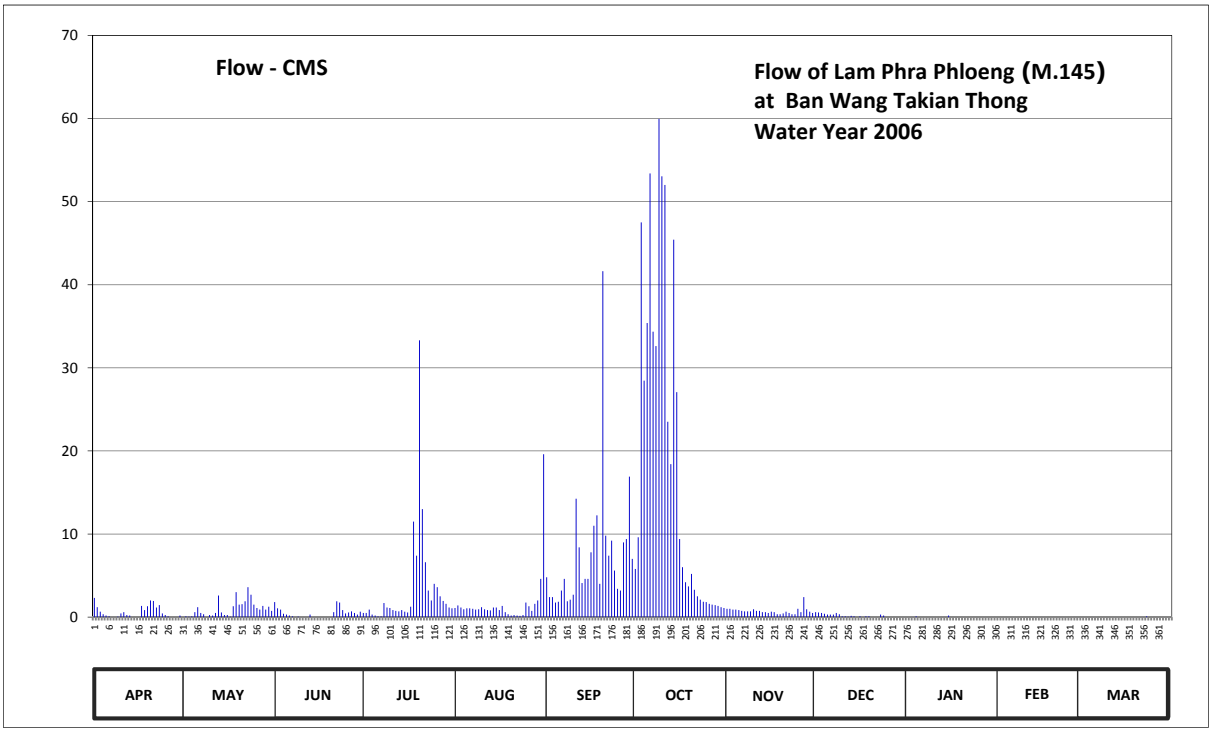
**Location : on right bank at Ban Wang Takian Thong.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Takian Thong | **Amphoe** Pak Chong | **Changwat** Nakhon Ratchasima |
| **Drainge Area** | 335 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 12 meters from the top staff gage. | **Elevation** | +7.980 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1990 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1990 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1990 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 47 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.83 | 3.36 | 3.76 | 3.50 | 3.62 | 4.08 | 4.14 | 3.60 | 3.52 | 3.36 | 3.32 | 3.22 | |
| 2 | 3.64 | 3.42 | 3.61 | 3.50 | 3.68 | 3.84 | 4.33 | 3.60 | 3.51 | 3.36 | 3.35 | 3.22 | |
| 3 | 3.53 | 3.41 | 3.58 | 3.58 | 3.63 | 3.84 | 5.55 | 3.58 | 3.50 | 3.35 | 3.32 | 3.21 | |
| 4 | 3.47 | 3.42 | 3.48 | 3.46 | 3.59 | 3.75 | 5.00 | 3.58 | 3.48 | 3.42 | 3.28 | 3.20 | |
| 5 | 3.44 | 3.52 | 3.46 | 3.44 | 3.61 | 3.77 | 5.20 | 3.57 | 3.46 | 3.35 | 3.27 | 3.25 | |
| 6 | 3.42 | 3.64 | 3.44 | 3.42 | 3.61 | 3.92 | 5.72 | 3.55 | 3.46 | 3.34 | 3.26 | 3.26 | |
| 7 | 3.39 | 3.50 | 3.42 | 3.42 | 3.60 | 4.06 | 5.17 | 3.54 | 3.46 | 3.34 | 3.25 | 3.26 | |
| 8 | 3.36 | 3.47 | 3.40 | 3.74 | 3.58 | 3.78 | 5.12 | 3.54 | 3.50 | 3.33 | 3.25 | 3.25 | |
| 9 | 3.41 | 3.40 | 3.41 | 3.63 | 3.59 | 3.81 | 5.91 | 3.54 | 3.47 | 3.32 | 3.25 | 3.19 | |
| 10 | 3.49 | 3.45 | 3.40 | 3.62 | 3.64 | 3.87 | 5.71 | 3.59 | 3.42 | 3.33 | 3.24 | 3.17 | |
| 11 | 3.52 | 3.44 | 3.38 | 3.57 | 3.59 | 4.53 | 5.68 | 3.55 | 3.42 | 3.32 | 3.24 | 3.20 | |
| 12 | 3.45 | 3.50 | 3.37 | 3.55 | 3.57 | 4.27 | 4.85 | 3.55 | 3.41 | 3.32 | 3.23 | 3.23 | |
| 13 | 3.44 | 3.86 | 3.46 | 3.54 | 3.56 | 4.01 | 4.68 | 3.52 | 3.43 | 3.32 | 3.23 | 3.28 | |
| 14 | 3.38 | 3.51 | 3.37 | 3.57 | 3.63 | 4.06 | 5.49 | 3.52 | 3.42 | 3.36 | 3.23 | 3.28 | |
| 15 | 3.36 | 3.45 | 3.34 | 3.53 | 3.63 | 4.06 | 4.96 | 3.50 | 3.40 | 3.44 | 3.21 | 3.31 | |
| 16 | 3.40 | 3.45 | 3.34 | 3.51 | 3.57 | 4.24 | 4.32 | 3.53 | 3.42 | 3.35 | 3.20 | 3.24 | |
| 17 | 3.67 | 3.41 | 3.37 | 3.65 | 3.67 | 4.40 | 4.15 | 3.52 | 3.39 | 3.33 | 3.19 | 3.20 | |
| 18 | 3.57 | 3.66 | 3.37 | 4.42 | 3.52 | 4.45 | 4.02 | 3.47 | 3.42 | 3.32 | 3.22 | 3.17 | |
| 19 | 3.66 | 3.90 | 3.37 | 4.22 | 3.47 | 4.00 | 3.97 | 3.47 | 3.42 | 3.31 | 3.23 | 3.17 | |
| 20 | 3.80 | 3.70 | 3.40 | 5.14 | 3.44 | 5.38 | 4.11 | 3.49 | 3.38 | 3.31 | 3.22 | 3.17 | |
| 21 | 3.79 | 3.71 | 3.52 | 4.48 | 3.45 | 4.34 | 3.93 | 3.53 | 3.37 | 3.31 | 3.23 | 3.17 | |
| 22 | 3.63 | 3.78 | 3.78 | 4.18 | 3.44 | 4.22 | 3.85 | 3.50 | 3.38 | 3.33 | 3.22 | 3.40 | |
| 23 | 3.69 | 3.96 | 3.75 | 3.92 | 3.43 | 4.31 | 3.81 | 3.47 | 3.46 | 3.34 | 3.23 | 3.42 | |
| 24 | 3.49 | 3.87 | 3.57 | 3.80 | 3.45 | 4.13 | 3.77 | 3.47 | 3.44 | 3.32 | 3.24 | 3.34 | |
| 25 | 3.45 | 3.70 | 3.49 | 4.00 | 3.75 | 3.94 | 3.76 | 3.60 | 3.38 | 3.32 | 3.26 | 3.30 | |
| 26 | 3.42 | 3.62 | 3.51 | 3.96 | 3.66 | 3.92 | 3.72 | 3.52 | 3.37 | 3.32 | 3.31 | 3.28 | |
| 27 | 3.40 | 3.58 | 3.54 | 3.85 | 3.55 | 4.30 | 3.70 | 3.84 | 3.37 | 3.31 | 3.24 | 3.24 | |
| 28 | 3.38 | 3.67 | 3.50 | 3.79 | 3.72 | 4.32 | 3.69 | 3.59 | 3.37 | 3.32 | 3.22 | 3.22 | |
| 29 | 3.37 | 3.58 | 3.46 | 3.72 | 3.80 | 4.63 | 3.67 | 3.53 | 3.37 | 3.30 | | 3.21 | |
| 30 | 3.44 | 3.65 | 3.53 | 3.63 | 4.06 | 4.20 | 3.64 | 3.50 | 3.37 | 3.33 | | 3.18 | |
| 31 | | 3.55 | | 3.61 | 4.72 | | 3.62 | | 3.36 | 3.32 | | 3.28 | |
| Mean | 3.51 | 3.59 | 3.48 | 3.77 | 3.64 | 4.15 | 4.49 | 3.55 | 3.42 | 3.34 | 3.25 | 3.24 | |
| Max | 3.83 | 3.96 | 3.78 | 5.14 | 4.72 | 5.38 | 5.91 | 3.84 | 3.52 | 3.44 | 3.35 | 3.42 | 5.91 |
| Min | 3.36 | 3.36 | 3.34 | 3.42 | 3.43 | 3.75 | 3.62 | 3.47 | 3.36 | 3.30 | 3.19 | 3.17 | 3.17 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 6.94 | m. (A.D.) , | at 22.00 Hours , on Oct 9, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 2.85 | m. (A.D.) |
| Left Bank Elevation | 8.02 | m. (A.D.) , | | | |
| Right Bank Elevation | 7.41 | m. (A.D.) , | Drainage Are | 335 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.30 | 0.00 | 1.80 | 0.50 | 1.10 | 4.80 | 5.80 | 1.00 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 2 | 1.20 | 0.10 | 1.05 | 0.50 | 1.40 | 2.40 | 9.60 | 1.00 | 0.55 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.65 | 0.05 | 0.90 | 0.90 | 1.15 | 2.40 | 47.50 | 0.90 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.35 | 0.10 | 0.40 | 0.30 | 0.95 | 1.75 | 28.46 | 0.90 | 0.40 | 0.10 | 0.00 | 0.00 | | |
| 5 | 0.20 | 0.60 | 0.30 | 0.20 | 1.05 | 1.85 | 35.39 | 0.85 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.10 | 1.20 | 0.20 | 0.10 | 1.05 | 3.20 | 53.39 | 0.75 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.50 | 0.10 | 0.10 | 1.00 | 4.60 | 34.35 | 0.70 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.35 | 0.00 | 1.70 | 0.90 | 1.90 | 32.62 | 0.70 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.05 | 0.00 | 0.05 | 1.15 | 0.95 | 2.10 | 59.96 | 0.70 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.45 | 0.25 | 0.00 | 1.10 | 1.20 | 2.70 | 53.04 | 0.95 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.60 | 0.20 | 0.00 | 0.85 | 0.95 | 14.25 | 52.00 | 0.75 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.25 | 0.50 | 0.00 | 0.75 | 0.85 | 8.40 | 23.50 | 0.75 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.20 | 2.60 | 0.30 | 0.70 | 0.80 | 4.10 | 18.40 | 0.60 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.55 | 0.00 | 0.85 | 1.15 | 4.60 | 45.42 | 0.60 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.25 | 0.00 | 0.65 | 1.15 | 4.60 | 27.08 | 0.50 | 0.00 | 0.20 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.25 | 0.00 | 0.55 | 0.85 | 7.80 | 9.40 | 0.65 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 17 | 1.35 | 0.05 | 0.00 | 1.25 | 1.35 | 11.00 | 6.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.85 | 1.30 | 0.00 | 11.50 | 0.60 | 12.25 | 4.20 | 0.35 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 19 | 1.30 | 3.00 | 0.00 | 7.40 | 0.35 | 4.00 | 3.70 | 0.35 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 20 | 2.00 | 1.50 | 0.00 | 33.31 | 0.20 | 41.62 | 5.20 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 1.95 | 1.55 | 0.60 | 13.00 | 0.25 | 9.80 | 3.30 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 1.15 | 1.90 | 1.90 | 6.60 | 0.20 | 7.40 | 2.50 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 1.45 | 3.60 | 1.75 | 3.20 | 0.15 | 9.20 | 2.10 | 0.35 | 0.30 | 0.00 | 0.00 | 0.10 | | |
| 24 | 0.45 | 2.70 | 0.85 | 2.00 | 0.25 | 5.60 | 1.85 | 0.35 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.25 | 1.50 | 0.45 | 4.00 | 1.75 | 3.40 | 1.80 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.10 | 1.10 | 0.55 | 3.60 | 1.30 | 3.20 | 1.60 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.90 | 0.70 | 2.50 | 0.75 | 9.00 | 1.50 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 1.35 | 0.50 | 1.95 | 1.60 | 9.40 | 1.45 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.90 | 0.30 | 1.60 | 2.00 | 16.90 | 1.35 | 0.65 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.20 | 1.25 | 0.65 | 1.15 | 4.60 | 7.00 | 1.20 | 0.50 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.75 | | 1.05 | 19.60 | | 1.10 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 17.40 | 30.85 | 13.35 | 105.01 | 51.45 | 221.22 | 574.76 | 22.00 | 5.10 | 0.30 | 0.00 | 0.10 | 1041.54 | CMSDAY |
| Mean | 0.58 | 1.00 | 0.45 | 3.39 | 1.66 | 7.37 | 18.54 | 0.73 | 0.16 | 0.01 | 0.00 | 0.00 | 2.85 | CMS |
| Max | 2.30 | 3.60 | 1.90 | 33.31 | 19.60 | 41.62 | 59.96 | 2.40 | 0.60 | 0.20 | 0.00 | 0.10 | 59.96 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 1.75 | 1.10 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.50 | 2.67 | 1.15 | 9.07 | 4.45 | 19.11 | 49.66 | 1.90 | 0.44 | 0.03 | 0.00 | 0.01 | 89.99 | MCM |

Momentary Peak 99.60 CMS, at 6.94 m. (A.D.) , at 22.00 Hours , on Oct 9, 2006

Runoff Yield 8.52 Liters/Second/Square KM. Momentary Peak Yield 297.31 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Kra Bueang Noi, Nakhon Ratchasima (M.151)

Lat 15 - 13 - 12 N Long 102 - 28 - 22 E

**Location : on right bank at the bridge on Nakhon Ratchasima - Phimai Highway.**

**Ban** Kra Bueang Noi **Amphoe** Phimai **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 11,509 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +149.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 35 meters from the measuring line. **Elevation** +153.190 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1994 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +153.170 m.(MSL.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 11 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

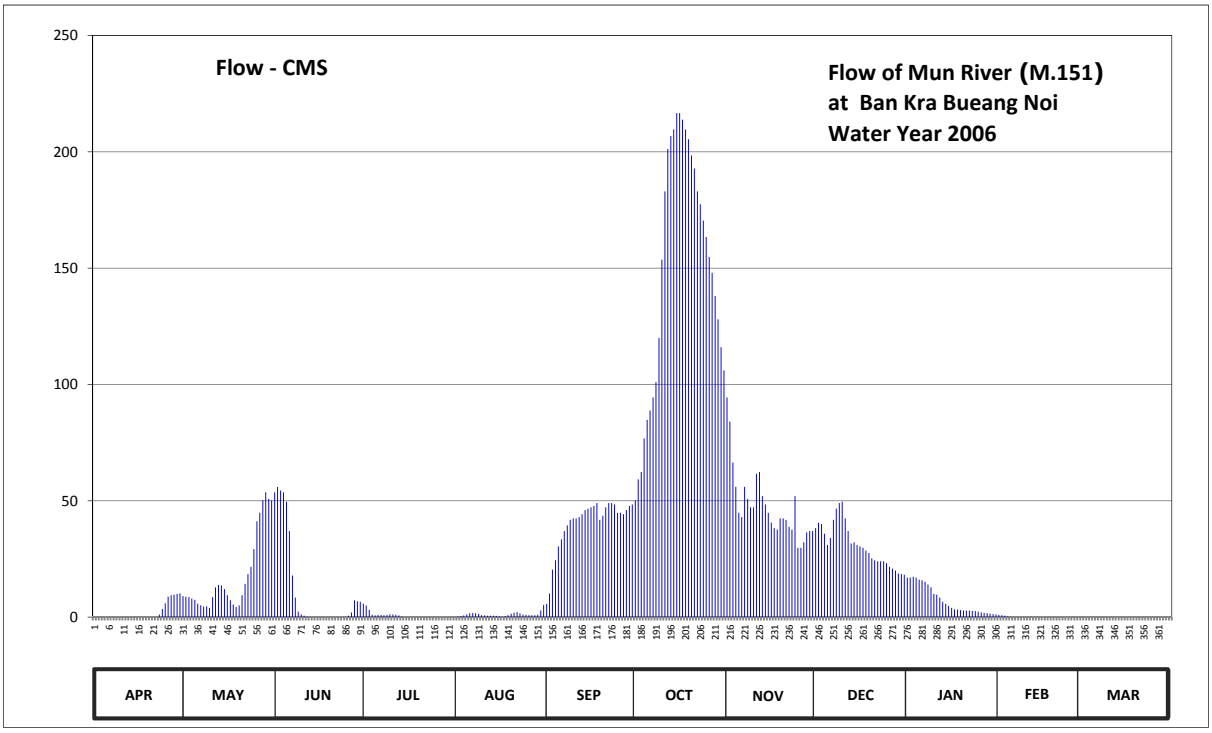
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 149.64 | 151.55 | 152.62 | 151.38 | 150.04 | 151.37 | 152.57 | 153.13 | 152.37 | 151.90 | 150.79 | 150.19 | |
| 2 | 149.64 | 151.54 | 152.65 | 151.30 | 150.47 | 151.61 | 152.69 | 153.00 | 152.41 | 151.90 | 150.72 | 150.20 | |
| 3 | 149.63 | 151.53 | 152.63 | 151.11 | 150.60 | 152.01 | 152.73 | 152.78 | 152.40 | 151.91 | 150.64 | 150.20 | |
| 4 | 149.60 | 151.50 | 152.62 | 150.80 | 150.71 | 152.11 | 152.91 | 152.65 | 152.33 | 151.90 | 150.51 | 150.18 | |
| 5 | 149.59 | 151.47 | 152.56 | 150.70 | 150.83 | 152.24 | 153.01 | 152.48 | 152.25 | 151.87 | 150.42 | 150.17 | |
| 6 | 149.59 | 151.38 | 152.35 | 150.79 | 150.93 | 152.29 | 153.06 | 152.45 | 152.30 | 151.86 | 150.32 | 150.15 | |
| 7 | 149.59 | 151.31 | 151.93 | 150.76 | 150.96 | 152.35 | 153.13 | 152.65 | 152.43 | 151.84 | 150.23 | 150.13 | |
| 8 | 149.58 | 151.25 | 151.52 | 150.72 | 150.93 | 152.39 | 153.21 | 152.58 | 152.51 | 151.80 | 150.12 | 150.11 | |
| 9 | 149.58 | 151.26 | 151.04 | 150.75 | 150.88 | 152.43 | 153.40 | 152.52 | 152.55 | 151.74 | 150.10 | 150.01 | |
| 10 | 149.56 | 151.20 | 150.83 | 150.83 | 150.74 | 152.44 | 153.73 | 152.52 | 152.56 | 151.60 | 150.01 | 149.98 | |
| 11 | 149.55 | 151.53 | 150.64 | 150.83 | 150.69 | 152.44 | 153.95 | 152.72 | 152.44 | 151.58 | 149.99 | 149.93 | |
| 12 | 149.54 | 151.74 | 150.44 | 150.81 | 150.63 | 152.45 | 154.08 | 152.73 | 152.35 | 151.52 | 149.97 | 149.91 | |
| 13 | 149.53 | 151.79 | 150.28 | 150.69 | 150.63 | 152.47 | 154.12 | 152.60 | 152.26 | 151.43 | 149.94 | 149.87 | |
| 14 | 149.53 | 151.78 | 150.19 | 150.48 | 150.64 | 152.50 | 154.14 | 152.54 | 152.27 | 151.37 | 149.90 | 149.85 | |
| 15 | 149.53 | 151.70 | 150.11 | 150.25 | 150.61 | 152.51 | 154.19 | 152.48 | 152.25 | 151.28 | 149.90 | 149.81 | |
| 16 | 149.52 | 151.57 | 150.05 | 150.13 | 150.53 | 152.52 | 154.19 | 152.41 | 152.24 | 151.20 | 149.90 | 149.81 | |
| 17 | 149.52 | 151.46 | 150.00 | 150.03 | 150.44 | 152.53 | 154.17 | 152.37 | 152.23 | 151.13 | 149.88 | 149.80 | |
| 18 | 149.51 | 151.34 | 150.00 | 149.99 | 150.57 | 152.55 | 154.14 | 152.36 | 152.21 | 151.12 | 149.87 | 149.79 | |
| 19 | 149.50 | 151.23 | 149.99 | 149.95 | 150.74 | 152.43 | 154.11 | 152.44 | 152.19 | 151.10 | 149.85 | 149.77 | |
| 20 | 149.48 | 151.30 | 149.97 | 149.92 | 150.89 | 152.46 | 154.06 | 152.44 | 152.13 | 151.08 | 149.84 | 149.75 | |
| 21 | 149.48 | 151.57 | 149.95 | 149.89 | 150.97 | 152.52 | 154.02 | 152.43 | 152.11 | 151.08 | 149.83 | 149.74 | |
| 22 | 149.66 | 151.81 | 149.97 | 149.87 | 151.01 | 152.55 | 153.95 | 152.38 | 152.10 | 151.08 | 149.80 | 149.72 | |
| 23 | 150.82 | 151.95 | 150.10 | 149.85 | 150.93 | 152.55 | 153.91 | 152.36 | 152.10 | 151.07 | 149.80 | 149.71 | |
| 24 | 151.14 | 152.04 | 150.20 | 149.85 | 150.82 | 152.54 | 153.86 | 152.60 | 152.10 | 151.06 | 149.86 | 149.69 | |
| 25 | 151.39 | 152.22 | 150.32 | 149.84 | 150.79 | 152.48 | 153.81 | 152.23 | 152.08 | 151.03 | 149.92 | 149.67 | |
| 26 | 151.54 | 152.42 | 150.64 | 149.81 | 150.74 | 152.48 | 153.74 | 152.23 | 152.04 | 151.00 | 150.01 | 149.67 | |
| 27 | 151.57 | 152.48 | 151.00 | 149.80 | 150.72 | 152.47 | 153.68 | 152.27 | 152.02 | 150.95 | 150.07 | 149.65 | |
| 28 | 151.58 | 152.57 | 151.46 | 149.77 | 150.73 | 152.50 | 153.58 | 152.34 | 152.00 | 150.94 | 150.15 | 149.64 | |
| 29 | 151.60 | 152.62 | 151.44 | 149.75 | 150.81 | 152.53 | 153.48 | 152.35 | 151.96 | 150.90 | | 149.63 | |
| 30 | 151.61 | 152.58 | 151.43 | 149.72 | 151.08 | 152.54 | 153.36 | 152.35 | 151.95 | 150.86 | | 149.65 | |
| 31 | | 152.57 | | 149.74 | 151.32 | | 153.26 | | 151.94 | 150.83 | | 149.64 | |
| Mean | 150.05 | 151.75 | 150.96 | 150.33 | 150.75 | 152.38 | 153.62 | 152.51 | 152.23 | 151.35 | 150.08 | 149.87 | |
| Max | 151.61 | 152.62 | 152.65 | 151.38 | 151.32 | 152.55 | 154.19 | 153.13 | 152.56 | 151.91 | 150.79 | 150.20 | 154.19 |
| Min | 149.48 | 151.20 | 149.95 | 149.72 | 150.04 | 151.37 | 152.57 | 152.23 | 151.94 | 150.83 | 149.80 | 149.63 | 149.48 |

Annual Max Momentary Gage Height 154.19 m. (MSL.) , at 06.00 Hours , on Oct 15, 2006

Zero Gage at Bottom Elevation 149.00 m. (MSL.) , River Bed 147.74 m. (MSL.)

Left Bank Elevation 153.33 m. (MSL.) ,

Right Bank Elevation 153.16 m. (MSL.) , Drainage Are 11,509 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 9.00 | 53.60 | 5.80 | 0.00 | 5.70 | 50.20 | 94.40 | 38.20 | 17.00 | 0.98 | 0.00 | | |
| 2 | 0.00 | 8.80 | 56.00 | 5.00 | 0.18 | 10.20 | 59.20 | 84.00 | 40.60 | 17.00 | 0.80 | 0.00 | | |
| 3 | 0.00 | 8.60 | 54.40 | 3.10 | 0.50 | 20.40 | 62.40 | 66.40 | 40.00 | 17.30 | 0.60 | 0.00 | | |
| 4 | 0.00 | 8.00 | 53.60 | 1.00 | 0.78 | 24.40 | 76.80 | 56.00 | 35.80 | 17.00 | 0.28 | 0.00 | | |
| 5 | 0.00 | 7.40 | 49.60 | 0.75 | 1.15 | 30.40 | 84.80 | 44.80 | 31.00 | 16.10 | 0.05 | 0.00 | | |
| 6 | 0.00 | 5.80 | 37.00 | 0.98 | 1.65 | 33.40 | 88.80 | 43.00 | 34.00 | 15.80 | 0.00 | 0.00 | | |
| 7 | 0.00 | 5.10 | 17.90 | 0.90 | 1.80 | 37.00 | 94.40 | 56.00 | 41.80 | 15.20 | 0.00 | 0.00 | | |
| 8 | 0.00 | 4.50 | 8.40 | 0.80 | 1.65 | 39.40 | 101.00 | 50.80 | 46.60 | 14.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 4.60 | 2.40 | 0.88 | 1.40 | 41.80 | 120.00 | 47.20 | 49.00 | 12.80 | 0.00 | 0.00 | | |
| 10 | 0.00 | 4.00 | 1.15 | 1.15 | 0.85 | 42.40 | 153.60 | 47.20 | 49.60 | 10.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 8.60 | 0.60 | 1.15 | 0.73 | 42.40 | 183.00 | 61.60 | 42.40 | 9.60 | 0.00 | 0.00 | | |
| 12 | 0.00 | 12.80 | 0.10 | 1.05 | 0.58 | 43.00 | 201.20 | 62.40 | 37.00 | 8.40 | 0.00 | 0.00 | | |
| 13 | 0.00 | 13.80 | 0.00 | 0.73 | 0.58 | 44.20 | 206.80 | 52.00 | 31.60 | 6.60 | 0.00 | 0.00 | | |
| 14 | 0.00 | 13.60 | 0.00 | 0.20 | 0.60 | 46.00 | 209.60 | 48.40 | 32.20 | 5.70 | 0.00 | 0.00 | | |
| 15 | 0.00 | 12.00 | 0.00 | 0.00 | 0.53 | 46.60 | 216.60 | 44.80 | 31.00 | 4.80 | 0.00 | 0.00 | | |
| 16 | 0.00 | 9.40 | 0.00 | 0.00 | 0.33 | 47.20 | 216.60 | 40.60 | 30.40 | 4.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 7.20 | 0.00 | 0.00 | 0.10 | 47.80 | 213.80 | 38.20 | 29.80 | 3.30 | 0.00 | 0.00 | | |
| 18 | 0.00 | 5.40 | 0.00 | 0.00 | 0.43 | 49.00 | 209.60 | 37.60 | 28.60 | 3.20 | 0.00 | 0.00 | | |
| 19 | 0.00 | 4.30 | 0.00 | 0.00 | 0.85 | 41.80 | 205.40 | 42.40 | 27.60 | 3.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 5.00 | 0.00 | 0.00 | 1.45 | 43.60 | 198.40 | 42.40 | 25.20 | 2.80 | 0.00 | 0.00 | | |
| 21 | 0.00 | 9.40 | 0.00 | 0.00 | 1.85 | 47.20 | 192.80 | 41.80 | 24.40 | 2.80 | 0.00 | 0.00 | | |
| 22 | 0.00 | 14.30 | 0.00 | 0.00 | 2.10 | 49.00 | 183.00 | 38.80 | 24.00 | 2.80 | 0.00 | 0.00 | | |
| 23 | 1.10 | 18.50 | 0.00 | 0.00 | 1.65 | 49.00 | 177.40 | 37.60 | 24.00 | 2.70 | 0.00 | 0.00 | | |
| 24 | 3.40 | 21.60 | 0.00 | 0.00 | 1.10 | 48.40 | 170.40 | 52.00 | 24.00 | 2.60 | 0.00 | 0.00 | | |
| 25 | 5.90 | 29.20 | 0.00 | 0.00 | 0.98 | 44.80 | 163.40 | 29.80 | 23.20 | 2.30 | 0.00 | 0.00 | | |
| 26 | 8.80 | 41.20 | 0.60 | 0.00 | 0.85 | 44.80 | 154.80 | 29.80 | 21.60 | 2.00 | 0.00 | 0.00 | | |
| 27 | 9.40 | 44.80 | 2.00 | 0.00 | 0.80 | 44.20 | 148.00 | 32.20 | 20.80 | 1.75 | 0.00 | 0.00 | | |
| 28 | 9.60 | 50.20 | 7.20 | 0.00 | 0.83 | 46.00 | 138.00 | 36.40 | 20.00 | 1.70 | 0.00 | 0.00 | | |
| 29 | 10.00 | 53.60 | 6.80 | 0.00 | 1.05 | 47.80 | 128.00 | 37.00 | 18.80 | 1.50 | | 0.00 | | |
| 30 | 10.20 | 50.80 | 6.60 | 0.00 | 2.80 | 48.40 | 116.00 | 37.00 | 18.50 | 1.30 | | 0.00 | | |
| 31 | | 50.20 | | 0.00 | 5.20 | | 106.00 | | 18.20 | 1.15 | | 0.00 | | |
| Total | 58.40 | 541.70 | 357.95 | 23.49 | 35.35 | 1206.30 | 4630.00 | 1432.60 | 959.90 | 226.20 | 2.71 | 0.00 | 9474.60 | CMSDAY |
| Mean | 1.95 | 17.47 | 11.93 | 0.76 | 1.14 | 40.21 | 149.35 | 47.75 | 30.96 | 7.30 | 0.10 | 0.00 | 25.96 | CMS |
| Max | 10.20 | 53.60 | 56.00 | 5.80 | 5.20 | 49.00 | 216.60 | 94.40 | 49.60 | 17.30 | 0.98 | 0.00 | 216.60 | CMS |
| Min | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 5.70 | 50.20 | 29.80 | 18.20 | 1.15 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 5.05 | 46.80 | 30.93 | 2.03 | 3.05 | 104.22 | 400.03 | 123.78 | 82.94 | 19.54 | 0.23 | 0.00 | 818.61 | MCM |

Momentary Peak 216.60 CMS, at 154.19 m. (MSL.) , at 06.00 Hours , on Oct 15, 2006

Runoff Yield 2.26 Liters/Second/Square KM. Momentary Peak Yield 18.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Bon at Ban Phon Thong, Ubon Ratchathani (M.152)

Lat 14 - 27 - 47 N Long 105 - 06 - 19 E

**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Phon Thong | **Amphoe** Nam Yuen | **Changwat** Ubon Ratchathani |
| **Drainge Area** | 214 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | **Elevation** | +9.719 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1996 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Fairly stable with variable water surface slope. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +5.690 m.(A.D.), records are channel flow only. | | |
| **General Description** | Records good. Stage-discharge relation defined by 40 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

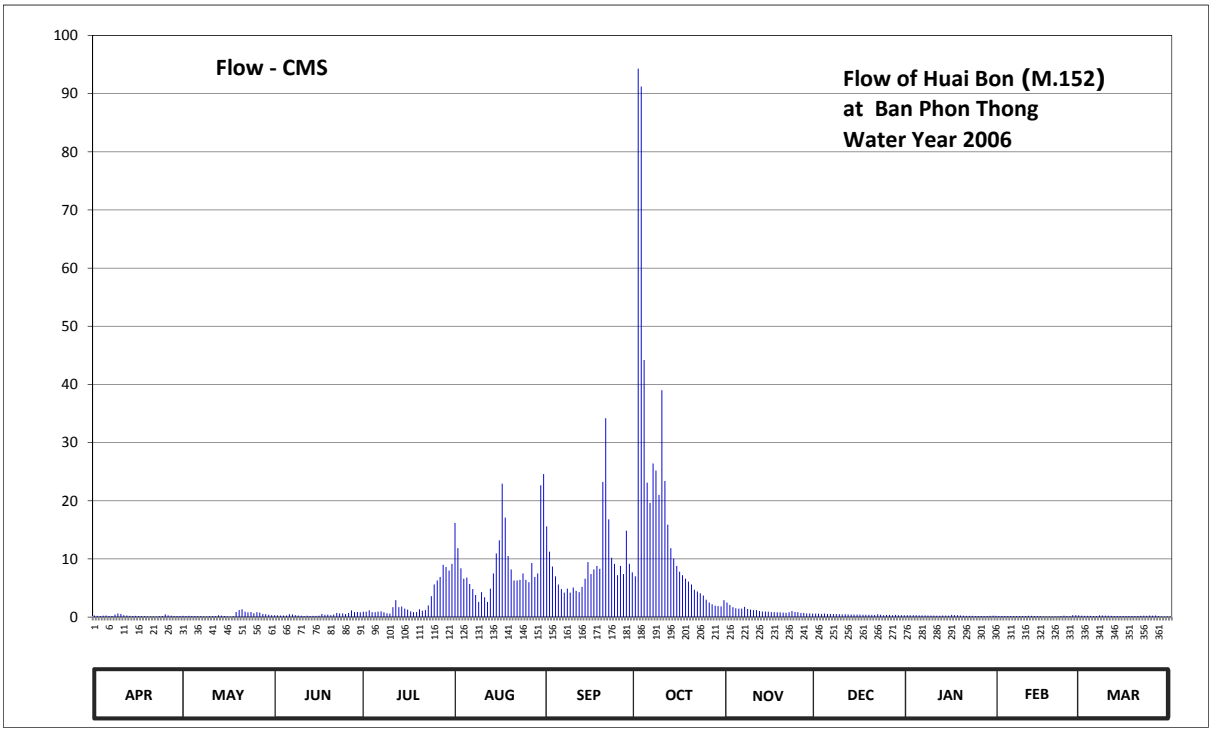
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.09 | 1.07 | 1.11 | 1.28 | 2.68 | 2.64 | 2.00 | 1.55 | 1.19 | 1.11 | 1.06 | 1.08 | |
| 2 | 1.07 | 1.06 | 1.10 | 1.28 | 2.39 | 2.35 | 6.31 | 1.51 | 1.19 | 1.11 | 1.06 | 1.07 | |
| 3 | 1.06 | 1.07 | 1.09 | 1.33 | 2.14 | 2.17 | 6.20 | 1.44 | 1.18 | 1.11 | 1.06 | 1.07 | |
| 4 | 1.08 | 1.06 | 1.09 | 1.26 | 1.96 | 2.00 | 4.21 | 1.40 | 1.19 | 1.11 | 1.06 | 1.07 | |
| 5 | 1.09 | 1.06 | 1.09 | 1.26 | 1.98 | 1.86 | 3.14 | 1.39 | 1.18 | 1.10 | 1.06 | 1.06 | |
| 6 | 1.06 | 1.05 | 1.16 | 1.28 | 1.87 | 1.78 | 2.91 | 1.39 | 1.18 | 1.10 | 1.06 | 1.06 | |
| 7 | 1.06 | 1.05 | 1.15 | 1.30 | 1.78 | 1.72 | 3.32 | 1.45 | 1.17 | 1.10 | 1.06 | 1.10 | |
| 8 | 1.14 | 1.04 | 1.11 | 1.25 | 1.68 | 1.79 | 3.26 | 1.38 | 1.17 | 1.09 | 1.06 | 1.09 | |
| 9 | 1.20 | 1.04 | 1.09 | 1.21 | 1.56 | 1.72 | 3.00 | 1.36 | 1.16 | 1.09 | 1.06 | 1.08 | |
| 10 | 1.18 | 1.05 | 1.08 | 1.19 | 1.73 | 1.81 | 3.95 | 1.34 | 1.15 | 1.09 | 1.06 | 1.08 | |
| 11 | 1.11 | 1.05 | 1.06 | 1.44 | 1.64 | 1.75 | 3.16 | 1.34 | 1.16 | 1.08 | 1.07 | 1.07 | |
| 12 | 1.09 | 1.05 | 1.08 | 1.59 | 1.56 | 1.73 | 2.66 | 1.31 | 1.15 | 1.08 | 1.07 | 1.06 | |
| 13 | 1.07 | 1.10 | 1.06 | 1.44 | 1.79 | 1.82 | 2.39 | 1.29 | 1.14 | 1.09 | 1.06 | 1.06 | |
| 14 | 1.06 | 1.08 | 1.07 | 1.46 | 2.05 | 1.96 | 2.27 | 1.29 | 1.14 | 1.09 | 1.05 | 1.06 | |
| 15 | 1.07 | 1.06 | 1.07 | 1.39 | 2.33 | 2.23 | 2.18 | 1.28 | 1.14 | 1.08 | 1.05 | 1.06 | |
| 16 | 1.06 | 1.04 | 1.08 | 1.36 | 2.48 | 2.04 | 2.08 | 1.26 | 1.14 | 1.12 | 1.04 | 1.06 | |
| 17 | 1.05 | 1.02 | 1.18 | 1.30 | 3.13 | 2.12 | 2.02 | 1.26 | 1.13 | 1.11 | 1.04 | 1.06 | |
| 18 | 1.05 | 1.05 | 1.13 | 1.26 | 2.74 | 2.18 | 1.96 | 1.25 | 1.13 | 1.11 | 1.04 | 1.06 | |
| 19 | 1.04 | 1.27 | 1.14 | 1.27 | 2.30 | 2.13 | 1.91 | 1.25 | 1.13 | 1.09 | 1.04 | 1.06 | |
| 20 | 1.04 | 1.34 | 1.11 | 1.37 | 2.12 | 3.15 | 1.86 | 1.24 | 1.12 | 1.08 | 1.04 | 1.06 | |
| 21 | 1.04 | 1.37 | 1.14 | 1.32 | 1.93 | 3.71 | 1.77 | 1.23 | 1.12 | 1.07 | 1.04 | 1.07 | |
| 22 | 1.03 | 1.28 | 1.22 | 1.34 | 1.93 | 2.72 | 1.74 | 1.25 | 1.16 | 1.07 | 1.05 | 1.08 | |
| 23 | 1.05 | 1.25 | 1.20 | 1.50 | 1.94 | 2.28 | 1.71 | 1.31 | 1.13 | 1.07 | 1.08 | 1.07 | |
| 24 | 1.06 | 1.27 | 1.20 | 1.66 | 2.05 | 2.21 | 1.67 | 1.27 | 1.11 | 1.06 | 1.06 | 1.09 | |
| 25 | 1.15 | 1.21 | 1.17 | 1.86 | 1.94 | 2.02 | 1.60 | 1.26 | 1.12 | 1.06 | 1.05 | 1.08 | |
| 26 | 1.10 | 1.26 | 1.22 | 1.93 | 1.90 | 2.18 | 1.55 | 1.22 | 1.12 | 1.06 | 1.11 | 1.09 | |
| 27 | 1.08 | 1.24 | 1.33 | 1.99 | 2.22 | 2.04 | 1.52 | 1.22 | 1.11 | 1.06 | 1.11 | 1.05 | |
| 28 | 1.06 | 1.18 | 1.26 | 2.20 | 1.99 | 2.59 | 1.49 | 1.20 | 1.12 | 1.06 | 1.10 | 1.03 | |
| 29 | 1.06 | 1.16 | 1.27 | 2.16 | 2.05 | 2.21 | 1.48 | 1.20 | 1.11 | 1.07 | | 1.03 | |
| 30 | 1.06 | 1.13 | 1.25 | 2.10 | 3.11 | 2.07 | 1.47 | 1.19 | 1.11 | 1.08 | | 1.04 | |
| 31 | | 1.11 | | 2.21 | 3.23 | | 1.59 | | 1.11 | 1.07 | | 1.03 | |
| Mean | 1.08 | 1.13 | 1.14 | 1.51 | 2.14 | 2.17 | 2.53 | 1.31 | 1.14 | 1.09 | 1.06 | 1.07 | |
| Max | 1.20 | 1.37 | 1.33 | 2.21 | 3.23 | 3.71 | 6.31 | 1.55 | 1.19 | 1.12 | 1.11 | 1.10 | 6.31 |
| Min | 1.03 | 1.02 | 1.06 | 1.19 | 1.56 | 1.72 | 1.47 | 1.19 | 1.11 | 1.06 | 1.04 | 1.03 | 1.02 |

Annual Max Momentary Gage Height 7.49 m. (A.D.) , at 21.00 Hours , on Oct 2, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.30 m. (A.D.)

Left Bank Elevation 6.48 m. (A.D.) ,

Right Bank Elevation 5.68 m. (A.D.) , Drainage Are 214 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.28 | 0.22 | 0.34 | 0.92 | 16.20 | 15.60 | 7.00 | 2.50 | 0.59 | 0.34 | 0.19 | 0.25 | | |
| 2 | 0.22 | 0.19 | 0.31 | 0.92 | 11.85 | 11.25 | 94.28 | 2.10 | 0.59 | 0.34 | 0.19 | 0.22 | | |
| 3 | 0.19 | 0.22 | 0.28 | 1.15 | 8.40 | 8.70 | 91.20 | 1.70 | 0.56 | 0.34 | 0.19 | 0.22 | | |
| 4 | 0.25 | 0.19 | 0.28 | 0.85 | 6.60 | 7.00 | 44.20 | 1.50 | 0.59 | 0.34 | 0.19 | 0.22 | | |
| 5 | 0.28 | 0.19 | 0.28 | 0.85 | 6.80 | 5.60 | 23.10 | 1.45 | 0.56 | 0.31 | 0.19 | 0.19 | | |
| 6 | 0.19 | 0.16 | 0.50 | 0.92 | 5.70 | 4.80 | 19.65 | 1.45 | 0.56 | 0.31 | 0.19 | 0.19 | | |
| 7 | 0.19 | 0.16 | 0.47 | 1.00 | 4.80 | 4.20 | 26.40 | 1.75 | 0.53 | 0.31 | 0.19 | 0.31 | | |
| 8 | 0.43 | 0.12 | 0.34 | 0.81 | 3.80 | 4.90 | 25.20 | 1.40 | 0.53 | 0.28 | 0.19 | 0.28 | | |
| 9 | 0.62 | 0.12 | 0.28 | 0.66 | 2.60 | 4.20 | 21.00 | 1.30 | 0.50 | 0.28 | 0.19 | 0.25 | | |
| 10 | 0.56 | 0.16 | 0.25 | 0.59 | 4.30 | 5.10 | 39.00 | 1.20 | 0.47 | 0.28 | 0.19 | 0.25 | | |
| 11 | 0.34 | 0.16 | 0.19 | 1.70 | 3.40 | 4.50 | 23.40 | 1.20 | 0.50 | 0.25 | 0.22 | 0.22 | | |
| 12 | 0.28 | 0.16 | 0.25 | 2.90 | 2.60 | 4.30 | 15.90 | 1.05 | 0.47 | 0.25 | 0.22 | 0.19 | | |
| 13 | 0.22 | 0.31 | 0.19 | 1.70 | 4.90 | 5.20 | 11.85 | 0.96 | 0.43 | 0.28 | 0.19 | 0.19 | | |
| 14 | 0.19 | 0.25 | 0.22 | 1.80 | 7.50 | 6.60 | 10.05 | 0.96 | 0.43 | 0.28 | 0.16 | 0.19 | | |
| 15 | 0.22 | 0.19 | 0.22 | 1.45 | 10.95 | 9.45 | 8.80 | 0.92 | 0.43 | 0.25 | 0.16 | 0.19 | | |
| 16 | 0.19 | 0.12 | 0.25 | 1.30 | 13.20 | 7.40 | 7.80 | 0.85 | 0.43 | 0.37 | 0.12 | 0.19 | | |
| 17 | 0.16 | 0.06 | 0.56 | 1.00 | 22.95 | 8.20 | 7.20 | 0.85 | 0.40 | 0.34 | 0.12 | 0.19 | | |
| 18 | 0.16 | 0.16 | 0.40 | 0.85 | 17.10 | 8.80 | 6.60 | 0.81 | 0.40 | 0.34 | 0.12 | 0.19 | | |
| 19 | 0.12 | 0.89 | 0.43 | 0.89 | 10.50 | 8.30 | 6.10 | 0.81 | 0.40 | 0.28 | 0.12 | 0.19 | | |
| 20 | 0.12 | 1.20 | 0.34 | 1.35 | 8.20 | 23.25 | 5.60 | 0.77 | 0.37 | 0.25 | 0.12 | 0.19 | | |
| 21 | 0.12 | 1.35 | 0.43 | 1.10 | 6.30 | 34.20 | 4.70 | 0.73 | 0.37 | 0.22 | 0.12 | 0.22 | | |
| 22 | 0.09 | 0.92 | 0.70 | 1.20 | 6.30 | 16.80 | 4.40 | 0.81 | 0.50 | 0.22 | 0.16 | 0.25 | | |
| 23 | 0.16 | 0.81 | 0.62 | 2.00 | 6.40 | 10.20 | 4.10 | 1.05 | 0.40 | 0.22 | 0.25 | 0.22 | | |
| 24 | 0.19 | 0.89 | 0.62 | 3.60 | 7.50 | 9.15 | 3.70 | 0.89 | 0.34 | 0.19 | 0.19 | 0.28 | | |
| 25 | 0.47 | 0.66 | 0.53 | 5.60 | 6.40 | 7.20 | 3.00 | 0.85 | 0.37 | 0.19 | 0.16 | 0.25 | | |
| 26 | 0.31 | 0.85 | 0.70 | 6.30 | 6.00 | 8.80 | 2.50 | 0.70 | 0.37 | 0.19 | 0.34 | 0.28 | | |
| 27 | 0.25 | 0.77 | 1.15 | 6.90 | 9.30 | 7.40 | 2.20 | 0.70 | 0.34 | 0.19 | 0.34 | 0.16 | | |
| 28 | 0.19 | 0.56 | 0.85 | 9.00 | 6.90 | 14.85 | 1.95 | 0.62 | 0.37 | 0.19 | 0.31 | 0.09 | | |
| 29 | 0.19 | 0.50 | 0.89 | 8.60 | 7.50 | 9.15 | 1.90 | 0.62 | 0.34 | 0.22 | | 0.09 | | |
| 30 | 0.19 | 0.40 | 0.81 | 8.00 | 22.65 | 7.70 | 1.85 | 0.59 | 0.34 | 0.25 | | 0.12 | | |
| 31 | | 0.34 | | 9.15 | 24.60 | | 2.90 | | 0.34 | 0.22 | | 0.09 | | |
| Total | 7.37 | 13.28 | 13.68 | 85.06 | 282.20 | 282.80 | 527.53 | 33.09 | 13.82 | 8.32 | 5.32 | 6.36 | 1278.83 | CMSDAY |
| Mean | 0.25 | 0.43 | 0.46 | 2.74 | 9.10 | 9.43 | 17.02 | 1.10 | 0.45 | 0.27 | 0.19 | 0.21 | 3.50 | CMS |
| Max | 0.62 | 1.35 | 1.15 | 9.15 | 24.60 | 34.20 | 94.28 | 2.50 | 0.59 | 0.37 | 0.34 | 0.31 | 94.28 | CMS |
| Min | 0.09 | 0.06 | 0.19 | 0.59 | 2.60 | 4.20 | 1.85 | 0.59 | 0.34 | 0.19 | 0.12 | 0.09 | 0.06 | CMS |
| Runoff | 0.64 | 1.15 | 1.18 | 7.35 | 24.38 | 24.43 | 45.58 | 2.86 | 1.19 | 0.72 | 0.46 | 0.55 | 110.49 | MCM |

Momentary Peak 128.50 CMS, at 7.49 m. (A.D.) , at 21.00 Hours , on Oct 2 , 2006

Runoff Yield 16.37 Liters/Second/Square KM. Momentary Peak Yield 600.47 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Dom Yai at Ban Kut Chiang Mun, Ubon Ratchathani (M.153)

Lat 14 - 26 - 41 N Long 105 - 07 - 30 E

**Location : on right bank at the bridge on road.**

**Ban** Kut Chiang Mun **Amphoe** Nam Yuen **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 373 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank downstream at the footpath of the bridge. **Elevation** +11.183 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1996 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +6.170 m.(A.D.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 46 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

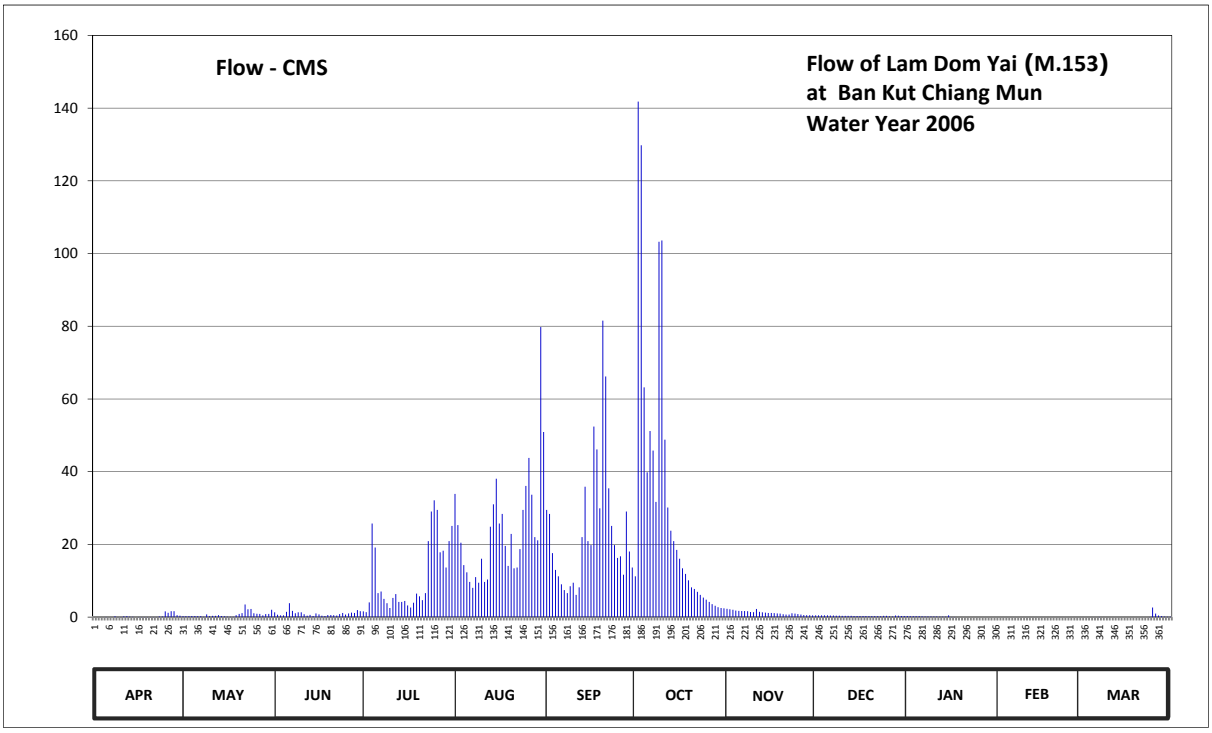
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.60 | 0.74 | 1.08 | 1.15 | 2.94 | 2.74 | 1.91 | 1.27 | 0.85 | 0.75 | 0.58 | 0.58 | |
| 2 | 0.60 | 0.74 | 0.91 | 1.09 | 2.55 | 2.69 | 6.27 | 1.25 | 0.85 | 0.73 | 0.58 | 0.58 | |
| 3 | 0.58 | 0.73 | 0.84 | 1.43 | 2.33 | 2.20 | 5.97 | 1.23 | 0.84 | 0.73 | 0.57 | 0.58 | |
| 4 | 0.59 | 0.76 | 0.83 | 2.57 | 2.05 | 1.99 | 4.04 | 1.20 | 0.84 | 0.72 | 0.57 | 0.58 | |
| 5 | 0.62 | 0.75 | 1.11 | 2.27 | 1.96 | 1.91 | 3.21 | 1.18 | 0.83 | 0.72 | 0.57 | 0.58 | |
| 6 | 0.59 | 0.74 | 1.41 | 1.64 | 1.84 | 1.81 | 3.64 | 1.17 | 0.81 | 0.71 | 0.58 | 0.58 | |
| 7 | 0.58 | 0.72 | 1.18 | 1.68 | 1.75 | 1.71 | 3.46 | 1.17 | 0.81 | 0.69 | 0.58 | 0.61 | |
| 8 | 0.71 | 0.64 | 1.01 | 1.51 | 1.90 | 1.64 | 2.84 | 1.16 | 0.80 | 0.68 | 0.59 | 0.60 | |
| 9 | 0.62 | 0.94 | 1.08 | 1.41 | 1.83 | 1.78 | 5.25 | 1.10 | 0.80 | 0.68 | 0.59 | 0.60 | |
| 10 | 0.63 | 0.74 | 1.08 | 1.30 | 2.13 | 1.83 | 5.26 | 1.09 | 0.78 | 0.68 | 0.58 | 0.59 | |
| 11 | 0.71 | 0.78 | 0.95 | 1.53 | 1.84 | 1.60 | 3.56 | 1.26 | 0.78 | 0.68 | 0.58 | 0.59 | |
| 12 | 0.72 | 0.78 | 0.80 | 1.62 | 1.87 | 1.76 | 2.77 | 1.11 | 0.77 | 0.67 | 0.58 | 0.59 | |
| 13 | 0.66 | 0.87 | 0.90 | 1.44 | 2.53 | 2.40 | 2.48 | 1.08 | 0.77 | 0.67 | 0.57 | 0.58 | |
| 14 | 0.64 | 0.76 | 0.75 | 1.44 | 2.81 | 3.03 | 2.35 | 1.06 | 0.76 | 0.67 | 0.57 | 0.58 | |
| 15 | 0.60 | 0.70 | 1.00 | 1.46 | 3.13 | 2.35 | 2.24 | 1.04 | 0.76 | 0.85 | 0.57 | 0.58 | |
| 16 | 0.62 | 0.66 | 0.94 | 1.36 | 2.57 | 2.30 | 2.13 | 1.03 | 0.76 | 0.61 | 0.57 | 0.58 | |
| 17 | 0.62 | 0.64 | 0.79 | 1.31 | 2.69 | 3.68 | 2.01 | 1.02 | 0.75 | 0.61 | 0.57 | 0.58 | |
| 18 | 0.62 | 0.64 | 0.76 | 1.42 | 2.29 | 3.47 | 1.94 | 1.00 | 0.75 | 0.60 | 0.57 | 0.58 | |
| 19 | 0.62 | 0.87 | 0.89 | 1.63 | 2.04 | 2.76 | 1.86 | 0.99 | 0.74 | 0.60 | 0.57 | 0.58 | |
| 20 | 0.61 | 0.97 | 0.89 | 1.57 | 2.44 | 4.63 | 1.76 | 0.95 | 0.73 | 0.60 | 0.56 | 0.58 | |
| 21 | 0.61 | 1.02 | 0.86 | 1.48 | 2.01 | 4.14 | 1.73 | 0.93 | 0.72 | 0.60 | 0.56 | 0.58 | |
| 22 | 0.61 | 1.38 | 0.82 | 1.64 | 2.02 | 3.01 | 1.67 | 0.92 | 0.72 | 0.60 | 0.56 | 0.58 | |
| 23 | 0.69 | 1.25 | 0.96 | 2.35 | 2.25 | 2.54 | 1.60 | 1.01 | 0.71 | 0.60 | 0.57 | 0.58 | |
| 24 | 0.69 | 1.26 | 1.03 | 2.72 | 2.74 | 2.30 | 1.54 | 0.99 | 0.77 | 0.60 | 0.57 | 0.61 | |
| 25 | 1.15 | 1.01 | 0.92 | 2.86 | 3.04 | 2.14 | 1.49 | 0.96 | 0.78 | 0.60 | 0.57 | 1.31 | |
| 26 | 1.05 | 0.98 | 1.00 | 2.74 | 3.39 | 2.16 | 1.44 | 0.92 | 0.70 | 0.59 | 0.58 | 0.99 | |
| 27 | 1.16 | 0.97 | 1.06 | 2.21 | 2.93 | 1.93 | 1.39 | 0.88 | 0.69 | 0.59 | 0.58 | 0.81 | |
| 28 | 1.16 | 0.85 | 1.04 | 2.23 | 2.40 | 2.72 | 1.35 | 0.87 | 0.81 | 0.58 | 0.58 | 0.72 | |
| 29 | 0.87 | 0.96 | 1.22 | 2.02 | 2.36 | 2.22 | 1.32 | 0.86 | 0.79 | 0.58 | | 0.67 | |
| 30 | 0.80 | 0.97 | 1.16 | 2.35 | 4.58 | 2.02 | 1.30 | 0.85 | 0.76 | 0.58 | | 0.64 | |
| 31 | | 1.23 | | 2.54 | 3.63 | | 1.29 | | 0.76 | 0.58 | | 0.64 | |
| Mean | 0.71 | 0.87 | 0.98 | 1.81 | 2.48 | 2.45 | 2.62 | 1.05 | 0.77 | 0.65 | 0.57 | 0.64 | |
| Max | 1.16 | 1.38 | 1.41 | 2.86 | 4.58 | 4.63 | 6.27 | 1.27 | 0.85 | 0.85 | 0.59 | 1.31 | 6.27 |
| Min | 0.58 | 0.64 | 0.75 | 1.09 | 1.75 | 1.60 | 1.29 | 0.85 | 0.69 | 0.58 | 0.56 | 0.58 | 0.56 |

Annual Max Momentary Gage Height 6.91 m. (A.D.) , at 15.00 Hours , on Oct 2, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.55 m. (A.D.)

Left Bank Elevation 6.57 m. (A.D.) ,

Right Bank Elevation 6.17 m. (A.D.) , Drainage Are 373 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.28 | 1.32 | 1.60 | 33.88 | 29.48 | 11.22 | 2.29 | 0.50 | 0.30 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.28 | 0.64 | 1.36 | 25.30 | 28.38 | 141.80 | 2.15 | 0.50 | 0.26 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.26 | 0.48 | 4.06 | 20.46 | 17.60 | 129.80 | 2.01 | 0.48 | 0.26 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.32 | 0.46 | 25.74 | 14.30 | 12.98 | 63.20 | 1.80 | 0.48 | 0.24 | 0.00 | 0.00 | | |
| 5 | 0.04 | 0.30 | 1.44 | 19.14 | 12.32 | 11.22 | 39.82 | 1.72 | 0.46 | 0.24 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.28 | 3.82 | 6.58 | 9.68 | 9.02 | 51.20 | 1.68 | 0.42 | 0.22 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.24 | 1.72 | 7.06 | 8.05 | 7.45 | 45.80 | 1.68 | 0.42 | 0.18 | 0.00 | 0.02 | | |
| 8 | 0.22 | 0.08 | 1.04 | 5.02 | 11.00 | 6.58 | 31.68 | 1.64 | 0.40 | 0.16 | 0.00 | 0.00 | | |
| 9 | 0.04 | 0.76 | 1.32 | 3.82 | 9.46 | 8.50 | 103.25 | 1.40 | 0.40 | 0.16 | 0.00 | 0.00 | | |
| 10 | 0.06 | 0.28 | 1.32 | 2.50 | 16.06 | 9.46 | 103.60 | 1.36 | 0.36 | 0.16 | 0.00 | 0.00 | | |
| 11 | 0.22 | 0.36 | 0.80 | 5.26 | 9.68 | 6.10 | 48.80 | 2.22 | 0.36 | 0.16 | 0.00 | 0.00 | | |
| 12 | 0.24 | 0.36 | 0.40 | 6.34 | 10.34 | 8.20 | 30.14 | 1.44 | 0.34 | 0.14 | 0.00 | 0.00 | | |
| 13 | 0.12 | 0.54 | 0.60 | 4.18 | 24.86 | 22.00 | 23.76 | 1.32 | 0.34 | 0.14 | 0.00 | 0.00 | | |
| 14 | 0.08 | 0.32 | 0.30 | 4.18 | 31.02 | 35.86 | 20.90 | 1.24 | 0.32 | 0.14 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.20 | 1.00 | 4.42 | 38.06 | 20.90 | 18.48 | 1.16 | 0.32 | 0.50 | 0.00 | 0.00 | | |
| 16 | 0.04 | 0.12 | 0.76 | 3.22 | 25.74 | 19.80 | 16.06 | 1.12 | 0.32 | 0.02 | 0.00 | 0.00 | | |
| 17 | 0.04 | 0.08 | 0.38 | 2.62 | 28.38 | 52.40 | 13.42 | 1.08 | 0.30 | 0.02 | 0.00 | 0.00 | | |
| 18 | 0.04 | 0.08 | 0.32 | 3.94 | 19.58 | 46.10 | 11.88 | 1.00 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.04 | 0.54 | 0.58 | 6.46 | 14.08 | 29.92 | 10.12 | 0.96 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.02 | 0.88 | 0.58 | 5.74 | 22.88 | 81.55 | 8.20 | 0.80 | 0.26 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.02 | 1.08 | 0.52 | 4.66 | 13.42 | 66.20 | 7.75 | 0.72 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.02 | 3.46 | 0.44 | 6.58 | 13.64 | 35.42 | 6.94 | 0.68 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.18 | 2.15 | 0.84 | 20.90 | 18.70 | 25.08 | 6.10 | 1.04 | 0.22 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.18 | 2.22 | 1.12 | 29.04 | 29.48 | 19.80 | 5.38 | 0.96 | 0.34 | 0.00 | 0.00 | 0.02 | | |
| 25 | 1.60 | 1.04 | 0.68 | 32.12 | 36.08 | 16.28 | 4.78 | 0.84 | 0.36 | 0.00 | 0.00 | 2.62 | | |
| 26 | 1.20 | 0.92 | 1.00 | 29.48 | 43.78 | 16.72 | 4.18 | 0.68 | 0.20 | 0.00 | 0.00 | 0.96 | | |
| 27 | 1.64 | 0.88 | 1.24 | 17.82 | 33.66 | 11.66 | 3.58 | 0.56 | 0.18 | 0.00 | 0.00 | 0.42 | | |
| 28 | 1.64 | 0.50 | 1.16 | 18.26 | 22.00 | 29.04 | 3.10 | 0.54 | 0.42 | 0.00 | 0.00 | 0.24 | | |
| 29 | 0.54 | 0.84 | 1.94 | 13.64 | 21.12 | 18.04 | 2.74 | 0.52 | 0.38 | 0.00 | | 0.14 | | |
| 30 | 0.40 | 0.88 | 1.64 | 20.90 | 79.80 | 13.64 | 2.50 | 0.50 | 0.32 | 0.00 | | 0.08 | | |
| 31 | | 2.01 | | 25.08 | 50.90 | | 2.43 | | 0.32 | 0.00 | | 0.08 | | |
| Total | 8.62 | 22.54 | 29.86 | 341.72 | 747.71 | 715.38 | 972.61 | 37.11 | 10.78 | 3.30 | 0.00 | 4.58 | 2894.21 | CMSDAY |
| Mean | 0.29 | 0.73 | 1.00 | 11.02 | 24.12 | 23.85 | 31.37 | 1.24 | 0.35 | 0.11 | 0.00 | 0.15 | 7.93 | CMS |
| Max | 1.64 | 3.46 | 3.82 | 32.12 | 79.80 | 81.55 | 141.80 | 2.29 | 0.50 | 0.50 | 0.00 | 2.62 | 141.80 | CMS |
| Min | 0.00 | 0.08 | 0.30 | 1.36 | 8.05 | 6.10 | 2.43 | 0.50 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.74 | 1.95 | 2.58 | 29.52 | 64.60 | 61.81 | 84.03 | 3.21 | 0.93 | 0.29 | 0.00 | 0.40 | 250.06 | MCM |

Momentary Peak 167.40 CMS, at 6.91 m. (A.D.) , at 15.00 Hours , on Oct 2, 2006

Runoff Yield 21.26 Liters/Second/Square KM. Momentary Peak Yield 448.79 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Luang at Ban Na Chaluai, Ubon Ratchathani (M.154)

Lat 14 - 27 - 06 N Long 105 - 11 - 34 E

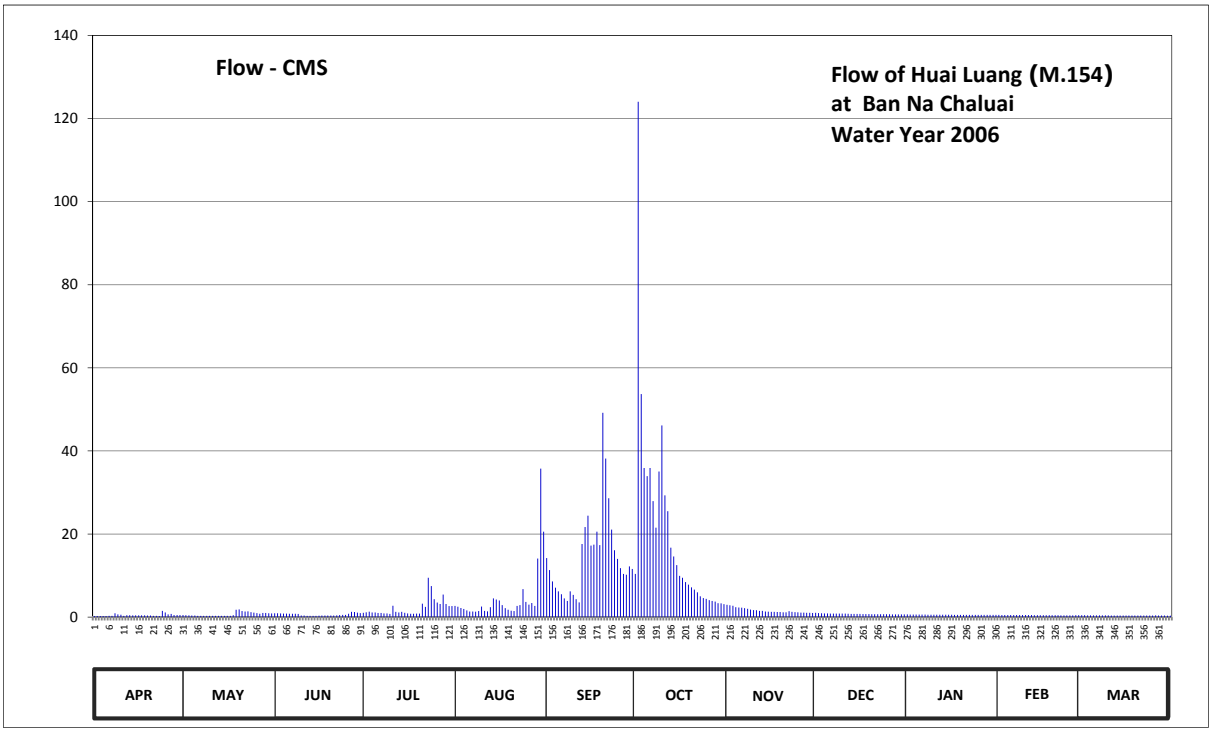
**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Na Chaluai | **Amphoe** Na Chaluai | **Changwat** Ubon Ratchathani |
| **Drainge Area** | 210 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank downstream at the footpath of the bridge. | | **Elevation** +10.124 m. (A.D.) |
| **Gage Reading Frequency** | 3-time daily readings at 06.00, 12.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 3 readings | | |
| **Period of Available Gage Records** | 1996 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +5.560 m.(A.D.), records are channel flow only. | | |
| **General Description** | Records very good. Stage-discharge relation defined by 48 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.87 | 1.00 | 1.21 | 1.27 | 1.72 | 3.21 | 2.83 | 1.77 | 1.26 | 1.07 | 1.01 | 0.98 | |
| 2 | 0.87 | 0.98 | 1.21 | 1.32 | 1.68 | 2.92 | 6.97 | 1.75 | 1.23 | 1.06 | 1.00 | 0.98 | |
| 3 | 0.87 | 0.96 | 1.19 | 1.40 | 1.62 | 2.61 | 5.77 | 1.73 | 1.22 | 1.06 | 1.00 | 0.97 | |
| 4 | 0.88 | 0.95 | 1.18 | 1.31 | 1.57 | 2.40 | 4.97 | 1.66 | 1.20 | 1.05 | 1.00 | 0.97 | |
| 5 | 0.88 | 0.94 | 1.17 | 1.30 | 1.50 | 2.27 | 4.83 | 1.64 | 1.19 | 1.05 | 1.00 | 0.97 | |
| 6 | 0.89 | 0.91 | 1.16 | 1.25 | 1.42 | 2.17 | 4.97 | 1.63 | 1.18 | 1.05 | 1.00 | 0.97 | |
| 7 | 0.89 | 0.91 | 1.15 | 1.25 | 1.42 | 2.03 | 4.40 | 1.61 | 1.18 | 1.05 | 1.00 | 0.96 | |
| 8 | 1.21 | 0.90 | 1.15 | 1.20 | 1.40 | 1.94 | 3.87 | 1.58 | 1.18 | 1.04 | 1.00 | 0.96 | |
| 9 | 1.07 | 0.90 | 1.14 | 1.20 | 1.45 | 2.27 | 4.91 | 1.54 | 1.18 | 1.04 | 1.00 | 0.96 | |
| 10 | 1.04 | 0.91 | 0.95 | 1.14 | 1.69 | 2.15 | 5.48 | 1.52 | 1.18 | 1.04 | 1.00 | 0.96 | |
| 11 | 0.90 | 0.91 | 0.95 | 1.73 | 1.47 | 2.00 | 4.50 | 1.51 | 1.17 | 1.03 | 1.00 | 0.95 | |
| 12 | 0.98 | 0.90 | 0.90 | 1.39 | 1.43 | 1.89 | 4.20 | 1.47 | 1.15 | 1.03 | 0.99 | 0.95 | |
| 13 | 0.98 | 0.90 | 0.89 | 1.30 | 1.66 | 3.54 | 3.46 | 1.46 | 1.14 | 1.03 | 0.98 | 0.95 | |
| 14 | 0.97 | 0.91 | 0.89 | 1.39 | 2.03 | 3.88 | 3.25 | 1.41 | 1.14 | 1.03 | 0.98 | 0.95 | |
| 15 | 0.97 | 0.90 | 0.89 | 1.26 | 1.99 | 4.11 | 3.04 | 1.40 | 1.14 | 1.03 | 0.98 | 0.94 | |
| 16 | 0.97 | 0.90 | 0.92 | 1.20 | 1.96 | 3.51 | 2.78 | 1.39 | 1.13 | 1.03 | 0.98 | 0.95 | |
| 17 | 0.96 | 0.90 | 0.95 | 1.15 | 1.76 | 3.53 | 2.72 | 1.38 | 1.12 | 1.02 | 0.98 | 0.95 | |
| 18 | 0.96 | 0.98 | 0.95 | 1.15 | 1.61 | 3.79 | 2.59 | 1.36 | 1.12 | 1.02 | 0.98 | 0.95 | |
| 19 | 0.95 | 1.53 | 0.95 | 1.17 | 1.53 | 3.52 | 2.50 | 1.36 | 1.11 | 1.02 | 0.98 | 0.95 | |
| 20 | 0.94 | 1.55 | 0.94 | 1.18 | 1.48 | 5.61 | 2.41 | 1.33 | 1.10 | 1.02 | 0.98 | 0.95 | |
| 21 | 0.91 | 1.45 | 0.94 | 1.83 | 1.45 | 5.11 | 2.33 | 1.32 | 1.10 | 1.02 | 0.98 | 0.95 | |
| 22 | 0.90 | 1.41 | 0.96 | 1.67 | 1.72 | 4.45 | 2.24 | 1.44 | 1.09 | 1.02 | 0.96 | 0.95 | |
| 23 | 0.88 | 1.43 | 1.00 | 2.72 | 1.76 | 3.83 | 2.10 | 1.39 | 1.09 | 1.01 | 0.96 | 0.95 | |
| 24 | 1.46 | 1.35 | 1.01 | 2.45 | 2.35 | 3.40 | 2.04 | 1.35 | 1.09 | 1.01 | 0.96 | 0.95 | |
| 25 | 1.31 | 1.29 | 1.01 | 2.00 | 1.91 | 3.19 | 2.01 | 1.33 | 1.09 | 1.01 | 0.96 | 0.95 | |
| 26 | 1.07 | 1.23 | 1.15 | 1.88 | 1.78 | 2.97 | 1.97 | 1.29 | 1.09 | 1.01 | 0.97 | 0.96 | |
| 27 | 1.14 | 1.16 | 1.39 | 1.81 | 1.86 | 2.83 | 1.94 | 1.28 | 1.08 | 1.01 | 0.98 | 0.95 | |
| 28 | 1.00 | 1.24 | 1.37 | 2.16 | 1.72 | 2.81 | 1.92 | 1.27 | 1.08 | 1.01 | 0.98 | 0.94 | |
| 29 | 1.00 | 1.24 | 1.28 | 1.81 | 3.20 | 3.01 | 1.85 | 1.26 | 1.08 | 1.01 | | 0.94 | |
| 30 | 1.00 | 1.21 | 1.23 | 1.71 | 4.96 | 2.95 | 1.84 | 1.25 | 1.08 | 1.01 | | 0.93 | |
| 31 | | 1.20 | | 1.71 | 3.79 | | 1.80 | | 1.07 | 1.01 | | 0.93 | |
| Mean | 0.99 | 1.10 | 1.07 | 1.53 | 1.90 | 3.13 | 3.31 | 1.46 | 1.14 | 1.03 | 0.99 | 0.95 | |
| Max | 1.46 | 1.55 | 1.39 | 2.72 | 4.96 | 5.61 | 6.97 | 1.77 | 1.26 | 1.07 | 1.01 | 0.98 | 6.97 |
| Min | 0.87 | 0.90 | 0.89 | 1.14 | 1.40 | 1.89 | 1.80 | 1.25 | 1.07 | 1.01 | 0.96 | 0.93 | 0.87 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 7.24 | m. (A.D.) , | at 12.00 Hours , on Oct 2, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.70 | m. (A.D.) |
| Left Bank Elevation | 6.99 | m. (A.D.) , | | | |
| Right Bank Elevation | 5.55 | m. (A.D.) , | Drainage Are | 210 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.26 | 0.50 | 0.92 | 1.04 | 2.70 | 14.20 | 10.40 | 2.95 | 1.02 | 0.64 | 0.52 | 0.46 | | |
| 2 | 0.26 | 0.46 | 0.92 | 1.14 | 2.50 | 11.30 | 124.05 | 2.85 | 0.96 | 0.62 | 0.50 | 0.46 | | |
| 3 | 0.26 | 0.42 | 0.88 | 1.30 | 2.20 | 8.58 | 53.66 | 2.75 | 0.94 | 0.62 | 0.50 | 0.44 | | |
| 4 | 0.27 | 0.40 | 0.86 | 1.12 | 1.95 | 7.10 | 35.88 | 2.40 | 0.90 | 0.60 | 0.50 | 0.44 | | |
| 5 | 0.27 | 0.38 | 0.84 | 1.10 | 1.60 | 6.19 | 33.92 | 2.30 | 0.88 | 0.60 | 0.50 | 0.44 | | |
| 6 | 0.29 | 0.32 | 0.82 | 1.00 | 1.36 | 5.49 | 35.88 | 2.25 | 0.86 | 0.60 | 0.50 | 0.44 | | |
| 7 | 0.29 | 0.32 | 0.80 | 1.00 | 1.36 | 4.51 | 27.90 | 2.15 | 0.86 | 0.60 | 0.50 | 0.42 | | |
| 8 | 0.92 | 0.30 | 0.80 | 0.90 | 1.30 | 3.88 | 21.54 | 2.00 | 0.86 | 0.58 | 0.50 | 0.42 | | |
| 9 | 0.64 | 0.30 | 0.78 | 0.90 | 1.45 | 6.19 | 35.04 | 1.80 | 0.86 | 0.58 | 0.50 | 0.42 | | |
| 10 | 0.58 | 0.32 | 0.40 | 0.78 | 2.55 | 5.35 | 46.14 | 1.70 | 0.86 | 0.58 | 0.50 | 0.42 | | |
| 11 | 0.30 | 0.32 | 0.40 | 2.75 | 1.51 | 4.30 | 29.30 | 1.65 | 0.84 | 0.56 | 0.50 | 0.40 | | |
| 12 | 0.46 | 0.30 | 0.30 | 1.28 | 1.39 | 3.55 | 25.50 | 1.51 | 0.80 | 0.56 | 0.48 | 0.40 | | |
| 13 | 0.46 | 0.30 | 0.29 | 1.10 | 2.40 | 17.58 | 16.70 | 1.48 | 0.78 | 0.56 | 0.46 | 0.40 | | |
| 14 | 0.44 | 0.32 | 0.29 | 1.28 | 4.51 | 21.66 | 14.60 | 1.33 | 0.78 | 0.56 | 0.46 | 0.40 | | |
| 15 | 0.44 | 0.30 | 0.29 | 1.02 | 4.23 | 24.42 | 12.50 | 1.30 | 0.78 | 0.56 | 0.46 | 0.38 | | |
| 16 | 0.44 | 0.30 | 0.34 | 0.90 | 4.02 | 17.22 | 9.94 | 1.28 | 0.76 | 0.56 | 0.46 | 0.40 | | |
| 17 | 0.42 | 0.30 | 0.40 | 0.80 | 2.90 | 17.46 | 9.46 | 1.26 | 0.74 | 0.54 | 0.46 | 0.40 | | |
| 18 | 0.42 | 0.46 | 0.40 | 0.80 | 2.15 | 20.58 | 8.43 | 1.22 | 0.74 | 0.54 | 0.46 | 0.40 | | |
| 19 | 0.40 | 1.75 | 0.40 | 0.84 | 1.75 | 17.34 | 7.80 | 1.22 | 0.72 | 0.54 | 0.46 | 0.40 | | |
| 20 | 0.38 | 1.85 | 0.38 | 0.86 | 1.54 | 49.18 | 7.17 | 1.16 | 0.70 | 0.54 | 0.46 | 0.40 | | |
| 21 | 0.32 | 1.45 | 0.38 | 3.25 | 1.45 | 38.17 | 6.61 | 1.14 | 0.70 | 0.54 | 0.46 | 0.40 | | |
| 22 | 0.30 | 1.33 | 0.42 | 2.45 | 2.70 | 28.60 | 5.98 | 1.42 | 0.68 | 0.54 | 0.42 | 0.40 | | |
| 23 | 0.27 | 1.39 | 0.50 | 9.46 | 2.90 | 21.06 | 5.00 | 1.28 | 0.68 | 0.52 | 0.42 | 0.40 | | |
| 24 | 1.48 | 1.20 | 0.52 | 7.45 | 6.75 | 16.10 | 4.58 | 1.20 | 0.68 | 0.52 | 0.42 | 0.40 | | |
| 25 | 1.12 | 1.08 | 0.52 | 4.30 | 3.67 | 14.00 | 4.37 | 1.16 | 0.68 | 0.52 | 0.42 | 0.40 | | |
| 26 | 0.64 | 0.96 | 0.80 | 3.50 | 3.00 | 11.80 | 4.09 | 1.08 | 0.68 | 0.52 | 0.44 | 0.42 | | |
| 27 | 0.78 | 0.82 | 1.28 | 3.15 | 3.40 | 10.40 | 3.88 | 1.06 | 0.66 | 0.52 | 0.46 | 0.40 | | |
| 28 | 0.50 | 0.98 | 1.24 | 5.42 | 2.70 | 10.20 | 3.74 | 1.04 | 0.66 | 0.52 | 0.46 | 0.38 | | |
| 29 | 0.50 | 0.98 | 1.06 | 3.15 | 14.10 | 12.20 | 3.35 | 1.02 | 0.66 | 0.52 | | 0.38 | | |
| 30 | 0.50 | 0.92 | 0.96 | 2.65 | 35.74 | 11.60 | 3.30 | 1.00 | 0.66 | 0.52 | | 0.36 | | |
| 31 | | 0.90 | | 2.65 | 20.58 | | 3.10 | | 0.64 | 0.52 | | 0.36 | | |
| Total | 14.61 | 21.93 | 19.19 | 69.34 | 142.36 | 440.21 | 613.81 | 47.96 | 24.02 | 17.30 | 13.18 | 12.64 | 1436.55 | CMSDAY |
| Mean | 0.49 | 0.71 | 0.64 | 2.24 | 4.59 | 14.67 | 19.80 | 1.60 | 0.77 | 0.56 | 0.47 | 0.41 | 3.94 | CMS |
| Max | 1.48 | 1.85 | 1.28 | 9.46 | 35.74 | 49.18 | 124.05 | 2.95 | 1.02 | 0.64 | 0.52 | 0.46 | 124.05 | CMS |
| Min | 0.26 | 0.30 | 0.29 | 0.78 | 1.30 | 3.55 | 3.10 | 1.00 | 0.64 | 0.52 | 0.42 | 0.36 | 0.26 | CMS |
| Runoff | 1.26 | 1.89 | 1.66 | 5.99 | 12.30 | 38.03 | 53.03 | 4.14 | 2.08 | 1.49 | 1.14 | 1.09 | 124.12 | MCM |

Momentary Peak 169.00 CMS, at 7.24 m. (A.D.) , at 12.00 Hours , on Oct 2, 2006

Runoff Yield 18.74 Liters/Second/Square KM. Momentary Peak Yield 804.76 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai La - ong at Ban Na Phu, Amnart Charoen (M.155)

Lat 16 - 00 - 15 N Long 104 - 38 - 39 E

**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Na Phu | **Amphoe** Mueang | **Changwat** Amnart Charoen |
| **Drainge Area** | 219 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank upstream side at the footpath of the bridge. | **Elevation** | +9.545 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1997 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1997 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1997 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. The weir situated about 1.5 kilometers downstream from the gage site. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

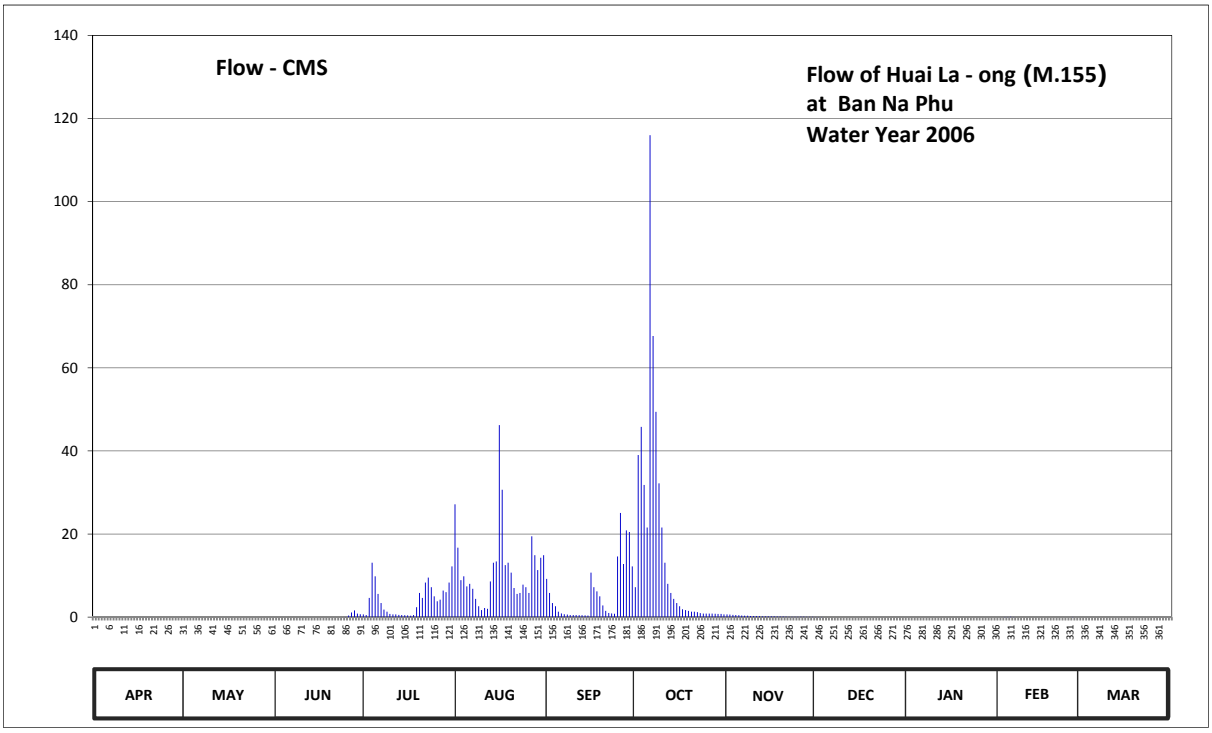
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.46 | 0.45 | 0.47 | 0.73 | 1.79 | 1.24 | 1.16 | 0.73 | 0.52 | 0.49 | 0.49 | 0.47 | |
| 2 | 0.46 | 0.45 | 0.45 | 0.69 | 1.49 | 1.09 | 2.10 | 0.72 | 0.52 | 0.49 | 0.50 | 0.47 | |
| 3 | 0.46 | 0.45 | 0.44 | 1.03 | 1.23 | 0.97 | 2.27 | 0.71 | 0.51 | 0.49 | 0.51 | 0.47 | |
| 4 | 0.46 | 0.45 | 0.44 | 1.37 | 1.26 | 0.93 | 1.92 | 0.70 | 0.50 | 0.49 | 0.52 | 0.47 | |
| 5 | 0.46 | 0.45 | 0.44 | 1.26 | 1.17 | 0.83 | 1.63 | 0.68 | 0.50 | 0.49 | 0.53 | 0.46 | |
| 6 | 0.46 | 0.44 | 0.44 | 1.08 | 1.20 | 0.78 | 3.76 | 0.66 | 0.50 | 0.49 | 0.51 | 0.46 | |
| 7 | 0.46 | 0.44 | 0.44 | 0.97 | 1.14 | 0.74 | 2.77 | 0.64 | 0.49 | 0.49 | 0.49 | 0.46 | |
| 8 | 0.47 | 0.44 | 0.44 | 0.88 | 1.02 | 0.72 | 2.36 | 0.63 | 0.49 | 0.49 | 0.47 | 0.46 | |
| 9 | 0.48 | 0.44 | 0.43 | 0.83 | 0.93 | 0.70 | 1.93 | 0.61 | 0.49 | 0.49 | 0.47 | 0.50 | |
| 10 | 0.46 | 0.43 | 0.43 | 0.75 | 0.87 | 0.70 | 1.63 | 0.60 | 0.49 | 0.49 | 0.47 | 0.51 | |
| 11 | 0.46 | 0.46 | 0.43 | 0.73 | 0.91 | 0.69 | 1.37 | 0.60 | 0.48 | 0.49 | 0.47 | 0.52 | |
| 12 | 0.45 | 0.46 | 0.43 | 0.73 | 0.90 | 0.68 | 1.20 | 0.59 | 0.48 | 0.49 | 0.47 | 0.54 | |
| 13 | 0.45 | 0.45 | 0.43 | 0.71 | 1.22 | 0.68 | 1.09 | 0.58 | 0.48 | 0.50 | 0.47 | 0.56 | |
| 14 | 0.45 | 0.45 | 0.43 | 0.69 | 1.37 | 0.67 | 1.02 | 0.58 | 0.48 | 0.50 | 0.48 | 0.57 | |
| 15 | 0.46 | 0.44 | 0.42 | 0.68 | 1.38 | 0.65 | 0.97 | 0.57 | 0.48 | 0.50 | 0.49 | 0.58 | |
| 16 | 0.45 | 0.43 | 0.42 | 0.67 | 2.28 | 1.29 | 0.93 | 0.57 | 0.48 | 0.50 | 0.48 | 0.59 | |
| 17 | 0.45 | 0.42 | 0.42 | 0.63 | 1.89 | 1.16 | 0.89 | 0.57 | 0.48 | 0.50 | 0.47 | 0.60 | |
| 18 | 0.45 | 0.41 | 0.49 | 0.70 | 1.35 | 1.11 | 0.87 | 0.56 | 0.48 | 0.50 | 0.47 | 0.62 | |
| 19 | 0.45 | 0.44 | 0.49 | 0.92 | 1.37 | 1.05 | 0.85 | 0.56 | 0.48 | 0.50 | 0.47 | 0.62 | |
| 20 | 0.45 | 0.42 | 0.49 | 1.09 | 1.29 | 0.94 | 0.83 | 0.56 | 0.48 | 0.50 | 0.47 | 0.62 | |
| 21 | 0.45 | 0.41 | 0.48 | 1.03 | 1.15 | 0.85 | 0.83 | 0.55 | 0.48 | 0.49 | 0.47 | 0.62 | |
| 22 | 0.45 | 0.41 | 0.50 | 1.21 | 1.08 | 0.80 | 0.82 | 0.53 | 0.49 | 0.49 | 0.47 | 0.63 | |
| 23 | 0.45 | 0.42 | 0.47 | 1.25 | 1.09 | 0.78 | 0.79 | 0.53 | 0.49 | 0.49 | 0.47 | 0.64 | |
| 24 | 0.45 | 0.43 | 0.46 | 1.16 | 1.19 | 0.76 | 0.77 | 0.53 | 0.49 | 0.49 | 0.47 | 0.66 | |
| 25 | 0.45 | 0.42 | 0.51 | 1.05 | 1.16 | 1.42 | 0.77 | 0.53 | 0.49 | 0.49 | 0.47 | 0.67 | |
| 26 | 0.45 | 0.42 | 0.65 | 0.99 | 1.09 | 1.73 | 0.77 | 0.54 | 0.49 | 0.49 | 0.51 | 0.67 | |
| 27 | 0.45 | 0.42 | 0.81 | 1.01 | 1.57 | 1.36 | 0.77 | 0.54 | 0.49 | 0.48 | 0.48 | 0.68 | |
| 28 | 0.45 | 0.44 | 0.86 | 1.12 | 1.43 | 1.61 | 0.76 | 0.53 | 0.49 | 0.48 | 0.47 | 0.69 | |
| 29 | 0.45 | 0.45 | 0.77 | 1.10 | 1.31 | 1.60 | 0.75 | 0.53 | 0.49 | 0.48 | | 0.70 | |
| 30 | 0.45 | 0.50 | 0.74 | 1.21 | 1.41 | 1.34 | 0.75 | 0.53 | 0.49 | 0.48 | | 0.72 | |
| 31 | | 0.47 | | 1.34 | 1.43 | | 0.73 | | 0.49 | 0.48 | | 0.72 | |
| Mean | 0.45 | 0.44 | 0.50 | 0.96 | 1.29 | 1.00 | 1.29 | 0.59 | 0.49 | 0.49 | 0.48 | 0.58 | |
| Max | 0.48 | 0.50 | 0.86 | 1.37 | 2.28 | 1.73 | 3.76 | 0.73 | 0.52 | 0.50 | 0.53 | 0.72 | 3.76 |
| Min | 0.45 | 0.41 | 0.42 | 0.63 | 0.87 | 0.65 | 0.73 | 0.53 | 0.48 | 0.48 | 0.47 | 0.46 | 0.41 |

Annual Max Momentary Gage Height 3.97 m. (A.D.) , at 15.00 Hours , on Oct 6, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.50 m. (A.D.)

Left Bank Elevation 5.47 m. (A.D.) ,

Right Bank Elevation 6.24 m. (A.D.) , Drainage Are 219 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.65 | 27.15 | 9.20 | 7.20 | 0.65 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.48 | 16.70 | 5.80 | 39.00 | 0.60 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 4.60 | 8.90 | 3.40 | 45.80 | 0.55 | 0.03 | 0.00 | 0.03 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 13.10 | 9.80 | 2.60 | 31.80 | 0.50 | 0.00 | 0.00 | 0.05 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 9.80 | 7.40 | 1.30 | 21.55 | 0.45 | 0.00 | 0.00 | 0.08 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 5.60 | 8.00 | 0.90 | 116.00 | 0.40 | 0.00 | 0.00 | 0.03 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 3.40 | 6.80 | 0.70 | 67.65 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 1.80 | 4.40 | 0.60 | 49.40 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 1.30 | 2.60 | 0.50 | 32.20 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.75 | 1.70 | 0.50 | 21.55 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.65 | 2.20 | 0.48 | 13.10 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.65 | 2.00 | 0.45 | 8.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.55 | 8.60 | 0.45 | 5.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.48 | 13.10 | 0.43 | 4.40 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.45 | 13.40 | 0.38 | 3.40 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.43 | 46.20 | 10.70 | 2.60 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.33 | 30.65 | 7.20 | 1.90 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.50 | 12.50 | 6.20 | 1.70 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 2.40 | 13.10 | 5.00 | 1.50 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 5.80 | 10.70 | 2.80 | 1.30 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 4.60 | 7.00 | 1.50 | 1.30 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 8.30 | 5.60 | 1.00 | 1.20 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 9.50 | 5.80 | 0.90 | 0.95 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 7.20 | 7.80 | 0.80 | 0.85 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.03 | 5.00 | 7.20 | 14.60 | 0.85 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.38 | 3.80 | 5.80 | 25.05 | 0.85 | 0.10 | 0.00 | 0.00 | 0.03 | 0.00 | | |
| 27 | 0.00 | 0.00 | 1.10 | 4.20 | 19.45 | 12.80 | 0.85 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 1.60 | 6.40 | 14.90 | 20.85 | 0.80 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.85 | 6.00 | 11.30 | 20.50 | 0.75 | 0.08 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.70 | 8.30 | 14.30 | 12.20 | 0.75 | 0.08 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 12.20 | 14.90 | | 0.65 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 4.66 | 129.22 | 359.95 | 169.79 | 485.65 | 7.12 | 0.13 | 0.00 | 0.22 | 0.00 | 1156.74 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.16 | 4.17 | 11.61 | 5.66 | 15.67 | 0.24 | 0.00 | 0.00 | 0.01 | 0.00 | 3.17 | CMS |
| Max | 0.00 | 0.00 | 1.60 | 13.10 | 46.20 | 25.05 | 116.00 | 0.65 | 0.05 | 0.00 | 0.08 | 0.00 | 116.00 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.33 | 1.70 | 0.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.40 | 11.16 | 31.10 | 14.67 | 41.96 | 0.62 | 0.01 | 0.00 | 0.02 | 0.00 | 99.94 | MCM |

Momentary Peak 126.50 CMS, at 3.97 m. (A.D.) , at 15.00 Hours , on Oct 6, 2006

Runoff Yield 14.47 Liters/Second/Square KM. Momentary Peak Yield 577.63 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Ban at Ban Na Phu, Amnart Charoen (M.156)

Lat 15 - 59 - 14 N Long 104 - 38 - 28 E

**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Na Phu | **Amphoe** Mueang | **Changwat** Amnart Charoen |
| **Drainge Area** | 40 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the footpath of the bridge. | | **Elevation** +6.230 m. (A.D.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1997 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1997 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1997 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +3.220 m.(A.D.), records are channel flow only. | | |
| **General Description** | Records fair. The concrete weir situated about 250 meters downstream from the gage site. Stage-discharge relation defined by 19 diacharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

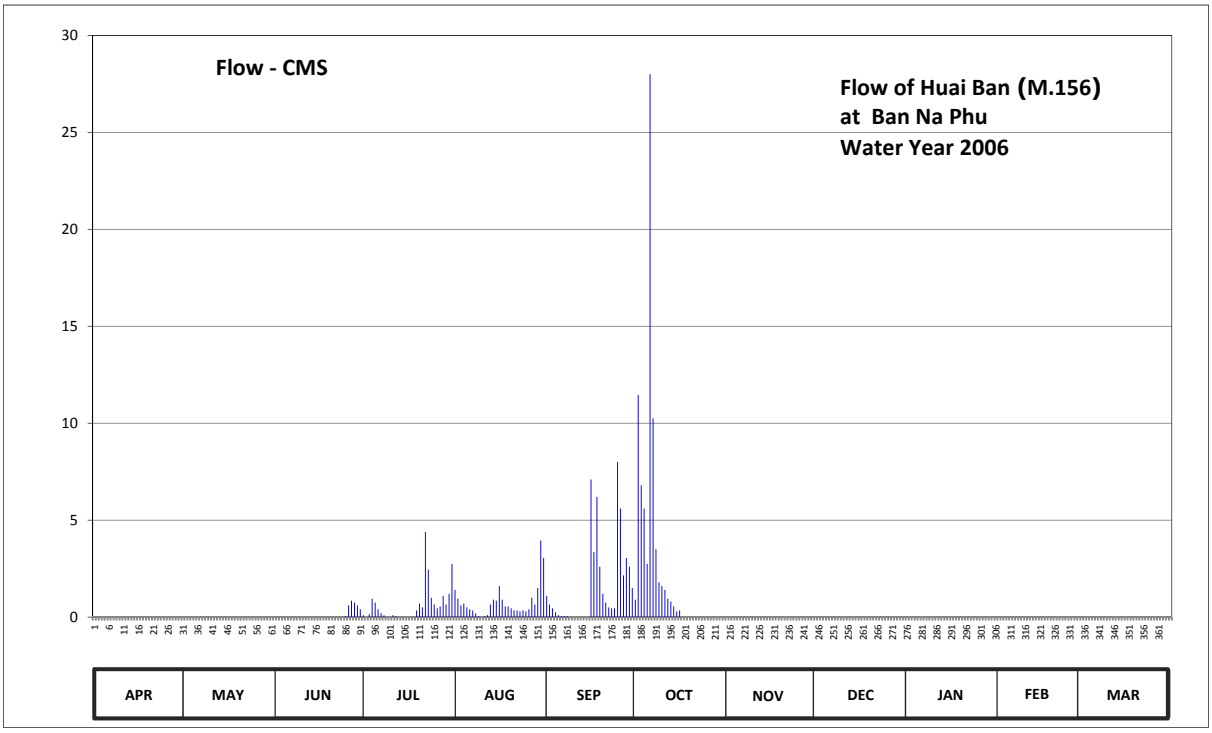
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.83 | 0.74 | 1.02 | 1.72 | 1.94 | 1.91 | 1.88 | 1.76 | 1.76 | 1.45 | 1.14 | 1.06 | |
| 2 | 0.82 | 0.73 | 1.00 | 1.68 | 1.89 | 1.83 | 2.63 | 1.76 | 1.76 | 1.44 | 1.13 | 1.06 | |
| 3 | 0.81 | 0.72 | 1.00 | 1.73 | 1.82 | 1.79 | 2.32 | 1.75 | 1.75 | 1.43 | 1.12 | 1.06 | |
| 4 | 0.80 | 0.71 | 1.00 | 1.89 | 1.84 | 1.75 | 2.24 | 1.75 | 1.75 | 1.42 | 1.11 | 1.06 | |
| 5 | 0.79 | 0.70 | 1.00 | 1.85 | 1.80 | 1.72 | 2.05 | 1.75 | 1.75 | 1.41 | 1.10 | 1.06 | |
| 6 | 0.78 | 0.69 | 1.00 | 1.78 | 1.78 | 1.71 | 3.55 | 1.74 | 1.75 | 1.40 | 1.09 | 1.05 | |
| 7 | 0.77 | 0.68 | 1.00 | 1.74 | 1.77 | 1.71 | 2.55 | 1.74 | 1.74 | 1.39 | 1.08 | 1.03 | |
| 8 | 0.77 | 0.66 | 1.00 | 1.72 | 1.74 | 1.71 | 2.10 | 1.74 | 1.74 | 1.38 | 1.07 | 1.01 | |
| 9 | 0.88 | 0.65 | 1.00 | 1.70 | 1.71 | 1.70 | 1.98 | 1.74 | 1.74 | 1.37 | 1.06 | 0.99 | |
| 10 | 0.87 | 0.65 | 0.99 | 1.70 | 1.70 | 1.70 | 1.96 | 1.73 | 1.73 | 1.36 | 1.05 | 0.98 | |
| 11 | 0.86 | 0.65 | 0.99 | 1.72 | 1.71 | 1.70 | 1.94 | 1.73 | 1.73 | 1.35 | 1.04 | 0.98 | |
| 12 | 0.85 | 0.64 | 0.99 | 1.71 | 1.72 | 1.70 | 1.89 | 1.73 | 1.72 | 1.34 | 1.03 | 0.97 | |
| 13 | 0.84 | 0.63 | 0.99 | 1.70 | 1.83 | 1.69 | 1.86 | 1.73 | 1.70 | 1.33 | 1.01 | 0.94 | |
| 14 | 0.83 | 0.62 | 0.98 | 1.70 | 1.88 | 1.69 | 1.81 | 1.73 | 1.68 | 1.32 | 0.98 | 0.83 | |
| 15 | 0.85 | 0.61 | 0.94 | 1.69 | 1.87 | 1.69 | 1.76 | 1.73 | 1.66 | 1.31 | 0.97 | 0.80 | |
| 16 | 0.84 | 0.60 | 0.89 | 1.70 | 1.96 | 2.34 | 1.77 | 1.73 | 1.64 | 1.30 | 0.96 | 0.80 | |
| 17 | 0.83 | 0.59 | 0.83 | 1.69 | 1.88 | 2.09 | 1.79 | 1.73 | 1.62 | 1.29 | 0.95 | 0.79 | |
| 18 | 0.82 | 0.58 | 1.14 | 1.70 | 1.81 | 2.28 | 1.79 | 1.73 | 1.60 | 1.28 | 0.94 | 0.84 | |
| 19 | 0.82 | 0.57 | 1.28 | 1.77 | 1.81 | 2.04 | 1.79 | 1.73 | 1.59 | 1.27 | 0.93 | 0.83 | |
| 20 | 0.81 | 0.55 | 1.49 | 1.84 | 1.79 | 1.92 | 1.79 | 1.73 | 1.57 | 1.26 | 0.92 | 0.82 | |
| 21 | 0.80 | 0.54 | 1.64 | 1.80 | 1.77 | 1.85 | 1.78 | 1.73 | 1.56 | 1.25 | 0.90 | 0.80 | |
| 22 | 0.79 | 0.53 | 1.64 | 2.16 | 1.77 | 1.80 | 1.78 | 1.73 | 1.55 | 1.24 | 0.89 | 0.78 | |
| 23 | 0.78 | 0.52 | 1.64 | 2.03 | 1.76 | 1.79 | 1.78 | 1.73 | 1.54 | 1.23 | 0.88 | 0.77 | |
| 24 | 0.77 | 0.52 | 1.68 | 1.90 | 1.77 | 1.79 | 1.77 | 1.73 | 1.53 | 1.22 | 0.87 | 0.78 | |
| 25 | 0.79 | 0.51 | 1.71 | 1.83 | 1.76 | 2.40 | 1.77 | 1.74 | 1.52 | 1.21 | 0.86 | 0.78 | |
| 26 | 0.78 | 0.50 | 1.82 | 1.79 | 1.78 | 2.24 | 1.77 | 1.75 | 1.51 | 1.20 | 1.06 | 0.78 | |
| 27 | 0.77 | 0.50 | 1.87 | 1.81 | 1.90 | 2.01 | 1.77 | 1.75 | 1.50 | 1.19 | 1.08 | 0.76 | |
| 28 | 0.76 | 0.73 | 1.85 | 1.91 | 1.83 | 2.07 | 1.77 | 1.75 | 1.49 | 1.18 | 1.08 | 0.75 | |
| 29 | 0.75 | 0.69 | 1.82 | 1.83 | 1.95 | 2.04 | 1.77 | 1.75 | 1.48 | 1.17 | | 0.77 | |
| 30 | 0.74 | 0.85 | 1.78 | 1.92 | 2.13 | 1.95 | 1.77 | 1.76 | 1.47 | 1.16 | | 0.75 | |
| 31 | | 0.85 | | 2.05 | 2.07 | | 1.76 | | 1.46 | 1.15 | | 0.73 | |
| Mean | 0.81 | 0.64 | 1.27 | 1.80 | 1.83 | 1.89 | 1.97 | 1.74 | 1.63 | 1.30 | 1.01 | 0.88 | |
| Max | 0.88 | 0.85 | 1.87 | 2.16 | 2.13 | 2.40 | 3.55 | 1.76 | 1.76 | 1.45 | 1.14 | 1.06 | 3.55 |
| Min | 0.74 | 0.50 | 0.83 | 1.68 | 1.70 | 1.69 | 1.76 | 1.73 | 1.46 | 1.15 | 0.86 | 0.73 | 0.50 |

Annual Max Momentary Gage Height 4.01 m. (A.D.) , at 16.00 Hours , on Oct 6, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.32 m. (A.D.)

Left Bank Elevation 3.40 m. (A.D.) ,

Right Bank Elevation 3.21 m. (A.D.) , Drainage Are 40 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.10 | 1.40 | 1.10 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.65 | 11.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.15 | 0.60 | 0.45 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.95 | 0.70 | 0.25 | 5.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.75 | 0.50 | 0.10 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.40 | 0.40 | 0.05 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.20 | 0.35 | 0.05 | 10.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.10 | 0.20 | 0.05 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.10 | 0.05 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 7.10 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 6.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.35 | 0.55 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.70 | 0.45 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.50 | 0.35 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 4.40 | 0.35 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 2.45 | 0.30 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 1.00 | 0.35 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.05 | 0.65 | 0.30 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.60 | 0.45 | 0.40 | 5.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.85 | 0.55 | 1.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.75 | 1.10 | 0.65 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.60 | 0.65 | 1.50 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.40 | 1.20 | 3.95 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 2.75 | 3.05 | | 0.00 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 3.25 | 19.55 | 23.95 | 48.20 | 77.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 171.95 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.11 | 0.63 | 0.77 | 1.61 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | CMS |
| Max | 0.00 | 0.00 | 0.85 | 4.40 | 3.95 | 8.00 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.00 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.28 | 1.69 | 2.07 | 4.16 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.86 | MCM |

Momentary Peak 37.20 CMS, at 4.01 m. (A.D.) , at 16.00 Hours , on Oct 6, 2006

Runoff Yield 11.78 Liters/Second/Square KM. Momentary Peak Yield 930.00 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Lam Phong at Ban Nikhom, Yasothon (M.157)

Lat 15 - 48 - 17 N Long 104 - 19 - 52 E

**Location : on right bank at the bridge of Arun Prasoet road.**

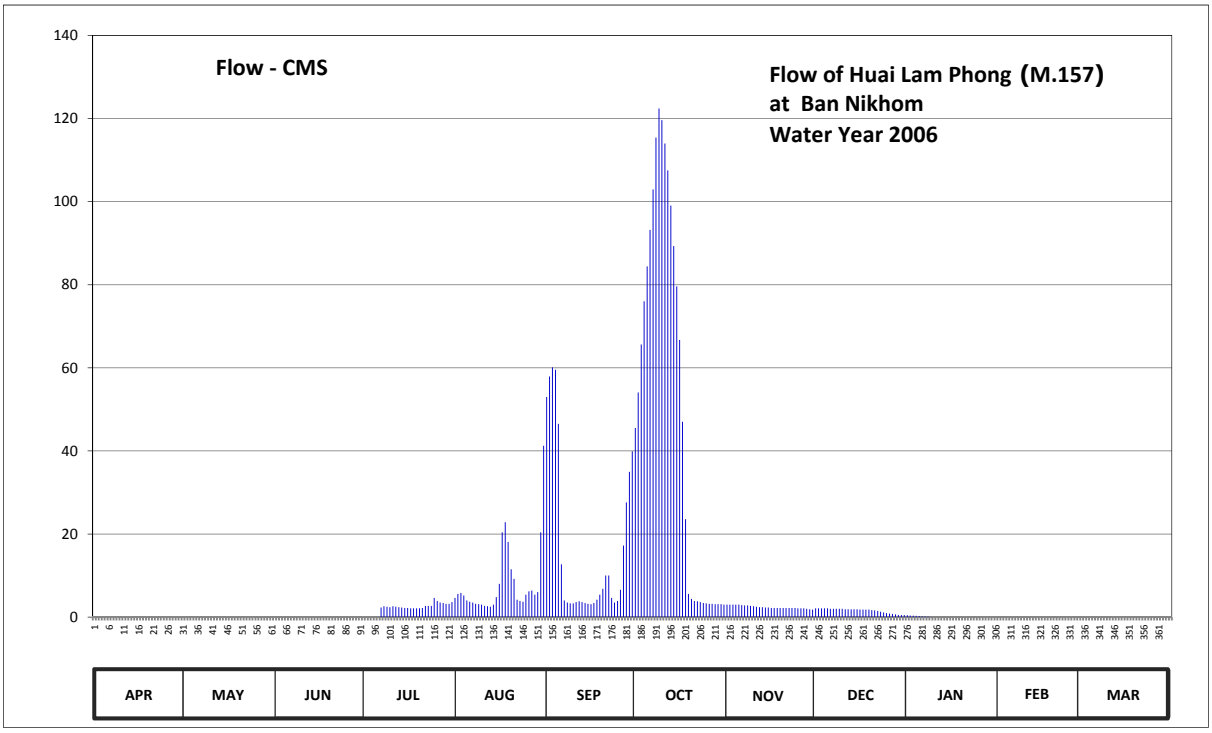
**Ban** Nikhom **Amphoe** Pa Tio **Changwat** Yasothon

| | |
|---|---|
| **Drainge Area** | 729 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank upstream side of the footpath of the bridge. **Elevation** +10.090 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 1997 - 1999, 2001 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1997 - 1999, 2001 to date. |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +5.680 m.(A.D.), records are channel flow only. |
| **General Description** | Records poor. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.66 | 2.67 | 2.14 | 1.45 | 3.93 | 5.29 | 5.14 | 3.80 | 3.71 | 3.49 | 3.11 | 2.69 | |
| 2 | 2.68 | 2.66 | 2.12 | 1.50 | 3.98 | 5.38 | 5.31 | 3.80 | 3.71 | 3.48 | 3.09 | 2.68 | |
| 3 | 2.68 | 2.65 | 2.10 | 2.29 | 3.99 | 5.42 | 5.52 | 3.80 | 3.71 | 3.47 | 3.08 | 2.67 | |
| 4 | 2.68 | 2.64 | 2.07 | 2.76 | 3.96 | 5.41 | 5.70 | 3.80 | 3.71 | 3.46 | 3.07 | 2.66 | |
| 5 | 2.68 | 2.66 | 2.04 | 3.15 | 3.90 | 5.16 | 5.84 | 3.80 | 3.71 | 3.45 | 3.06 | 2.65 | |
| 6 | 2.69 | 2.66 | 2.01 | 3.36 | 3.87 | 4.29 | 5.98 | 3.79 | 3.70 | 3.44 | 3.05 | 2.64 | |
| 7 | 2.71 | 2.66 | 1.95 | 3.73 | 3.85 | 3.90 | 6.13 | 3.78 | 3.70 | 3.43 | 3.04 | 2.63 | |
| 8 | 2.71 | 2.66 | 1.87 | 3.76 | 3.82 | 3.85 | 6.32 | 3.78 | 3.70 | 3.42 | 3.03 | 2.62 | |
| 9 | 2.69 | 2.66 | 1.78 | 3.75 | 3.81 | 3.83 | 6.42 | 3.77 | 3.70 | 3.41 | 3.01 | 2.61 | |
| 10 | 2.69 | 2.66 | 1.68 | 3.74 | 3.80 | 3.83 | 6.38 | 3.76 | 3.70 | 3.40 | 2.99 | 2.60 | |
| 11 | 2.69 | 2.65 | 1.60 | 3.76 | 3.77 | 3.86 | 6.30 | 3.75 | 3.69 | 3.39 | 2.98 | 2.59 | |
| 12 | 2.69 | 2.63 | 1.52 | 3.75 | 3.76 | 3.88 | 6.20 | 3.74 | 3.69 | 3.38 | 2.97 | 2.58 | |
| 13 | 2.68 | 2.62 | 1.50 | 3.74 | 3.75 | 3.86 | 6.07 | 3.74 | 3.69 | 3.37 | 2.95 | 2.57 | |
| 14 | 2.68 | 2.62 | 1.50 | 3.73 | 3.80 | 3.84 | 5.92 | 3.73 | 3.69 | 3.36 | 2.93 | 2.56 | |
| 15 | 2.69 | 2.60 | 1.48 | 3.72 | 3.94 | 3.82 | 5.76 | 3.73 | 3.69 | 3.35 | 2.91 | 2.55 | |
| 16 | 2.68 | 2.55 | 1.45 | 3.72 | 4.10 | 3.81 | 5.54 | 3.72 | 3.68 | 3.34 | 2.89 | 2.54 | |
| 17 | 2.67 | 2.47 | 1.44 | 3.71 | 4.54 | 3.84 | 5.17 | 3.72 | 3.68 | 3.33 | 2.86 | 2.66 | |
| 18 | 2.66 | 2.42 | 1.42 | 3.71 | 4.61 | 3.91 | 4.63 | 3.72 | 3.68 | 3.32 | 2.85 | 2.79 | |
| 19 | 2.65 | 2.38 | 1.41 | 3.71 | 4.47 | 3.97 | 3.98 | 3.72 | 3.68 | 3.31 | 2.83 | 2.88 | |
| 20 | 2.66 | 2.35 | 1.41 | 3.71 | 4.25 | 4.04 | 3.92 | 3.72 | 3.67 | 3.30 | 2.81 | 2.95 | |
| 21 | 2.65 | 2.32 | 1.41 | 3.72 | 4.16 | 4.20 | 3.89 | 3.72 | 3.66 | 3.29 | 2.80 | 3.01 | |
| 22 | 2.65 | 2.30 | 1.41 | 3.77 | 3.91 | 4.20 | 3.88 | 3.72 | 3.65 | 3.28 | 2.78 | 3.04 | |
| 23 | 2.66 | 2.26 | 1.41 | 3.77 | 3.89 | 3.93 | 3.86 | 3.72 | 3.63 | 3.27 | 2.75 | 3.04 | |
| 24 | 2.68 | 2.23 | 1.41 | 3.77 | 3.87 | 3.85 | 3.84 | 3.72 | 3.61 | 3.26 | 2.74 | 3.03 | |
| 25 | 2.69 | 2.21 | 1.41 | 3.93 | 3.97 | 3.89 | 3.83 | 3.71 | 3.59 | 3.23 | 2.73 | 3.03 | |
| 26 | 2.69 | 2.18 | 1.41 | 3.89 | 4.01 | 4.03 | 3.82 | 3.71 | 3.57 | 3.22 | 2.74 | 3.02 | |
| 27 | 2.69 | 2.14 | 1.41 | 3.85 | 4.02 | 4.44 | 3.82 | 3.71 | 3.55 | 3.20 | 2.73 | 3.00 | |
| 28 | 2.69 | 2.13 | 1.41 | 3.84 | 3.97 | 4.74 | 3.81 | 3.70 | 3.53 | 3.19 | 2.71 | 2.99 | |
| 29 | 2.69 | 2.11 | 1.41 | 3.82 | 4.00 | 4.91 | 3.81 | 3.69 | 3.51 | 3.17 | | 2.97 | |
| 30 | 2.69 | 2.13 | 1.40 | 3.82 | 4.54 | 5.02 | 3.81 | 3.68 | 3.50 | 3.14 | | 2.94 | |
| 31 | | 2.11 | | 3.86 | 5.05 | | 3.80 | | 3.50 | 3.13 | | 2.93 | |
| Mean | 2.68 | 2.45 | 1.62 | 3.51 | 4.04 | 4.28 | 4.98 | 3.74 | 3.65 | 3.33 | 2.91 | 2.78 | |
| Max | 2.71 | 2.67 | 2.14 | 3.93 | 5.05 | 5.42 | 6.42 | 3.80 | 3.71 | 3.49 | 3.11 | 3.04 | 6.42 |
| Min | 2.65 | 2.11 | 1.40 | 1.45 | 3.75 | 3.81 | 3.80 | 3.68 | 3.50 | 3.13 | 2.71 | 2.54 | 1.40 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 6.42 | m. (A.D.) , | at 06.00 Hours , on Oct 9, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 1.39 | m. (A.D.) |
| Left Bank Elevation | 5.94 | m. (A.D.) , | | | |
| Right Bank Elevation | 5.67 | m. (A.D.) , | Drainage Are | 729 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 4.60 | 53.00 | 45.50 | 3.00 | 2.10 | 0.45 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 | 57.90 | 54.05 | 3.00 | 2.10 | 0.40 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 60.10 | 65.60 | 3.00 | 2.10 | 0.35 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 59.55 | 76.00 | 3.00 | 2.10 | 0.30 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 46.50 | 84.40 | 3.00 | 2.10 | 0.25 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 | 12.70 | 93.20 | 2.90 | 2.00 | 0.20 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 2.30 | 3.50 | 4.00 | 102.95 | 2.80 | 2.00 | 0.15 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 2.60 | 3.20 | 3.50 | 115.40 | 2.80 | 2.00 | 0.10 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 2.50 | 3.10 | 3.30 | 122.40 | 2.70 | 2.00 | 0.05 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 2.40 | 3.00 | 3.30 | 119.60 | 2.60 | 2.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 2.60 | 2.70 | 3.60 | 114.00 | 2.50 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 2.50 | 2.60 | 3.80 | 107.50 | 2.40 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 2.40 | 2.50 | 3.60 | 99.05 | 2.40 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 2.30 | 3.00 | 3.40 | 89.30 | 2.30 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 2.20 | 4.80 | 3.20 | 79.60 | 2.30 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 2.20 | 8.00 | 3.10 | 66.70 | 2.20 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 2.10 | 20.40 | 3.40 | 47.00 | 2.20 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 2.10 | 22.85 | 4.20 | 23.55 | 2.20 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 2.10 | 18.10 | 5.40 | 5.60 | 2.20 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 2.10 | 11.50 | 6.80 | 4.40 | 2.20 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 2.20 | 9.20 | 10.00 | 3.90 | 2.20 | 1.60 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 2.70 | 4.20 | 10.00 | 3.80 | 2.20 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 2.70 | 3.90 | 4.60 | 3.60 | 2.20 | 1.30 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 2.70 | 3.70 | 3.50 | 3.40 | 2.20 | 1.10 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 4.60 | 5.40 | 3.90 | 3.30 | 2.10 | 0.95 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 3.90 | 6.20 | 6.60 | 3.20 | 2.10 | 0.85 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 3.50 | 6.40 | 17.20 | 3.20 | 2.10 | 0.75 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 3.40 | 5.40 | 27.60 | 3.10 | 2.00 | 0.65 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 3.20 | 6.00 | 34.95 | 3.10 | 1.90 | 0.55 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 3.20 | 20.40 | 39.90 | 3.10 | 1.80 | 0.50 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 3.60 | 41.25 | | 3.00 | | 0.50 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 68.10 | 250.20 | 502.60 | 1552.50 | 72.50 | 49.15 | 2.25 | 0.00 | 0.00 | 2497.30 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.00 | 2.20 | 8.07 | 16.75 | 50.08 | 2.42 | 1.59 | 0.07 | 0.00 | 0.00 | 6.84 | CMS |
| Max | 0.00 | 0.00 | 0.00 | 4.60 | 41.25 | 60.10 | 122.40 | 3.00 | 2.10 | 0.45 | 0.00 | 0.00 | 122.40 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 3.10 | 3.00 | 1.80 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.00 | 5.88 | 21.62 | 43.42 | 134.14 | 6.26 | 4.25 | 0.19 | 0.00 | 0.00 | 215.77 | MCM |

Momentary Peak 122.40 CMS, at 6.42 m. (A.D.) , at 06.00 Hours , on Oct 9, 2006

Runoff Yield 9.39 Liters/Second/Square KM. Momentary Peak Yield 167.90 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Chi at Ban Lum Din, Surin (M.159)

Lat 15 - 08 - 24 N Long 103 - 25 - 57 E

**Location : On right bank at Ban Lum Din.**

| | | | |
|---|---|---|---|
| | **Ban** Lum Din | **Amphoe** Chom Phra | **Changwat** Surin |
| **Drainge Area** | 4,806 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at staff gage line. | | **Elevation** +10.225 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1999 to date. | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date. | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date. | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +7.780 m.(A.D.), records are channel flow only. | | |
| **General Description** | Records very good. Stage-discharge relation defined by 22 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

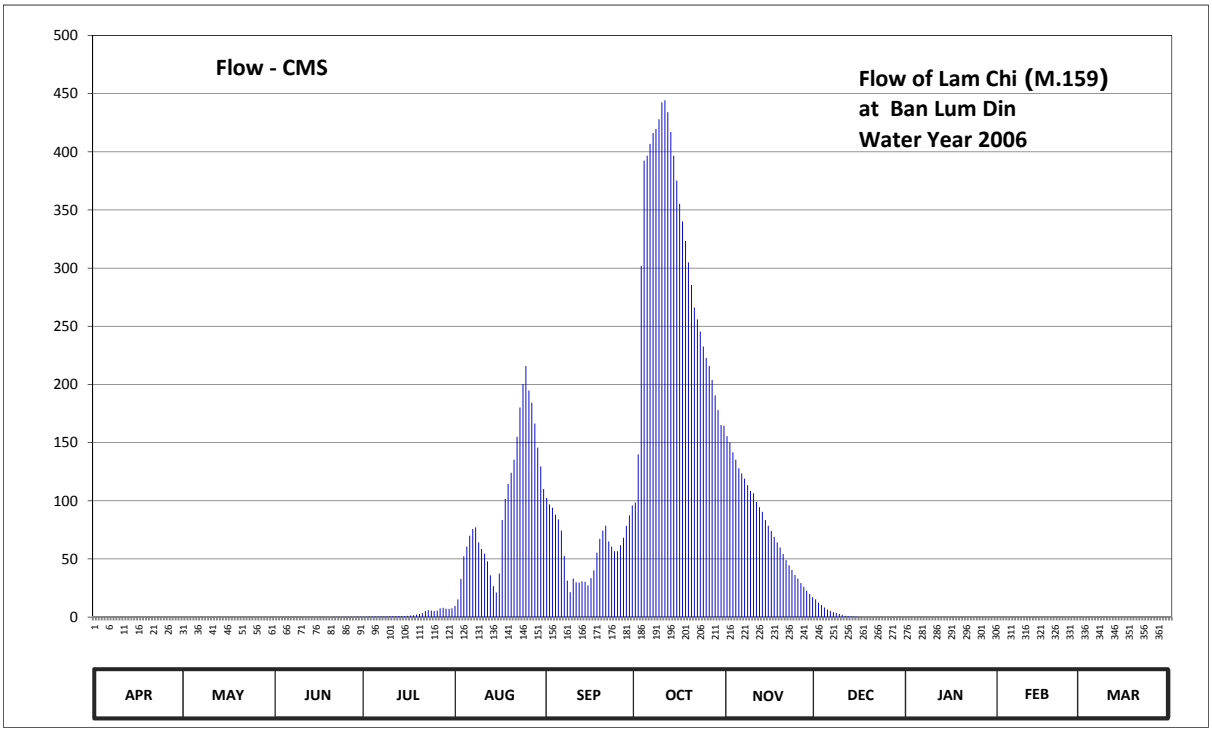
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.03 | 1.74 | 1.70 | 1.36 | 1.88 | 4.29 | 4.21 | 5.26 | 2.11 | 1.78 | 1.31 | 1.37 | |
| 2 | 1.02 | 1.68 | 1.69 | 1.34 | 2.11 | 4.18 | 4.99 | 5.17 | 2.00 | 1.80 | 1.30 | 1.37 | |
| 3 | 1.01 | 1.63 | 1.57 | 1.26 | 2.68 | 4.12 | 7.29 | 5.02 | 1.92 | 1.86 | 1.31 | 1.38 | |
| 4 | 1.05 | 1.52 | 1.56 | 1.23 | 3.18 | 4.00 | 8.41 | 4.91 | 1.81 | 1.84 | 1.31 | 1.38 | |
| 5 | 1.16 | 1.52 | 1.55 | 1.24 | 3.39 | 3.92 | 8.46 | 4.78 | 1.70 | 1.82 | 1.33 | 1.39 | |
| 6 | 1.18 | 1.51 | 1.54 | 1.25 | 3.61 | 3.71 | 8.58 | 4.70 | 1.62 | 1.81 | 1.34 | 1.39 | |
| 7 | 1.27 | 1.51 | 1.53 | 1.24 | 3.74 | 3.19 | 8.69 | 4.62 | 1.53 | 1.80 | 1.35 | 1.40 | |
| 8 | 1.35 | 1.51 | 1.49 | 1.23 | 3.77 | 2.64 | 8.73 | 4.51 | 1.46 | 1.85 | 1.34 | 1.40 | |
| 9 | 1.38 | 1.50 | 1.46 | 1.20 | 3.48 | 2.35 | 8.83 | 4.41 | 1.38 | 1.83 | 1.35 | 1.39 | |
| 10 | 1.40 | 1.48 | 1.44 | 1.12 | 3.34 | 2.69 | 9.00 | 4.37 | 1.29 | 1.75 | 1.36 | 1.39 | |
| 11 | 1.43 | 1.44 | 1.42 | 1.14 | 3.24 | 2.60 | 9.02 | 4.22 | 1.21 | 1.70 | 1.36 | 1.38 | |
| 12 | 1.44 | 1.35 | 1.40 | 1.18 | 3.07 | 2.59 | 8.90 | 4.13 | 1.16 | 1.64 | 1.35 | 1.38 | |
| 13 | 1.45 | 1.30 | 1.39 | 1.19 | 2.77 | 2.62 | 8.70 | 4.05 | 1.08 | 1.53 | 1.35 | 1.37 | |
| 14 | 1.46 | 1.24 | 1.36 | 1.20 | 2.50 | 2.61 | 8.46 | 3.91 | 1.04 | 1.52 | 1.35 | 1.37 | |
| 15 | 1.47 | 1.23 | 1.33 | 1.20 | 2.34 | 2.52 | 8.21 | 3.80 | 0.98 | 1.51 | 1.34 | 1.36 | |
| 16 | 1.49 | 1.22 | 1.32 | 1.21 | 2.81 | 2.70 | 7.96 | 3.70 | 0.88 | 1.51 | 1.34 | 1.36 | |
| 17 | 1.54 | 1.20 | 1.31 | 1.24 | 3.91 | 2.88 | 7.77 | 3.59 | 0.80 | 1.50 | 1.34 | 1.35 | |
| 18 | 1.54 | 1.14 | 1.30 | 1.26 | 4.27 | 3.26 | 7.56 | 3.48 | 0.83 | 1.50 | 1.33 | 1.35 | |
| 19 | 1.55 | 1.10 | 1.29 | 1.32 | 4.53 | 3.55 | 7.33 | 3.37 | 0.94 | 1.49 | 1.33 | 1.34 | |
| 20 | 1.56 | 1.13 | 1.29 | 1.37 | 4.71 | 3.71 | 7.08 | 3.23 | 1.15 | 1.46 | 1.34 | 1.34 | |
| 21 | 1.58 | 1.15 | 1.27 | 1.44 | 4.91 | 3.80 | 6.83 | 3.10 | 1.28 | 1.43 | 1.34 | 1.33 | |
| 22 | 1.60 | 1.16 | 1.25 | 1.62 | 5.25 | 3.50 | 6.70 | 2.99 | 1.36 | 1.40 | 1.35 | 1.32 | |
| 23 | 1.64 | 1.21 | 1.20 | 1.66 | 5.63 | 3.39 | 6.56 | 2.89 | 1.47 | 1.42 | 1.35 | 1.31 | |
| 24 | 1.65 | 1.38 | 1.19 | 1.64 | 5.92 | 3.29 | 6.38 | 2.78 | 1.57 | 1.41 | 1.36 | 1.29 | |
| 25 | 1.74 | 1.52 | 1.18 | 1.61 | 6.14 | 3.29 | 6.24 | 2.69 | 1.65 | 1.39 | 1.36 | 1.27 | |
| 26 | 1.86 | 1.74 | 1.16 | 1.64 | 5.84 | 3.42 | 6.14 | 2.58 | 1.77 | 1.40 | 1.37 | 1.24 | |
| 27 | 1.85 | 1.80 | 1.14 | 1.77 | 5.69 | 3.57 | 5.97 | 2.49 | 1.75 | 1.41 | 1.37 | 1.20 | |
| 28 | 1.80 | 1.80 | 1.14 | 1.80 | 5.43 | 3.80 | 5.78 | 2.39 | 1.62 | 1.38 | 1.38 | 1.17 | |
| 29 | 1.78 | 1.80 | 1.14 | 1.75 | 5.09 | 3.99 | 5.60 | 2.29 | 1.87 | 1.34 | | 1.15 | |
| 30 | 1.73 | 1.80 | 1.30 | 1.74 | 4.81 | 4.16 | 5.41 | 2.19 | 1.79 | 1.33 | | 1.09 | |
| 31 | | 1.80 | | 1.77 | 4.44 | | 5.40 | | 1.74 | 1.32 | | 1.07 | |
| Mean | 1.47 | 1.46 | 1.36 | 1.39 | 4.02 | 3.34 | 7.26 | 3.72 | 1.44 | 1.57 | 1.34 | 1.32 | |
| Max | 1.86 | 1.80 | 1.70 | 1.80 | 6.14 | 4.29 | 9.02 | 5.26 | 2.11 | 1.86 | 1.38 | 1.40 | 9.02 |
| Min | 1.01 | 1.10 | 1.14 | 1.12 | 1.88 | 2.35 | 4.21 | 2.19 | 0.80 | 1.32 | 1.30 | 1.07 | 0.80 |

Annual Max Momentary Gage Height 9.05 m. (A.D.) , at 06.00 Hours , on Oct 11, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.04 m. (A.D.)

Left Bank Elevation 7.78 m. (A.D.) ,

Right Bank Elevation 10.22 m. (A.D.) , Drainage Are 4,806 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.05 | 0.41 | 9.60 | 102.50 | 98.50 | 155.60 | 15.25 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.05 | 0.44 | 15.25 | 97.00 | 139.92 | 150.28 | 12.50 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.05 | 0.48 | 32.80 | 94.00 | 301.72 | 141.65 | 10.50 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.06 | 0.51 | 52.20 | 88.00 | 392.35 | 135.32 | 8.20 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.06 | 0.55 | 60.60 | 84.00 | 396.60 | 127.90 | 6.50 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.07 | 0.60 | 69.95 | 74.45 | 406.80 | 123.50 | 5.30 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.01 | 0.07 | 0.64 | 75.80 | 52.60 | 416.15 | 119.10 | 4.30 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.01 | 0.08 | 0.69 | 77.15 | 31.40 | 419.55 | 113.50 | 3.60 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.01 | 0.08 | 0.74 | 64.20 | 21.50 | 428.05 | 108.50 | 2.80 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.01 | 0.09 | 0.80 | 58.60 | 33.15 | 442.50 | 106.50 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.01 | 0.09 | 0.85 | 54.60 | 30.00 | 444.20 | 99.00 | 1.10 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.01 | 0.10 | 0.95 | 47.80 | 29.65 | 434.00 | 94.50 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.01 | 0.11 | 0.98 | 35.95 | 30.70 | 417.00 | 90.50 | 0.70 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.01 | 0.12 | 1.00 | 26.50 | 30.35 | 396.60 | 83.50 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.01 | 0.13 | 1.00 | 21.20 | 27.20 | 375.35 | 78.50 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.01 | 0.14 | 1.10 | 37.40 | 33.50 | 355.30 | 74.00 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.01 | 0.15 | 1.40 | 83.50 | 40.20 | 340.10 | 69.05 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.02 | 0.16 | 1.60 | 101.50 | 55.40 | 323.30 | 64.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.02 | 0.17 | 2.20 | 114.50 | 67.25 | 304.90 | 59.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.02 | 0.18 | 2.70 | 124.05 | 74.45 | 285.45 | 54.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.02 | 0.20 | 3.40 | 135.32 | 78.50 | 266.08 | 49.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.02 | 0.21 | 5.30 | 155.00 | 65.00 | 256.00 | 44.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.02 | 0.23 | 5.90 | 180.10 | 60.60 | 245.50 | 40.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.03 | 0.25 | 5.60 | 200.40 | 56.60 | 232.60 | 36.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.03 | 0.27 | 5.15 | 215.80 | 56.60 | 222.80 | 33.15 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.03 | 0.29 | 5.60 | 194.80 | 61.80 | 215.80 | 29.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.03 | 0.31 | 7.55 | 184.30 | 68.15 | 203.90 | 26.15 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.03 | 0.33 | 8.00 | 166.45 | 78.50 | 190.60 | 22.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.04 | 0.36 | 7.25 | 145.68 | 87.50 | 178.00 | 19.75 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.04 | 0.38 | 7.10 | 129.57 | 96.00 | 165.15 | 17.25 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.04 | | 7.55 | 110.00 | | 164.50 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.50 | 4.84 | 88.04 | 2980.57 | 1806.55 | 9459.27 | 2367.90 | 74.80 | 0.00 | 0.00 | 0.00 | 16782.47 | CMSDAY |
| Mean | 0.00 | 0.02 | 0.16 | 2.84 | 96.15 | 60.22 | 305.14 | 78.93 | 2.41 | 0.00 | 0.00 | 0.00 | 45.98 | CMS |
| Max | 0.00 | 0.04 | 0.38 | 8.00 | 215.80 | 102.50 | 444.20 | 155.60 | 15.25 | 0.00 | 0.00 | 0.00 | 444.20 | CMS |
| Min | 0.00 | 0.00 | 0.05 | 0.41 | 9.60 | 21.50 | 98.50 | 17.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.04 | 0.42 | 7.61 | 257.52 | 156.09 | 817.28 | 204.59 | 6.46 | 0.00 | 0.00 | 0.00 | 1450.01 | MCM |

Momentary Peak 446.75 CMS, at 9.05 m. (A.D.) , at 06.00 Hours , on Oct 11, 2006

Runoff Yield 9.57 Liters/Second/Square KM. Momentary Peak Yield 92.96 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Khlong Ki at Ban Khlong Din Dam, Nakhon Ratchasima (M.169)

Lat 14 - 31 - 32 N Long 101 - 45 - 22 E

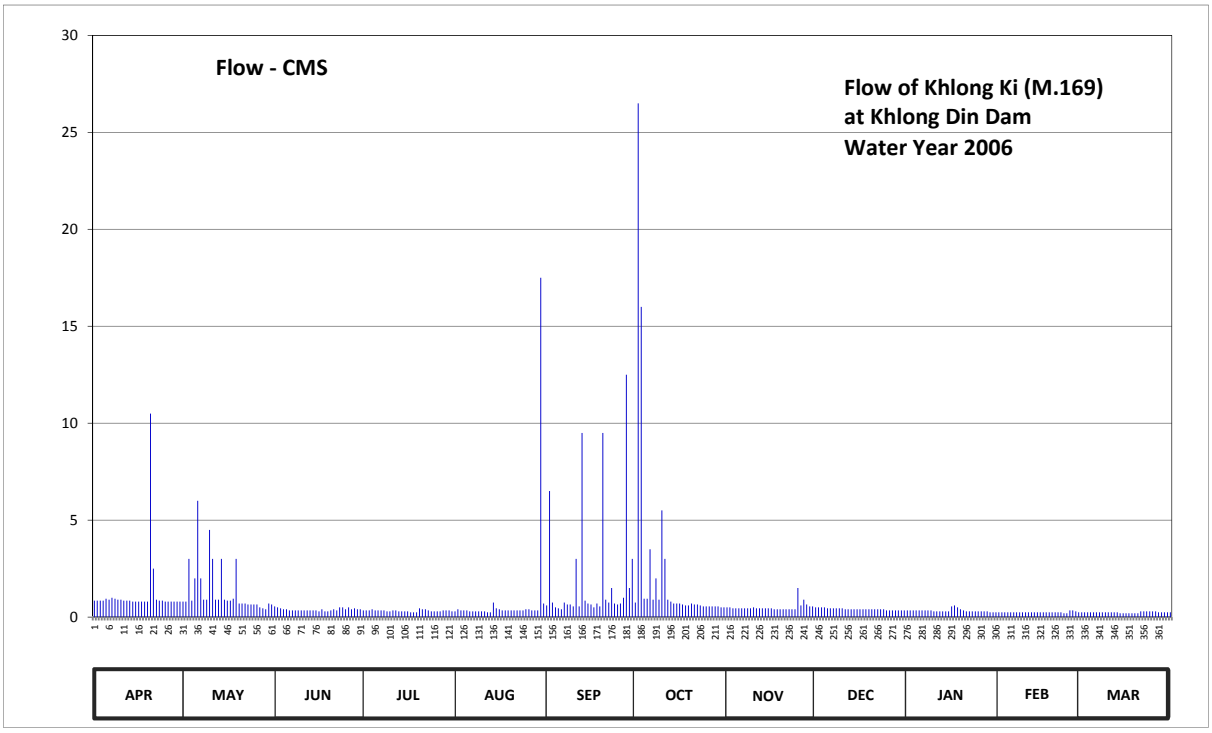
**Location : on right bank at Ban Khlong Din Dam.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** | Khlong Din Dam | **Amphoe** Wang Nam Khieo | **Changwat** | Nakhon Ratchasima |
| **Drainge Area** | 134 | sq.km. | | | |
| **Type of Gage** | Water - stage recorder. | | | | |
| **Zero Gage at Bottom** | +0.000 | m. (A.D.) | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On right bank near the automatic gage building. | | | **Elevation** | +5.862 m. (A.D.) |
| **Gage Reading Frequency** | Recording. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 2002 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2002 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2002 to date | | | | |
| **Stability of Channel Regimes** | Unstable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.17 | 0.16 | 0.11 | 0.07 | 0.06 | 0.12 | 0.15 | 0.10 | 0.10 | 0.07 | 0.05 | 0.05 | |
| 2 | 0.17 | 0.16 | 0.10 | 0.07 | 0.08 | 0.31 | 0.71 | 0.10 | 0.10 | 0.07 | 0.05 | 0.05 | |
| 3 | 0.17 | 0.24 | 0.09 | 0.07 | 0.07 | 0.15 | 0.50 | 0.09 | 0.10 | 0.07 | 0.05 | 0.05 | |
| 4 | 0.17 | 0.17 | 0.08 | 0.08 | 0.07 | 0.10 | 0.19 | 0.09 | 0.10 | 0.07 | 0.05 | 0.05 | |
| 5 | 0.19 | 0.22 | 0.08 | 0.07 | 0.07 | 0.09 | 0.19 | 0.09 | 0.09 | 0.07 | 0.05 | 0.05 | |
| 6 | 0.18 | 0.30 | 0.07 | 0.07 | 0.06 | 0.08 | 0.25 | 0.09 | 0.09 | 0.07 | 0.05 | 0.05 | |
| 7 | 0.20 | 0.22 | 0.07 | 0.07 | 0.06 | 0.15 | 0.18 | 0.09 | 0.09 | 0.07 | 0.05 | 0.05 | |
| 8 | 0.19 | 0.18 | 0.07 | 0.07 | 0.06 | 0.13 | 0.22 | 0.09 | 0.09 | 0.07 | 0.05 | 0.05 | |
| 9 | 0.18 | 0.18 | 0.07 | 0.06 | 0.06 | 0.13 | 0.18 | 0.09 | 0.09 | 0.07 | 0.05 | 0.05 | |
| 10 | 0.18 | 0.27 | 0.07 | 0.06 | 0.06 | 0.11 | 0.29 | 0.10 | 0.09 | 0.06 | 0.05 | 0.05 | |
| 11 | 0.17 | 0.24 | 0.07 | 0.07 | 0.06 | 0.24 | 0.24 | 0.09 | 0.08 | 0.06 | 0.05 | 0.05 | |
| 12 | 0.17 | 0.18 | 0.07 | 0.07 | 0.05 | 0.11 | 0.18 | 0.09 | 0.08 | 0.06 | 0.05 | 0.05 | |
| 13 | 0.17 | 0.18 | 0.07 | 0.06 | 0.05 | 0.37 | 0.16 | 0.09 | 0.08 | 0.06 | 0.05 | 0.05 | |
| 14 | 0.16 | 0.24 | 0.07 | 0.06 | 0.15 | 0.17 | 0.14 | 0.09 | 0.08 | 0.06 | 0.05 | 0.04 | |
| 15 | 0.16 | 0.18 | 0.07 | 0.06 | 0.09 | 0.14 | 0.14 | 0.09 | 0.08 | 0.06 | 0.05 | 0.04 | |
| 16 | 0.16 | 0.17 | 0.06 | 0.06 | 0.08 | 0.13 | 0.14 | 0.09 | 0.08 | 0.11 | 0.05 | 0.04 | |
| 17 | 0.16 | 0.17 | 0.08 | 0.05 | 0.07 | 0.10 | 0.13 | 0.08 | 0.08 | 0.12 | 0.05 | 0.04 | |
| 18 | 0.16 | 0.19 | 0.06 | 0.05 | 0.07 | 0.14 | 0.12 | 0.08 | 0.08 | 0.10 | 0.05 | 0.04 | |
| 19 | 0.16 | 0.24 | 0.06 | 0.05 | 0.07 | 0.11 | 0.12 | 0.08 | 0.08 | 0.08 | 0.05 | 0.04 | |
| 20 | 0.39 | 0.14 | 0.07 | 0.09 | 0.07 | 0.37 | 0.14 | 0.08 | 0.08 | 0.07 | 0.05 | 0.04 | |
| 21 | 0.23 | 0.14 | 0.08 | 0.08 | 0.07 | 0.18 | 0.13 | 0.08 | 0.08 | 0.06 | 0.05 | 0.06 | |
| 22 | 0.18 | 0.14 | 0.07 | 0.08 | 0.07 | 0.15 | 0.13 | 0.08 | 0.08 | 0.06 | 0.05 | 0.06 | |
| 23 | 0.17 | 0.13 | 0.10 | 0.07 | 0.07 | 0.21 | 0.12 | 0.08 | 0.08 | 0.06 | 0.04 | 0.06 | |
| 24 | 0.17 | 0.13 | 0.10 | 0.06 | 0.07 | 0.14 | 0.11 | 0.08 | 0.08 | 0.06 | 0.04 | 0.06 | |
| 25 | 0.16 | 0.13 | 0.08 | 0.06 | 0.08 | 0.13 | 0.11 | 0.21 | 0.07 | 0.06 | 0.07 | 0.06 | |
| 26 | 0.16 | 0.13 | 0.10 | 0.06 | 0.08 | 0.14 | 0.11 | 0.12 | 0.07 | 0.06 | 0.07 | 0.06 | |
| 27 | 0.16 | 0.10 | 0.08 | 0.06 | 0.07 | 0.20 | 0.11 | 0.18 | 0.07 | 0.06 | 0.06 | 0.05 | |
| 28 | 0.16 | 0.09 | 0.09 | 0.07 | 0.07 | 0.43 | 0.11 | 0.13 | 0.07 | 0.06 | 0.05 | 0.05 | |
| 29 | 0.16 | 0.08 | 0.08 | 0.07 | 0.07 | 0.21 | 0.11 | 0.11 | 0.07 | 0.05 | | 0.05 | |
| 30 | 0.16 | 0.14 | 0.08 | 0.07 | 0.53 | 0.24 | 0.10 | 0.11 | 0.07 | 0.05 | | 0.05 | |
| 31 | | 0.13 | | 0.06 | 0.14 | | 0.10 | | 0.07 | 0.05 | | 0.05 | |
| Mean | 0.18 | 0.17 | 0.08 | 0.07 | 0.09 | 0.18 | 0.18 | 0.10 | 0.08 | 0.07 | 0.05 | 0.05 | |
| Max | 0.39 | 0.30 | 0.11 | 0.09 | 0.53 | 0.43 | 0.71 | 0.21 | 0.10 | 0.12 | 0.07 | 0.06 | 0.71 |
| Min | 0.16 | 0.08 | 0.06 | 0.05 | 0.05 | 0.08 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 1.10 | m. (A.D.) , | at 17.00 Hours, on Sep 13, 2006 | | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.00 | m. (A.D.) | |
| Left Bank Elevation | 3.55 | m. (A.D.) , | | | | |
| Right Bank Elevation | 5.80 | m. (A.D.) , | Drainage Are | 134 | Square Kilometers | |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.85 | 0.80 | 0.55 | 0.35 | 0.30 | 0.60 | 0.75 | 0.50 | 0.50 | 0.35 | 0.25 | 0.25 | | |
| 2 | 0.85 | 0.80 | 0.50 | 0.35 | 0.40 | 6.50 | 26.50 | 0.50 | 0.50 | 0.35 | 0.25 | 0.25 | | |
| 3 | 0.85 | 3.00 | 0.45 | 0.35 | 0.35 | 0.75 | 16.00 | 0.45 | 0.50 | 0.35 | 0.25 | 0.25 | | |
| 4 | 0.85 | 0.85 | 0.40 | 0.40 | 0.35 | 0.50 | 0.95 | 0.45 | 0.50 | 0.35 | 0.25 | 0.25 | | |
| 5 | 0.95 | 2.00 | 0.40 | 0.35 | 0.35 | 0.45 | 0.95 | 0.45 | 0.45 | 0.35 | 0.25 | 0.25 | | |
| 6 | 0.90 | 6.00 | 0.35 | 0.35 | 0.30 | 0.40 | 3.50 | 0.45 | 0.45 | 0.35 | 0.25 | 0.25 | | |
| 7 | 1.00 | 2.00 | 0.35 | 0.35 | 0.30 | 0.75 | 0.90 | 0.45 | 0.45 | 0.35 | 0.25 | 0.25 | | |
| 8 | 0.95 | 0.90 | 0.35 | 0.35 | 0.30 | 0.65 | 2.00 | 0.45 | 0.45 | 0.35 | 0.25 | 0.25 | | |
| 9 | 0.90 | 0.90 | 0.35 | 0.30 | 0.30 | 0.65 | 0.90 | 0.45 | 0.45 | 0.35 | 0.25 | 0.25 | | |
| 10 | 0.90 | 4.50 | 0.35 | 0.30 | 0.30 | 0.55 | 5.50 | 0.50 | 0.45 | 0.30 | 0.25 | 0.25 | | |
| 11 | 0.85 | 3.00 | 0.35 | 0.35 | 0.30 | 3.00 | 3.00 | 0.45 | 0.40 | 0.30 | 0.25 | 0.25 | | |
| 12 | 0.85 | 0.90 | 0.35 | 0.35 | 0.25 | 0.55 | 0.90 | 0.45 | 0.40 | 0.30 | 0.25 | 0.25 | | |
| 13 | 0.85 | 0.90 | 0.35 | 0.30 | 0.25 | 9.50 | 0.80 | 0.45 | 0.40 | 0.30 | 0.25 | 0.25 | | |
| 14 | 0.80 | 3.00 | 0.35 | 0.30 | 0.75 | 0.85 | 0.70 | 0.45 | 0.40 | 0.30 | 0.25 | 0.20 | | |
| 15 | 0.80 | 0.90 | 0.35 | 0.30 | 0.45 | 0.70 | 0.70 | 0.45 | 0.40 | 0.30 | 0.25 | 0.20 | | |
| 16 | 0.80 | 0.85 | 0.30 | 0.30 | 0.40 | 0.65 | 0.70 | 0.45 | 0.40 | 0.55 | 0.25 | 0.20 | | |
| 17 | 0.80 | 0.85 | 0.40 | 0.25 | 0.35 | 0.50 | 0.65 | 0.40 | 0.40 | 0.60 | 0.25 | 0.20 | | |
| 18 | 0.80 | 0.95 | 0.30 | 0.25 | 0.35 | 0.70 | 0.60 | 0.40 | 0.40 | 0.50 | 0.25 | 0.20 | | |
| 19 | 0.80 | 3.00 | 0.30 | 0.25 | 0.35 | 0.55 | 0.60 | 0.40 | 0.40 | 0.40 | 0.25 | 0.20 | | |
| 20 | 10.50 | 0.70 | 0.35 | 0.45 | 0.35 | 9.50 | 0.70 | 0.40 | 0.40 | 0.35 | 0.25 | 0.20 | | |
| 21 | 2.50 | 0.70 | 0.40 | 0.40 | 0.35 | 0.90 | 0.65 | 0.40 | 0.40 | 0.30 | 0.25 | 0.30 | | |
| 22 | 0.90 | 0.70 | 0.35 | 0.40 | 0.35 | 0.75 | 0.65 | 0.40 | 0.40 | 0.30 | 0.25 | 0.30 | | |
| 23 | 0.85 | 0.65 | 0.50 | 0.35 | 0.35 | 1.50 | 0.60 | 0.40 | 0.40 | 0.30 | 0.20 | 0.30 | | |
| 24 | 0.85 | 0.65 | 0.50 | 0.30 | 0.35 | 0.70 | 0.55 | 0.40 | 0.40 | 0.30 | 0.20 | 0.30 | | |
| 25 | 0.80 | 0.65 | 0.40 | 0.30 | 0.40 | 0.65 | 0.55 | 1.50 | 0.35 | 0.30 | 0.35 | 0.30 | | |
| 26 | 0.80 | 0.65 | 0.50 | 0.30 | 0.40 | 0.70 | 0.55 | 0.60 | 0.35 | 0.30 | 0.35 | 0.30 | | |
| 27 | 0.80 | 0.50 | 0.40 | 0.30 | 0.35 | 1.00 | 0.55 | 0.90 | 0.35 | 0.30 | 0.30 | 0.25 | | |
| 28 | 0.80 | 0.45 | 0.45 | 0.35 | 0.35 | 12.50 | 0.55 | 0.65 | 0.35 | 0.30 | 0.25 | 0.25 | | |
| 29 | 0.80 | 0.40 | 0.40 | 0.35 | 0.35 | 1.50 | 0.55 | 0.55 | 0.35 | 0.25 | | 0.25 | | |
| 30 | 0.80 | 0.70 | 0.40 | 0.35 | 17.50 | 3.00 | 0.50 | 0.55 | 0.35 | 0.25 | | 0.25 | | |
| 31 | | 0.65 | | 0.30 | 0.70 | | 0.50 | | 0.35 | 0.25 | | 0.25 | | |
| Total | 36.75 | 43.50 | 11.75 | 10.25 | 28.50 | 61.50 | 73.50 | 15.30 | 12.75 | 10.50 | 7.15 | 7.70 | 319.15 | CMSDAY |
| Mean | 1.22 | 1.40 | 0.39 | 0.33 | 0.92 | 2.05 | 2.37 | 0.51 | 0.41 | 0.34 | 0.26 | 0.25 | 0.87 | CMS |
| Max | 10.50 | 6.00 | 0.55 | 0.45 | 17.50 | 12.50 | 26.50 | 1.50 | 0.50 | 0.60 | 0.35 | 0.30 | 26.50 | CMS |
| Min | 0.80 | 0.40 | 0.30 | 0.25 | 0.25 | 0.40 | 0.50 | 0.40 | 0.35 | 0.25 | 0.20 | 0.20 | 0.20 | CMS |
| Runoff | 3.18 | 3.76 | 1.02 | 0.89 | 2.46 | 5.31 | 6.35 | 1.32 | 1.10 | 0.91 | 0.62 | 0.67 | 27.57 | MCM |

Momentary Peak 49.00 CMS, at 1.10 m. (A.D.), at 17.00 Hours, on Sep 13, 2006

Runoff Yield 6.53 Liters/Second/Square KM. Momentary Peak Yield 365.67 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Dom Yai at Ban Kham Samran, Ubon Ratehathani (M.170)

Lat 14 - 47 - 19 N Long 105 - 06 - 10 E

**Location : on right bank at the bridge**

| | | | |
|---|---|---|---|
| | **Ban** Kham Samran | **Amphoe** Det Udom | **Changwat** Ubon Ratchathani |
| **Drainge Area** | 1,745 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank upstream at the footpath | | **Elevation** +10.030 m. (A.D.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2001 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2001 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2001 to date | | |
| **Stability of Channel Regimes** | Stable because of backwater effect. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +6.400 m.(A.D.), records are channel flow only. | | |
| **General Description** | Records very good. Stage-discharge relation defined by 49 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

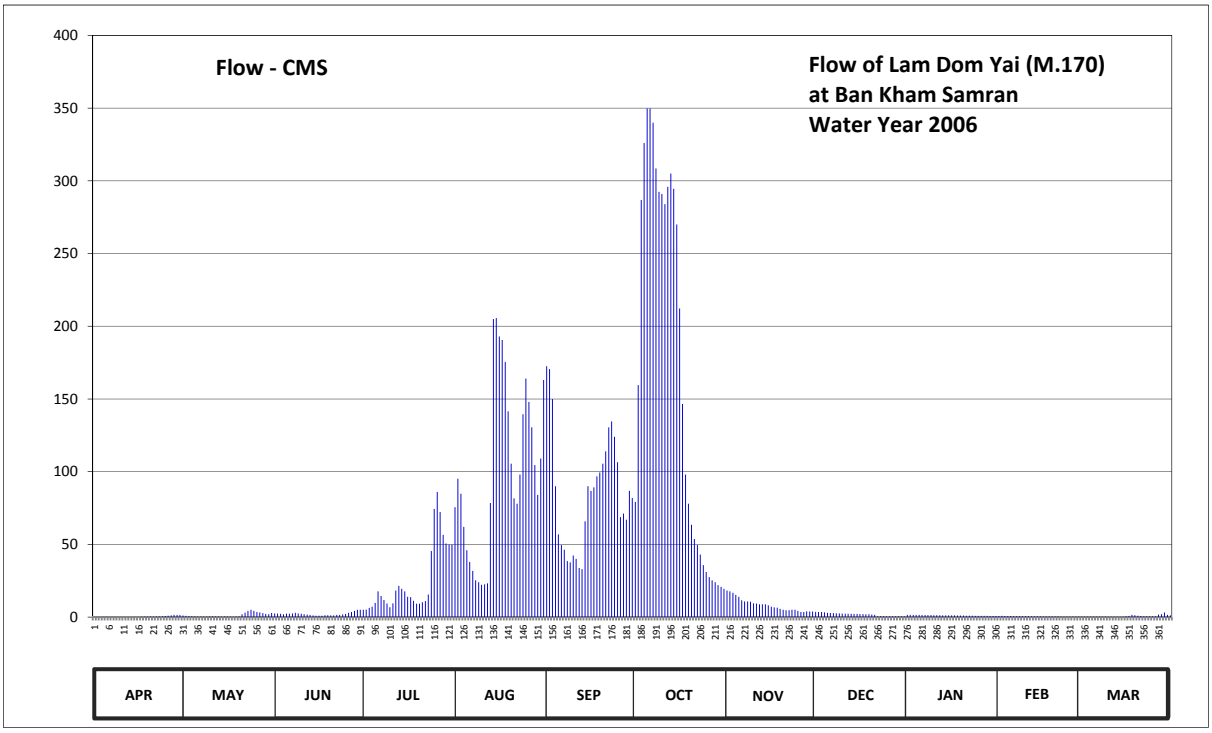
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.40 | 0.61 | 0.90 | 1.10 | 3.64 | 5.69 | 3.73 | 1.75 | 1.01 | 0.71 | 0.56 | 0.47 | |
| 2 | 0.41 | 0.58 | 0.88 | 1.11 | 4.13 | 5.65 | 5.43 | 1.73 | 1.00 | 0.70 | 0.57 | 0.47 | |
| 3 | 0.42 | 0.54 | 0.87 | 1.19 | 3.87 | 5.24 | 7.44 | 1.69 | 1.00 | 0.70 | 0.56 | 0.47 | |
| 4 | 0.43 | 0.51 | 0.80 | 1.24 | 3.26 | 4.00 | 8.00 | 1.63 | 0.98 | 0.70 | 0.55 | 0.47 | |
| 5 | 0.45 | 0.48 | 0.88 | 1.41 | 2.80 | 3.11 | 8.34 | 1.58 | 0.95 | 0.70 | 0.55 | 0.47 | |
| 6 | 0.43 | 0.47 | 0.85 | 1.73 | 2.53 | 2.90 | 8.34 | 1.48 | 0.94 | 0.69 | 0.54 | 0.46 | |
| 7 | 0.42 | 0.46 | 0.90 | 1.60 | 2.29 | 2.81 | 8.20 | 1.45 | 0.92 | 0.68 | 0.54 | 0.46 | |
| 8 | 0.41 | 0.46 | 0.95 | 1.49 | 2.03 | 2.55 | 7.75 | 1.45 | 0.91 | 0.68 | 0.54 | 0.46 | |
| 9 | 0.40 | 0.47 | 0.90 | 1.39 | 1.98 | 2.52 | 7.52 | 1.44 | 0.90 | 0.68 | 0.53 | 0.46 | |
| 10 | 0.39 | 0.48 | 0.85 | 1.22 | 1.91 | 2.68 | 7.50 | 1.40 | 0.89 | 0.67 | 0.53 | 0.45 | |
| 11 | 0.38 | 0.50 | 0.80 | 1.40 | 1.92 | 2.60 | 7.40 | 1.39 | 0.87 | 0.66 | 0.52 | 0.45 | |
| 12 | 0.37 | 0.49 | 0.75 | 1.75 | 1.95 | 2.37 | 7.57 | 1.35 | 0.86 | 0.66 | 0.51 | 0.45 | |
| 13 | 0.36 | 0.48 | 0.70 | 1.88 | 3.71 | 2.34 | 7.70 | 1.35 | 0.85 | 0.65 | 0.50 | 0.44 | |
| 14 | 0.36 | 0.46 | 0.65 | 1.80 | 6.25 | 3.37 | 7.55 | 1.35 | 0.84 | 0.64 | 0.50 | 0.44 | |
| 15 | 0.36 | 0.49 | 0.60 | 1.73 | 6.26 | 4.00 | 7.20 | 1.31 | 0.83 | 0.63 | 0.50 | 0.44 | |
| 16 | 0.36 | 0.49 | 0.59 | 1.58 | 6.05 | 3.92 | 6.37 | 1.24 | 0.82 | 0.63 | 0.49 | 0.50 | |
| 17 | 0.45 | 0.47 | 0.60 | 1.57 | 6.01 | 3.98 | 5.17 | 1.21 | 0.81 | 0.63 | 0.49 | 0.55 | |
| 18 | 0.46 | 0.45 | 0.66 | 1.47 | 5.75 | 4.17 | 4.20 | 1.20 | 0.80 | 0.62 | 0.49 | 0.70 | |
| 19 | 0.46 | 0.46 | 0.66 | 1.38 | 5.07 | 4.23 | 3.70 | 1.15 | 0.79 | 0.62 | 0.48 | 0.66 | |
| 20 | 0.48 | 0.48 | 0.65 | 1.38 | 4.35 | 4.35 | 3.30 | 1.10 | 0.75 | 0.61 | 0.48 | 0.60 | |
| 21 | 0.47 | 0.80 | 0.65 | 1.43 | 3.79 | 4.52 | 3.02 | 1.08 | 0.70 | 0.59 | 0.48 | 0.55 | |
| 22 | 0.48 | 0.96 | 0.70 | 1.46 | 3.70 | 4.85 | 2.90 | 1.08 | 0.50 | 0.59 | 0.47 | 0.50 | |
| 23 | 0.48 | 1.05 | 0.70 | 1.64 | 4.20 | 4.93 | 2.70 | 1.10 | 0.53 | 0.59 | 0.47 | 0.50 | |
| 24 | 0.50 | 1.10 | 0.77 | 2.78 | 5.03 | 4.72 | 2.45 | 1.10 | 0.52 | 0.58 | 0.47 | 0.50 | |
| 25 | 0.55 | 1.05 | 0.84 | 3.61 | 5.52 | 4.37 | 2.26 | 1.05 | 0.51 | 0.58 | 0.47 | 0.50 | |
| 26 | 0.60 | 1.00 | 0.95 | 3.90 | 5.20 | 3.45 | 2.12 | 1.00 | 0.50 | 0.58 | 0.46 | 0.50 | |
| 27 | 0.65 | 0.97 | 1.00 | 3.55 | 4.85 | 3.52 | 2.03 | 1.00 | 0.50 | 0.58 | 0.46 | 0.75 | |
| 28 | 0.70 | 0.92 | 1.05 | 3.10 | 4.33 | 3.40 | 1.98 | 1.03 | 0.50 | 0.57 | 0.47 | 0.80 | |
| 29 | 0.70 | 0.84 | 1.10 | 2.93 | 3.85 | 3.92 | 1.90 | 1.02 | 0.50 | 0.56 | | 0.97 | |
| 30 | 0.71 | 0.80 | 1.10 | 2.91 | 4.42 | 3.80 | 1.85 | 1.02 | 0.50 | 0.55 | | 0.70 | |
| 31 | | 0.93 | | 2.91 | 5.50 | | 1.80 | | 0.50 | 0.55 | | 0.65 | |
| Mean | 0.47 | 0.65 | 0.81 | 1.92 | 4.07 | 3.80 | 5.08 | 1.29 | 0.76 | 0.63 | 0.51 | 0.54 | |
| Max | 0.71 | 1.10 | 1.10 | 3.90 | 6.26 | 5.69 | 8.34 | 1.75 | 1.01 | 0.71 | 0.57 | 0.97 | 8.34 |
| Min | 0.36 | 0.45 | 0.59 | 1.10 | 1.91 | 2.34 | 1.80 | 1.00 | 0.50 | 0.55 | 0.46 | 0.44 | 0.36 |

Annual Max Momentary Gage Height 8.38 m. (A.D.) , at 06.00 Hours, on Oct 6, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.11 m. (A.D.) ,

Left Bank Elevation 6.39 m. (A.D.) ,

Right Bank Elevation 7.39 m. (A.D.) , Drainage Are 1,745 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 1.05 | 2.50 | 5.00 | 75.60 | 172.50 | 79.20 | 18.25 | 3.65 | 1.55 | 0.80 | 0.35 | | |
| 2 | 0.05 | 0.90 | 2.40 | 5.15 | 95.20 | 170.50 | 159.50 | 17.75 | 3.50 | 1.50 | 0.85 | 0.35 | | |
| 3 | 0.10 | 0.70 | 2.35 | 6.35 | 84.80 | 150.00 | 286.80 | 16.75 | 3.50 | 1.50 | 0.80 | 0.35 | | |
| 4 | 0.15 | 0.55 | 2.00 | 7.10 | 62.10 | 90.00 | 326.00 | 15.25 | 3.30 | 1.50 | 0.75 | 0.35 | | |
| 5 | 0.25 | 0.40 | 2.40 | 9.75 | 46.00 | 56.85 | 349.80 | 14.00 | 3.00 | 1.50 | 0.75 | 0.35 | | |
| 6 | 0.15 | 0.35 | 2.25 | 17.75 | 37.90 | 49.50 | 349.80 | 11.50 | 2.90 | 1.45 | 0.70 | 0.30 | | |
| 7 | 0.10 | 0.30 | 2.50 | 14.50 | 31.75 | 46.35 | 340.00 | 10.75 | 2.70 | 1.40 | 0.70 | 0.30 | | |
| 8 | 0.05 | 0.30 | 3.00 | 11.75 | 25.25 | 38.50 | 308.50 | 10.75 | 2.60 | 1.40 | 0.70 | 0.30 | | |
| 9 | 0.00 | 0.35 | 2.50 | 9.35 | 24.00 | 37.60 | 292.40 | 10.50 | 2.50 | 1.40 | 0.65 | 0.30 | | |
| 10 | 0.00 | 0.40 | 2.25 | 6.80 | 22.25 | 42.40 | 291.00 | 9.50 | 2.45 | 1.35 | 0.65 | 0.25 | | |
| 11 | 0.00 | 0.50 | 2.00 | 9.50 | 22.50 | 40.00 | 284.00 | 9.35 | 2.35 | 1.30 | 0.60 | 0.25 | | |
| 12 | 0.00 | 0.45 | 1.75 | 18.25 | 23.25 | 33.75 | 295.90 | 8.75 | 2.30 | 1.30 | 0.55 | 0.25 | | |
| 13 | 0.00 | 0.40 | 1.50 | 21.50 | 78.40 | 33.00 | 305.00 | 8.75 | 2.25 | 1.25 | 0.50 | 0.20 | | |
| 14 | 0.00 | 0.30 | 1.25 | 19.50 | 205.00 | 65.95 | 294.50 | 8.75 | 2.20 | 1.20 | 0.50 | 0.20 | | |
| 15 | 0.00 | 0.45 | 1.00 | 17.75 | 205.60 | 90.00 | 270.00 | 8.15 | 2.15 | 1.15 | 0.50 | 0.20 | | |
| 16 | 0.00 | 0.45 | 0.95 | 14.00 | 193.00 | 86.80 | 212.20 | 7.10 | 2.10 | 1.15 | 0.45 | 0.50 | | |
| 17 | 0.25 | 0.35 | 1.00 | 13.75 | 190.60 | 89.20 | 146.50 | 6.65 | 2.05 | 1.15 | 0.45 | 0.75 | | |
| 18 | 0.30 | 0.25 | 1.30 | 11.25 | 175.50 | 96.80 | 98.00 | 6.50 | 2.00 | 1.10 | 0.45 | 1.50 | | |
| 19 | 0.30 | 0.30 | 1.30 | 9.20 | 141.50 | 99.50 | 78.00 | 5.75 | 1.95 | 1.10 | 0.40 | 1.30 | | |
| 20 | 0.40 | 0.40 | 1.25 | 9.20 | 105.50 | 105.50 | 63.50 | 5.00 | 1.75 | 1.05 | 0.40 | 1.00 | | |
| 21 | 0.35 | 2.00 | 1.25 | 10.25 | 81.60 | 114.00 | 53.70 | 4.70 | 1.50 | 0.95 | 0.40 | 0.75 | | |
| 22 | 0.40 | 3.10 | 1.50 | 11.00 | 78.00 | 130.50 | 49.50 | 4.70 | 0.50 | 0.95 | 0.35 | 0.50 | | |
| 23 | 0.40 | 4.25 | 1.50 | 15.50 | 98.00 | 134.50 | 43.00 | 5.00 | 0.65 | 0.95 | 0.35 | 0.50 | | |
| 24 | 0.50 | 5.00 | 1.85 | 45.40 | 139.50 | 124.00 | 35.75 | 5.00 | 0.60 | 0.90 | 0.35 | 0.50 | | |
| 25 | 0.75 | 4.25 | 2.20 | 74.40 | 164.00 | 106.50 | 31.00 | 4.25 | 0.55 | 0.90 | 0.35 | 0.50 | | |
| 26 | 1.00 | 3.50 | 3.00 | 86.00 | 148.00 | 68.75 | 27.50 | 3.50 | 0.50 | 0.90 | 0.30 | 0.50 | | |
| 27 | 1.25 | 3.20 | 3.50 | 72.25 | 130.50 | 71.20 | 25.25 | 3.50 | 0.50 | 0.90 | 0.30 | 1.75 | | |
| 28 | 1.50 | 2.70 | 4.25 | 56.50 | 104.50 | 67.00 | 24.00 | 3.95 | 0.50 | 0.85 | 0.35 | 2.00 | | |
| 29 | 1.50 | 2.20 | 5.00 | 50.55 | 84.00 | 86.80 | 22.00 | 3.80 | 0.50 | 0.80 | | 3.20 | | |
| 30 | 1.55 | 2.00 | 5.00 | 49.85 | 109.00 | 82.00 | 20.75 | 3.80 | 0.50 | 0.75 | | 1.50 | | |
| 31 | | 2.80 | | 49.85 | 163.00 | | 19.50 | | 0.50 | 0.75 | | 1.25 | | |
| Total | 11.30 | 44.15 | 66.50 | 758.95 | 3145.80 | 2579.95 | 5182.55 | 251.95 | 58.00 | 35.90 | 14.90 | 22.30 | 12172.25 | CMSDAY |
| Mean | 0.38 | 1.42 | 2.22 | 24.48 | 101.48 | 86.00 | 167.18 | 8.40 | 1.87 | 1.16 | 0.53 | 0.72 | 33.35 | CMS |
| Max | 1.55 | 5.00 | 5.00 | 86.00 | 205.60 | 172.50 | 349.80 | 18.25 | 3.65 | 1.55 | 0.85 | 3.20 | 349.80 | CMS |
| Min | 0.00 | 0.25 | 0.95 | 5.00 | 22.25 | 33.00 | 19.50 | 3.50 | 0.50 | 0.75 | 0.30 | 0.20 | 0.00 | CMS |
| Runoff | 0.98 | 3.81 | 5.75 | 65.57 | 271.80 | 222.91 | 447.77 | 21.77 | 5.01 | 3.10 | 1.29 | 1.93 | 1051.68 | MCM |

Momentary Peak 352.60 CMS, at 8.38 m. (A.D.), at 06.00 Hours, on Oct 6, 2006

Runoff Yield 19.11 Liters/Second/Square KM. Momentary Peak Yield 202.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Phra Phloeng at Ban Non Sao - E, Nakhon Ratchasima (M.171)

Lat 14 - 29 - 58 N Long 101 - 46 - 22 E

**Location : on right bank at Ban Non Sao - E.**

| | | | |
|---|---|---|---|
| | **Ban** Non Sao - E | **Amphoe** Wang Nam Khieo | **Changwat** Nakhon Ratchasima |
| **Drainge Area** | 553 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank downstream at the footpath | **Elevation** | +7.534 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2002 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2002 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2002 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 45 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

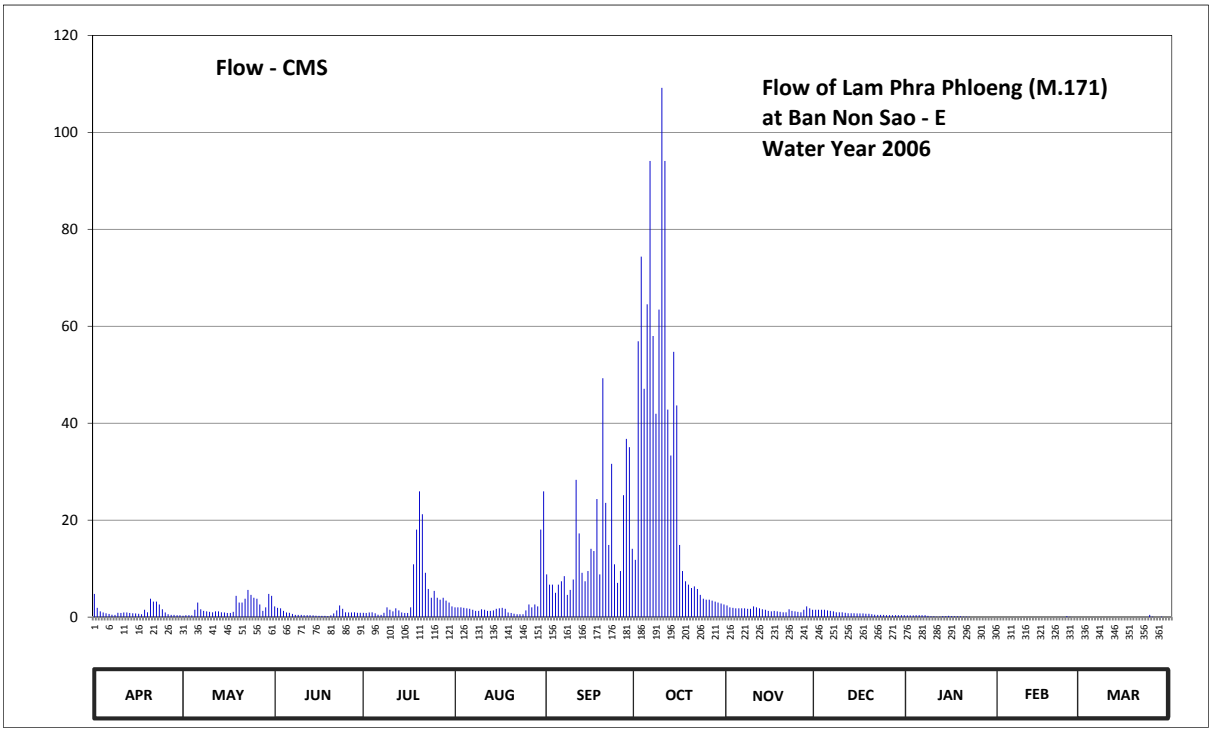
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.64 | 0.26 | 0.51 | 0.38 | 0.50 | 0.78 | 0.85 | 0.52 | 0.45 | 0.27 | 0.20 | 0.19 | |
| 2 | 0.49 | 0.28 | 0.49 | 0.37 | 0.50 | 0.72 | 1.39 | 0.50 | 0.45 | 0.27 | 0.20 | 0.18 | |
| 3 | 0.42 | 0.28 | 0.48 | 0.39 | 0.50 | 0.72 | 1.55 | 0.49 | 0.45 | 0.27 | 0.19 | 0.16 | |
| 4 | 0.39 | 0.27 | 0.43 | 0.40 | 0.49 | 0.65 | 1.30 | 0.48 | 0.45 | 0.28 | 0.19 | 0.14 | |
| 5 | 0.36 | 0.45 | 0.39 | 0.36 | 0.48 | 0.72 | 1.46 | 0.48 | 0.44 | 0.28 | 0.19 | 0.13 | |
| 6 | 0.33 | 0.55 | 0.38 | 0.30 | 0.47 | 0.74 | 1.73 | 0.48 | 0.43 | 0.28 | 0.19 | 0.13 | |
| 7 | 0.30 | 0.46 | 0.33 | 0.29 | 0.45 | 0.77 | 1.40 | 0.48 | 0.42 | 0.28 | 0.18 | 0.12 | |
| 8 | 0.29 | 0.43 | 0.29 | 0.38 | 0.43 | 0.63 | 1.24 | 0.47 | 0.40 | 0.25 | 0.17 | 0.11 | |
| 9 | 0.38 | 0.42 | 0.29 | 0.50 | 0.43 | 0.68 | 1.45 | 0.47 | 0.40 | 0.23 | 0.17 | 0.11 | |
| 10 | 0.37 | 0.41 | 0.29 | 0.45 | 0.46 | 0.75 | 1.86 | 0.51 | 0.40 | 0.23 | 0.17 | 0.10 | |
| 11 | 0.39 | 0.40 | 0.28 | 0.42 | 0.45 | 1.08 | 1.73 | 0.50 | 0.38 | 0.22 | 0.17 | 0.10 | |
| 12 | 0.39 | 0.42 | 0.28 | 0.48 | 0.43 | 0.94 | 1.25 | 0.48 | 0.36 | 0.22 | 0.17 | 0.10 | |
| 13 | 0.37 | 0.42 | 0.28 | 0.44 | 0.43 | 0.79 | 1.14 | 0.46 | 0.36 | 0.24 | 0.16 | 0.09 | |
| 14 | 0.36 | 0.40 | 0.27 | 0.39 | 0.44 | 0.74 | 1.37 | 0.45 | 0.36 | 0.24 | 0.15 | 0.09 | |
| 15 | 0.35 | 0.39 | 0.26 | 0.37 | 0.47 | 0.80 | 1.26 | 0.43 | 0.35 | 0.25 | 0.14 | 0.09 | |
| 16 | 0.34 | 0.37 | 0.25 | 0.37 | 0.48 | 0.90 | 0.91 | 0.42 | 0.35 | 0.24 | 0.13 | 0.09 | |
| 17 | 0.32 | 0.37 | 0.25 | 0.50 | 0.49 | 0.89 | 0.80 | 0.43 | 0.35 | 0.23 | 0.13 | 0.09 | |
| 18 | 0.45 | 0.41 | 0.25 | 0.83 | 0.47 | 1.03 | 0.74 | 0.42 | 0.34 | 0.23 | 0.13 | 0.09 | |
| 19 | 0.40 | 0.62 | 0.24 | 0.95 | 0.39 | 0.78 | 0.72 | 0.41 | 0.34 | 0.23 | 0.13 | 0.09 | |
| 20 | 0.59 | 0.55 | 0.27 | 1.05 | 0.37 | 1.32 | 0.70 | 0.40 | 0.32 | 0.22 | 0.13 | 0.09 | |
| 21 | 0.56 | 0.55 | 0.35 | 0.99 | 0.34 | 1.02 | 0.71 | 0.40 | 0.30 | 0.22 | 0.13 | 0.09 | |
| 22 | 0.56 | 0.59 | 0.44 | 0.79 | 0.32 | 0.91 | 0.69 | 0.46 | 0.29 | 0.21 | 0.12 | 0.18 | |
| 23 | 0.53 | 0.68 | 0.52 | 0.69 | 0.32 | 1.12 | 0.63 | 0.43 | 0.29 | 0.20 | 0.12 | 0.18 | |
| 24 | 0.46 | 0.63 | 0.47 | 0.60 | 0.32 | 0.83 | 0.59 | 0.42 | 0.29 | 0.20 | 0.24 | 0.29 | |
| 25 | 0.39 | 0.60 | 0.40 | 0.67 | 0.44 | 0.73 | 0.58 | 0.41 | 0.28 | 0.19 | 0.21 | 0.22 | |
| 26 | 0.32 | 0.59 | 0.39 | 0.60 | 0.53 | 0.80 | 0.58 | 0.40 | 0.28 | 0.19 | 0.18 | 0.19 | |
| 27 | 0.29 | 0.53 | 0.39 | 0.58 | 0.50 | 1.04 | 0.57 | 0.45 | 0.28 | 0.19 | 0.20 | 0.16 | |
| 28 | 0.29 | 0.43 | 0.40 | 0.60 | 0.53 | 1.18 | 0.56 | 0.51 | 0.28 | 0.19 | 0.19 | 0.22 | |
| 29 | 0.28 | 0.50 | 0.38 | 0.57 | 0.51 | 1.16 | 0.55 | 0.48 | 0.28 | 0.19 | | 0.18 | |
| 30 | 0.28 | 0.64 | 0.38 | 0.55 | 0.95 | 0.90 | 0.54 | 0.45 | 0.28 | 0.18 | | 0.15 | |
| 31 | | 0.62 | | 0.51 | 1.05 | | 0.53 | | 0.28 | 0.18 | | 0.11 | |
| Mean | 0.40 | 0.47 | 0.35 | 0.54 | 0.48 | 0.87 | 1.01 | 0.46 | 0.35 | 0.23 | 0.17 | 0.14 | |
| Max | 0.64 | 0.68 | 0.52 | 1.05 | 1.05 | 1.32 | 1.86 | 0.52 | 0.45 | 0.28 | 0.24 | 0.29 | 1.86 |
| Min | 0.28 | 0.26 | 0.24 | 0.29 | 0.32 | 0.63 | 0.53 | 0.40 | 0.28 | 0.18 | 0.12 | 0.09 | 0.09 |

Annual Max Momentary Gage Height 2.32 m. (A.D.) , at 02.00 Hours, on Oct 11, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.02 m. (A.D.) ,

Left Bank Elevation 4.79 m. (A.D.) ,

Right Bank Elevation 4.83 m. (A.D.) , Drainage Are 553 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.80 | 0.30 | 2.20 | 0.90 | 2.00 | 8.80 | 11.80 | 2.40 | 1.50 | 0.35 | 0.00 | 0.00 | | |
| 2 | 1.90 | 0.40 | 1.90 | 0.85 | 2.00 | 6.70 | 56.91 | 2.00 | 1.50 | 0.35 | 0.00 | 0.00 | | |
| 3 | 1.20 | 0.40 | 1.80 | 0.95 | 2.00 | 6.70 | 74.35 | 1.90 | 1.50 | 0.35 | 0.00 | 0.00 | | |
| 4 | 0.95 | 0.35 | 1.30 | 1.00 | 1.90 | 5.00 | 47.10 | 1.80 | 1.50 | 0.40 | 0.00 | 0.00 | | |
| 5 | 0.80 | 1.50 | 0.95 | 0.80 | 1.80 | 6.70 | 64.54 | 1.80 | 1.40 | 0.40 | 0.00 | 0.00 | | |
| 6 | 0.65 | 3.00 | 0.90 | 0.50 | 1.70 | 7.40 | 94.09 | 1.80 | 1.30 | 0.40 | 0.00 | 0.00 | | |
| 7 | 0.50 | 1.60 | 0.65 | 0.45 | 1.50 | 8.45 | 58.00 | 1.80 | 1.20 | 0.40 | 0.00 | 0.00 | | |
| 8 | 0.45 | 1.30 | 0.45 | 0.90 | 1.30 | 4.60 | 41.94 | 1.70 | 1.00 | 0.25 | 0.00 | 0.00 | | |
| 9 | 0.90 | 1.20 | 0.45 | 2.00 | 1.30 | 5.60 | 63.45 | 1.70 | 1.00 | 0.15 | 0.00 | 0.00 | | |
| 10 | 0.85 | 1.10 | 0.45 | 1.50 | 1.60 | 7.75 | 109.20 | 2.20 | 1.00 | 0.15 | 0.00 | 0.00 | | |
| 11 | 0.95 | 1.00 | 0.40 | 1.20 | 1.50 | 28.32 | 94.09 | 2.00 | 0.90 | 0.10 | 0.00 | 0.00 | | |
| 12 | 0.95 | 1.20 | 0.40 | 1.80 | 1.30 | 17.26 | 42.80 | 1.80 | 0.80 | 0.10 | 0.00 | 0.00 | | |
| 13 | 0.85 | 1.20 | 0.40 | 1.40 | 1.30 | 9.15 | 33.34 | 1.60 | 0.80 | 0.20 | 0.00 | 0.00 | | |
| 14 | 0.80 | 1.00 | 0.35 | 0.95 | 1.40 | 7.40 | 54.73 | 1.50 | 0.80 | 0.20 | 0.00 | 0.00 | | |
| 15 | 0.75 | 0.95 | 0.30 | 0.85 | 1.70 | 9.50 | 43.66 | 1.30 | 0.75 | 0.25 | 0.00 | 0.00 | | |
| 16 | 0.70 | 0.85 | 0.25 | 0.85 | 1.80 | 14.10 | 14.89 | 1.20 | 0.75 | 0.20 | 0.00 | 0.00 | | |
| 17 | 0.60 | 0.85 | 0.25 | 2.00 | 1.90 | 13.64 | 9.50 | 1.30 | 0.75 | 0.15 | 0.00 | 0.00 | | |
| 18 | 1.50 | 1.10 | 0.25 | 10.88 | 1.70 | 24.37 | 7.40 | 1.20 | 0.70 | 0.15 | 0.00 | 0.00 | | |
| 19 | 1.00 | 4.40 | 0.20 | 18.05 | 0.95 | 8.80 | 6.70 | 1.10 | 0.70 | 0.15 | 0.00 | 0.00 | | |
| 20 | 3.80 | 3.00 | 0.35 | 25.95 | 0.85 | 49.28 | 6.00 | 1.00 | 0.60 | 0.10 | 0.00 | 0.00 | | |
| 21 | 3.20 | 3.00 | 0.75 | 21.21 | 0.70 | 23.58 | 6.35 | 1.00 | 0.50 | 0.10 | 0.00 | 0.00 | | |
| 22 | 3.20 | 3.80 | 1.40 | 9.15 | 0.60 | 14.89 | 5.80 | 1.60 | 0.45 | 0.05 | 0.00 | 0.00 | | |
| 23 | 2.60 | 5.60 | 2.40 | 5.80 | 0.60 | 31.62 | 4.60 | 1.30 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 24 | 1.60 | 4.60 | 1.70 | 4.00 | 0.60 | 10.88 | 3.80 | 1.20 | 0.45 | 0.00 | 0.20 | 0.45 | | |
| 25 | 0.95 | 4.00 | 1.00 | 5.40 | 1.40 | 7.05 | 3.60 | 1.10 | 0.40 | 0.00 | 0.05 | 0.10 | | |
| 26 | 0.60 | 3.80 | 0.95 | 4.00 | 2.60 | 9.50 | 3.60 | 1.00 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.45 | 2.60 | 0.95 | 3.60 | 2.00 | 25.16 | 3.40 | 1.50 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.45 | 1.30 | 1.00 | 4.00 | 2.60 | 36.78 | 3.20 | 2.20 | 0.40 | 0.00 | 0.00 | 0.10 | | |
| 29 | 0.40 | 2.00 | 0.90 | 3.40 | 2.20 | 35.06 | 3.00 | 1.80 | 0.40 | 0.00 | | 0.00 | | |
| 30 | 0.40 | 4.80 | 0.90 | 3.00 | 18.05 | 14.10 | 2.80 | 1.50 | 0.40 | 0.00 | | 0.00 | | |
| 31 | | 4.40 | | 2.20 | 25.95 | | 2.60 | | 0.40 | 0.00 | | 0.00 | | |
| Total | 38.75 | 66.60 | 26.15 | 139.54 | 88.80 | 458.14 | 977.24 | 47.30 | 25.10 | 4.95 | 0.25 | 0.65 | 1873.47 | CMSDAY |
| Mean | 1.29 | 2.15 | 0.87 | 4.50 | 2.86 | 15.27 | 31.52 | 1.58 | 0.81 | 0.16 | 0.01 | 0.02 | 5.13 | CMS |
| Max | 4.80 | 5.60 | 2.40 | 25.95 | 25.95 | 49.28 | 109.20 | 2.40 | 1.50 | 0.40 | 0.20 | 0.45 | 109.20 | CMS |
| Min | 0.40 | 0.30 | 0.20 | 0.45 | 0.60 | 4.60 | 2.60 | 1.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 3.35 | 5.75 | 2.26 | 12.06 | 7.67 | 39.58 | 84.43 | 4.09 | 2.17 | 0.43 | 0.02 | 0.06 | 161.87 | MCM |

Momentary Peak 171.00 CMS, at 2.32 m. (A.D.), at 02.00 Hours, on Oct 11, 2006

Runoff Yield 9.28 Liters/Second/Square KM. Momentary Peak Yield 309.22 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Khlong Phai at Ban Non Sao - E, Nakhon Ratchasima (M.172)

Lat 14 - 29 - 14 N Long 101 - 46 - 57 E

**Location : on right bank at the bridge.**

**Ban** Non Sao - E **Amphoe** Wang Nam Khieo **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 143 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank downstream side at the footpath of the bridge. **Elevation** +5.872 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2003 to date |
| **Rating Operation** | |
| **Period of Rating** | 2003 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2003 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 25 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

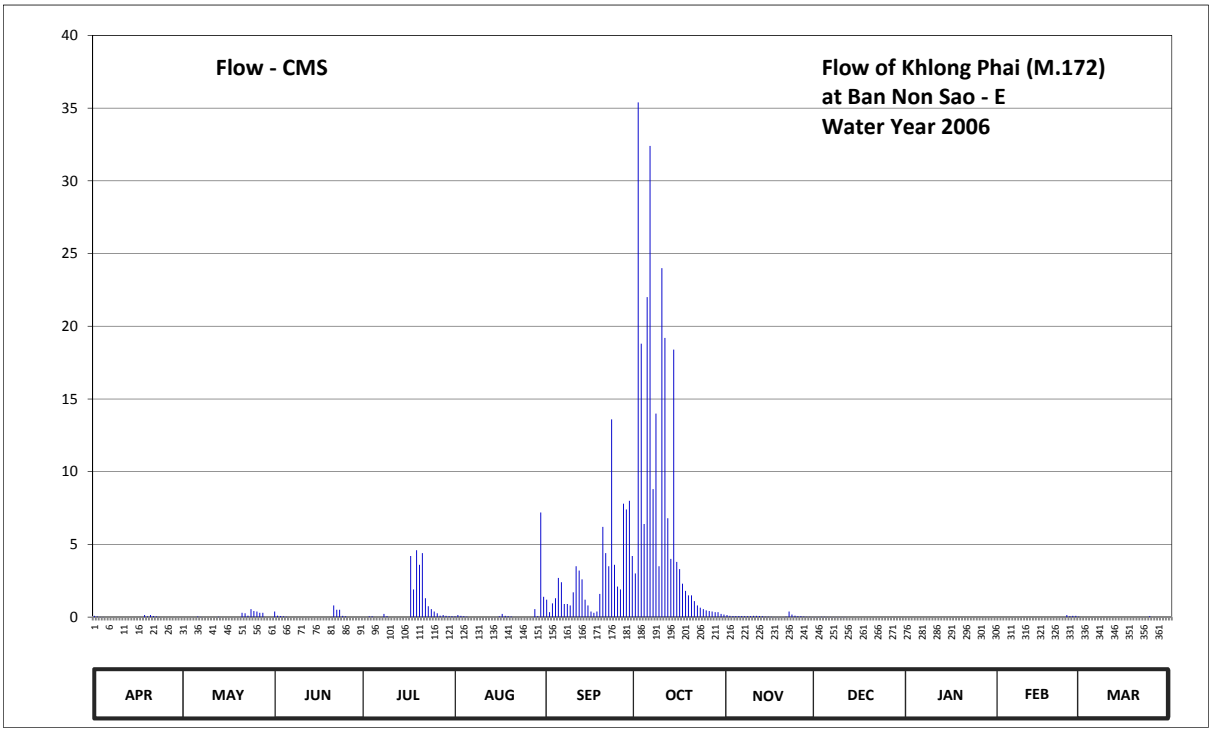
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.09 | -0.06 | 0.17 | -0.06 | 0.05 | 0.32 | 0.50 | 0.11 | 0.01 | -0.18 | -0.20 | -0.02 | |
| 2 | 0.04 | -0.06 | 0.10 | -0.06 | 0.11 | 0.16 | 1.44 | 0.09 | 0.01 | -0.18 | -0.20 | -0.04 | |
| 3 | 0.01 | -0.07 | 0.08 | 0.05 | 0.09 | 0.29 | 1.12 | 0.08 | 0.02 | -0.18 | -0.20 | -0.04 | |
| 4 | 0.01 | -0.07 | 0.05 | 0.05 | 0.07 | 0.33 | 0.72 | 0.08 | 0.02 | -0.19 | -0.20 | -0.04 | |
| 5 | -0.02 | -0.01 | 0.02 | -0.05 | 0.03 | 0.47 | 1.20 | 0.08 | 0.01 | -0.19 | -0.20 | -0.04 | |
| 6 | -0.02 | 0.04 | -0.02 | -0.06 | -0.03 | 0.44 | 1.39 | 0.08 | 0.01 | -0.19 | -0.20 | -0.05 | |
| 7 | -0.03 | 0.01 | -0.04 | -0.06 | -0.05 | 0.28 | 0.84 | 0.07 | 0.01 | -0.19 | -0.20 | -0.05 | |
| 8 | -0.03 | -0.03 | -0.05 | 0.13 | -0.05 | 0.28 | 1.00 | 0.06 | 0.01 | -0.19 | -0.20 | -0.05 | |
| 9 | -0.04 | -0.05 | -0.05 | 0.06 | -0.05 | 0.26 | 0.55 | 0.06 | 0.01 | -0.20 | -0.20 | -0.05 | |
| 10 | -0.05 | -0.05 | -0.05 | -0.04 | -0.06 | 0.37 | 1.24 | 0.09 | 0.01 | -0.20 | -0.20 | -0.06 | |
| 11 | -0.05 | -0.06 | -0.06 | -0.05 | -0.06 | 0.55 | 1.13 | 0.09 | 0.01 | -0.20 | -0.21 | -0.06 | |
| 12 | -0.05 | -0.01 | -0.06 | -0.05 | -0.06 | 0.52 | 0.74 | 0.08 | -0.01 | -0.20 | -0.21 | -0.06 | |
| 13 | -0.05 | 0.02 | -0.06 | -0.05 | -0.07 | 0.46 | 0.60 | 0.06 | -0.01 | -0.20 | -0.21 | -0.08 | |
| 14 | -0.05 | -0.02 | -0.07 | -0.06 | -0.07 | 0.32 | 1.11 | 0.03 | -0.02 | -0.20 | -0.21 | -0.08 | |
| 15 | -0.05 | -0.04 | -0.07 | -0.06 | -0.07 | 0.26 | 0.58 | 0.03 | -0.02 | -0.20 | -0.22 | -0.08 | |
| 16 | -0.05 | -0.05 | -0.07 | -0.06 | 0.05 | 0.17 | 0.53 | 0.02 | -0.02 | -0.20 | -0.22 | -0.09 | |
| 17 | -0.06 | -0.05 | -0.08 | 0.61 | 0.13 | 0.15 | 0.43 | 0.01 | -0.02 | -0.20 | -0.22 | -0.09 | |
| 18 | 0.11 | -0.05 | -0.08 | 0.39 | 0.09 | 0.17 | 0.38 | 0.01 | -0.03 | -0.20 | -0.22 | -0.09 | |
| 19 | 0.05 | -0.03 | -0.09 | 0.63 | 0.06 | 0.36 | 0.35 | 0.01 | -0.03 | -0.20 | -0.23 | -0.09 | |
| 20 | 0.11 | -0.03 | 0.01 | 0.56 | 0.04 | 0.71 | 0.35 | 0.01 | -0.03 | -0.20 | -0.23 | -0.10 | |
| 21 | 0.08 | 0.15 | 0.26 | 0.62 | -0.02 | 0.62 | 0.31 | 0.03 | -0.03 | -0.20 | -0.23 | -0.10 | |
| 22 | 0.04 | 0.14 | 0.20 | 0.33 | -0.04 | 0.55 | 0.26 | 0.17 | -0.03 | -0.20 | -0.23 | -0.10 | |
| 23 | 0.01 | 0.10 | 0.20 | 0.25 | -0.05 | 0.99 | 0.23 | 0.12 | -0.04 | -0.20 | -0.03 | -0.10 | |
| 24 | -0.02 | 0.21 | 0.09 | 0.21 | -0.05 | 0.56 | 0.21 | 0.10 | -0.04 | -0.20 | 0.11 | 0.06 | |
| 25 | -0.03 | 0.18 | 0.05 | 0.17 | -0.05 | 0.41 | 0.19 | 0.06 | -0.04 | -0.20 | 0.07 | -0.02 | |
| 26 | -0.04 | 0.17 | -0.02 | 0.14 | -0.05 | 0.39 | 0.18 | 0.06 | -0.04 | -0.20 | 0.09 | -0.03 | |
| 27 | -0.04 | 0.15 | -0.05 | 0.10 | -0.05 | 0.79 | 0.17 | 0.04 | -0.04 | -0.20 | 0.09 | -0.04 | |
| 28 | -0.05 | 0.15 | -0.05 | 0.11 | 0.21 | 0.77 | 0.16 | 0.02 | -0.04 | -0.20 | 0.03 | -0.04 | |
| 29 | -0.05 | -0.08 | -0.06 | 0.09 | 0.07 | 0.80 | 0.16 | 0.02 | -0.05 | -0.20 | | -0.05 | |
| 30 | -0.05 | -0.07 | -0.05 | 0.07 | 0.76 | 0.61 | 0.13 | 0.01 | -0.06 | -0.20 | | -0.05 | |
| 31 | | -0.07 | | 0.06 | 0.34 | | 0.12 | | -0.07 | -0.20 | | -0.11 | |
| Mean | -0.01 | 0.01 | 0.01 | 0.13 | 0.04 | 0.45 | 0.59 | 0.06 | -0.02 | -0.20 | -0.15 | -0.06 | |
| Max | 0.11 | 0.21 | 0.26 | 0.63 | 0.76 | 0.99 | 1.44 | 0.17 | 0.02 | -0.18 | 0.11 | 0.06 | 1.44 |
| Min | -0.06 | -0.08 | -0.09 | -0.06 | -0.07 | 0.15 | 0.12 | 0.01 | -0.07 | -0.20 | -0.23 | -0.11 | -0.23 |

Annual Max Momentary Gage Height 1.98 m. (A.D.) , at 17.00 Hours, on Oct 10, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.05 m. (A.D.) ,

Left Bank Elevation 2.28 m. (A.D.) ,

Right Bank Elevation 2.03 m. (A.D.) , Drainage Are 143 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.09 | 0.00 | 0.38 | 0.00 | 0.05 | 1.20 | 3.00 | 0.14 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.04 | 0.00 | 0.10 | 0.00 | 0.14 | 0.34 | 35.40 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.01 | 0.00 | 0.08 | 0.05 | 0.09 | 0.95 | 18.80 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.01 | 0.00 | 0.05 | 0.05 | 0.07 | 1.30 | 6.40 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.02 | 0.00 | 0.03 | 2.70 | 22.00 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 2.40 | 32.40 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.90 | 8.80 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.90 | 14.00 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.80 | 3.50 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 24.00 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 | 19.20 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 6.80 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 2.60 | 4.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 18.40 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 3.80 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.38 | 3.30 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 4.20 | 0.22 | 0.30 | 2.30 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.14 | 0.00 | 0.00 | 1.90 | 0.09 | 0.38 | 1.80 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.05 | 0.00 | 0.00 | 4.60 | 0.06 | 1.60 | 1.50 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.14 | 0.00 | 0.01 | 3.60 | 0.04 | 6.20 | 1.50 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.08 | 0.30 | 0.80 | 4.40 | 0.00 | 4.40 | 1.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.04 | 0.26 | 0.50 | 1.30 | 0.00 | 3.50 | 0.80 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.01 | 0.10 | 0.50 | 0.75 | 0.00 | 13.60 | 0.65 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.55 | 0.09 | 0.55 | 0.00 | 3.60 | 0.55 | 0.10 | 0.00 | 0.00 | 0.14 | 0.06 | | |
| 25 | 0.00 | 0.42 | 0.05 | 0.38 | 0.00 | 2.10 | 0.46 | 0.06 | 0.00 | 0.00 | 0.07 | 0.00 | | |
| 26 | 0.00 | 0.38 | 0.00 | 0.26 | 0.00 | 1.90 | 0.42 | 0.06 | 0.00 | 0.00 | 0.09 | 0.00 | | |
| 27 | 0.00 | 0.30 | 0.00 | 0.10 | 0.00 | 7.80 | 0.38 | 0.04 | 0.00 | 0.00 | 0.09 | 0.00 | | |
| 28 | 0.00 | 0.30 | 0.00 | 0.14 | 0.55 | 7.40 | 0.34 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.09 | 0.07 | 8.00 | 0.34 | 0.02 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.07 | 7.20 | 4.20 | 0.22 | 0.01 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.06 | 1.40 | | 0.18 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.61 | 2.68 | 2.58 | 22.78 | 10.06 | 89.85 | 236.34 | 2.08 | 0.13 | 0.00 | 0.42 | 0.06 | 367.59 | CMSDAY |
| Mean | 0.02 | 0.09 | 0.09 | 0.73 | 0.32 | 3.00 | 7.62 | 0.07 | 0.00 | 0.00 | 0.02 | 0.00 | 1.01 | CMS |
| Max | 0.14 | 0.55 | 0.80 | 4.60 | 7.20 | 13.60 | 35.40 | 0.38 | 0.02 | 0.00 | 0.14 | 0.06 | 35.40 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.18 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.05 | 0.23 | 0.22 | 1.97 | 0.87 | 7.76 | 20.42 | 0.18 | 0.01 | 0.00 | 0.04 | 0.01 | 31.76 | MCM |

Momentary Peak 73.40 CMS, at 1.98 m. (A.D.), at 17.00 Hours, on Oct 10, 2006

Runoff Yield 7.04 Liters/Second/Square KM. Momentary Peak Yield 513.29 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Non Sa - at, Nakhon Ratchasima (M.173)

Lat 14 - 44 - 37 N Long 102 - 12 - 54 E

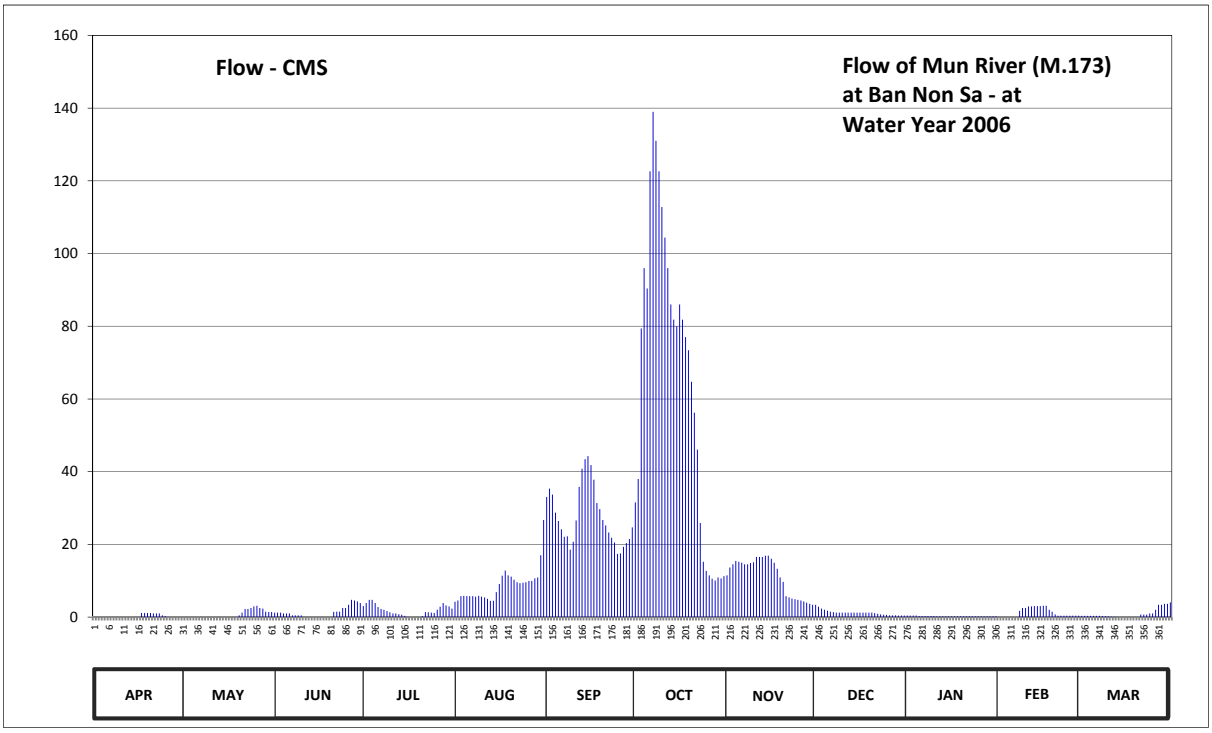
**Location : on right bank at Ban Non Sa - at.**

| | | | |
|---|---|---|---|
| | **Ban** Non Sa - at | **Amphoe** Chok Chai | **Changwat** Nakhon Ratchasima |
| **Drainge Area** | 4,211 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the footpath of the bridge. | **Elevation** | +9.032 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.0 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +4.560 m.(A.D.), records are channel flow only. | | |
| **General Description** | Records good. Stage-discharge relation defined by 37 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.70 | 1.00 | 1.45 | 1.76 | 1.89 | 4.18 | 4.09 | 2.55 | 1.80 | 1.29 | 1.16 | 1.27 | |
| 2 | 0.70 | 1.00 | 1.45 | 1.85 | 1.93 | 4.32 | 4.48 | 2.73 | 1.74 | 1.29 | 1.16 | 1.27 | |
| 3 | 0.70 | 1.00 | 1.45 | 1.95 | 2.05 | 4.22 | 6.54 | 2.80 | 1.67 | 1.29 | 1.16 | 1.27 | |
| 4 | 0.70 | 1.00 | 1.40 | 1.95 | 2.06 | 3.92 | 6.75 | 2.88 | 1.60 | 1.29 | 1.16 | 1.27 | |
| 5 | 0.70 | 1.00 | 1.40 | 1.85 | 2.05 | 3.76 | 6.71 | 2.86 | 1.55 | 1.26 | 1.16 | 1.27 | |
| 6 | 0.80 | 1.00 | 1.40 | 1.73 | 2.05 | 3.59 | 6.94 | 2.84 | 1.50 | 1.26 | 1.16 | 1.27 | |
| 7 | 0.80 | 1.00 | 1.30 | 1.65 | 2.05 | 3.43 | 7.05 | 2.80 | 1.47 | 1.26 | 1.09 | 1.27 | |
| 8 | 0.80 | 1.00 | 1.30 | 1.60 | 2.04 | 3.44 | 7.00 | 2.80 | 1.45 | 1.26 | 1.54 | 1.26 | |
| 9 | 0.80 | 1.10 | 1.30 | 1.53 | 2.06 | 3.14 | 6.94 | 2.83 | 1.45 | 1.26 | 1.70 | 1.25 | |
| 10 | 0.80 | 1.10 | 1.30 | 1.46 | 2.04 | 3.32 | 6.87 | 2.85 | 1.45 | 1.26 | 1.70 | 1.24 | |
| 11 | 1.00 | 1.10 | 1.10 | 1.40 | 2.02 | 3.77 | 6.81 | 2.97 | 1.45 | 1.24 | 1.75 | 1.23 | |
| 12 | 1.00 | 1.10 | 1.10 | 1.40 | 1.98 | 4.35 | 6.75 | 2.97 | 1.45 | 1.24 | 1.75 | 1.22 | |
| 13 | 1.00 | 1.10 | 1.08 | 1.36 | 1.92 | 4.65 | 6.65 | 2.97 | 1.45 | 1.24 | 1.76 | 1.21 | |
| 14 | 1.20 | 1.12 | 0.99 | 1.33 | 1.92 | 4.81 | 6.58 | 3.00 | 1.45 | 1.24 | 1.76 | 1.20 | |
| 15 | 1.20 | 1.18 | 0.86 | 1.27 | 2.15 | 4.86 | 6.55 | 3.00 | 1.45 | 1.24 | 1.76 | 1.20 | |
| 16 | 1.20 | 1.18 | 0.75 | 1.21 | 2.35 | 4.71 | 6.65 | 2.93 | 1.45 | 1.24 | 1.77 | 1.20 | |
| 17 | 1.43 | 1.18 | 0.70 | 1.16 | 2.54 | 4.47 | 6.58 | 2.84 | 1.45 | 1.24 | 1.77 | 1.20 | |
| 18 | 1.43 | 1.18 | 0.77 | 1.16 | 2.66 | 4.08 | 6.50 | 2.70 | 1.45 | 1.24 | 1.60 | 1.20 | |
| 19 | 1.43 | 1.20 | 0.94 | 1.17 | 2.55 | 3.98 | 6.41 | 2.50 | 1.45 | 1.24 | 1.50 | 1.20 | |
| 20 | 1.43 | 1.30 | 1.15 | 1.19 | 2.52 | 3.78 | 6.04 | 2.40 | 1.45 | 1.24 | 1.35 | 1.20 | |
| 21 | 1.40 | 1.45 | 1.49 | 1.25 | 2.45 | 3.67 | 5.57 | 2.05 | 1.42 | 1.24 | 1.28 | 1.34 | |
| 22 | 1.40 | 1.65 | 1.50 | 1.47 | 2.39 | 3.52 | 4.97 | 2.02 | 1.38 | 1.24 | 1.28 | 1.34 | |
| 23 | 1.40 | 1.65 | 1.50 | 1.46 | 2.37 | 3.41 | 3.72 | 1.99 | 1.35 | 1.24 | 1.28 | 1.34 | |
| 24 | 1.30 | 1.70 | 1.70 | 1.45 | 2.38 | 3.30 | 2.86 | 1.97 | 1.33 | 1.24 | 1.28 | 1.40 | |
| 25 | 1.25 | 1.75 | 1.70 | 1.43 | 2.39 | 3.04 | 2.65 | 1.95 | 1.32 | 1.24 | 1.28 | 1.40 | |
| 26 | 1.20 | 1.77 | 1.80 | 1.60 | 2.42 | 3.05 | 2.55 | 1.93 | 1.30 | 1.24 | 1.28 | 1.60 | |
| 27 | 1.14 | 1.70 | 1.95 | 1.74 | 2.42 | 3.20 | 2.47 | 1.90 | 1.30 | 1.24 | 1.28 | 1.80 | |
| 28 | 1.12 | 1.67 | 1.93 | 1.85 | 2.48 | 3.29 | 2.43 | 1.86 | 1.30 | 1.24 | 1.28 | 1.80 | |
| 29 | 1.09 | 1.50 | 1.90 | 1.78 | 2.50 | 3.38 | 2.50 | 1.83 | 1.29 | 1.24 | | 1.83 | |
| 30 | 1.07 | 1.48 | 1.85 | 1.75 | 3.01 | 3.63 | 2.48 | 1.80 | 1.29 | 1.24 | | 1.83 | |
| 31 | | 1.48 | | 1.67 | 3.78 | | 2.53 | | 1.29 | 1.24 | | 1.87 | |
| Mean | 1.07 | 1.28 | 1.35 | 1.53 | 2.30 | 3.81 | 5.28 | 2.52 | 1.44 | 1.25 | 1.43 | 1.36 | |
| Max | 1.43 | 1.77 | 1.95 | 1.95 | 3.78 | 4.86 | 7.05 | 3.00 | 1.80 | 1.29 | 1.77 | 1.87 | 7.05 |
| Min | 0.70 | 1.00 | 0.70 | 1.16 | 1.89 | 3.04 | 2.43 | 1.80 | 1.29 | 1.24 | 1.09 | 1.20 | 0.70 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 7.05 | m. (A.D.) , | at 06.00 Hours, on Oct 7, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | -1.60 | m. (A.D.) , |
| Left Bank Elevation | 4.55 | m. (A.D.) , | | | |
| Right Bank Elevation | 6.12 | m. (A.D.) , | Drainage Are | 4,211 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 1.25 | 3.04 | 4.21 | 33.03 | 31.54 | 11.50 | 3.40 | 0.45 | 0.00 | 0.35 | | |
| 2 | 0.00 | 0.00 | 1.25 | 3.85 | 4.57 | 35.34 | 37.99 | 13.66 | 2.86 | 0.45 | 0.00 | 0.35 | | |
| 3 | 0.00 | 0.00 | 1.25 | 4.75 | 5.75 | 33.69 | 79.40 | 14.50 | 2.35 | 0.45 | 0.00 | 0.35 | | |
| 4 | 0.00 | 0.00 | 1.00 | 4.75 | 5.86 | 28.73 | 96.00 | 15.46 | 2.00 | 0.45 | 0.00 | 0.35 | | |
| 5 | 0.00 | 0.00 | 1.00 | 3.85 | 5.75 | 26.44 | 90.40 | 15.22 | 1.75 | 0.30 | 0.00 | 0.35 | | |
| 6 | 0.00 | 0.00 | 1.00 | 2.77 | 5.75 | 24.17 | 122.60 | 14.98 | 1.50 | 0.30 | 0.00 | 0.35 | | |
| 7 | 0.00 | 0.00 | 0.50 | 2.25 | 5.75 | 22.09 | 139.00 | 14.50 | 1.35 | 0.30 | 0.00 | 0.35 | | |
| 8 | 0.00 | 0.00 | 0.50 | 2.00 | 5.64 | 22.22 | 131.00 | 14.50 | 1.25 | 0.30 | 1.70 | 0.30 | | |
| 9 | 0.00 | 0.00 | 0.50 | 1.65 | 5.86 | 18.58 | 122.60 | 14.86 | 1.25 | 0.30 | 2.50 | 0.25 | | |
| 10 | 0.00 | 0.00 | 0.50 | 1.30 | 5.64 | 20.74 | 112.80 | 15.10 | 1.25 | 0.30 | 2.50 | 0.20 | | |
| 11 | 0.00 | 0.00 | 0.00 | 1.00 | 5.42 | 26.58 | 104.40 | 16.54 | 1.25 | 0.20 | 2.95 | 0.15 | | |
| 12 | 0.00 | 0.00 | 0.00 | 1.00 | 5.02 | 35.84 | 96.00 | 16.54 | 1.25 | 0.20 | 2.95 | 0.10 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.80 | 4.48 | 40.80 | 86.00 | 16.54 | 1.25 | 0.20 | 3.04 | 0.05 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.65 | 4.48 | 43.45 | 81.80 | 16.90 | 1.25 | 0.20 | 3.04 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.35 | 6.85 | 44.27 | 80.00 | 16.90 | 1.25 | 0.20 | 3.04 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.05 | 9.10 | 41.79 | 86.00 | 16.06 | 1.25 | 0.20 | 3.13 | 0.00 | | |
| 17 | 1.15 | 0.00 | 0.00 | 0.00 | 11.38 | 37.82 | 81.80 | 14.98 | 1.25 | 0.20 | 3.13 | 0.00 | | |
| 18 | 1.15 | 0.00 | 0.00 | 0.00 | 12.82 | 31.38 | 77.00 | 13.30 | 1.25 | 0.20 | 2.00 | 0.00 | | |
| 19 | 1.15 | 0.00 | 0.00 | 0.00 | 11.50 | 29.72 | 73.40 | 10.90 | 1.25 | 0.20 | 1.50 | 0.00 | | |
| 20 | 1.15 | 0.50 | 0.00 | 0.00 | 11.14 | 26.72 | 64.72 | 9.70 | 1.25 | 0.20 | 0.75 | 0.00 | | |
| 21 | 1.00 | 1.25 | 1.45 | 0.25 | 10.30 | 25.21 | 56.26 | 5.75 | 1.10 | 0.20 | 0.40 | 0.70 | | |
| 22 | 1.00 | 2.25 | 1.50 | 1.35 | 9.58 | 23.26 | 46.09 | 5.42 | 0.90 | 0.20 | 0.40 | 0.70 | | |
| 23 | 1.00 | 2.25 | 1.50 | 1.30 | 9.34 | 21.83 | 25.88 | 5.11 | 0.75 | 0.20 | 0.40 | 0.70 | | |
| 24 | 0.50 | 2.50 | 2.50 | 1.25 | 9.46 | 20.50 | 15.22 | 4.93 | 0.65 | 0.20 | 0.40 | 1.00 | | |
| 25 | 0.25 | 2.95 | 2.50 | 1.15 | 9.58 | 17.38 | 12.70 | 4.75 | 0.60 | 0.20 | 0.40 | 1.00 | | |
| 26 | 0.00 | 3.13 | 3.40 | 2.00 | 9.94 | 17.50 | 11.50 | 4.57 | 0.50 | 0.20 | 0.40 | 2.00 | | |
| 27 | 0.00 | 2.50 | 4.75 | 2.86 | 9.94 | 19.30 | 10.54 | 4.30 | 0.50 | 0.20 | 0.40 | 3.40 | | |
| 28 | 0.00 | 2.35 | 4.57 | 3.85 | 10.66 | 20.38 | 10.06 | 3.94 | 0.50 | 0.20 | 0.40 | 3.40 | | |
| 29 | 0.00 | 1.50 | 4.30 | 3.22 | 10.90 | 21.46 | 10.90 | 3.67 | 0.45 | 0.20 | | 3.67 | | |
| 30 | 0.00 | 1.40 | 3.85 | 2.95 | 17.02 | 24.69 | 10.66 | 3.40 | 0.45 | 0.20 | | 3.67 | | |
| 31 | | 1.40 | | 2.35 | 26.72 | | 11.26 | | 0.45 | 0.20 | | 4.03 | | |
| Total | 8.35 | 23.98 | 39.07 | 56.59 | 270.41 | 834.91 | 2015.52 | 338.48 | 38.31 | 7.80 | 35.43 | 27.77 | 3696.62 | CMSDAY |
| Mean | 0.28 | 0.77 | 1.30 | 1.83 | 8.72 | 27.83 | 65.02 | 11.28 | 1.24 | 0.25 | 1.27 | 0.90 | 10.13 | CMS |
| Max | 1.15 | 3.13 | 4.75 | 4.75 | 26.72 | 44.27 | 139.00 | 16.90 | 3.40 | 0.45 | 3.13 | 4.03 | 139.00 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 4.21 | 17.38 | 10.06 | 3.40 | 0.45 | 0.20 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.72 | 2.07 | 3.38 | 4.89 | 23.36 | 72.14 | 174.14 | 29.24 | 3.31 | 0.67 | 3.06 | 2.40 | 319.39 | MCM |

Momentary Peak 139.00 CMS, at 7.05 m. (A.D.), at 06.00 Hours, on Oct 7, 2006

Runoff Yield 2.41 Liters/Second/Square KM. Momentary Peak Yield 33.01 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Khayung at Ban Non Si Khlai, Si Sa Ket (M.176)

Lat 15 - 00 - 18 N Long 104 - 38 - 14 E

**Location : on left bank at Ban Non Si Khlai.**

| | |
|---|---|
| | **Ban** Non Si Khlai **Amphoe** Kanthararom **Changwat** Si Sa Ket |
| **Drainge Area** | 3,131 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the footpath of the bridge. **Elevation** +13.903 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2003 to date |
| **Rating Operation** | |
| **Period of Rating** | 2003 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2003 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +9.280 m.(A.D.), records are channel flow only. |
| **General Description** | Records good. Stage-discharge relation defined by 37 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

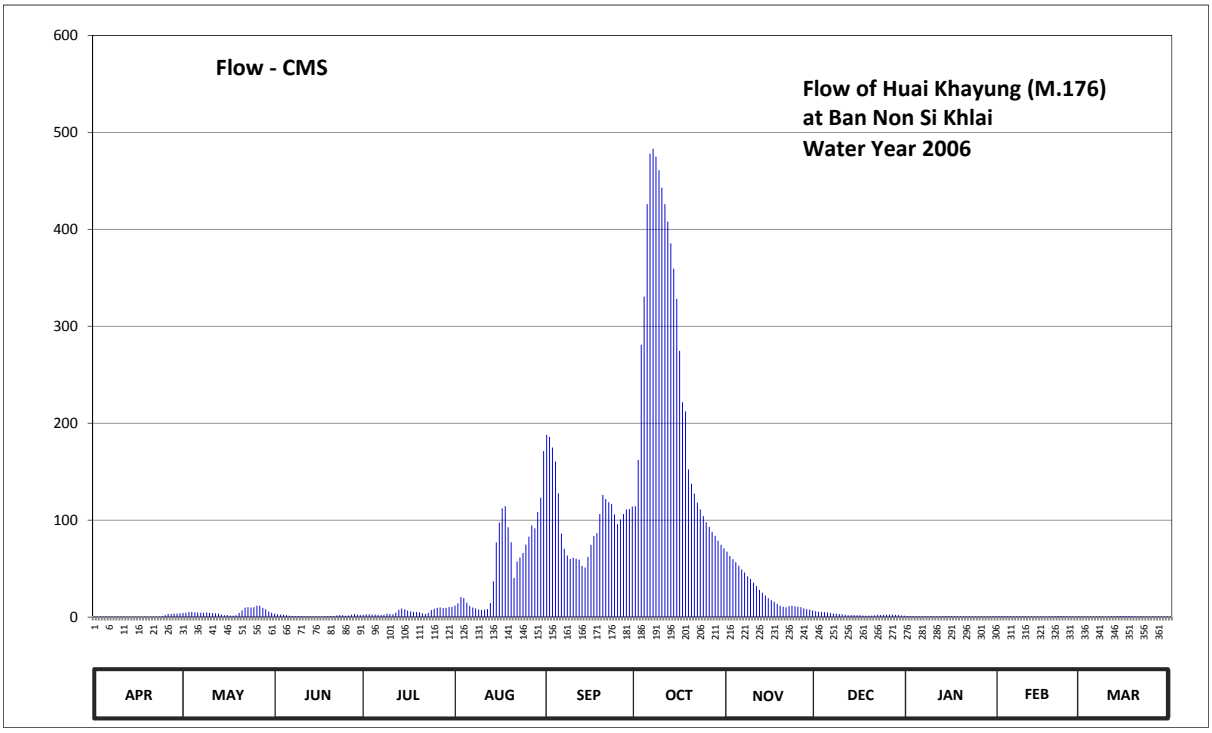
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.58 | 1.12 | 1.06 | 0.94 | 1.77 | 8.10 | 6.27 | 4.63 | 1.31 | 0.82 | 0.78 | 0.65 | |
| 2 | 0.61 | 1.15 | 1.00 | 0.99 | 1.95 | 8.06 | 7.55 | 4.45 | 1.26 | 0.80 | 0.78 | 0.65 | |
| 3 | 0.59 | 1.21 | 0.97 | 0.99 | 2.38 | 7.83 | 9.67 | 4.31 | 1.22 | 0.80 | 0.75 | 0.63 | |
| 4 | 0.60 | 1.22 | 0.94 | 0.97 | 2.31 | 7.51 | 10.32 | 4.17 | 1.21 | 0.78 | 0.74 | 0.63 | |
| 5 | 0.63 | 1.19 | 0.89 | 0.96 | 1.99 | 6.68 | 11.36 | 4.01 | 1.18 | 0.75 | 0.73 | 0.62 | |
| 6 | 0.60 | 1.17 | 0.85 | 0.93 | 1.73 | 5.33 | 11.88 | 3.84 | 1.12 | 0.73 | 0.71 | 0.63 | |
| 7 | 0.62 | 1.14 | 0.81 | 0.91 | 1.61 | 4.75 | 11.93 | 3.70 | 1.07 | 0.75 | 0.71 | 0.64 | |
| 8 | 0.59 | 1.15 | 0.79 | 0.95 | 1.53 | 4.47 | 11.85 | 3.50 | 1.05 | 0.74 | 0.70 | 0.63 | |
| 9 | 0.57 | 1.18 | 0.77 | 1.04 | 1.44 | 4.32 | 11.71 | 3.36 | 1.02 | 0.72 | 0.70 | 0.61 | |
| 10 | 0.57 | 1.14 | 0.76 | 1.02 | 1.41 | 4.37 | 11.53 | 3.17 | 0.99 | 0.71 | 0.70 | 0.65 | |
| 11 | 0.57 | 1.11 | 0.75 | 0.99 | 1.42 | 4.33 | 11.36 | 3.00 | 0.95 | 0.70 | 0.69 | 0.72 | |
| 12 | 0.55 | 1.09 | 0.72 | 1.16 | 1.48 | 4.29 | 11.18 | 2.81 | 0.90 | 0.71 | 0.67 | 0.74 | |
| 13 | 0.54 | 1.07 | 0.71 | 1.42 | 1.97 | 4.00 | 10.94 | 2.64 | 0.92 | 0.78 | 0.66 | 0.78 | |
| 14 | 0.52 | 0.97 | 0.69 | 1.53 | 3.24 | 3.93 | 10.65 | 2.47 | 0.91 | 0.81 | 0.65 | 0.81 | |
| 15 | 0.50 | 0.89 | 0.67 | 1.46 | 5.00 | 4.41 | 10.29 | 2.30 | 0.90 | 0.80 | 0.65 | 0.82 | |
| 16 | 0.50 | 0.91 | 0.67 | 1.35 | 5.72 | 4.91 | 9.58 | 2.16 | 0.90 | 0.77 | 0.65 | 0.82 | |
| 17 | 0.49 | 0.87 | 0.65 | 1.30 | 6.20 | 5.24 | 8.73 | 2.05 | 0.86 | 0.75 | 0.68 | 0.82 | |
| 18 | 0.50 | 0.85 | 0.71 | 1.25 | 6.27 | 5.35 | 8.56 | 1.90 | 0.85 | 0.75 | 0.71 | 0.79 | |
| 19 | 0.51 | 0.90 | 0.82 | 1.23 | 5.55 | 6.01 | 7.31 | 1.76 | 0.84 | 0.73 | 0.72 | 0.73 | |
| 20 | 0.50 | 1.12 | 0.81 | 1.20 | 5.01 | 6.63 | 6.94 | 1.68 | 0.86 | 0.71 | 0.77 | 0.70 | |
| 21 | 0.51 | 1.38 | 0.83 | 1.09 | 3.42 | 6.50 | 6.67 | 1.62 | 0.90 | 0.70 | 0.81 | 0.70 | |
| 22 | 0.54 | 1.60 | 0.87 | 1.01 | 4.20 | 6.40 | 6.39 | 1.72 | 0.94 | 0.70 | 0.80 | 0.68 | |
| 23 | 0.60 | 1.64 | 0.92 | 1.14 | 4.38 | 6.34 | 6.17 | 1.76 | 0.92 | 0.69 | 0.80 | 0.67 | |
| 24 | 0.65 | 1.61 | 0.89 | 1.40 | 4.58 | 6.00 | 5.94 | 1.70 | 0.94 | 0.68 | 0.75 | 0.67 | |
| 25 | 0.90 | 1.64 | 0.85 | 1.50 | 4.92 | 5.66 | 5.73 | 1.68 | 0.95 | 0.67 | 0.70 | 0.65 | |
| 26 | 1.03 | 1.75 | 0.86 | 1.58 | 5.22 | 5.82 | 5.57 | 1.64 | 0.96 | 0.67 | 0.65 | 0.65 | |
| 27 | 1.02 | 1.75 | 0.95 | 1.63 | 5.62 | 6.01 | 5.40 | 1.55 | 0.96 | 0.67 | 0.68 | 0.63 | |
| 28 | 1.06 | 1.59 | 1.02 | 1.56 | 5.52 | 6.17 | 5.25 | 1.48 | 0.93 | 0.69 | 0.73 | 0.62 | |
| 29 | 1.06 | 1.47 | 0.97 | 1.58 | 6.08 | 6.18 | 5.07 | 1.43 | 0.91 | 0.74 | | 0.64 | |
| 30 | 1.09 | 1.27 | 0.92 | 1.65 | 6.54 | 6.26 | 4.91 | 1.37 | 0.87 | 0.77 | | 0.66 | |
| 31 | | 1.15 | | 1.66 | 7.75 | | 4.77 | | 0.85 | 0.77 | | 0.67 | |
| Mean | 0.65 | 1.24 | 0.84 | 1.24 | 3.81 | 5.73 | 8.43 | 2.60 | 0.98 | 0.74 | 0.72 | 0.69 | |
| Max | 1.09 | 1.75 | 1.06 | 1.66 | 7.75 | 8.10 | 11.93 | 4.63 | 1.31 | 0.82 | 0.81 | 0.82 | 11.93 |
| Min | 0.49 | 0.85 | 0.65 | 0.91 | 1.41 | 3.93 | 4.77 | 1.37 | 0.84 | 0.67 | 0.65 | 0.61 | 0.49 |

Annual Max Momentary Gage Height 11.93 m. (A.D.) , at 18.00 Hours, on Oct 6, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.20 m. (A.D.)

Left Bank Elevation 11.01 m. (A.D.) ,

Right Bank Elevation 9.28 m. (A.D.) , Drainage Are 3,131 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.45 | 4.20 | 3.60 | 2.40 | 11.88 | 188.00 | 114.28 | 67.50 | 6.13 | 1.20 | 0.95 | 0.63 | | |
| 2 | 0.53 | 4.50 | 3.00 | 2.90 | 14.25 | 186.00 | 162.25 | 63.00 | 5.60 | 1.00 | 0.95 | 0.63 | | |
| 3 | 0.48 | 5.10 | 2.70 | 2.90 | 20.70 | 174.85 | 280.90 | 59.73 | 5.20 | 1.00 | 0.88 | 0.58 | | |
| 4 | 0.50 | 5.20 | 2.40 | 2.70 | 19.65 | 160.45 | 330.60 | 56.58 | 5.10 | 0.95 | 0.85 | 0.58 | | |
| 5 | 0.58 | 4.90 | 1.90 | 2.60 | 14.85 | 127.80 | 426.00 | 52.98 | 4.80 | 0.88 | 0.83 | 0.55 | | |
| 6 | 0.50 | 4.70 | 1.50 | 2.30 | 11.38 | 86.08 | 478.00 | 49.15 | 4.20 | 0.83 | 0.78 | 0.58 | | |
| 7 | 0.55 | 4.40 | 1.10 | 2.10 | 9.88 | 70.50 | 483.00 | 46.00 | 3.70 | 0.88 | 0.78 | 0.60 | | |
| 8 | 0.48 | 4.50 | 0.98 | 2.50 | 8.88 | 63.50 | 475.00 | 42.00 | 3.50 | 0.85 | 0.75 | 0.58 | | |
| 9 | 0.43 | 4.80 | 0.93 | 3.40 | 7.75 | 59.95 | 461.00 | 39.20 | 3.20 | 0.80 | 0.75 | 0.53 | | |
| 10 | 0.43 | 4.40 | 0.90 | 3.20 | 7.38 | 61.08 | 443.00 | 35.40 | 2.90 | 0.78 | 0.75 | 0.63 | | |
| 11 | 0.43 | 4.10 | 0.88 | 2.90 | 7.50 | 60.18 | 426.00 | 32.00 | 2.50 | 0.75 | 0.73 | 0.80 | | |
| 12 | 0.38 | 3.90 | 0.80 | 4.60 | 8.25 | 59.28 | 408.00 | 28.20 | 2.00 | 0.78 | 0.68 | 0.85 | | |
| 13 | 0.35 | 3.70 | 0.78 | 7.50 | 14.55 | 52.75 | 385.60 | 25.20 | 2.20 | 0.95 | 0.65 | 0.95 | | |
| 14 | 0.30 | 2.70 | 0.73 | 8.88 | 36.80 | 51.18 | 359.50 | 22.23 | 2.10 | 1.10 | 0.63 | 1.10 | | |
| 15 | 0.25 | 1.90 | 0.68 | 8.00 | 77.00 | 62.00 | 328.20 | 19.50 | 2.00 | 1.00 | 0.63 | 1.20 | | |
| 16 | 0.25 | 2.10 | 0.68 | 6.63 | 97.60 | 74.53 | 274.60 | 17.40 | 2.00 | 0.93 | 0.63 | 1.20 | | |
| 17 | 0.23 | 1.70 | 0.63 | 6.00 | 112.00 | 83.60 | 221.65 | 15.75 | 1.60 | 0.88 | 0.70 | 1.20 | | |
| 18 | 0.25 | 1.50 | 0.78 | 5.50 | 114.28 | 86.63 | 212.30 | 13.50 | 1.50 | 0.88 | 0.78 | 0.98 | | |
| 19 | 0.28 | 2.00 | 1.20 | 5.30 | 92.50 | 106.30 | 152.40 | 11.75 | 1.40 | 0.83 | 0.80 | 0.83 | | |
| 20 | 0.25 | 4.20 | 1.10 | 5.00 | 77.28 | 126.05 | 137.60 | 10.75 | 1.60 | 0.78 | 0.93 | 0.75 | | |
| 21 | 0.28 | 7.00 | 1.30 | 3.90 | 40.40 | 121.75 | 127.45 | 10.00 | 2.00 | 0.75 | 1.10 | 0.75 | | |
| 22 | 0.35 | 9.75 | 1.70 | 3.10 | 57.25 | 118.50 | 118.18 | 11.25 | 2.40 | 0.75 | 1.00 | 0.70 | | |
| 23 | 0.50 | 10.25 | 2.20 | 4.40 | 61.30 | 116.55 | 111.10 | 11.75 | 2.20 | 0.73 | 1.00 | 0.68 | | |
| 24 | 0.63 | 9.88 | 1.90 | 7.25 | 66.25 | 106.00 | 104.20 | 11.00 | 2.40 | 0.70 | 0.88 | 0.68 | | |
| 25 | 2.00 | 10.25 | 1.50 | 8.50 | 74.80 | 95.80 | 97.90 | 10.75 | 2.50 | 0.68 | 0.75 | 0.63 | | |
| 26 | 3.30 | 11.63 | 1.60 | 9.50 | 83.05 | 100.60 | 93.10 | 10.25 | 2.60 | 0.68 | 0.63 | 0.63 | | |
| 27 | 3.20 | 11.63 | 2.50 | 10.13 | 94.60 | 106.30 | 88.00 | 9.13 | 2.60 | 0.68 | 0.70 | 0.58 | | |
| 28 | 3.60 | 9.63 | 3.20 | 9.25 | 91.60 | 111.10 | 83.88 | 8.25 | 2.30 | 0.73 | 0.83 | 0.55 | | |
| 29 | 3.60 | 8.13 | 2.70 | 9.50 | 108.40 | 111.40 | 78.93 | 7.63 | 2.10 | 0.85 | | 0.60 | | |
| 30 | 3.90 | 5.70 | 2.20 | 10.38 | 123.05 | 113.95 | 74.53 | 6.88 | 1.70 | 0.93 | | 0.65 | | |
| 31 | | 4.50 | | 10.50 | 171.25 | | 71.00 | | 1.50 | 0.93 | | 0.68 | | |
| Total | 29.26 | 172.85 | 48.07 | 173.72 | 1736.31 | 3042.66 | 7608.15 | 804.71 | 87.53 | 26.46 | 22.32 | 22.88 | 13774.92 | CMSDAY |
| Mean | 0.98 | 5.58 | 1.60 | 5.60 | 56.01 | 101.42 | 245.42 | 26.82 | 2.82 | 0.85 | 0.80 | 0.74 | 37.74 | CMS |
| Max | 3.90 | 11.63 | 3.60 | 10.50 | 171.25 | 188.00 | 483.00 | 67.50 | 6.13 | 1.20 | 1.10 | 1.20 | 483.00 | CMS |
| Min | 0.23 | 1.50 | 0.63 | 2.10 | 7.38 | 51.18 | 71.00 | 6.88 | 1.40 | 0.68 | 0.63 | 0.53 | 0.23 | CMS |
| Runoff | 2.53 | 14.93 | 4.15 | 15.01 | 150.02 | 262.89 | 657.34 | 69.53 | 7.56 | 2.29 | 1.93 | 1.98 | 1190.15 | MCM |

Momentary Peak 483.00 CMS, at 11.93 m. (A.D.), at 18.00 Hours, on Oct 6, 2006

Runoff Yield 12.05 Liters/Second/Square KM. Momentary Peak Yield 154.26 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Ta Khong at Ban Lat Bua Khaow, Nakhon Ratchasima (M.177)

Lat 14 - 50 - 57 N Long 101 - 37 - 12 E

**Location : on right bank at the bridge.**

**Ban** Lat Bua Khaow **Amphoe** Si Khiu **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 1,519 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the footpath of the bridge. **Elevation** +7.413 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.0 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2002 to date |
| **Rating Operation** | |
| **Period of Rating** | 2002 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2002 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 42 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

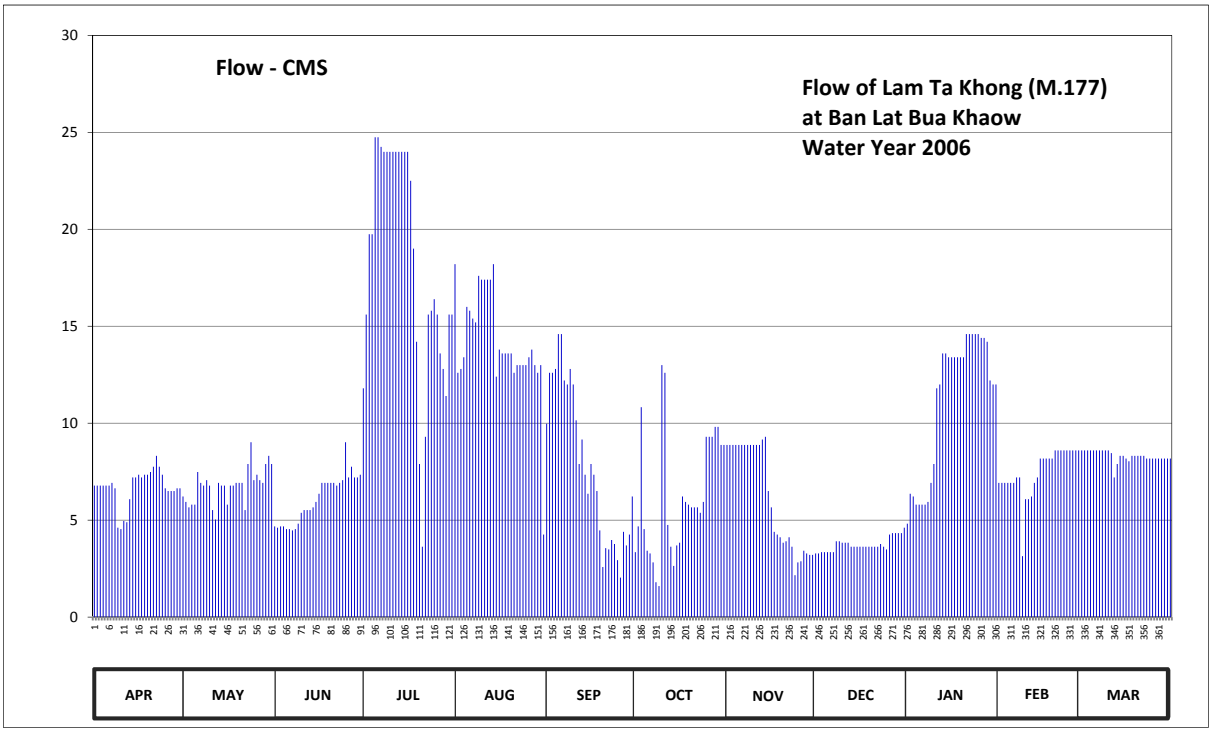
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.42 | 2.38 | 2.24 | 2.74 | 3.06 | 2.64 | 2.05 | 2.57 | 2.04 | 2.26 | 2.43 | 2.55 | |
| 2 | 2.42 | 2.36 | 2.23 | 2.93 | 2.78 | 2.78 | 2.24 | 2.57 | 2.04 | 2.39 | 2.43 | 2.55 | |
| 3 | 2.42 | 2.34 | 2.24 | 3.13 | 2.79 | 2.78 | 2.69 | 2.57 | 2.05 | 2.38 | 2.43 | 2.55 | |
| 4 | 2.42 | 2.35 | 2.24 | 3.13 | 2.82 | 2.79 | 2.22 | 2.57 | 2.05 | 2.35 | 2.43 | 2.55 | |
| 5 | 2.42 | 2.35 | 2.22 | 3.33 | 2.95 | 2.88 | 2.06 | 2.57 | 2.05 | 2.35 | 2.43 | 2.55 | |
| 6 | 2.42 | 2.47 | 2.22 | 3.33 | 2.94 | 2.88 | 2.04 | 2.57 | 2.05 | 2.35 | 2.43 | 2.55 | |
| 7 | 2.43 | 2.43 | 2.21 | 3.31 | 2.92 | 2.76 | 1.97 | 2.57 | 2.05 | 2.35 | 2.45 | 2.55 | |
| 8 | 2.41 | 2.42 | 2.22 | 3.30 | 2.91 | 2.75 | 1.80 | 2.57 | 2.13 | 2.36 | 2.45 | 2.55 | |
| 9 | 2.23 | 2.44 | 2.26 | 3.30 | 3.03 | 2.79 | 1.75 | 2.57 | 2.13 | 2.43 | 2.02 | 2.55 | |
| 10 | 2.22 | 2.42 | 2.32 | 3.30 | 3.02 | 2.75 | 2.80 | 2.57 | 2.12 | 2.50 | 2.37 | 2.55 | |
| 11 | 2.28 | 2.33 | 2.33 | 3.30 | 3.02 | 2.65 | 2.78 | 2.57 | 2.12 | 2.74 | 2.37 | 2.54 | |
| 12 | 2.27 | 2.29 | 2.33 | 3.30 | 3.02 | 2.50 | 2.25 | 2.57 | 2.12 | 2.75 | 2.38 | 2.45 | |
| 13 | 2.37 | 2.43 | 2.33 | 3.30 | 3.02 | 2.59 | 2.09 | 2.59 | 2.09 | 2.83 | 2.43 | 2.50 | |
| 14 | 2.45 | 2.42 | 2.34 | 3.30 | 3.06 | 2.46 | 1.94 | 2.60 | 2.09 | 2.83 | 2.45 | 2.53 | |
| 15 | 2.45 | 2.42 | 2.36 | 3.30 | 2.77 | 2.39 | 2.10 | 2.40 | 2.09 | 2.82 | 2.52 | 2.53 | |
| 16 | 2.46 | 2.35 | 2.39 | 3.30 | 2.84 | 2.50 | 2.12 | 2.34 | 2.09 | 2.82 | 2.52 | 2.52 | |
| 17 | 2.45 | 2.42 | 2.43 | 3.24 | 2.83 | 2.46 | 2.38 | 2.20 | 2.09 | 2.82 | 2.52 | 2.51 | |
| 18 | 2.46 | 2.42 | 2.43 | 3.10 | 2.83 | 2.40 | 2.36 | 2.18 | 2.09 | 2.82 | 2.52 | 2.53 | |
| 19 | 2.46 | 2.43 | 2.43 | 2.86 | 2.83 | 2.21 | 2.35 | 2.16 | 2.09 | 2.82 | 2.52 | 2.53 | |
| 20 | 2.47 | 2.43 | 2.43 | 2.50 | 2.83 | 1.93 | 2.34 | 2.12 | 2.09 | 2.82 | 2.55 | 2.53 | |
| 21 | 2.49 | 2.43 | 2.43 | 2.09 | 2.78 | 2.08 | 2.34 | 2.13 | 2.09 | 2.88 | 2.55 | 2.53 | |
| 22 | 2.53 | 2.33 | 2.42 | 2.60 | 2.80 | 2.07 | 2.34 | 2.16 | 2.09 | 2.88 | 2.55 | 2.53 | |
| 23 | 2.49 | 2.50 | 2.43 | 2.93 | 2.80 | 2.14 | 2.32 | 2.09 | 2.11 | 2.88 | 2.55 | 2.52 | |
| 24 | 2.46 | 2.58 | 2.44 | 2.94 | 2.80 | 2.11 | 2.36 | 1.86 | 2.09 | 2.88 | 2.55 | 2.52 | |
| 25 | 2.41 | 2.44 | 2.58 | 2.97 | 2.80 | 1.99 | 2.60 | 1.97 | 2.07 | 2.88 | 2.55 | 2.52 | |
| 26 | 2.40 | 2.46 | 2.45 | 2.93 | 2.82 | 1.84 | 2.60 | 1.98 | 2.18 | 2.87 | 2.55 | 2.52 | |
| 27 | 2.40 | 2.44 | 2.49 | 2.83 | 2.84 | 2.20 | 2.60 | 2.06 | 2.19 | 2.87 | 2.55 | 2.52 | |
| 28 | 2.40 | 2.43 | 2.45 | 2.79 | 2.80 | 2.10 | 2.63 | 2.04 | 2.19 | 2.86 | 2.55 | 2.52 | |
| 29 | 2.41 | 2.50 | 2.45 | 2.72 | 2.78 | 2.18 | 2.63 | 2.03 | 2.19 | 2.76 | | 2.52 | |
| 30 | 2.41 | 2.53 | 2.46 | 2.93 | 2.80 | 2.38 | 2.57 | 2.03 | 2.19 | 2.75 | | 2.52 | |
| 31 | | 2.50 | | 2.93 | 2.18 | | 2.57 | | 2.23 | 2.75 | | 2.52 | |
| Mean | 2.41 | 2.42 | 2.36 | 3.03 | 2.85 | 2.43 | 2.32 | 2.33 | 2.11 | 2.68 | 2.47 | 2.53 | |
| Max | 2.53 | 2.58 | 2.58 | 3.33 | 3.06 | 2.88 | 2.80 | 2.60 | 2.23 | 2.88 | 2.55 | 2.55 | 3.33 |
| Min | 2.22 | 2.29 | 2.21 | 2.09 | 2.18 | 1.84 | 1.75 | 1.86 | 2.04 | 2.26 | 2.02 | 2.45 | 1.75 |

Annual Max Momentary Gage Height 3.33 m. (A.D.) , at 06.00 Hours, on Jul 5, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -1.01 m. (A.D.) ,

Left Bank Elevation 7.11 m. (A.D.) ,

Right Bank Elevation 6.63 m. (A.D.) , Drainage Are 1,519 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.78 | 6.22 | 4.68 | 11.80 | 18.20 | 9.98 | 3.35 | 8.88 | 3.28 | 4.82 | 6.92 | 8.60 | | |
| 2 | 6.78 | 5.94 | 4.61 | 15.60 | 12.60 | 12.60 | 4.68 | 8.88 | 3.28 | 6.36 | 6.92 | 8.60 | | |
| 3 | 6.78 | 5.66 | 4.68 | 19.75 | 12.80 | 12.60 | 10.83 | 8.88 | 3.35 | 6.22 | 6.92 | 8.60 | | |
| 4 | 6.78 | 5.80 | 4.68 | 19.75 | 13.40 | 12.80 | 4.54 | 8.88 | 3.35 | 5.80 | 6.92 | 8.60 | | |
| 5 | 6.78 | 5.80 | 4.54 | 24.75 | 16.00 | 14.60 | 3.42 | 8.88 | 3.35 | 5.80 | 6.92 | 8.60 | | |
| 6 | 6.78 | 7.48 | 4.54 | 24.75 | 15.80 | 14.60 | 3.28 | 8.88 | 3.35 | 5.80 | 6.92 | 8.60 | | |
| 7 | 6.92 | 6.92 | 4.47 | 24.25 | 15.40 | 12.20 | 2.82 | 8.88 | 3.35 | 5.80 | 7.20 | 8.60 | | |
| 8 | 6.64 | 6.78 | 4.54 | 24.00 | 15.20 | 12.00 | 1.80 | 8.88 | 3.91 | 5.94 | 7.20 | 8.60 | | |
| 9 | 4.61 | 7.06 | 4.82 | 24.00 | 17.60 | 12.80 | 1.60 | 8.88 | 3.91 | 6.92 | 3.14 | 8.60 | | |
| 10 | 4.54 | 6.78 | 5.38 | 24.00 | 17.40 | 12.00 | 13.00 | 8.88 | 3.84 | 7.90 | 6.08 | 8.60 | | |
| 11 | 4.96 | 5.52 | 5.52 | 24.00 | 17.40 | 10.15 | 12.60 | 8.88 | 3.84 | 11.80 | 6.08 | 8.46 | | |
| 12 | 4.89 | 5.03 | 5.52 | 24.00 | 17.40 | 7.90 | 4.75 | 8.88 | 3.84 | 12.00 | 6.22 | 7.20 | | |
| 13 | 6.08 | 6.92 | 5.52 | 24.00 | 17.40 | 9.16 | 3.63 | 9.16 | 3.63 | 13.60 | 6.92 | 7.90 | | |
| 14 | 7.20 | 6.78 | 5.66 | 24.00 | 18.20 | 7.34 | 2.64 | 9.30 | 3.63 | 13.60 | 7.20 | 8.32 | | |
| 15 | 7.20 | 6.78 | 5.94 | 24.00 | 12.40 | 6.36 | 3.70 | 6.50 | 3.63 | 13.40 | 8.18 | 8.32 | | |
| 16 | 7.34 | 5.80 | 6.36 | 24.00 | 13.80 | 7.90 | 3.84 | 5.66 | 3.63 | 13.40 | 8.18 | 8.18 | | |
| 17 | 7.20 | 6.78 | 6.92 | 22.50 | 13.60 | 7.34 | 6.22 | 4.40 | 3.63 | 13.40 | 8.18 | 8.04 | | |
| 18 | 7.34 | 6.78 | 6.92 | 19.00 | 13.60 | 6.50 | 5.94 | 4.26 | 3.63 | 13.40 | 8.18 | 8.32 | | |
| 19 | 7.34 | 6.92 | 6.92 | 14.20 | 13.60 | 4.47 | 5.80 | 4.12 | 3.63 | 13.40 | 8.18 | 8.32 | | |
| 20 | 7.48 | 6.92 | 6.92 | 7.90 | 13.60 | 2.58 | 5.66 | 3.84 | 3.63 | 13.40 | 8.60 | 8.32 | | |
| 21 | 7.76 | 6.92 | 6.92 | 3.63 | 12.60 | 3.56 | 5.66 | 3.91 | 3.63 | 14.60 | 8.60 | 8.32 | | |
| 22 | 8.32 | 5.52 | 6.78 | 9.30 | 13.00 | 3.49 | 5.66 | 4.12 | 3.63 | 14.60 | 8.60 | 8.32 | | |
| 23 | 7.76 | 7.90 | 6.92 | 15.60 | 13.00 | 3.98 | 5.38 | 3.63 | 3.77 | 14.60 | 8.60 | 8.18 | | |
| 24 | 7.34 | 9.02 | 7.06 | 15.80 | 13.00 | 3.77 | 5.94 | 2.16 | 3.63 | 14.60 | 8.60 | 8.18 | | |
| 25 | 6.64 | 7.06 | 9.02 | 16.40 | 13.00 | 2.94 | 9.30 | 2.82 | 3.49 | 14.60 | 8.60 | 8.18 | | |
| 26 | 6.50 | 7.34 | 7.20 | 15.60 | 13.40 | 2.04 | 9.30 | 2.88 | 4.26 | 14.40 | 8.60 | 8.18 | | |
| 27 | 6.50 | 7.06 | 7.76 | 13.60 | 13.80 | 4.40 | 9.30 | 3.42 | 4.33 | 14.40 | 8.60 | 8.18 | | |
| 28 | 6.50 | 6.92 | 7.20 | 12.80 | 13.00 | 3.70 | 9.81 | 3.28 | 4.33 | 14.20 | 8.60 | 8.18 | | |
| 29 | 6.64 | 7.90 | 7.20 | 11.40 | 12.60 | 4.26 | 9.81 | 3.21 | 4.33 | 12.20 | | 8.18 | | |
| 30 | 6.64 | 8.32 | 7.34 | 15.60 | 13.00 | 6.22 | 8.88 | 3.21 | 4.33 | 12.00 | | 8.18 | | |
| 31 | | 7.90 | | 15.60 | 4.26 | | 8.88 | | 4.61 | 12.00 | | 8.18 | | |
| Total | 201.02 | 210.53 | 182.54 | 565.58 | 440.06 | 234.24 | 192.02 | 186.44 | 116.03 | 344.96 | 209.86 | 257.64 | 3140.92 | CMSDAY |
| Mean | 6.70 | 6.79 | 6.08 | 18.24 | 14.20 | 7.81 | 6.19 | 6.21 | 3.74 | 11.13 | 7.49 | 8.31 | 8.61 | CMS |
| Max | 8.32 | 9.02 | 9.02 | 24.75 | 18.20 | 14.60 | 13.00 | 9.30 | 4.61 | 14.60 | 8.60 | 8.60 | 24.75 | CMS |
| Min | 4.54 | 5.03 | 4.47 | 3.63 | 4.26 | 2.04 | 1.60 | 2.16 | 3.28 | 4.82 | 3.14 | 7.20 | 1.60 | CMS |
| Runoff | 17.37 | 18.19 | 15.77 | 48.87 | 38.02 | 20.24 | 16.59 | 16.11 | 10.02 | 29.80 | 18.13 | 22.26 | 271.38 | MCM |

Momentary Peak 24.75 CMS, at 3.33 m. (A.D.), at 06.00 Hours, on Jul 5, 2006

Runoff Yield 5.67 Liters/Second/Square KM. Momentary Peak Yield 16.29 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Khulu at Ban Nong Tao, Ubon Ratchathani (M.178)

Lat 15 - 42 - 48 N Long 105 - 01 - 58 E

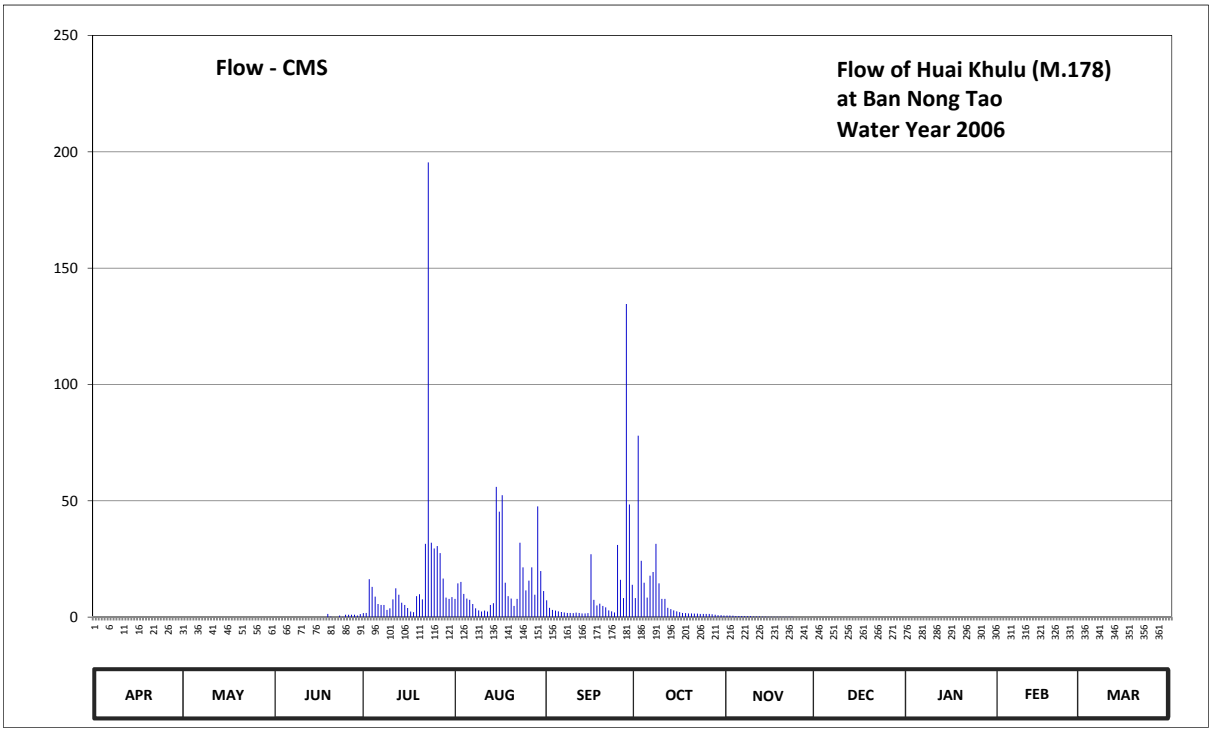
**Location : on right bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Nong Tao | **Amphoe** Trakan Phutphon | **Changwat** Ubon Ratchathani |
| **Drainge Area** | 128 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the footpath of the bridge. | **Elevation** | +11.072 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Rather unstable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 18 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.12 | 0.14 | 0.38 | 0.57 | 0.99 | 0.96 | 1.01 | 0.47 | 0.37 | 0.25 | 0.21 | 0.25 | |
| 2 | 0.10 | 0.14 | 0.33 | 0.58 | 1.25 | 0.80 | 2.24 | 0.47 | 0.36 | 0.25 | 0.20 | 0.25 | |
| 3 | 0.09 | 0.16 | 0.30 | 1.31 | 1.27 | 0.71 | 1.53 | 0.46 | 0.35 | 0.25 | 0.20 | 0.26 | |
| 4 | 0.08 | 0.16 | 0.38 | 1.20 | 1.10 | 0.68 | 1.26 | 0.45 | 0.34 | 0.26 | 0.20 | 0.26 | |
| 5 | 0.08 | 0.16 | 0.36 | 1.04 | 1.00 | 0.65 | 1.02 | 0.45 | 0.34 | 0.26 | 0.20 | 0.27 | |
| 6 | 0.08 | 0.14 | 0.34 | 0.88 | 0.97 | 0.62 | 1.36 | 0.45 | 0.33 | 0.26 | 0.20 | 0.27 | |
| 7 | 0.08 | 0.14 | 0.36 | 0.86 | 0.88 | 0.60 | 1.41 | 0.44 | 0.32 | 0.26 | 0.20 | 0.29 | |
| 8 | 0.08 | 0.14 | 0.35 | 0.86 | 0.78 | 0.58 | 1.69 | 0.44 | 0.32 | 0.26 | 0.20 | 0.30 | |
| 9 | 0.08 | 0.14 | 0.31 | 0.71 | 0.69 | 0.58 | 1.25 | 0.44 | 0.31 | 0.26 | 0.20 | 0.30 | |
| 10 | 0.07 | 0.12 | 0.30 | 0.78 | 0.64 | 0.57 | 0.99 | 0.43 | 0.31 | 0.26 | 0.20 | 0.30 | |
| 11 | 0.07 | 0.14 | 0.28 | 0.98 | 0.68 | 0.59 | 0.99 | 0.43 | 0.30 | 0.25 | 0.20 | 0.27 | |
| 12 | 0.07 | 0.14 | 0.27 | 1.18 | 0.64 | 0.58 | 0.80 | 0.43 | 0.30 | 0.25 | 0.20 | 0.26 | |
| 13 | 0.06 | 0.14 | 0.30 | 1.08 | 0.86 | 0.56 | 0.74 | 0.42 | 0.30 | 0.25 | 0.20 | 0.26 | |
| 14 | 0.06 | 0.12 | 0.29 | 0.91 | 0.90 | 0.56 | 0.69 | 0.42 | 0.29 | 0.25 | 0.20 | 0.25 | |
| 15 | 0.06 | 0.12 | 0.28 | 0.86 | 2.02 | 0.57 | 0.65 | 0.41 | 0.28 | 0.25 | 0.20 | 0.24 | |
| 16 | 0.06 | 0.12 | 0.27 | 0.79 | 1.89 | 1.60 | 0.61 | 0.41 | 0.29 | 0.25 | 0.20 | 0.22 | |
| 17 | 0.06 | 0.10 | 0.26 | 0.64 | 1.98 | 0.97 | 0.58 | 0.41 | 0.30 | 0.25 | 0.20 | 0.21 | |
| 18 | 0.06 | 0.10 | 0.29 | 0.61 | 1.26 | 0.85 | 0.57 | 0.41 | 0.29 | 0.25 | 0.20 | 0.21 | |
| 19 | 0.06 | 0.13 | 0.54 | 1.05 | 1.05 | 0.89 | 0.56 | 0.41 | 0.29 | 0.25 | 0.20 | 0.20 | |
| 20 | 0.06 | 0.14 | 0.42 | 1.09 | 1.00 | 0.84 | 0.56 | 0.41 | 0.28 | 0.25 | 0.20 | 0.20 | |
| 21 | 0.04 | 0.17 | 0.38 | 0.98 | 0.84 | 0.81 | 0.55 | 0.41 | 0.28 | 0.25 | 0.20 | 0.20 | |
| 22 | 0.04 | 0.23 | 0.38 | 1.69 | 0.99 | 0.69 | 0.55 | 0.41 | 0.28 | 0.24 | 0.20 | 0.20 | |
| 23 | 0.03 | 0.21 | 0.47 | 3.16 | 1.70 | 0.65 | 0.54 | 0.41 | 0.27 | 0.24 | 0.20 | 0.20 | |
| 24 | 0.09 | 0.20 | 0.41 | 1.70 | 1.46 | 0.60 | 0.54 | 0.40 | 0.27 | 0.24 | 0.20 | 0.20 | |
| 25 | 0.18 | 0.20 | 0.50 | 1.65 | 1.15 | 1.68 | 0.54 | 0.39 | 0.27 | 0.24 | 0.20 | 0.20 | |
| 26 | 0.16 | 0.20 | 0.50 | 1.67 | 1.29 | 1.30 | 0.54 | 0.39 | 0.26 | 0.24 | 0.22 | 0.20 | |
| 27 | 0.14 | 0.20 | 0.50 | 1.61 | 1.46 | 1.01 | 0.52 | 0.38 | 0.25 | 0.23 | 0.24 | 0.20 | |
| 28 | 0.16 | 0.24 | 0.50 | 1.32 | 1.08 | 2.72 | 0.50 | 0.38 | 0.25 | 0.22 | 0.26 | 0.24 | |
| 29 | 0.16 | 0.22 | 0.47 | 1.02 | 1.92 | 1.93 | 0.48 | 0.37 | 0.25 | 0.22 | | 0.24 | |
| 30 | 0.15 | 0.21 | 0.53 | 0.99 | 1.42 | 1.23 | 0.48 | 0.37 | 0.25 | 0.22 | | 0.23 | |
| 31 | | 0.21 | | 1.03 | 1.14 | | 0.47 | | 0.25 | 0.21 | | 0.23 | |
| Mean | 0.09 | 0.16 | 0.37 | 1.12 | 1.17 | 0.91 | 0.85 | 0.42 | 0.30 | 0.25 | 0.20 | 0.24 | |
| Max | 0.18 | 0.24 | 0.54 | 3.16 | 2.02 | 2.72 | 2.24 | 0.47 | 0.37 | 0.26 | 0.26 | 0.30 | 3.16 |
| Min | 0.03 | 0.10 | 0.26 | 0.57 | 0.64 | 0.56 | 0.47 | 0.37 | 0.25 | 0.21 | 0.20 | 0.20 | 0.03 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 3.80 | m. (A.D.) , | at 14.00 Hours, on Jul 23, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | -0.22 | m. (A.D.) , |
| Left Bank Elevation | 7.66 | m. (A.D.) , | | | |
| Right Bank Elevation | 8.00 | m. (A.D.) , | Drainage Are | 128 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 1.70 | 7.80 | 7.20 | 8.20 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 1.80 | 14.50 | 4.00 | 78.00 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 16.30 | 15.10 | 3.10 | 24.20 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 13.00 | 10.00 | 2.80 | 14.80 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 8.80 | 8.00 | 2.50 | 8.40 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 5.60 | 7.40 | 2.20 | 17.80 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 5.20 | 5.60 | 2.00 | 19.40 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 5.20 | 3.80 | 1.80 | 31.50 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 3.10 | 2.90 | 1.80 | 14.50 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 3.80 | 2.40 | 1.70 | 7.80 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 7.60 | 2.80 | 1.90 | 7.80 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 12.40 | 2.40 | 1.80 | 4.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 9.60 | 5.20 | 1.60 | 3.40 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 6.20 | 6.00 | 1.60 | 2.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 5.20 | 56.00 | 1.70 | 2.50 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 3.90 | 45.30 | 27.00 | 2.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 2.40 | 52.40 | 7.40 | 1.80 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 2.10 | 14.80 | 5.00 | 1.70 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 1.40 | 9.00 | 9.00 | 5.80 | 1.60 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.20 | 9.80 | 8.00 | 4.80 | 1.60 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 7.60 | 4.80 | 4.20 | 1.50 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 31.50 | 7.80 | 2.90 | 1.50 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.70 | 195.40 | 32.00 | 2.50 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.10 | 32.00 | 21.40 | 2.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 1.00 | 29.50 | 11.50 | 31.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 1.00 | 30.50 | 15.70 | 16.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 1.00 | 27.50 | 21.40 | 8.20 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 1.00 | 16.60 | 9.60 | 134.60 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.70 | 8.40 | 47.60 | 48.40 | 0.80 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 1.30 | 7.80 | 19.80 | 13.90 | 0.80 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 8.60 | 11.20 | | 0.70 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 8.40 | 528.10 | 482.20 | 351.40 | 267.10 | 6.90 | 0.00 | 0.00 | 0.00 | 0.00 | 1644.10 | CMSDAY |
| Mean | 0.00 | 0.00 | 0.28 | 17.04 | 15.55 | 11.71 | 8.62 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 4.50 | CMS |
| Max | 0.00 | 0.00 | 1.40 | 195.40 | 56.00 | 134.60 | 78.00 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 195.40 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 1.70 | 2.40 | 1.60 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 0.73 | 45.63 | 41.66 | 30.36 | 23.08 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 142.05 | MCM |

Momentary Peak 291.00 CMS, at 3.80 m. (A.D.), at 14.00 Hours, on Jul 23, 2006

Runoff Yield 35.19 Liters/Second/Square KM. Momentary Peak Yield 2273.44 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Sa Bai at Ban Tha Wari, Ubon Ratchathani (M.179)

Lat 15 - 19 - 34 N Long 104 - 41 - 08 E

**Location : on right bank at the bridge.**

| | |
|---|---|
| | **Ban** Tha Wari **Amphoe** Khueang Nai **Changwat** Ubon Ratchathani |
| **Drainge Area** | 3,881 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the footpath of the bridge. **Elevation** +13.760 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2003 to date |
| **Rating Operation** | |
| **Period of Rating** | 2003 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2003 to date |
| **Stability of Channel Regimes** | Stable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +7.900 m.(A.D.), records are channel flow only. |
| **General Description** | Records very good. Stage-discharge relation defined by 37 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

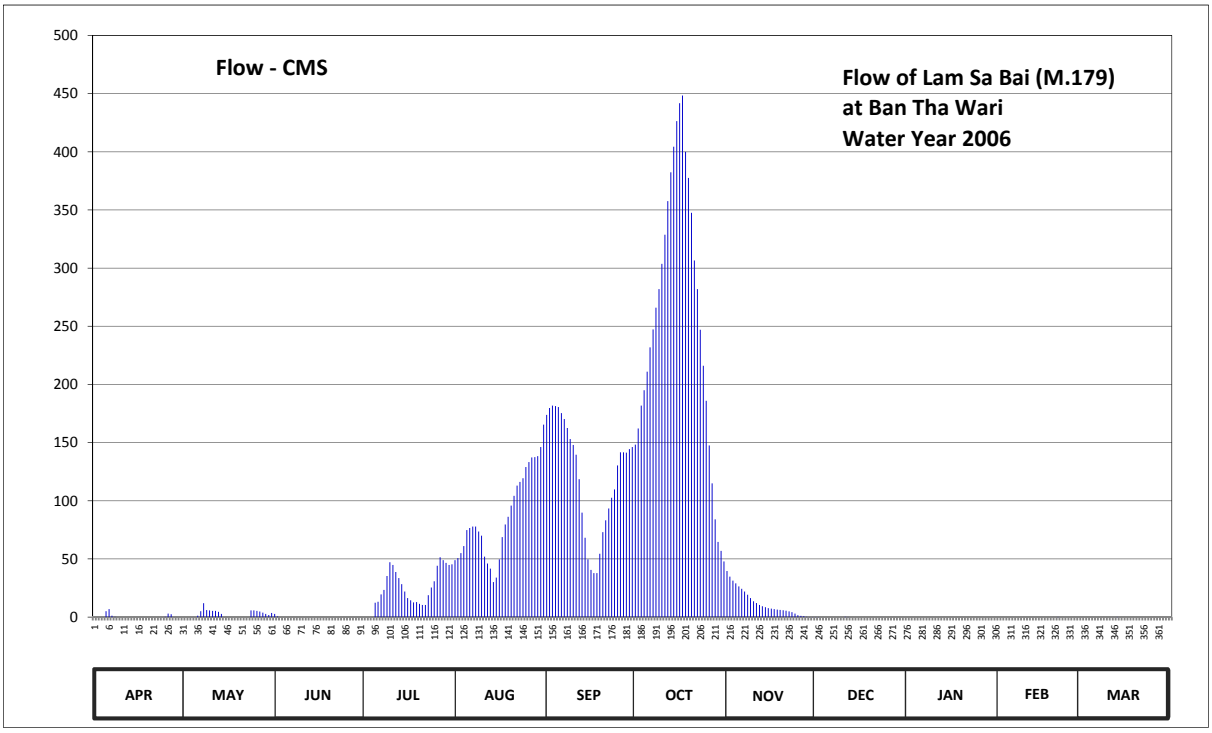
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.77 | 1.89 | 2.09 | 1.85 | 3.40 | 5.77 | 5.11 | 6.99 | 2.05 | 1.70 | 1.73 | 1.84 | |
| 2 | 1.74 | 1.93 | 2.02 | 1.86 | 3.43 | 5.92 | 5.48 | 6.87 | 2.04 | 1.70 | 1.75 | 1.84 | |
| 3 | 1.74 | 1.98 | 1.86 | 1.90 | 3.50 | 5.97 | 5.97 | 6.77 | 1.98 | 1.70 | 1.76 | 1.84 | |
| 4 | 1.73 | 1.96 | 1.81 | 1.94 | 3.60 | 5.96 | 6.28 | 6.65 | 1.98 | 1.70 | 1.76 | 1.84 | |
| 5 | 2.17 | 1.98 | 1.79 | 2.41 | 3.83 | 5.94 | 6.57 | 6.52 | 1.97 | 1.70 | 1.75 | 1.84 | |
| 6 | 2.23 | 2.04 | 1.77 | 2.44 | 3.86 | 5.81 | 6.87 | 6.42 | 1.97 | 1.70 | 1.75 | 1.83 | |
| 7 | 2.04 | 2.17 | 1.77 | 2.63 | 3.88 | 5.68 | 7.09 | 6.30 | 1.95 | 1.70 | 1.75 | 1.83 | |
| 8 | 2.01 | 2.40 | 1.86 | 2.74 | 3.88 | 5.49 | 7.28 | 6.16 | 1.95 | 1.70 | 1.75 | 1.81 | |
| 9 | 1.93 | 2.20 | 1.91 | 3.08 | 3.81 | 5.25 | 7.44 | 6.02 | 1.95 | 1.70 | 1.75 | 1.81 | |
| 10 | 1.84 | 2.19 | 1.92 | 3.37 | 3.75 | 5.10 | 7.62 | 5.86 | 1.97 | 1.70 | 1.75 | 1.79 | |
| 11 | 1.80 | 2.18 | 1.95 | 3.33 | 3.45 | 4.82 | 7.81 | 5.71 | 2.09 | 1.70 | 1.75 | 1.78 | |
| 12 | 1.79 | 2.18 | 1.95 | 3.18 | 3.35 | 4.47 | 7.98 | 5.55 | 2.04 | 1.70 | 1.75 | 1.80 | |
| 13 | 1.77 | 2.15 | 1.92 | 3.03 | 3.26 | 4.08 | 8.12 | 5.36 | 1.93 | 1.70 | 1.75 | 2.04 | |
| 14 | 1.75 | 2.09 | 1.88 | 2.88 | 2.93 | 3.72 | 8.22 | 5.20 | 1.84 | 1.71 | 1.75 | 1.99 | |
| 15 | 1.75 | 1.99 | 1.93 | 2.70 | 3.04 | 3.41 | 8.32 | 5.04 | 1.79 | 1.71 | 1.75 | 1.97 | |
| 16 | 1.75 | 1.97 | 1.93 | 2.54 | 3.41 | 3.23 | 8.39 | 4.89 | 1.76 | 1.70 | 1.75 | 1.94 | |
| 17 | 1.75 | 1.94 | 1.92 | 2.48 | 3.73 | 3.15 | 8.42 | 4.74 | 1.76 | 1.70 | 1.75 | 1.90 | |
| 18 | 1.75 | 1.94 | 1.92 | 2.42 | 3.91 | 3.15 | 8.42 | 4.60 | 1.75 | 1.70 | 1.75 | 1.89 | |
| 19 | 1.75 | 1.93 | 1.95 | 2.43 | 4.02 | 3.49 | 8.39 | 4.45 | 1.75 | 1.70 | 1.77 | 1.89 | |
| 20 | 1.75 | 1.95 | 1.94 | 2.38 | 4.18 | 3.80 | 8.35 | 4.34 | 1.75 | 1.70 | 1.84 | 1.88 | |
| 21 | 1.75 | 1.94 | 1.93 | 2.35 | 4.29 | 3.97 | 8.29 | 4.18 | 1.80 | 1.70 | 2.07 | 1.86 | |
| 22 | 1.72 | 1.94 | 1.90 | 2.35 | 4.40 | 4.14 | 8.22 | 4.00 | 1.77 | 1.70 | 1.96 | 1.84 | |
| 23 | 1.66 | 1.97 | 1.90 | 2.61 | 4.44 | 4.27 | 8.12 | 3.69 | 1.74 | 1.70 | 1.91 | 1.82 | |
| 24 | 1.71 | 2.19 | 1.92 | 2.80 | 4.48 | 4.36 | 8.02 | 3.23 | 1.71 | 1.70 | 1.86 | 1.81 | |
| 25 | 2.01 | 2.19 | 1.92 | 2.95 | 4.60 | 4.62 | 7.92 | 2.68 | 1.70 | 1.70 | 1.89 | 1.80 | |
| 26 | 2.10 | 2.18 | 1.86 | 3.32 | 4.66 | 4.89 | 7.79 | 2.46 | 1.70 | 1.72 | 1.89 | 1.80 | |
| 27 | 2.08 | 2.16 | 1.86 | 3.44 | 4.74 | 4.89 | 7.66 | 2.30 | 1.70 | 1.73 | 1.86 | 1.81 | |
| 28 | 1.90 | 2.13 | 1.85 | 3.40 | 4.75 | 4.88 | 7.52 | 2.11 | 1.70 | 1.73 | 1.85 | 1.83 | |
| 29 | 1.84 | 2.09 | 1.85 | 3.36 | 4.78 | 4.98 | 7.38 | 2.03 | 1.70 | 1.73 | | 1.89 | |
| 30 | 1.87 | 2.06 | 1.85 | 3.33 | 5.04 | 5.04 | 7.27 | 2.03 | 1.70 | 1.72 | | 1.89 | |
| 31 | | 2.12 | | 3.34 | 5.56 | | 7.14 | | 1.70 | 1.72 | | 1.89 | |
| Mean | 1.85 | 2.07 | 1.90 | 2.74 | 4.00 | 4.67 | 7.53 | 4.77 | 1.84 | 1.71 | 1.80 | 1.86 | |
| Max | 2.23 | 2.40 | 2.09 | 3.44 | 5.56 | 5.97 | 8.42 | 6.99 | 2.09 | 1.73 | 2.07 | 2.04 | 8.42 |
| Min | 1.66 | 1.89 | 1.77 | 1.85 | 2.93 | 3.15 | 5.11 | 2.03 | 1.70 | 1.70 | 1.73 | 1.78 | 1.66 |

Annual Max Momentary Gage Height 8.43 m. (A.D.) , at 15.00 Hours, on Oct 17, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.26 m. (A.D.)

Left Bank Elevation 9.69 m. (A.D.) ,

Right Bank Elevation 7.89 m. (A.D.) , Drainage Are 3,881 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 2.70 | 0.00 | 49.00 | 173.80 | 148.30 | 39.60 | 0.13 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.60 | 0.00 | 50.80 | 179.80 | 162.20 | 34.80 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 55.00 | 181.80 | 181.80 | 31.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 61.00 | 181.40 | 195.00 | 29.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 5.10 | 0.00 | 0.00 | 12.30 | 74.80 | 180.60 | 210.90 | 26.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 6.90 | 1.20 | 0.00 | 13.20 | 76.60 | 175.40 | 231.90 | 24.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 1.20 | 5.10 | 0.00 | 19.55 | 77.80 | 170.20 | 247.30 | 22.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.30 | 12.00 | 0.00 | 23.40 | 77.80 | 162.60 | 266.00 | 19.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 6.00 | 0.00 | 35.30 | 73.60 | 153.00 | 282.00 | 16.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 5.70 | 0.00 | 47.20 | 70.00 | 148.00 | 303.60 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 5.40 | 0.00 | 44.80 | 52.00 | 139.60 | 328.70 | 12.10 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 5.40 | 0.00 | 38.80 | 46.00 | 118.60 | 357.60 | 10.50 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 4.50 | 0.00 | 33.55 | 41.60 | 89.80 | 382.40 | 9.30 | 0.00 | 0.00 | 0.00 | 0.10 | | |
| 14 | 0.00 | 2.70 | 0.00 | 28.30 | 30.05 | 68.20 | 404.40 | 8.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 22.00 | 33.90 | 49.60 | 426.40 | 7.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 16.40 | 49.60 | 40.55 | 441.80 | 7.23 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 14.40 | 68.80 | 37.75 | 448.40 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 12.60 | 79.60 | 37.75 | 400.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 12.90 | 86.20 | 54.40 | 377.50 | 6.13 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 11.40 | 95.80 | 73.00 | 347.50 | 5.85 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 10.50 | 104.20 | 83.20 | 306.50 | 5.45 | 0.00 | 0.00 | 0.18 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 10.50 | 113.00 | 93.40 | 282.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 18.85 | 116.20 | 102.60 | 247.00 | 4.23 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 5.70 | 0.00 | 25.50 | 119.40 | 109.80 | 216.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.30 | 5.70 | 0.00 | 30.75 | 129.00 | 130.40 | 186.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 3.00 | 5.40 | 0.00 | 44.20 | 133.20 | 141.70 | 147.50 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 2.40 | 4.80 | 0.00 | 51.40 | 137.20 | 141.70 | 115.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 3.90 | 0.00 | 49.00 | 137.50 | 141.40 | 84.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 2.70 | 0.00 | 46.60 | 138.40 | 144.40 | 64.60 | 0.08 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 1.80 | 0.00 | 44.80 | 146.20 | 146.20 | 56.90 | 0.08 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 3.60 | | 45.40 | 165.40 | | 47.80 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 19.20 | 81.60 | 3.30 | 763.60 | 2689.65 | 3650.65 | 7897.00 | 359.26 | 0.56 | 0.00 | 0.18 | 0.10 | 15465.10 | CMSDAY |
| Mean | 0.64 | 2.63 | 0.11 | 24.63 | 86.76 | 121.69 | 254.74 | 11.98 | 0.02 | 0.00 | 0.01 | 0.00 | 42.37 | CMS |
| Max | 6.90 | 12.00 | 2.70 | 51.40 | 165.40 | 181.80 | 448.40 | 39.60 | 0.23 | 0.00 | 0.18 | 0.10 | 448.40 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 30.05 | 37.75 | 47.80 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.66 | 7.05 | 0.29 | 65.98 | 232.39 | 315.42 | 682.30 | 31.04 | 0.05 | 0.00 | 0.02 | 0.01 | 1336.18 | MCM |

Momentary Peak 450.60 CMS, at 8.43 m. (A.D.), at 15.00 Hours, on Oct 17, 2006

Runoff Yield 10.92 Liters/Second/Square KM. Momentary Peak Yield 116.10 Liters/Second/Square KM.

## WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Phra Phloeng at Ban Tha Yiam, Nakhon Ratchasima (M.180)

Lat 14 - 38 - 04 N Long 101 - 53 - 16 E

**Location : on left bank at Ban Tha Yiam**

| | | | |
|---|---|---|---|
| | **Ban** Tha Yiam | **Amphoe** Pak Thong Chai | **Changwat** Nakhon Ratchasima |
| **Drainge Area** | 864 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | 0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the footpath of the bridge. | **Elevation** | +8.679 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Fairly stable by some scouring. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +4.350 m.(A.D.), records are channel flow only. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 40 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

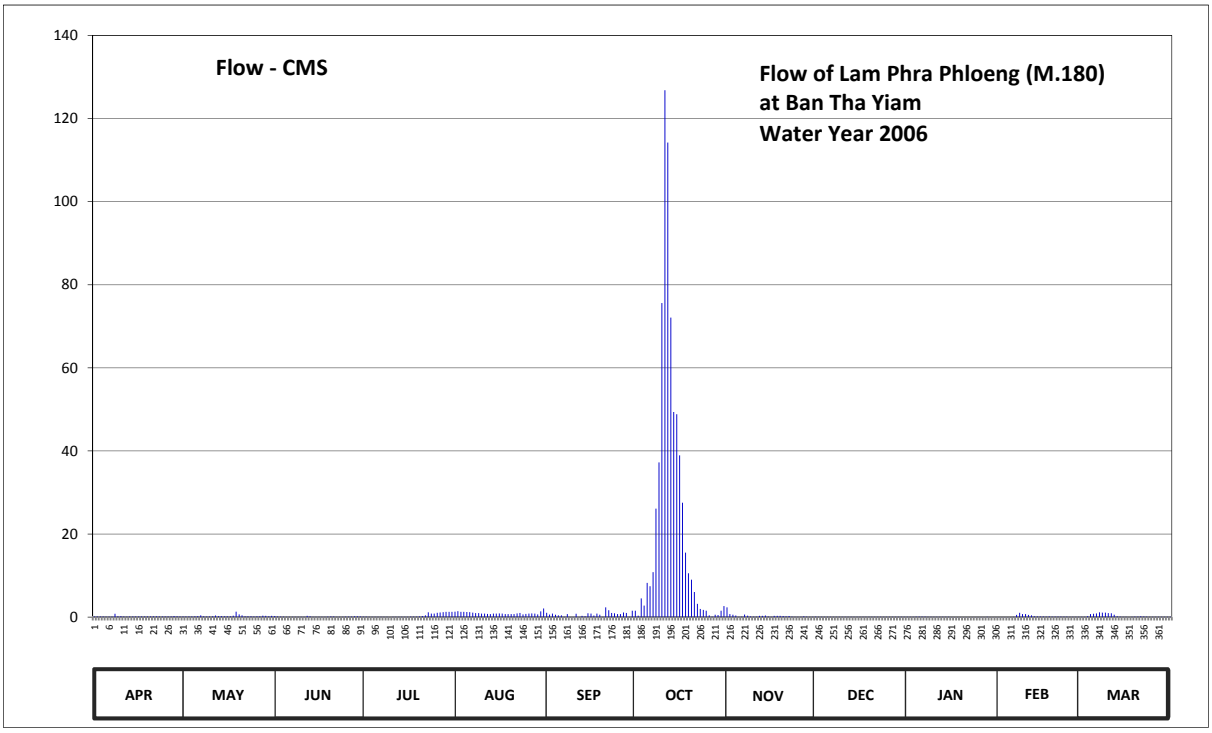
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.47 | 0.47 | 0.52 | 0.42 | 0.87 | 0.78 | 0.94 | 1.19 | 0.40 | 0.35 | 0.16 | 0.34 | |
| 2 | 0.47 | 0.47 | 0.46 | 0.39 | 0.91 | 0.64 | 0.55 | 0.68 | 0.38 | 0.35 | 0.17 | 0.34 | |
| 3 | 0.47 | 0.46 | 0.41 | 0.38 | 0.86 | 0.71 | 1.49 | 0.63 | 0.35 | 0.35 | 0.17 | 0.51 | |
| 4 | 0.47 | 0.47 | 0.41 | 0.37 | 0.85 | 0.63 | 1.26 | 0.56 | 0.35 | 0.39 | 0.18 | 0.68 | |
| 5 | 0.43 | 0.49 | 0.38 | 0.37 | 0.84 | 0.57 | 1.84 | 0.34 | 0.35 | 0.40 | 0.27 | 0.70 | |
| 6 | 0.40 | 0.51 | 0.36 | 0.36 | 0.83 | 0.57 | 1.78 | 0.43 | 0.36 | 0.40 | 0.34 | 0.73 | |
| 7 | 0.40 | 0.57 | 0.37 | 0.34 | 0.79 | 0.35 | 2.04 | 0.64 | 0.36 | 0.40 | 0.61 | 0.82 | |
| 8 | 0.70 | 0.49 | 0.37 | 0.33 | 0.75 | 0.68 | 3.10 | 0.55 | 0.36 | 0.38 | 0.78 | 0.79 | |
| 9 | 0.50 | 0.47 | 0.37 | 0.32 | 0.75 | 0.27 | 3.78 | 0.46 | 0.35 | 0.35 | 0.67 | 0.79 | |
| 10 | 0.51 | 0.47 | 0.38 | 0.26 | 0.72 | 0.28 | 5.36 | 0.39 | 0.33 | 0.34 | 0.68 | 0.75 | |
| 11 | 0.47 | 0.48 | 0.38 | 0.37 | 0.72 | 0.70 | 6.38 | 0.42 | 0.33 | 0.33 | 0.61 | 0.74 | |
| 12 | 0.41 | 0.56 | 0.53 | 0.37 | 0.69 | 0.29 | 6.17 | 0.53 | 0.34 | 0.33 | 0.57 | 0.62 | |
| 13 | 0.45 | 0.51 | 0.50 | 0.35 | 0.67 | 0.54 | 5.26 | 0.53 | 0.34 | 0.33 | 0.49 | 0.48 | |
| 14 | 0.45 | 0.51 | 0.35 | 0.34 | 0.72 | 0.48 | 4.42 | 0.56 | 0.34 | 0.33 | 0.46 | 0.39 | |
| 15 | 0.46 | 0.50 | 0.35 | 0.36 | 0.72 | 0.74 | 4.39 | 0.45 | 0.33 | 0.33 | 0.44 | 0.36 | |
| 16 | 0.47 | 0.50 | 0.34 | 0.36 | 0.73 | 0.71 | 3.87 | 0.38 | 0.33 | 0.30 | 0.44 | 0.31 | |
| 17 | 0.46 | 0.50 | 0.34 | 0.39 | 0.71 | 0.56 | 3.19 | 0.54 | 0.33 | 0.28 | 0.43 | 0.29 | |
| 18 | 0.46 | 0.55 | 0.36 | 0.41 | 0.67 | 0.71 | 2.40 | 0.53 | 0.32 | 0.27 | 0.44 | 0.34 | |
| 19 | 0.47 | 0.87 | 0.39 | 0.41 | 0.68 | 0.62 | 2.02 | 0.53 | 0.32 | 0.27 | 0.43 | 0.39 | |
| 20 | 0.47 | 0.65 | 0.45 | 0.45 | 0.67 | 0.34 | 1.90 | 0.52 | 0.32 | 0.27 | 0.43 | 0.43 | |
| 21 | 0.48 | 0.57 | 0.45 | 0.52 | 0.68 | 1.19 | 1.66 | 0.49 | 0.32 | 0.27 | 0.42 | 0.48 | |
| 22 | 0.48 | 0.50 | 0.37 | 0.58 | 0.73 | 0.99 | 1.33 | 0.52 | 0.32 | 0.27 | 0.42 | 0.44 | |
| 23 | 0.47 | 0.50 | 0.37 | 0.82 | 0.76 | 0.77 | 1.09 | 0.42 | 0.32 | 0.28 | 0.42 | 0.40 | |
| 24 | 0.47 | 0.49 | 0.37 | 0.72 | 0.65 | 0.74 | 1.01 | 0.35 | 0.32 | 0.28 | 0.40 | 0.38 | |
| 25 | 0.47 | 0.45 | 0.39 | 0.72 | 0.69 | 0.68 | 0.95 | 0.37 | 0.32 | 0.27 | 0.34 | 0.38 | |
| 26 | 0.46 | 0.48 | 0.39 | 0.78 | 0.72 | 0.68 | 0.57 | 0.34 | 0.32 | 0.28 | 0.34 | 0.37 | |
| 27 | 0.46 | 0.50 | 0.39 | 0.81 | 0.73 | 0.80 | 0.41 | 0.49 | 0.33 | 0.28 | 0.34 | 0.38 | |
| 28 | 0.52 | 0.55 | 0.48 | 0.83 | 0.72 | 0.76 | 0.62 | 0.40 | 0.35 | 0.31 | 0.34 | 0.38 | |
| 29 | 0.48 | 0.53 | 0.48 | 0.86 | 0.65 | 0.37 | 0.60 | 0.38 | 0.35 | 0.28 | | 0.38 | |
| 30 | 0.47 | 0.49 | 0.46 | 0.85 | 0.90 | 0.94 | 0.94 | 0.36 | 0.35 | 0.27 | | 0.37 | |
| 31 | | 0.54 | | 0.85 | 1.12 | | 1.24 | | 0.35 | 0.26 | | 0.36 | |
| Mean | 0.47 | 0.52 | 0.41 | 0.51 | 0.76 | 0.64 | 2.34 | 0.50 | 0.34 | 0.32 | 0.42 | 0.49 | |
| Max | 0.70 | 0.87 | 0.53 | 0.86 | 1.12 | 1.19 | 6.38 | 1.19 | 0.40 | 0.40 | 0.78 | 0.82 | 6.38 |
| Min | 0.40 | 0.45 | 0.34 | 0.26 | 0.65 | 0.27 | 0.41 | 0.34 | 0.32 | 0.26 | 0.16 | 0.29 | 0.16 |

Annual Max Momentary Gage Height 6.48 m. (A.D.) , at 18.00 Hours, on Oct 11, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.26 m. (A.D.)

Left Bank Elevation 4.34 m. (A.D.) ,

Right Bank Elevation 4.95 m. (A.D.) , Drainage Are 864 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.17 | 0.17 | 0.26 | 0.12 | 1.31 | 1.04 | 1.52 | 2.36 | 0.10 | 0.08 | 0.02 | 0.07 | | |
| 2 | 0.17 | 0.17 | 0.16 | 0.10 | 1.43 | 0.62 | 0.35 | 0.74 | 0.09 | 0.08 | 0.02 | 0.07 | | |
| 3 | 0.17 | 0.16 | 0.11 | 0.09 | 1.28 | 0.83 | 4.51 | 0.59 | 0.08 | 0.08 | 0.02 | 0.23 | | |
| 4 | 0.17 | 0.17 | 0.11 | 0.09 | 1.25 | 0.59 | 2.76 | 0.38 | 0.08 | 0.10 | 0.02 | 0.74 | | |
| 5 | 0.13 | 0.19 | 0.09 | 0.09 | 1.22 | 0.41 | 8.22 | 0.07 | 0.08 | 0.10 | 0.04 | 0.80 | | |
| 6 | 0.10 | 0.23 | 0.08 | 0.08 | 1.19 | 0.41 | 7.44 | 0.13 | 0.08 | 0.10 | 0.07 | 0.89 | | |
| 7 | 0.10 | 0.41 | 0.09 | 0.07 | 1.07 | 0.08 | 10.82 | 0.62 | 0.08 | 0.10 | 0.53 | 1.16 | | |
| 8 | 0.80 | 0.19 | 0.09 | 0.07 | 0.95 | 0.74 | 26.10 | 0.35 | 0.08 | 0.09 | 1.04 | 1.07 | | |
| 9 | 0.20 | 0.17 | 0.09 | 0.06 | 0.95 | 0.04 | 37.22 | 0.16 | 0.08 | 0.08 | 0.71 | 1.07 | | |
| 10 | 0.23 | 0.17 | 0.09 | 0.04 | 0.86 | 0.04 | 75.60 | 0.10 | 0.07 | 0.07 | 0.74 | 0.95 | | |
| 11 | 0.17 | 0.18 | 0.09 | 0.09 | 0.86 | 0.80 | 126.80 | 0.12 | 0.07 | 0.07 | 0.53 | 0.92 | | |
| 12 | 0.11 | 0.38 | 0.29 | 0.09 | 0.77 | 0.05 | 114.20 | 0.29 | 0.07 | 0.07 | 0.41 | 0.56 | | |
| 13 | 0.15 | 0.23 | 0.20 | 0.08 | 0.71 | 0.32 | 72.10 | 0.29 | 0.07 | 0.07 | 0.19 | 0.18 | | |
| 14 | 0.15 | 0.23 | 0.08 | 0.07 | 0.86 | 0.18 | 49.38 | 0.38 | 0.07 | 0.07 | 0.16 | 0.10 | | |
| 15 | 0.16 | 0.20 | 0.08 | 0.08 | 0.86 | 0.92 | 48.81 | 0.15 | 0.07 | 0.07 | 0.14 | 0.08 | | |
| 16 | 0.17 | 0.20 | 0.07 | 0.08 | 0.89 | 0.83 | 38.93 | 0.09 | 0.07 | 0.05 | 0.14 | 0.06 | | |
| 17 | 0.16 | 0.20 | 0.07 | 0.10 | 0.83 | 0.38 | 27.54 | 0.32 | 0.07 | 0.04 | 0.13 | 0.05 | | |
| 18 | 0.16 | 0.35 | 0.08 | 0.11 | 0.71 | 0.83 | 15.50 | 0.29 | 0.06 | 0.04 | 0.14 | 0.07 | | |
| 19 | 0.17 | 1.31 | 0.10 | 0.11 | 0.74 | 0.56 | 10.56 | 0.29 | 0.06 | 0.04 | 0.13 | 0.10 | | |
| 20 | 0.17 | 0.65 | 0.15 | 0.15 | 0.71 | 0.07 | 9.00 | 0.26 | 0.06 | 0.04 | 0.13 | 0.13 | | |
| 21 | 0.18 | 0.41 | 0.15 | 0.26 | 0.74 | 2.36 | 6.04 | 0.19 | 0.06 | 0.04 | 0.12 | 0.18 | | |
| 22 | 0.18 | 0.20 | 0.09 | 0.44 | 0.89 | 1.67 | 3.21 | 0.26 | 0.06 | 0.04 | 0.12 | 0.14 | | |
| 23 | 0.17 | 0.20 | 0.09 | 1.16 | 0.98 | 1.01 | 1.97 | 0.12 | 0.06 | 0.04 | 0.12 | 0.10 | | |
| 24 | 0.17 | 0.19 | 0.09 | 0.86 | 0.65 | 0.92 | 1.73 | 0.08 | 0.06 | 0.04 | 0.10 | 0.09 | | |
| 25 | 0.17 | 0.15 | 0.10 | 0.86 | 0.77 | 0.74 | 1.55 | 0.09 | 0.06 | 0.04 | 0.07 | 0.09 | | |
| 26 | 0.16 | 0.18 | 0.10 | 1.04 | 0.86 | 0.74 | 0.41 | 0.07 | 0.06 | 0.04 | 0.07 | 0.09 | | |
| 27 | 0.16 | 0.20 | 0.10 | 1.13 | 0.89 | 1.10 | 0.11 | 0.19 | 0.07 | 0.04 | 0.07 | 0.09 | | |
| 28 | 0.26 | 0.35 | 0.18 | 1.19 | 0.86 | 0.98 | 0.56 | 0.10 | 0.08 | 0.06 | 0.07 | 0.09 | | |
| 29 | 0.18 | 0.29 | 0.18 | 1.28 | 0.65 | 0.09 | 0.50 | 0.09 | 0.08 | 0.04 | | 0.09 | | |
| 30 | 0.17 | 0.19 | 0.16 | 1.25 | 1.40 | 1.52 | 1.52 | 0.08 | 0.08 | 0.04 | | 0.09 | | |
| 31 | | 0.32 | | 1.25 | 2.08 | | 2.64 | | 0.08 | 0.04 | | 0.08 | | |
| Total | 5.61 | 8.64 | 3.62 | 12.49 | 30.22 | 20.87 | 707.60 | 9.25 | 2.24 | 1.90 | 6.05 | 10.43 | 818.92 | CMSDAY |
| Mean | 0.19 | 0.28 | 0.12 | 0.40 | 0.97 | 0.70 | 22.83 | 0.31 | 0.07 | 0.06 | 0.22 | 0.34 | 2.24 | CMS |
| Max | 0.80 | 1.31 | 0.29 | 1.28 | 2.08 | 2.36 | 126.80 | 2.36 | 0.10 | 0.10 | 1.04 | 1.16 | 126.80 | CMS |
| Min | 0.10 | 0.15 | 0.07 | 0.04 | 0.65 | 0.04 | 0.11 | 0.07 | 0.06 | 0.04 | 0.02 | 0.05 | 0.02 | CMS |
| Runoff | 0.48 | 0.75 | 0.31 | 1.08 | 2.61 | 1.80 | 61.14 | 0.80 | 0.19 | 0.16 | 0.52 | 0.90 | 70.75 | MCM |

Momentary Peak 132.80 CMS, at 6.48 m. (A.D.), at 18.00 Hours, on Oct 11, 2006

Runoff Yield 2.60 Liters/Second/Square KM. Momentary Peak Yield 153.70 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Nawarat Bridge , Chiang Mai (P.1)

Lat 18 - 47 - 10 N Long 99 - 00 - 27 E

**Location : on left bank about 100 meters downstream from Nawarat Bridge.**

**Ban** Nawarat Bridge **Amphoe** Mueang **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 6,350 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +300.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near automatic gage building **Elevation** +304.906 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1921 to date |
| **Rating Operation** | |
| **Period of Rating** | 1954 - 1960 , 1967 to date |
| **Rated by Flot** | 1936 - 1938 |
| **Rated by Current Meter** | 1954 - 1960 , 1967 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Mae Ngat Dam and Mae Taeng Weir above gage site.<br>Phaya Kham weir situated about 2 Kilometers dowmstream from the gage site.<br>Stage-discharge relation defined by 43 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

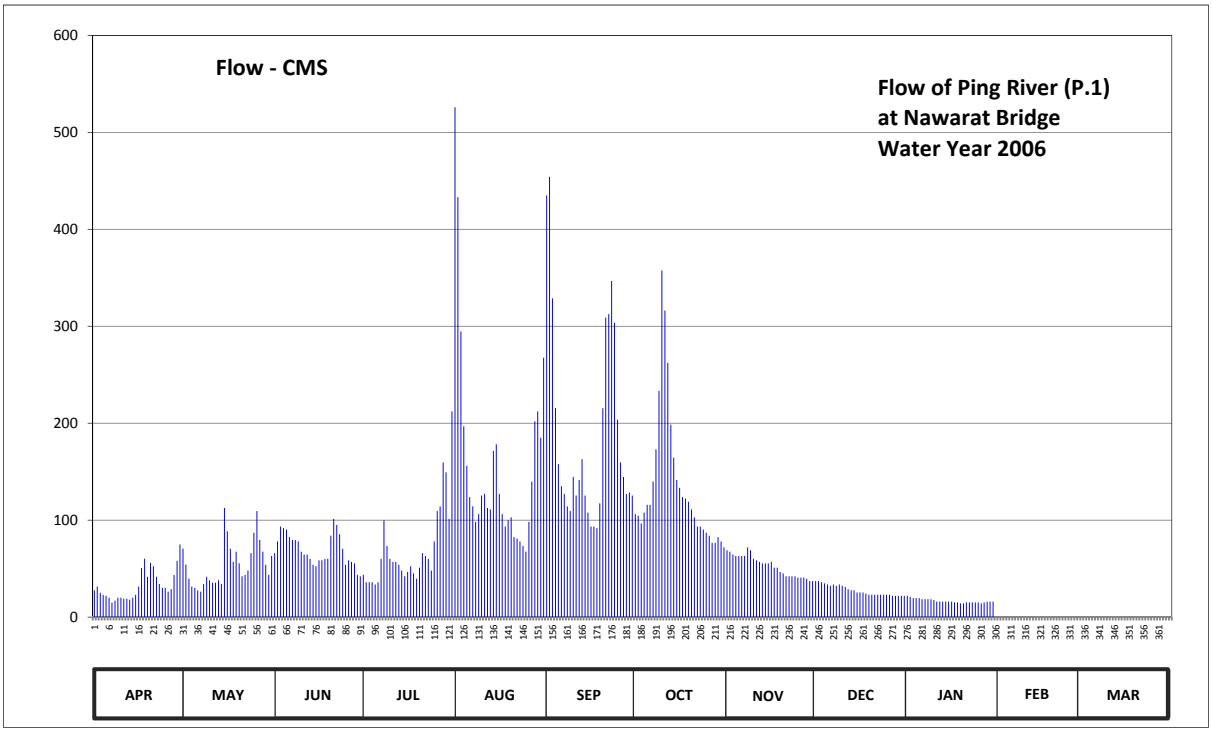
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 301.92 | 302.17 | 302.06 | 301.91 | 304.64 | 304.19 | 302.32 | 302.08 | 301.86 | 301.73 | 301.94 | 301.86 | |
| 2 | 301.95 | 302.09 | 302.14 | 301.85 | 304.18 | 304.29 | 302.31 | 302.07 | 301.86 | 301.72 | 302.01 | 301.83 | |
| 3 | 301.90 | 302.01 | 302.24 | 301.85 | 303.42 | 303.61 | 302.26 | 302.05 | 301.85 | 301.71 | 302.02 | 301.99 | |
| 4 | 301.88 | 301.95 | 302.23 | 301.85 | 302.87 | 302.98 | 302.33 | 302.04 | 301.84 | 301.71 | 302.03 | 302.01 | |
| 5 | 301.87 | 301.94 | 302.22 | 301.83 | 302.63 | 302.64 | 302.38 | 302.04 | 301.83 | 301.71 | 302.02 | 302.02 | |
| 6 | 301.85 | 301.92 | 302.17 | 301.85 | 302.43 | 302.50 | 302.38 | 302.04 | 301.82 | 301.70 | 302.01 | 302.02 | |
| 7 | 301.80 | 301.91 | 302.15 | 302.02 | 302.37 | 302.45 | 302.53 | 302.04 | 301.83 | 301.70 | 301.96 | 301.97 | |
| 8 | 301.82 | 301.97 | 302.15 | 302.28 | 302.27 | 302.37 | 302.73 | 302.10 | 301.82 | 301.70 | 301.96 | 301.97 | |
| 9 | 301.85 | 302.02 | 302.14 | 302.11 | 302.32 | 302.34 | 303.08 | 302.08 | 301.83 | 301.70 | 301.97 | 302.00 | |
| 10 | 301.85 | 302.00 | 302.07 | 302.02 | 302.44 | 302.56 | 303.77 | 302.02 | 301.82 | 301.69 | 301.99 | 301.96 | |
| 11 | 301.84 | 301.98 | 302.05 | 302.00 | 302.45 | 302.44 | 303.54 | 302.01 | 301.81 | 301.67 | 301.98 | 301.98 | |
| 12 | 301.84 | 301.98 | 302.05 | 302.00 | 302.36 | 302.54 | 303.24 | 302.00 | 301.79 | 301.67 | 301.98 | 302.03 | |
| 13 | 301.83 | 302.00 | 302.02 | 301.98 | 302.35 | 302.67 | 302.88 | 301.99 | 301.78 | 301.67 | 301.99 | 302.05 | |
| 14 | 301.85 | 301.97 | 301.98 | 301.94 | 302.72 | 302.44 | 302.68 | 301.99 | 301.78 | 301.67 | 301.98 | 302.05 | |
| 15 | 301.88 | 302.36 | 301.97 | 301.90 | 302.76 | 302.33 | 302.54 | 301.99 | 301.76 | 301.67 | 301.97 | 302.04 | |
| 16 | 301.95 | 302.21 | 302.01 | 301.93 | 302.45 | 302.24 | 302.49 | 302.00 | 301.76 | 301.67 | 301.96 | 302.03 | |
| 17 | 302.07 | 302.09 | 302.01 | 301.97 | 302.32 | 302.24 | 302.43 | 301.96 | 301.76 | 301.66 | 301.96 | 302.04 | |
| 18 | 302.12 | 302.00 | 302.02 | 301.92 | 302.24 | 302.23 | 302.42 | 301.96 | 301.75 | 301.66 | 301.96 | 302.06 | |
| 19 | 302.02 | 302.07 | 302.02 | 301.88 | 302.28 | 302.39 | 302.40 | 301.93 | 301.74 | 301.65 | 301.95 | 302.10 | |
| 20 | 302.10 | 301.99 | 302.18 | 301.96 | 302.30 | 302.98 | 302.35 | 301.92 | 301.74 | 301.65 | 301.94 | 302.09 | |
| 21 | 302.08 | 301.90 | 302.29 | 302.06 | 302.17 | 303.50 | 302.30 | 301.90 | 301.74 | 301.66 | 301.92 | 302.12 | |
| 22 | 302.02 | 301.91 | 302.25 | 302.04 | 302.16 | 303.52 | 302.24 | 301.90 | 301.74 | 301.66 | 301.88 | 302.19 | |
| 23 | 301.97 | 301.94 | 302.19 | 302.02 | 302.14 | 303.71 | 302.24 | 301.90 | 301.74 | 301.66 | 301.89 | 302.16 | |
| 24 | 301.94 | 302.06 | 302.09 | 301.94 | 302.11 | 303.47 | 302.22 | 301.90 | 301.74 | 301.66 | 301.91 | 302.12 | |
| 25 | 301.94 | 302.20 | 301.98 | 302.14 | 302.07 | 302.91 | 302.20 | 301.89 | 301.74 | 301.66 | 301.92 | 302.07 | |
| 26 | 301.91 | 302.34 | 302.01 | 302.34 | 302.27 | 302.65 | 302.18 | 301.89 | 301.74 | 301.65 | 301.94 | 302.05 | |
| 27 | 301.93 | 302.15 | 302.00 | 302.37 | 302.53 | 302.56 | 302.13 | 301.89 | 301.73 | 301.66 | 301.90 | 302.06 | |
| 28 | 302.03 | 302.07 | 301.99 | 302.65 | 302.90 | 302.45 | 302.13 | 301.88 | 301.73 | 301.67 | 301.86 | 302.02 | |
| 29 | 302.11 | 301.98 | 301.91 | 302.59 | 302.96 | 302.46 | 302.17 | 301.86 | 301.73 | 301.67 | | 302.01 | |
| 30 | 302.19 | 301.91 | 301.90 | 302.29 | 302.80 | 302.44 | 302.14 | 301.86 | 301.73 | 301.67 | | 302.00 | |
| 31 | | 302.04 | | 302.96 | 303.27 | | 302.10 | | 301.73 | 301.90 | | 301.99 | |
| Mean | 301.94 | 302.04 | 302.08 | 302.08 | 302.62 | 302.80 | 302.49 | 301.97 | 301.78 | 301.68 | 301.96 | 302.03 | |
| Max | 302.19 | 302.36 | 302.29 | 302.96 | 304.64 | 304.29 | 303.77 | 302.10 | 301.86 | 301.90 | 302.03 | 302.19 | 304.64 |
| Min | 301.80 | 301.90 | 301.90 | 301.83 | 302.07 | 302.23 | 302.10 | 301.86 | 301.73 | 301.65 | 301.86 | 301.83 | 301.65 |

Annual Max Momentary Gage Height 304.83 m. (MSL.) , at 13.00 Hours , on Aug 1, 2006

Zero Gage at Bottom Elevation 300.50 m. (MSL.) , River Bed 299.21 m. (MSL.)

Left Bank Elevation 307.71 m. (MSL.) ,

Right Bank Elevation 307.67 m. (MSL.) , Drainage Are 6,350 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27.60 | 70.70 | 66.00 | 43.50 | 526.00 | 435.10 | 106.20 | 69.00 | 37.20 | 21.95 | 0.00 | 0.00 | | |
| 2 | 31.50 | 54.20 | 78.00 | 36.00 | 433.20 | 454.10 | 104.60 | 67.50 | 37.20 | 20.80 | 0.00 | 0.00 | | |
| 3 | 25.00 | 39.80 | 93.40 | 36.00 | 294.60 | 328.80 | 96.60 | 64.50 | 36.00 | 19.65 | 0.00 | 0.00 | | |
| 4 | 23.00 | 31.50 | 91.80 | 36.00 | 196.90 | 215.60 | 107.80 | 63.00 | 34.80 | 19.65 | 0.00 | 0.00 | | |
| 5 | 22.00 | 30.20 | 90.20 | 33.60 | 156.10 | 157.80 | 115.80 | 63.00 | 33.60 | 19.65 | 0.00 | 0.00 | | |
| 6 | 20.00 | 27.60 | 82.50 | 36.00 | 123.80 | 135.00 | 115.80 | 63.00 | 32.40 | 18.50 | 0.00 | 0.00 | | |
| 7 | 15.00 | 26.30 | 79.50 | 60.00 | 114.20 | 127.00 | 139.80 | 63.00 | 33.60 | 18.50 | 0.00 | 0.00 | | |
| 8 | 17.00 | 34.10 | 79.50 | 99.80 | 98.20 | 114.20 | 173.10 | 72.00 | 32.40 | 18.50 | 0.00 | 0.00 | | |
| 9 | 20.00 | 41.60 | 78.00 | 73.50 | 106.20 | 109.40 | 233.40 | 69.00 | 33.60 | 18.50 | 0.00 | 0.00 | | |
| 10 | 20.00 | 38.00 | 67.50 | 60.00 | 125.40 | 144.60 | 357.60 | 60.00 | 32.40 | 17.65 | 0.00 | 0.00 | | |
| 11 | 19.00 | 35.40 | 64.50 | 57.00 | 127.00 | 125.40 | 316.20 | 58.50 | 31.20 | 15.95 | 0.00 | 0.00 | | |
| 12 | 19.00 | 35.40 | 64.50 | 57.00 | 112.60 | 141.40 | 262.20 | 57.00 | 28.85 | 15.95 | 0.00 | 0.00 | | |
| 13 | 18.00 | 38.00 | 60.00 | 54.00 | 111.00 | 162.90 | 198.60 | 55.50 | 27.70 | 15.95 | 0.00 | 0.00 | | |
| 14 | 20.00 | 34.10 | 54.00 | 48.00 | 171.40 | 125.40 | 164.60 | 55.50 | 27.70 | 15.95 | 0.00 | 0.00 | | |
| 15 | 23.00 | 112.60 | 52.50 | 42.00 | 178.20 | 107.80 | 141.40 | 55.50 | 25.40 | 15.95 | 0.00 | 0.00 | | |
| 16 | 31.50 | 88.60 | 58.50 | 46.50 | 127.00 | 93.40 | 133.40 | 57.00 | 25.40 | 15.95 | 0.00 | 0.00 | | |
| 17 | 50.60 | 70.50 | 58.50 | 52.50 | 106.20 | 93.40 | 123.80 | 51.00 | 25.40 | 15.10 | 0.00 | 0.00 | | |
| 18 | 60.20 | 57.00 | 60.00 | 45.00 | 93.40 | 91.80 | 122.20 | 51.00 | 24.25 | 15.10 | 0.00 | 0.00 | | |
| 19 | 41.60 | 67.50 | 60.00 | 39.60 | 99.80 | 117.40 | 119.00 | 46.50 | 23.10 | 14.25 | 0.00 | 0.00 | | |
| 20 | 56.00 | 55.50 | 84.00 | 51.00 | 103.00 | 215.60 | 111.00 | 45.00 | 23.10 | 14.25 | 0.00 | 0.00 | | |
| 21 | 52.40 | 42.00 | 101.40 | 66.00 | 82.50 | 309.00 | 103.00 | 42.00 | 23.10 | 15.10 | 0.00 | 0.00 | | |
| 22 | 41.60 | 43.50 | 95.00 | 63.00 | 81.00 | 312.60 | 93.40 | 42.00 | 23.10 | 15.10 | 0.00 | 0.00 | | |
| 23 | 34.10 | 48.00 | 85.50 | 60.00 | 78.00 | 346.80 | 93.40 | 42.00 | 23.10 | 15.10 | 0.00 | 0.00 | | |
| 24 | 30.20 | 66.00 | 70.50 | 48.00 | 73.50 | 303.60 | 90.20 | 42.00 | 23.10 | 15.10 | 0.00 | 0.00 | | |
| 25 | 30.20 | 87.00 | 54.00 | 78.00 | 67.50 | 203.70 | 87.00 | 40.80 | 23.10 | 15.10 | 0.00 | 0.00 | | |
| 26 | 26.30 | 109.40 | 58.50 | 109.40 | 98.20 | 159.50 | 84.00 | 40.80 | 23.10 | 14.25 | 0.00 | 0.00 | | |
| 27 | 28.90 | 79.50 | 57.00 | 114.20 | 139.80 | 144.60 | 76.50 | 40.80 | 21.95 | 15.10 | 0.00 | 0.00 | | |
| 28 | 43.40 | 67.50 | 55.50 | 159.50 | 202.00 | 127.00 | 76.50 | 39.60 | 21.95 | 15.95 | 0.00 | 0.00 | | |
| 29 | 58.10 | 54.00 | 43.50 | 149.40 | 212.20 | 128.60 | 82.50 | 37.20 | 21.95 | 15.95 | | 0.00 | | |
| 30 | 74.90 | 43.50 | 42.00 | 101.40 | 185.00 | 125.40 | 78.00 | 37.20 | 21.95 | 15.95 | | 0.00 | | |
| 31 | | 63.00 | | 212.20 | 267.60 | | 72.00 | | 21.95 | 0.00 | | 0.00 | | |
| Total | 980.10 | 1692.00 | 2085.80 | 2168.10 | 4891.50 | 5656.90 | 4179.60 | 1590.90 | 853.65 | 500.45 | 0.00 | 0.00 | 24599.00 | CMSDAY |
| Mean | 32.67 | 54.58 | 69.53 | 69.94 | 157.79 | 188.56 | 134.83 | 53.03 | 27.54 | 16.14 | 0.00 | 0.00 | 67.39 | CMS |
| Max | 74.90 | 112.60 | 101.40 | 212.20 | 526.00 | 454.10 | 357.60 | 72.00 | 37.20 | 21.95 | 0.00 | 0.00 | 526.00 | CMS |
| Min | 15.00 | 26.30 | 42.00 | 33.60 | 67.50 | 91.80 | 72.00 | 37.20 | 21.95 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 84.68 | 146.19 | 180.21 | 187.32 | 422.63 | 488.76 | 361.12 | 137.45 | 73.76 | 43.24 | 0.00 | 0.00 | 2125.35 | MCM |

Momentary Peak 577.30 CMS. at 304.83 m. (MSL.) at 13.00 Hours , on Aug 1, 2006

Runoff Yield 10.61 Liters/Second/Square KM. Momentary Peak Yield 90.91 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Tha Khae , Tak (P.2A)

Lat 16 - 51 - 11 N Long 99 - 07 - 34 E

**Location : on right bank about 200 meters downstream from Kittikhachon I Bridge.**

**Ban** Tha Khae **Amphoe** Mueang **Changwat** Tak

| | |
|---|---|
| **Drainge Area** | 38,681 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +104.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near automatic gage building **Elevation** +116.118 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1952 to date |
| **Rating Operation** | |
| **Period of Rating** | 1952 - 1960 , 1963 - 1967 , 1971 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1952 - 1960 , 1963 - 1967 , 1971 to date |
| **Stability of Channel Regimes** | Fairly stable by some silting. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records very good. Flow regulated by Phumiphol Dam reservoir since 1964.<br>Stage-discharge relation defined by 40 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

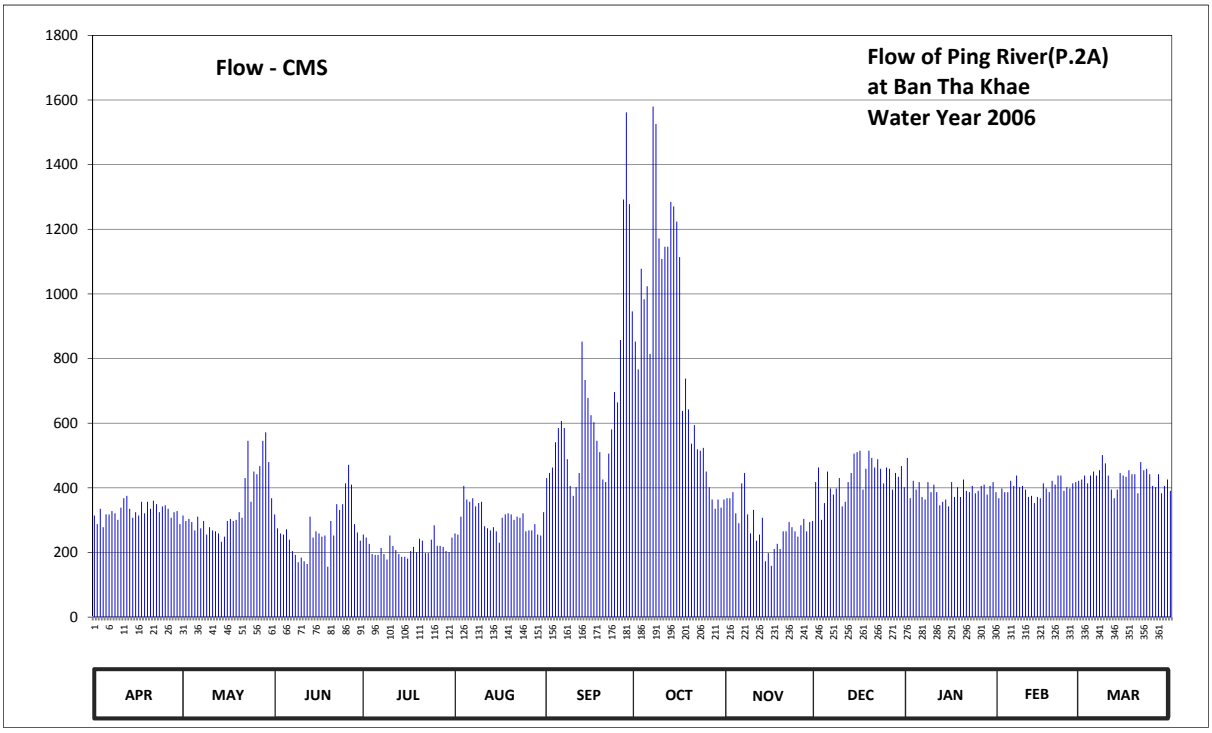
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 105.16 | 105.16 | 105.17 | 104.98 | 104.99 | 105.47 | 106.41 | 105.31 | 105.44 | 105.62 | 105.31 | 105.46 | |
| 2 | 105.08 | 105.11 | 105.04 | 104.95 | 104.98 | 105.51 | 106.23 | 105.31 | 105.55 | 105.31 | 105.39 | 105.49 | |
| 3 | 105.22 | 105.13 | 104.99 | 104.89 | 105.15 | 105.55 | 106.83 | 105.36 | 105.12 | 105.45 | 105.36 | 105.43 | |
| 4 | 105.05 | 105.10 | 104.98 | 104.79 | 105.41 | 105.73 | 106.67 | 105.18 | 105.27 | 105.38 | 105.36 | 105.49 | |
| 5 | 105.17 | 105.02 | 105.03 | 104.78 | 105.30 | 105.83 | 106.74 | 105.09 | 105.52 | 105.44 | 105.45 | 105.52 | |
| 6 | 105.17 | 105.15 | 104.93 | 104.78 | 105.28 | 105.88 | 106.33 | 105.43 | 105.39 | 105.32 | 105.41 | 105.49 | |
| 7 | 105.20 | 105.04 | 104.82 | 104.85 | 105.31 | 105.83 | 107.50 | 105.51 | 105.34 | 105.30 | 105.49 | 105.53 | |
| 8 | 105.18 | 105.11 | 104.78 | 104.79 | 105.24 | 105.61 | 107.44 | 105.17 | 105.39 | 105.44 | 105.40 | 105.64 | |
| 9 | 105.12 | 104.98 | 104.70 | 104.73 | 105.27 | 105.41 | 106.98 | 104.99 | 105.47 | 105.36 | 105.41 | 105.58 | |
| 10 | 105.23 | 105.05 | 104.75 | 104.97 | 105.28 | 105.33 | 106.88 | 105.21 | 105.24 | 105.42 | 105.38 | 105.49 | |
| 11 | 105.31 | 105.02 | 104.71 | 104.87 | 105.06 | 105.40 | 106.94 | 104.92 | 105.28 | 105.36 | 105.32 | 105.38 | |
| 12 | 105.33 | 105.01 | 104.68 | 104.83 | 105.04 | 105.51 | 106.94 | 104.98 | 105.44 | 105.25 | 105.33 | 105.31 | |
| 13 | 105.22 | 104.99 | 105.15 | 104.79 | 105.02 | 106.41 | 107.15 | 105.14 | 105.51 | 105.28 | 105.27 | 105.38 | |
| 14 | 105.14 | 104.91 | 104.95 | 104.76 | 105.05 | 106.16 | 107.13 | 104.71 | 105.65 | 105.30 | 105.32 | 105.51 | |
| 15 | 105.19 | 104.96 | 105.01 | 104.76 | 105.01 | 106.04 | 107.06 | 104.80 | 105.66 | 105.24 | 105.31 | 105.49 | |
| 16 | 105.16 | 105.11 | 104.99 | 104.74 | 104.90 | 105.92 | 106.89 | 104.66 | 105.67 | 105.44 | 105.43 | 105.48 | |
| 17 | 105.28 | 105.13 | 104.96 | 104.82 | 105.14 | 105.87 | 105.95 | 104.84 | 105.38 | 105.32 | 105.39 | 105.53 | |
| 18 | 105.18 | 105.11 | 104.97 | 104.86 | 105.17 | 105.74 | 106.17 | 104.89 | 105.54 | 105.40 | 105.36 | 105.50 | |
| 19 | 105.28 | 105.12 | 104.65 | 104.81 | 105.18 | 105.66 | 105.96 | 104.84 | 105.67 | 105.32 | 105.45 | 105.50 | |
| 20 | 105.22 | 105.19 | 105.11 | 104.94 | 105.17 | 105.46 | 105.72 | 105.01 | 105.62 | 105.46 | 105.42 | 105.35 | |
| 21 | 105.29 | 105.14 | 104.97 | 104.92 | 105.12 | 105.44 | 105.85 | 105.01 | 105.55 | 105.37 | 105.49 | 105.59 | |
| 22 | 105.26 | 105.47 | 105.26 | 104.80 | 105.15 | 105.65 | 105.68 | 105.10 | 105.61 | 105.36 | 105.49 | 105.53 | |
| 23 | 105.19 | 105.74 | 105.21 | 104.80 | 105.14 | 105.82 | 105.67 | 105.05 | 105.54 | 105.41 | 105.37 | 105.54 | |
| 24 | 105.24 | 105.28 | 105.26 | 104.93 | 105.18 | 106.08 | 105.69 | 105.01 | 105.43 | 105.35 | 105.40 | 105.50 | |
| 25 | 105.25 | 105.52 | 105.43 | 105.07 | 105.01 | 106.01 | 105.52 | 104.96 | 105.55 | 105.37 | 105.39 | 105.41 | |
| 26 | 105.22 | 105.50 | 105.57 | 104.87 | 105.02 | 106.42 | 105.40 | 105.07 | 105.54 | 105.41 | 105.43 | 105.40 | |
| 27 | 105.14 | 105.56 | 105.42 | 104.87 | 105.02 | 107.16 | 105.30 | 105.13 | 105.38 | 105.42 | 105.44 | 105.50 | |
| 28 | 105.19 | 105.74 | 105.08 | 104.86 | 105.08 | 107.48 | 105.22 | 105.01 | 105.51 | 105.34 | 105.45 | 105.35 | |
| 29 | 105.20 | 105.80 | 105.00 | 104.82 | 104.98 | 107.14 | 105.30 | 105.10 | 105.48 | 105.41 | | 105.41 | |
| 30 | 105.08 | 105.59 | 104.92 | 104.81 | 104.97 | 106.60 | 105.23 | 105.11 | 105.56 | 105.44 | | 105.46 | |
| 31 | | 105.31 | | 104.95 | 105.19 | | 105.30 | | 105.40 | 105.36 | | 105.37 | |
| Mean | 105.20 | 105.23 | 105.02 | 104.85 | 105.12 | 105.94 | 106.26 | 105.06 | 105.47 | 105.38 | 105.39 | 105.47 | |
| Max | 105.33 | 105.80 | 105.57 | 105.07 | 105.41 | 107.48 | 107.50 | 105.51 | 105.67 | 105.62 | 105.49 | 105.64 | 107.50 |
| Min | 105.05 | 104.91 | 104.65 | 104.73 | 104.90 | 105.33 | 105.22 | 104.66 | 105.12 | 105.24 | 105.27 | 105.31 | 104.65 |

Annual Max Momentary Gage Height 107.87 m. (MSL.) , at 06.00 Hours, on Oct 7, 2006

Zero Gage at Bottom Elevation 104.00 m. (MSL.) , River Bed 102.86 m. (MSL.)

Left Bank Elevation 110.27 m. (MSL.) ,

Right Bank Elevation 110.45 m. (MSL.) , Drainage Are 38,681 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 314.40 | 314.40 | 317.80 | 255.60 | 258.80 | 430.00 | 852.80 | 367.80 | 418.00 | 492.80 | 367.80 | 426.00 | | |
| 2 | 287.60 | 297.40 | 274.80 | 246.00 | 255.60 | 446.20 | 766.40 | 367.80 | 463.00 | 367.80 | 398.20 | 438.00 | | |
| 3 | 335.20 | 304.20 | 258.80 | 226.80 | 311.00 | 463.00 | 1078.00 | 386.80 | 300.80 | 422.00 | 386.80 | 414.00 | | |
| 4 | 278.00 | 294.00 | 255.60 | 195.20 | 406.00 | 541.20 | 983.80 | 321.20 | 353.20 | 394.40 | 386.80 | 438.00 | | |
| 5 | 317.80 | 268.40 | 271.60 | 192.40 | 364.00 | 585.20 | 1024.00 | 290.80 | 450.40 | 418.00 | 422.00 | 450.40 | | |
| 6 | 317.80 | 311.00 | 239.60 | 192.40 | 356.80 | 607.20 | 814.40 | 414.00 | 398.20 | 371.60 | 406.00 | 438.00 | | |
| 7 | 328.00 | 274.80 | 204.40 | 214.00 | 367.80 | 585.20 | 1580.00 | 446.20 | 379.20 | 364.00 | 438.00 | 454.60 | | |
| 8 | 321.20 | 297.40 | 192.40 | 195.20 | 342.40 | 488.40 | 1526.00 | 317.80 | 398.20 | 418.00 | 402.00 | 501.60 | | |
| 9 | 300.80 | 255.60 | 170.00 | 178.40 | 353.20 | 406.00 | 1172.00 | 258.80 | 430.00 | 386.80 | 406.00 | 475.60 | | |
| 10 | 338.80 | 278.00 | 184.00 | 252.40 | 356.80 | 375.40 | 1108.00 | 331.60 | 342.40 | 410.00 | 394.40 | 438.00 | | |
| 11 | 367.80 | 268.40 | 172.80 | 220.40 | 281.20 | 402.00 | 1146.00 | 236.40 | 356.80 | 386.80 | 371.60 | 394.40 | | |
| 12 | 375.40 | 265.20 | 164.40 | 207.60 | 274.80 | 446.20 | 1146.00 | 255.60 | 418.00 | 346.00 | 375.40 | 367.80 | | |
| 13 | 335.20 | 258.80 | 311.00 | 195.20 | 268.40 | 852.80 | 1285.00 | 307.60 | 446.20 | 356.80 | 353.20 | 394.40 | | |
| 14 | 307.60 | 233.20 | 246.00 | 186.80 | 278.00 | 733.60 | 1271.00 | 172.80 | 506.00 | 364.00 | 371.60 | 446.20 | | |
| 15 | 324.60 | 249.20 | 265.20 | 186.80 | 265.20 | 678.40 | 1224.00 | 198.00 | 510.40 | 342.40 | 367.80 | 438.00 | | |
| 16 | 314.40 | 297.40 | 258.80 | 181.20 | 230.00 | 624.80 | 1114.00 | 158.80 | 514.80 | 418.00 | 414.00 | 434.00 | | |
| 17 | 356.80 | 304.20 | 249.20 | 204.40 | 307.60 | 602.80 | 638.00 | 210.80 | 394.40 | 371.60 | 398.20 | 454.60 | | |
| 18 | 321.20 | 297.40 | 252.40 | 217.20 | 317.80 | 545.60 | 738.20 | 226.80 | 458.80 | 402.00 | 386.80 | 442.00 | | |
| 19 | 356.80 | 300.80 | 156.00 | 201.20 | 321.20 | 510.40 | 642.40 | 210.80 | 514.80 | 371.60 | 422.00 | 442.00 | | |
| 20 | 335.20 | 324.60 | 297.40 | 242.80 | 317.80 | 426.00 | 536.80 | 265.20 | 492.80 | 426.00 | 410.00 | 383.00 | | |
| 21 | 360.40 | 307.60 | 252.40 | 236.40 | 300.80 | 418.00 | 594.00 | 265.20 | 463.00 | 390.60 | 438.00 | 479.80 | | |
| 22 | 349.60 | 430.00 | 349.60 | 198.00 | 311.00 | 506.00 | 519.20 | 294.00 | 488.40 | 386.80 | 438.00 | 454.60 | | |
| 23 | 324.60 | 545.60 | 331.60 | 198.00 | 307.60 | 580.80 | 514.80 | 278.00 | 458.80 | 406.00 | 390.60 | 458.80 | | |
| 24 | 342.40 | 356.80 | 349.60 | 239.60 | 321.20 | 696.80 | 523.60 | 265.20 | 414.00 | 383.00 | 402.00 | 442.00 | | |
| 25 | 346.00 | 450.40 | 414.00 | 284.40 | 265.20 | 664.60 | 450.40 | 249.20 | 463.00 | 390.60 | 398.20 | 406.00 | | |
| 26 | 335.20 | 442.00 | 471.40 | 220.40 | 268.40 | 857.60 | 402.00 | 284.40 | 458.80 | 406.00 | 414.00 | 402.00 | | |
| 27 | 307.60 | 467.20 | 410.00 | 220.40 | 268.40 | 1292.00 | 364.00 | 304.20 | 394.40 | 410.00 | 418.00 | 442.00 | | |
| 28 | 324.60 | 545.60 | 287.60 | 217.20 | 287.60 | 1562.00 | 335.20 | 265.20 | 446.20 | 379.20 | 422.00 | 383.00 | | |
| 29 | 328.00 | 572.00 | 262.00 | 204.40 | 255.60 | 1278.00 | 364.00 | 294.00 | 434.00 | 406.00 | | 406.00 | | |
| 30 | 287.60 | 479.80 | 236.40 | 201.20 | 252.40 | 946.00 | 338.80 | 297.40 | 467.20 | 418.00 | | 426.00 | | |
| 31 | | 367.80 | | 246.00 | 324.60 | | 364.00 | | 402.00 | 386.80 | | 390.60 | | |
| Total | 9840.60 | 10659.20 | 8106.80 | 6658.00 | 9397.20 | 19552.20 | 25416.80 | 8542.40 | 13436.20 | 12193.60 | 11199.40 | 13361.40 | 148363.80 | CMSDAY |
| Mean | 328.02 | 343.85 | 270.23 | 214.77 | 303.14 | 651.74 | 819.90 | 284.75 | 433.43 | 393.34 | 399.98 | 431.01 | 406.48 | CMS |
| Max | 375.40 | 572.00 | 471.40 | 284.40 | 406.00 | 1562.00 | 1580.00 | 446.20 | 514.80 | 492.80 | 438.00 | 501.60 | 1580.00 | CMS |
| Min | 278.00 | 233.20 | 156.00 | 178.40 | 230.00 | 375.40 | 335.20 | 158.80 | 300.80 | 342.40 | 353.20 | 367.80 | 156.00 | CMS |
| Runoff | 850.23 | 920.95 | 700.43 | 575.25 | 811.92 | 1689.31 | 2196.01 | 738.06 | 1160.89 | 1053.53 | 967.63 | 1154.42 | 12818.63 | MCM |

Momentary Peak 1920.00 CMS. at 107.87 m. (MSL.) at 06.00 Hours , on Oct 7, 2006

Runoff Yield 10.51 Liters/Second/Square KM. Momentary Peak Yield 49.64 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Taeng at Ban Mae Taeng , Chiang Mai (P.4A)

Lat 19 - 07 - 15 N Long 98 - 56 - 53 E

**Location : on right bank at the bridge of Chiang Mai from Fang Highway.**

**Ban** Mae Taeng **Amphoe** Mae Taeng **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 1,930 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +334.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | In the vicinity of Amphoe Mae Taeng office **Elevation** +339.946 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1955 to date |
| **Rating Operation** | |
| **Period of Rating** | 1955 - 1960 , 1967 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1955 - 1960 , 1967 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Mae Taeng weir about 7 kilometers above gage site. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

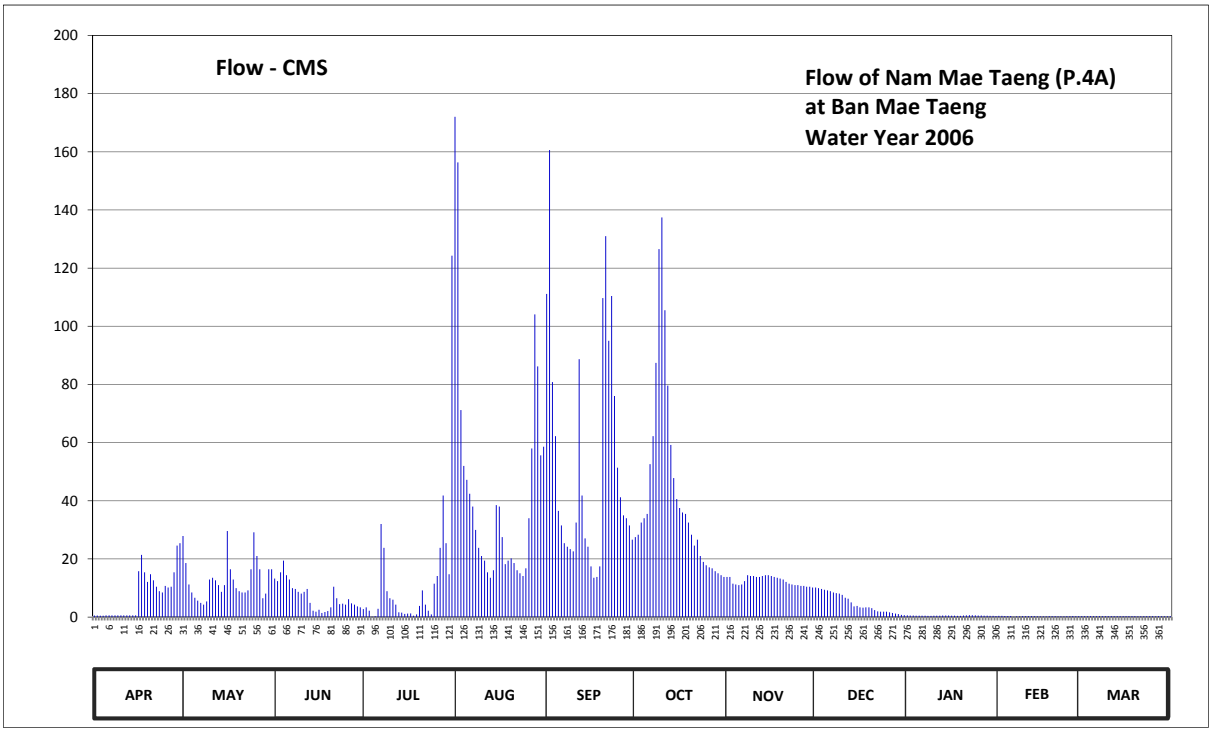
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 334.93 | 335.55 | 335.16 | 334.62 | 337.68 | 336.93 | 335.54 | 335.18 | 335.05 | 334.38 | 334.35 | 334.73 | |
| 2 | 334.92 | 335.32 | 335.13 | 334.67 | 337.51 | 337.56 | 335.56 | 335.18 | 335.04 | 334.37 | 334.35 | 334.73 | |
| 3 | 334.90 | 335.09 | 335.23 | 334.57 | 336.32 | 336.48 | 335.65 | 335.10 | 335.03 | 334.37 | 334.34 | 334.73 | |
| 4 | 334.90 | 334.98 | 335.34 | 334.28 | 336.00 | 336.17 | 335.68 | 335.09 | 335.02 | 334.36 | 334.34 | 334.72 | |
| 5 | 334.99 | 334.89 | 335.20 | 334.32 | 335.92 | 335.73 | 335.71 | 335.08 | 335.01 | 334.36 | 334.34 | 334.73 | |
| 6 | 334.99 | 334.83 | 335.15 | 334.63 | 335.84 | 335.63 | 336.01 | 335.09 | 335.00 | 334.36 | 334.41 | 334.73 | |
| 7 | 334.99 | 334.78 | 335.04 | 335.64 | 335.76 | 335.49 | 336.17 | 335.13 | 334.98 | 334.36 | 334.66 | 334.72 | |
| 8 | 334.99 | 334.74 | 335.03 | 335.45 | 335.60 | 335.46 | 336.59 | 335.20 | 334.97 | 334.35 | 334.68 | 334.70 | |
| 9 | 334.99 | 334.81 | 334.99 | 335.00 | 335.45 | 335.44 | 337.14 | 335.19 | 334.96 | 334.35 | 334.73 | 334.71 | |
| 10 | 334.98 | 335.15 | 334.96 | 334.88 | 335.38 | 335.42 | 337.28 | 335.19 | 334.94 | 334.36 | 334.72 | 334.73 | |
| 11 | 334.98 | 335.17 | 334.99 | 334.85 | 335.34 | 335.65 | 336.85 | 335.18 | 334.89 | 334.36 | 334.71 | 334.75 | |
| 12 | 334.98 | 335.14 | 335.03 | 334.74 | 335.23 | 336.61 | 336.46 | 335.18 | 334.87 | 334.36 | 334.71 | 334.75 | |
| 13 | 334.98 | 335.08 | 334.78 | 334.52 | 335.17 | 335.83 | 336.12 | 335.19 | 334.79 | 334.37 | 334.70 | 334.75 | |
| 14 | 334.99 | 334.99 | 334.57 | 334.51 | 335.25 | 335.53 | 335.93 | 335.20 | 334.70 | 334.37 | 334.69 | 334.75 | |
| 15 | 335.00 | 335.08 | 334.54 | 334.46 | 335.77 | 335.46 | 335.81 | 335.20 | 334.71 | 334.37 | 334.66 | 334.74 | |
| 16 | 335.24 | 335.59 | 334.60 | 334.47 | 335.76 | 335.29 | 335.75 | 335.19 | 334.67 | 334.36 | 334.65 | 334.72 | |
| 17 | 335.39 | 335.26 | 334.50 | 334.48 | 335.54 | 335.17 | 335.72 | 335.18 | 334.66 | 334.36 | 334.69 | 334.71 | |
| 18 | 335.23 | 335.15 | 334.53 | 334.36 | 335.31 | 335.18 | 335.71 | 335.17 | 334.67 | 334.35 | 334.71 | 334.70 | |
| 19 | 335.12 | 335.04 | 334.56 | 334.43 | 335.34 | 335.29 | 335.65 | 335.16 | 334.67 | 334.35 | 334.70 | 334.70 | |
| 20 | 335.21 | 335.00 | 334.67 | 334.71 | 335.36 | 336.91 | 335.56 | 335.15 | 334.65 | 334.37 | 334.70 | 334.69 | |
| 21 | 335.14 | 334.98 | 335.06 | 335.01 | 335.32 | 337.20 | 335.47 | 335.12 | 334.59 | 334.38 | 334.69 | 334.69 | |
| 22 | 335.06 | 334.98 | 334.88 | 334.74 | 335.25 | 336.70 | 335.52 | 335.10 | 334.55 | 334.39 | 334.68 | 334.70 | |
| 23 | 335.00 | 335.01 | 334.75 | 334.57 | 335.22 | 336.92 | 335.38 | 335.09 | 334.54 | 334.39 | 334.69 | 334.71 | |
| 24 | 334.98 | 335.26 | 334.76 | 334.43 | 335.19 | 336.40 | 335.33 | 335.08 | 334.54 | 334.38 | 334.72 | 334.70 | |
| 25 | 335.07 | 335.58 | 334.74 | 335.10 | 335.27 | 335.99 | 335.30 | 335.08 | 334.54 | 334.37 | 334.74 | 334.70 | |
| 26 | 335.05 | 335.38 | 334.86 | 335.19 | 335.68 | 335.82 | 335.28 | 335.07 | 334.52 | 334.37 | 334.76 | 334.69 | |
| 27 | 335.06 | 335.26 | 334.77 | 335.45 | 336.10 | 335.70 | 335.27 | 335.07 | 334.50 | 334.36 | 334.75 | 334.70 | |
| 28 | 335.23 | 334.88 | 334.74 | 335.83 | 336.83 | 335.68 | 335.24 | 335.06 | 334.47 | 334.36 | 334.75 | 334.68 | |
| 29 | 335.47 | 334.96 | 334.70 | 335.49 | 336.57 | 335.63 | 335.22 | 335.06 | 334.45 | 334.35 | | 334.68 | |
| 30 | 335.49 | 335.26 | 334.67 | 335.21 | 336.06 | 335.52 | 335.20 | 335.05 | 334.41 | 334.35 | | 334.67 | |
| 31 | | 335.26 | | 337.11 | 336.11 | | 335.18 | | 334.39 | 334.34 | | 334.66 | |
| Mean | 335.07 | 335.11 | 334.86 | 334.89 | 335.78 | 335.96 | 335.78 | 335.13 | 334.73 | 334.36 | 334.63 | 334.71 | |
| Max | 335.49 | 335.59 | 335.34 | 337.11 | 337.68 | 337.56 | 337.28 | 335.20 | 335.05 | 334.39 | 334.76 | 334.75 | 337.68 |
| Min | 334.90 | 334.74 | 334.50 | 334.28 | 335.17 | 335.17 | 335.18 | 335.05 | 334.39 | 334.34 | 334.34 | 334.66 | 334.28 |

Annual Max Momentary Gage Height 338.09 m. (MSL.) , at 18.00 Hours , on Jul 31, 2006

Zero Gage at Bottom Elevation 334.00 m. (MSL.) , River Bed 334.02 m. (MSL.)

Left Bank Elevation 339.83 m. (MSL.) ,

Right Bank Elevation 339.84 m. (MSL.) , Drainage Are 1,930 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.53 | 27.90 | 13.24 | 2.74 | 172.00 | 111.10 | 27.48 | 13.82 | 10.20 | 0.60 | 0.45 | 0.33 | | |
| 2 | 0.52 | 18.60 | 12.37 | 3.34 | 156.35 | 160.60 | 28.32 | 13.82 | 9.94 | 0.55 | 0.45 | 0.33 | | |
| 3 | 0.50 | 11.24 | 15.42 | 2.17 | 71.20 | 80.80 | 32.50 | 11.50 | 9.68 | 0.55 | 0.40 | 0.33 | | |
| 4 | 0.50 | 8.48 | 19.40 | 0.16 | 52.00 | 62.20 | 34.00 | 11.24 | 9.42 | 0.50 | 0.40 | 0.32 | | |
| 5 | 0.59 | 6.64 | 14.40 | 0.30 | 47.20 | 36.50 | 35.50 | 10.98 | 9.16 | 0.50 | 0.40 | 0.33 | | |
| 6 | 0.59 | 5.68 | 12.95 | 2.86 | 42.40 | 31.50 | 52.60 | 11.24 | 8.90 | 0.50 | 0.11 | 0.33 | | |
| 7 | 0.59 | 4.90 | 9.94 | 32.00 | 38.00 | 25.40 | 62.20 | 12.37 | 8.48 | 0.50 | 0.26 | 0.32 | | |
| 8 | 0.59 | 4.30 | 9.68 | 23.80 | 30.00 | 24.20 | 87.40 | 14.40 | 8.27 | 0.45 | 0.28 | 0.30 | | |
| 9 | 0.59 | 5.36 | 8.69 | 8.90 | 23.80 | 23.40 | 126.50 | 14.11 | 8.06 | 0.45 | 0.33 | 0.31 | | |
| 10 | 0.58 | 12.95 | 8.06 | 6.48 | 21.00 | 22.60 | 137.40 | 14.11 | 7.64 | 0.50 | 0.32 | 0.33 | | |
| 11 | 0.58 | 13.53 | 8.69 | 6.00 | 19.40 | 32.50 | 105.50 | 13.82 | 6.64 | 0.50 | 0.31 | 0.35 | | |
| 12 | 0.58 | 12.66 | 9.68 | 4.30 | 15.42 | 88.70 | 79.60 | 13.82 | 6.32 | 0.50 | 0.31 | 0.35 | | |
| 13 | 0.58 | 10.98 | 4.90 | 1.62 | 13.53 | 41.80 | 59.20 | 14.11 | 5.05 | 0.55 | 0.30 | 0.35 | | |
| 14 | 0.59 | 8.69 | 2.17 | 1.51 | 16.10 | 27.06 | 47.80 | 14.40 | 3.70 | 0.55 | 0.29 | 0.35 | | |
| 15 | 0.60 | 10.98 | 1.84 | 1.12 | 38.50 | 24.20 | 40.60 | 14.40 | 3.85 | 0.55 | 0.26 | 0.34 | | |
| 16 | 15.76 | 29.58 | 2.50 | 1.19 | 38.00 | 17.46 | 37.50 | 14.11 | 3.34 | 0.50 | 0.25 | 0.32 | | |
| 17 | 21.40 | 16.44 | 1.40 | 1.26 | 27.48 | 13.53 | 36.00 | 13.82 | 3.22 | 0.50 | 0.29 | 0.31 | | |
| 18 | 15.42 | 12.95 | 1.73 | 0.50 | 18.20 | 13.82 | 35.50 | 13.53 | 3.34 | 0.45 | 0.31 | 0.30 | | |
| 19 | 12.08 | 9.94 | 2.06 | 0.91 | 19.40 | 17.46 | 32.50 | 13.24 | 3.34 | 0.45 | 0.30 | 0.30 | | |
| 20 | 14.74 | 8.90 | 3.34 | 3.85 | 20.20 | 109.70 | 28.32 | 12.95 | 3.10 | 0.55 | 0.30 | 0.29 | | |
| 21 | 12.66 | 8.48 | 10.46 | 9.16 | 18.60 | 131.00 | 24.60 | 12.08 | 2.39 | 0.60 | 0.29 | 0.29 | | |
| 22 | 10.46 | 8.48 | 6.48 | 4.30 | 16.10 | 95.00 | 26.64 | 11.50 | 1.95 | 0.65 | 0.28 | 0.30 | | |
| 23 | 8.90 | 9.16 | 4.45 | 2.17 | 15.08 | 110.40 | 21.00 | 11.24 | 1.84 | 0.65 | 0.29 | 0.31 | | |
| 24 | 8.48 | 16.44 | 4.60 | 0.91 | 14.11 | 76.00 | 19.00 | 10.98 | 1.84 | 0.60 | 0.32 | 0.30 | | |
| 25 | 10.72 | 29.16 | 4.30 | 11.50 | 16.78 | 51.40 | 17.80 | 10.98 | 1.84 | 0.55 | 0.34 | 0.30 | | |
| 26 | 10.20 | 21.00 | 6.16 | 14.11 | 34.00 | 41.20 | 17.12 | 10.72 | 1.62 | 0.55 | 0.36 | 0.29 | | |
| 27 | 10.46 | 16.44 | 4.75 | 23.80 | 58.00 | 35.00 | 16.78 | 10.72 | 1.40 | 0.50 | 0.35 | 0.30 | | |
| 28 | 15.42 | 6.48 | 4.30 | 41.80 | 104.10 | 34.00 | 15.76 | 10.46 | 1.19 | 0.50 | 0.35 | 0.28 | | |
| 29 | 24.60 | 8.06 | 3.70 | 25.40 | 86.20 | 31.50 | 15.08 | 10.46 | 1.05 | 0.45 | | 0.28 | | |
| 30 | 25.40 | 16.44 | 3.34 | 14.74 | 55.60 | 26.64 | 14.40 | 10.20 | 0.77 | 0.45 | | 0.27 | | |
| 31 | | 16.44 | | 124.25 | 58.60 | | 13.82 | | 0.65 | 0.40 | | 0.26 | | |
| Total | 225.21 | 397.28 | 215.00 | 377.15 | 1357.35 | 1596.67 | 1328.42 | 375.13 | 148.19 | 16.10 | 8.90 | 9.67 | 6055.07 | CMSDAY |
| Mean | 7.51 | 12.82 | 7.17 | 12.17 | 43.79 | 53.22 | 42.85 | 12.50 | 4.78 | 0.52 | 0.32 | 0.31 | 16.59 | CMS |
| Max | 25.40 | 29.58 | 19.40 | 124.25 | 172.00 | 160.60 | 137.40 | 14.40 | 10.20 | 0.65 | 0.45 | 0.35 | 172.00 | CMS |
| Min | 0.50 | 4.30 | 1.40 | 0.16 | 13.53 | 13.53 | 13.82 | 10.20 | 0.65 | 0.40 | 0.11 | 0.26 | 0.11 | CMS |
| Runoff | 19.46 | 34.32 | 18.58 | 32.59 | 117.28 | 137.95 | 114.78 | 32.41 | 12.80 | 1.39 | 0.77 | 0.84 | 523.16 | MCM |

Momentary Peak 217.25 CMS. at 338.09 m. (MSL.) at 18.00 Hours , on Jul 31, 2006

Runoff Yield 8.60 Liters/Second/Square KM. Momentary Peak Yield 112.56 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Kuang at Tha Nang Bridge , Lamphun (P.5)

Lat 18 - 34 - 32 N Long 99 - 00 - 44 E

**Location : on right bank at the bridge of Chiang Mai from Fang Highway.**

**Ban** Tha Nang Bridge **Amphoe** Mueang **Changwat** Lamphun

| | |
|---|---|
| **Drainge Area** | 1,569 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +288.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the gage site. **Elevation** +294.592 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1978 - 1992, 2006 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1978 - 1992, 2006 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1978 - 1992, 2006 to date. |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 38 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

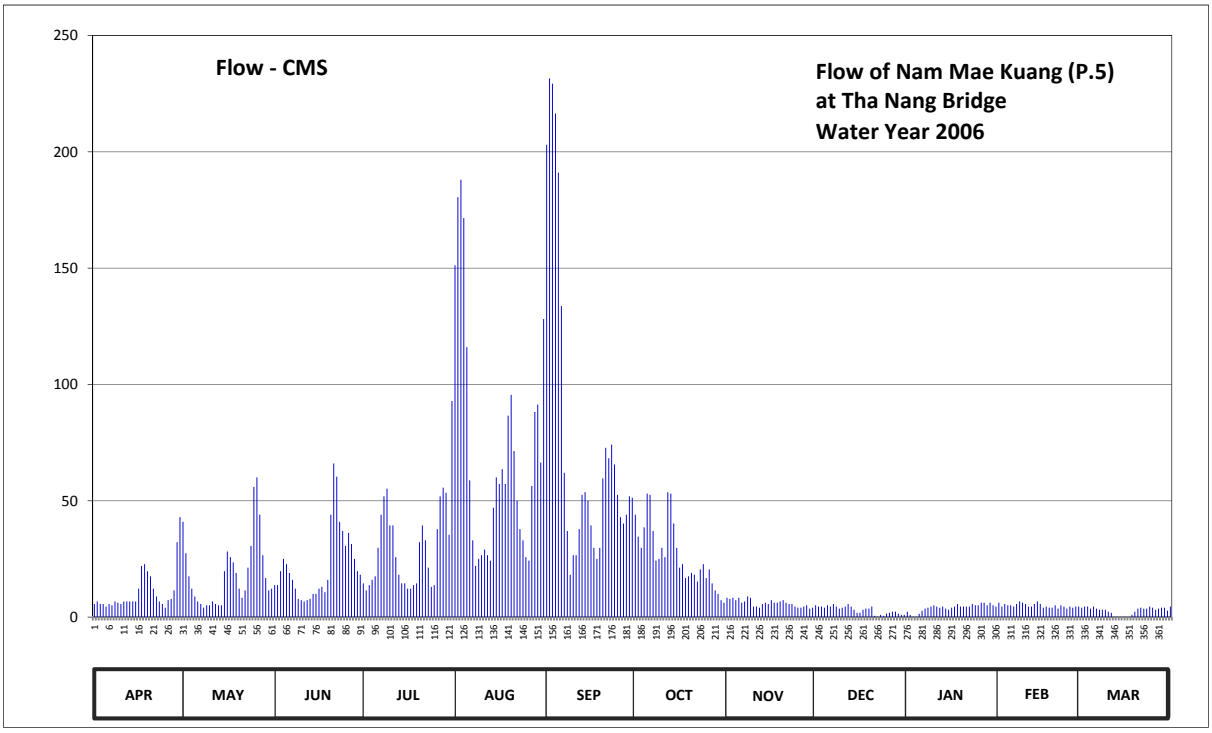
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 291.22 | 291.70 | 291.35 | 291.36 | 293.66 | 294.36 | 291.73 | 291.27 | 291.21 | 291.15 | 291.23 | 291.19 | |
| 2 | 291.24 | 291.53 | 291.35 | 291.32 | 294.06 | 294.74 | 291.62 | 291.26 | 291.20 | 291.12 | 291.20 | 291.20 | |
| 3 | 291.22 | 291.40 | 291.43 | 291.35 | 294.16 | 294.71 | 291.56 | 291.27 | 291.20 | 291.10 | 291.22 | 291.20 | |
| 4 | 291.22 | 291.33 | 291.50 | 291.38 | 293.94 | 294.54 | 291.67 | 291.25 | 291.19 | 291.10 | 291.21 | 291.18 | |
| 5 | 291.20 | 291.28 | 291.47 | 291.40 | 293.15 | 294.20 | 291.87 | 291.27 | 291.21 | 291.13 | 291.21 | 291.20 | |
| 6 | 291.22 | 291.24 | 291.42 | 291.56 | 292.02 | 293.41 | 291.85 | 291.23 | 291.20 | 291.16 | 291.20 | 291.18 | |
| 7 | 291.21 | 291.22 | 291.38 | 291.73 | 291.60 | 292.10 | 291.65 | 291.24 | 291.22 | 291.18 | 291.22 | 291.17 | |
| 8 | 291.24 | 291.19 | 291.33 | 291.83 | 291.46 | 291.65 | 291.49 | 291.28 | 291.20 | 291.19 | 291.24 | 291.17 | |
| 9 | 291.23 | 291.21 | 291.26 | 291.93 | 291.50 | 291.41 | 291.50 | 291.27 | 291.18 | 291.20 | 291.23 | 291.17 | |
| 10 | 291.22 | 291.21 | 291.25 | 291.68 | 291.52 | 291.52 | 291.56 | 291.20 | 291.19 | 291.21 | 291.22 | 291.15 | |
| 11 | 291.24 | 291.24 | 291.24 | 291.68 | 291.55 | 291.52 | 291.51 | 291.20 | 291.20 | 291.20 | 291.20 | 291.14 | |
| 12 | 291.24 | 291.22 | 291.25 | 291.51 | 291.52 | 291.66 | 291.89 | 291.19 | 291.22 | 291.19 | 291.20 | 291.08 | |
| 13 | 291.24 | 291.21 | 291.26 | 291.41 | 291.49 | 291.85 | 291.87 | 291.22 | 291.20 | 291.20 | 291.22 | 291.05 | |
| 14 | 291.24 | 291.21 | 291.30 | 291.36 | 291.76 | 291.89 | 291.69 | 291.23 | 291.17 | 291.18 | 291.24 | 291.05 | |
| 15 | 291.24 | 291.43 | 291.30 | 291.36 | 292.05 | 291.79 | 291.56 | 291.22 | 291.14 | 291.17 | 291.22 | 291.03 | |
| 16 | 291.33 | 291.54 | 291.33 | 291.33 | 291.98 | 291.68 | 291.45 | 291.25 | 291.14 | 291.19 | 291.19 | 291.02 | |
| 17 | 291.46 | 291.51 | 291.34 | 291.33 | 292.14 | 291.56 | 291.47 | 291.23 | 291.17 | 291.20 | 291.20 | 291.07 | |
| 18 | 291.47 | 291.48 | 291.31 | 291.35 | 291.98 | 291.50 | 291.39 | 291.23 | 291.18 | 291.22 | 291.19 | 291.12 | |
| 19 | 291.43 | 291.42 | 291.38 | 291.36 | 292.63 | 291.56 | 291.40 | 291.24 | 291.18 | 291.20 | 291.19 | 291.15 | |
| 20 | 291.40 | 291.33 | 291.73 | 291.59 | 292.80 | 292.04 | 291.42 | 291.25 | 291.20 | 291.20 | 291.21 | 291.18 | |
| 21 | 291.33 | 291.27 | 292.20 | 291.68 | 292.32 | 292.35 | 291.41 | 291.23 | 291.11 | 291.20 | 291.18 | 291.19 | |
| 22 | 291.28 | 291.32 | 292.06 | 291.60 | 291.79 | 292.25 | 291.37 | 291.22 | 291.10 | 291.20 | 291.21 | 291.18 | |
| 23 | 291.24 | 291.45 | 291.70 | 291.45 | 291.66 | 292.38 | 291.44 | 291.22 | 291.12 | 291.22 | 291.20 | 291.18 | |
| 24 | 291.22 | 291.57 | 291.65 | 291.34 | 291.60 | 292.19 | 291.47 | 291.20 | 291.11 | 291.21 | 291.18 | 291.20 | |
| 25 | 291.19 | 291.95 | 291.57 | 291.35 | 291.51 | 291.85 | 291.39 | 291.19 | 291.13 | 291.21 | 291.20 | 291.19 | |
| 26 | 291.25 | 292.05 | 291.64 | 291.66 | 291.49 | 291.72 | 291.44 | 291.19 | 291.14 | 291.23 | 291.19 | 291.17 | |
| 27 | 291.26 | 291.73 | 291.58 | 291.83 | 291.96 | 291.69 | 291.36 | 291.20 | 291.15 | 291.23 | 291.20 | 291.18 | |
| 28 | 291.32 | 291.52 | 291.50 | 291.94 | 292.66 | 291.73 | 291.32 | 291.21 | 291.15 | 291.21 | 291.20 | 291.19 | |
| 29 | 291.59 | 291.39 | 291.43 | 291.88 | 292.72 | 291.83 | 291.30 | 291.18 | 291.13 | 291.23 | | 291.19 | |
| 30 | 291.72 | 291.32 | 291.41 | 291.63 | 292.21 | 291.81 | 291.25 | 291.19 | 291.12 | 291.21 | | 291.16 | |
| 31 | | 291.33 | | 292.75 | 293.33 | | 291.23 | | 291.12 | 291.20 | | 291.20 | |
| Mean | 291.30 | 291.41 | 291.46 | 291.58 | 292.27 | 292.32 | 291.52 | 291.23 | 291.17 | 291.19 | 291.21 | 291.15 | |
| Max | 291.72 | 292.05 | 292.20 | 292.75 | 294.16 | 294.74 | 291.89 | 291.28 | 291.22 | 291.23 | 291.24 | 291.20 | 294.74 |
| Min | 291.19 | 291.19 | 291.24 | 291.32 | 291.46 | 291.41 | 291.23 | 291.18 | 291.10 | 291.10 | 291.18 | 291.02 | 291.02 |

Annual Max Momentary Gage Height 294.80 m. (MSL.) , at 12.00 Hours , on Sep 2, 2006

Zero Gage at Bottom Elevation 288.50 m. (MSL.) , River Bed 289.01 m. (MSL.)

Left Bank Elevation 295.79 m. (MSL.) ,

Right Bank Elevation 295.66 m. (MSL.) , Drainage Are 1,569 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.60 | 41.00 | 13.75 | 14.50 | 151.20 | 203.00 | 44.00 | 8.35 | 5.05 | 2.30 | 6.15 | 4.06 | | |
| 2 | 6.70 | 27.40 | 13.75 | 11.50 | 180.50 | 231.50 | 34.60 | 7.80 | 4.50 | 0.98 | 4.50 | 4.50 | | |
| 3 | 5.60 | 17.50 | 19.75 | 13.75 | 188.00 | 229.25 | 29.80 | 8.35 | 4.50 | 0.10 | 5.60 | 4.50 | | |
| 4 | 5.60 | 12.25 | 25.00 | 16.00 | 171.50 | 216.50 | 38.60 | 7.25 | 4.06 | 0.10 | 5.05 | 3.62 | | |
| 5 | 4.50 | 8.90 | 22.75 | 17.50 | 116.00 | 191.00 | 53.10 | 8.35 | 5.05 | 1.42 | 5.05 | 4.50 | | |
| 6 | 5.60 | 6.70 | 19.00 | 29.80 | 58.80 | 133.70 | 52.50 | 6.15 | 4.50 | 2.74 | 4.50 | 3.62 | | |
| 7 | 5.05 | 5.60 | 16.00 | 44.00 | 33.00 | 62.00 | 37.00 | 6.70 | 5.60 | 3.62 | 5.60 | 3.18 | | |
| 8 | 6.70 | 4.06 | 12.25 | 51.90 | 22.00 | 37.00 | 24.25 | 8.90 | 4.50 | 4.06 | 6.70 | 3.18 | | |
| 9 | 6.15 | 5.05 | 7.80 | 55.20 | 25.00 | 18.25 | 25.00 | 8.35 | 3.62 | 4.50 | 6.15 | 3.18 | | |
| 10 | 5.60 | 5.05 | 7.25 | 39.40 | 26.60 | 26.60 | 29.80 | 4.50 | 4.06 | 5.05 | 5.60 | 2.30 | | |
| 11 | 6.70 | 6.70 | 6.70 | 39.40 | 29.00 | 26.60 | 25.80 | 4.50 | 4.50 | 4.50 | 4.50 | 1.86 | | |
| 12 | 6.70 | 5.60 | 7.25 | 25.80 | 26.60 | 37.80 | 53.70 | 4.06 | 5.60 | 4.06 | 4.50 | 0.09 | | |
| 13 | 6.70 | 5.05 | 7.80 | 18.25 | 24.25 | 52.50 | 53.10 | 5.60 | 4.50 | 4.50 | 5.60 | 0.08 | | |
| 14 | 6.70 | 5.05 | 10.00 | 14.50 | 47.00 | 53.70 | 40.20 | 6.15 | 3.18 | 3.62 | 6.70 | 0.08 | | |
| 15 | 6.70 | 19.75 | 10.00 | 14.50 | 60.00 | 50.00 | 29.80 | 5.60 | 1.86 | 3.18 | 5.60 | 0.07 | | |
| 16 | 12.25 | 28.20 | 12.25 | 12.25 | 57.20 | 39.40 | 21.25 | 7.25 | 1.86 | 4.06 | 4.06 | 0.06 | | |
| 17 | 22.00 | 25.80 | 13.00 | 12.25 | 63.60 | 29.80 | 22.75 | 6.15 | 3.18 | 4.50 | 4.50 | 0.09 | | |
| 18 | 22.75 | 23.50 | 10.75 | 13.75 | 57.20 | 25.00 | 16.75 | 6.15 | 3.62 | 5.60 | 4.06 | 0.98 | | |
| 19 | 19.75 | 19.00 | 16.00 | 14.50 | 86.58 | 29.80 | 17.50 | 6.70 | 3.62 | 4.50 | 4.06 | 2.30 | | |
| 20 | 17.50 | 12.25 | 44.00 | 32.20 | 95.50 | 59.60 | 19.00 | 7.25 | 4.50 | 4.50 | 5.05 | 3.62 | | |
| 21 | 12.25 | 8.35 | 66.00 | 39.40 | 71.40 | 72.75 | 18.25 | 6.15 | 0.54 | 4.50 | 3.62 | 4.06 | | |
| 22 | 8.90 | 11.50 | 60.40 | 33.00 | 50.00 | 68.25 | 15.25 | 5.60 | 0.10 | 4.50 | 5.05 | 3.62 | | |
| 23 | 6.70 | 21.25 | 41.00 | 21.25 | 37.80 | 74.10 | 20.50 | 5.60 | 0.98 | 5.60 | 4.50 | 3.62 | | |
| 24 | 5.60 | 30.60 | 37.00 | 13.00 | 33.00 | 65.60 | 22.75 | 4.50 | 0.54 | 5.05 | 3.62 | 4.50 | | |
| 25 | 4.06 | 56.00 | 30.60 | 13.75 | 25.80 | 52.50 | 16.75 | 4.06 | 1.42 | 5.05 | 4.50 | 4.06 | | |
| 26 | 7.25 | 60.00 | 36.20 | 37.80 | 24.25 | 43.00 | 20.50 | 4.06 | 1.86 | 6.15 | 4.06 | 3.18 | | |
| 27 | 7.80 | 44.00 | 31.40 | 51.90 | 56.40 | 40.20 | 14.50 | 4.50 | 2.30 | 6.15 | 4.50 | 3.62 | | |
| 28 | 11.50 | 26.60 | 25.00 | 55.60 | 88.15 | 44.00 | 11.50 | 5.05 | 2.30 | 5.05 | 4.50 | 4.06 | | |
| 29 | 32.20 | 16.75 | 19.75 | 53.40 | 91.30 | 51.90 | 10.00 | 3.62 | 1.42 | 6.15 | | 4.06 | | |
| 30 | 43.00 | 11.50 | 18.25 | 35.40 | 66.45 | 51.30 | 7.25 | 4.06 | 0.98 | 5.05 | | 2.74 | | |
| 31 | | 12.25 | | 92.88 | 128.10 | | 6.15 | | 0.98 | 4.50 | | 4.50 | | |
| Total | 324.11 | 583.21 | 660.65 | 938.33 | 2192.18 | 2316.60 | 831.90 | 181.31 | 95.28 | 125.64 | 137.88 | 87.89 | 8474.98 | CMSDAY |
| Mean | 10.80 | 18.81 | 22.02 | 30.27 | 70.72 | 77.22 | 26.84 | 6.04 | 3.07 | 4.05 | 4.92 | 2.84 | 23.22 | CMS |
| Max | 43.00 | 60.00 | 66.00 | 92.88 | 188.00 | 231.50 | 53.70 | 8.90 | 5.60 | 6.15 | 6.70 | 4.50 | 231.50 | CMS |
| Min | 4.06 | 4.06 | 6.70 | 11.50 | 22.00 | 18.25 | 6.15 | 3.62 | 0.10 | 0.10 | 3.62 | 0.06 | 0.06 | CMS |
| Runoff | 28.00 | 50.39 | 57.08 | 81.07 | 189.40 | 200.15 | 71.88 | 15.67 | 8.23 | 10.86 | 11.91 | 7.59 | 732.24 | MCM |

Momentary Peak 236.00 CMS. at 294.80 m. (MSL.) at 12.00 Hours , on Sep 2, 2006

Runoff Yield 14.80 Liters/Second/Square KM. Momentary Peak Yield 150.41 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Huai Yang , Kamphaeng Phet (P.7A)

Lat 16 - 28 - 41 N Long 99 - 31 - 19 E

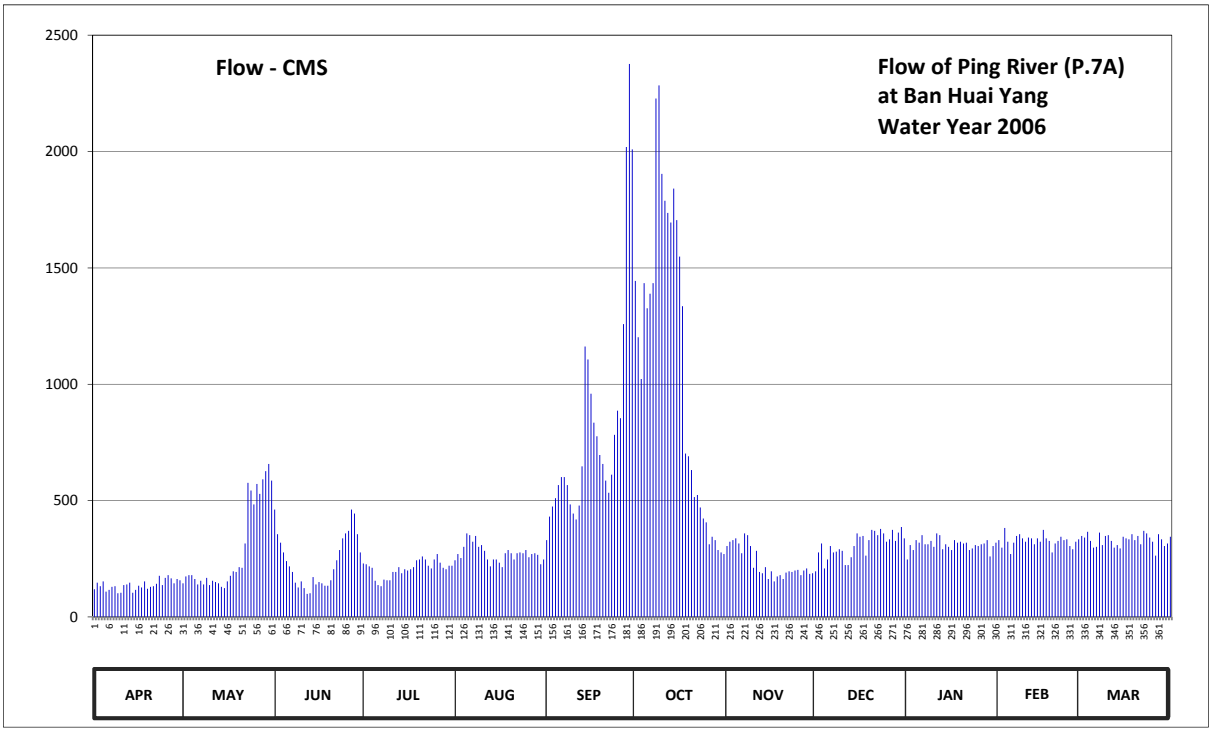
**Location : on left bank about 100 meters upstream from the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Huai Yang | **Amphoe** Mueang | **Changwat** Kamphaeng Phet |
| **Drainge Area** | 42,464 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +71.730 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the gage observers house. | | **Elevation** +77.717 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1960 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1960 - 1961 , 1967 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1960 - 1961 , 1967 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records very good. Flow regulated by Phumiphol Dam reservior above gage site. | | |
| | Stage-discharge relation defined by 40 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72.31 | 72.41 | 73.33 | 72.71 | 72.75 | 73.00 | 74.82 | 72.93 | 72.60 | 72.76 | 73.00 | 73.05 | |
| 2 | 72.42 | 72.52 | 73.07 | 72.70 | 72.83 | 73.26 | 74.54 | 72.98 | 72.85 | 72.94 | 72.91 | 73.03 | |
| 3 | 72.36 | 72.54 | 72.97 | 72.67 | 72.78 | 73.36 | 74.31 | 73.00 | 72.96 | 72.88 | 73.14 | 73.10 | |
| 4 | 72.44 | 72.54 | 72.85 | 72.65 | 72.92 | 73.44 | 74.81 | 73.02 | 72.64 | 73.00 | 72.98 | 72.99 | |
| 5 | 72.27 | 72.48 | 72.74 | 72.45 | 73.08 | 73.56 | 74.69 | 72.96 | 72.76 | 72.97 | 72.83 | 72.91 | |
| 6 | 72.30 | 72.39 | 72.67 | 72.38 | 73.06 | 73.63 | 74.76 | 72.84 | 72.93 | 73.06 | 72.97 | 72.92 | |
| 7 | 72.35 | 72.45 | 72.59 | 72.36 | 72.98 | 73.63 | 74.81 | 73.08 | 72.85 | 72.95 | 73.05 | 73.09 | |
| 8 | 72.36 | 72.39 | 72.42 | 72.47 | 73.05 | 73.56 | 75.58 | 73.06 | 72.86 | 72.95 | 73.07 | 72.94 | |
| 9 | 72.24 | 72.50 | 72.34 | 72.46 | 72.92 | 73.38 | 75.63 | 72.93 | 72.89 | 72.99 | 73.02 | 73.05 | |
| 10 | 72.25 | 72.38 | 72.44 | 72.46 | 72.94 | 73.29 | 75.28 | 72.65 | 72.87 | 72.92 | 72.98 | 73.06 | |
| 11 | 72.38 | 72.45 | 72.33 | 72.59 | 72.87 | 73.23 | 75.17 | 72.87 | 72.69 | 73.08 | 73.03 | 72.99 | |
| 12 | 72.39 | 72.43 | 72.23 | 72.59 | 72.76 | 73.37 | 75.12 | 72.59 | 72.69 | 73.06 | 73.02 | 72.91 | |
| 13 | 72.42 | 72.41 | 72.24 | 72.66 | 72.67 | 73.72 | 75.08 | 72.57 | 72.79 | 72.89 | 72.95 | 72.94 | |
| 14 | 72.25 | 72.35 | 72.51 | 72.57 | 72.76 | 74.49 | 75.22 | 72.66 | 72.93 | 72.95 | 73.02 | 72.90 | |
| 15 | 72.30 | 72.33 | 72.39 | 72.63 | 72.76 | 74.42 | 75.09 | 72.48 | 73.08 | 72.92 | 72.98 | 73.04 | |
| 16 | 72.37 | 72.44 | 72.43 | 72.61 | 72.72 | 74.22 | 74.93 | 72.60 | 73.04 | 72.88 | 73.12 | 73.02 | |
| 17 | 72.34 | 72.53 | 72.41 | 72.63 | 72.66 | 74.03 | 74.70 | 72.44 | 73.05 | 73.00 | 73.02 | 73.01 | |
| 18 | 72.44 | 72.60 | 72.37 | 72.66 | 72.84 | 73.94 | 73.82 | 72.52 | 72.81 | 72.97 | 72.99 | 73.07 | |
| 19 | 72.32 | 72.59 | 72.37 | 72.75 | 72.88 | 73.81 | 73.80 | 72.54 | 73.00 | 72.98 | 72.85 | 73.00 | |
| 20 | 72.35 | 72.66 | 72.46 | 72.76 | 72.84 | 73.74 | 73.69 | 72.48 | 73.12 | 72.96 | 72.96 | 73.05 | |
| 21 | 72.36 | 72.65 | 72.63 | 72.80 | 72.76 | 73.60 | 73.45 | 72.58 | 73.11 | 72.97 | 72.99 | 72.95 | |
| 22 | 72.40 | 72.96 | 72.75 | 72.76 | 72.84 | 73.49 | 73.47 | 72.60 | 73.06 | 72.88 | 73.04 | 73.11 | |
| 23 | 72.53 | 73.58 | 72.88 | 72.68 | 72.85 | 73.65 | 73.35 | 72.59 | 73.13 | 72.90 | 73.00 | 73.08 | |
| 24 | 72.38 | 73.51 | 73.02 | 72.64 | 72.84 | 73.95 | 73.24 | 72.61 | 73.08 | 72.94 | 73.01 | 73.03 | |
| 25 | 72.50 | 73.38 | 73.08 | 72.76 | 72.88 | 74.11 | 73.20 | 72.62 | 72.98 | 72.93 | 72.93 | 72.98 | |
| 26 | 72.54 | 73.57 | 73.11 | 72.83 | 72.79 | 74.06 | 72.95 | 72.54 | 73.01 | 72.95 | 72.89 | 72.81 | |
| 27 | 72.49 | 73.48 | 73.33 | 72.72 | 72.83 | 74.61 | 73.04 | 72.61 | 73.12 | 72.96 | 72.98 | 73.07 | |
| 28 | 72.41 | 73.61 | 73.29 | 72.65 | 72.84 | 75.39 | 73.00 | 72.64 | 72.99 | 73.00 | 73.01 | 73.01 | |
| 29 | 72.48 | 73.68 | 73.07 | 72.63 | 72.82 | 75.71 | 72.88 | 72.56 | 73.09 | 72.80 | | 72.93 | |
| 30 | 72.46 | 73.74 | 72.85 | 72.68 | 72.70 | 75.38 | 72.85 | 72.57 | 73.15 | 72.93 | | 72.96 | |
| 31 | | 73.60 | | 72.68 | 72.76 | | 72.83 | | 73.02 | 72.97 | | 73.04 | |
| Mean | 72.38 | 72.81 | 72.71 | 72.63 | 72.84 | 73.90 | 74.20 | 72.70 | 72.94 | 72.95 | 72.99 | 73.00 | |
| Max | 72.54 | 73.74 | 73.33 | 72.83 | 73.08 | 75.71 | 75.63 | 73.08 | 73.15 | 73.08 | 73.14 | 73.11 | 75.71 |
| Min | 72.24 | 72.33 | 72.23 | 72.36 | 72.66 | 73.00 | 72.83 | 72.44 | 72.60 | 72.76 | 72.83 | 72.81 | 72.23 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 75.81 | m. (MSL.) , | at 06.00 Hours , on Oct 9, 2006 | | |
| Zero Gage at Bottom Elevation | 71.73 | m. (MSL.) , | River Bed | 70.58 | m. (MSL.) |
| Left Bank Elevation | 82.44 | m. (MSL.) , | | | |
| Right Bank Elevation | 84.56 | m. (MSL.) , | Drainage Are | 42,464 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 118.60 | 144.60 | 461.20 | 229.40 | 243.00 | 330.00 | 1444.00 | 304.80 | 196.00 | 246.40 | 330.00 | 348.00 | | |
| 2 | 147.20 | 173.60 | 355.20 | 226.00 | 270.20 | 431.20 | 1202.00 | 322.80 | 277.00 | 308.40 | 297.60 | 340.80 | | |
| 3 | 131.60 | 179.20 | 319.20 | 217.00 | 253.20 | 474.40 | 1022.50 | 330.00 | 315.60 | 287.20 | 382.00 | 366.00 | | |
| 4 | 152.40 | 179.20 | 277.00 | 211.00 | 301.20 | 510.40 | 1434.50 | 337.20 | 208.00 | 330.00 | 322.80 | 326.40 | | |
| 5 | 108.80 | 162.80 | 239.60 | 155.00 | 358.80 | 566.80 | 1326.50 | 315.60 | 246.40 | 319.20 | 270.20 | 297.60 | | |
| 6 | 116.00 | 139.40 | 217.00 | 136.80 | 351.60 | 601.00 | 1389.00 | 273.60 | 304.80 | 351.60 | 319.20 | 301.20 | | |
| 7 | 129.00 | 155.00 | 193.20 | 131.60 | 322.80 | 601.00 | 1434.50 | 358.80 | 277.00 | 312.00 | 348.00 | 362.40 | | |
| 8 | 131.60 | 139.40 | 147.20 | 160.20 | 348.00 | 566.80 | 2228.00 | 351.60 | 280.40 | 312.00 | 355.20 | 308.40 | | |
| 9 | 101.60 | 168.00 | 126.40 | 157.60 | 301.20 | 483.20 | 2284.50 | 304.80 | 290.60 | 326.40 | 337.20 | 348.00 | | |
| 10 | 104.00 | 136.80 | 152.40 | 157.60 | 308.40 | 443.80 | 1904.00 | 211.00 | 283.80 | 301.20 | 322.80 | 351.60 | | |
| 11 | 136.80 | 155.00 | 123.80 | 193.20 | 283.80 | 418.60 | 1788.50 | 283.80 | 223.00 | 358.80 | 340.80 | 326.40 | | |
| 12 | 139.40 | 149.80 | 99.20 | 193.20 | 246.40 | 478.80 | 1736.00 | 193.20 | 223.00 | 351.60 | 337.20 | 297.60 | | |
| 13 | 147.20 | 144.60 | 101.60 | 214.00 | 217.00 | 646.80 | 1695.00 | 187.60 | 256.60 | 290.60 | 312.00 | 308.40 | | |
| 14 | 104.00 | 129.00 | 170.80 | 187.60 | 246.40 | 1162.00 | 1841.00 | 214.00 | 304.80 | 312.00 | 337.20 | 294.00 | | |
| 15 | 116.00 | 123.80 | 139.40 | 205.00 | 246.40 | 1106.00 | 1705.00 | 162.80 | 358.80 | 301.20 | 322.80 | 344.40 | | |
| 16 | 134.20 | 152.40 | 149.80 | 199.00 | 232.80 | 959.00 | 1548.50 | 196.00 | 344.40 | 287.20 | 374.00 | 337.20 | | |
| 17 | 126.40 | 176.40 | 144.60 | 205.00 | 214.00 | 834.50 | 1335.00 | 152.40 | 348.00 | 330.00 | 337.20 | 333.60 | | |
| 18 | 152.40 | 196.00 | 134.20 | 214.00 | 273.60 | 776.00 | 702.00 | 173.60 | 263.40 | 319.20 | 326.40 | 355.20 | | |
| 19 | 121.20 | 193.20 | 134.20 | 243.00 | 287.20 | 696.00 | 690.00 | 179.20 | 330.00 | 322.80 | 277.00 | 330.00 | | |
| 20 | 129.00 | 214.00 | 157.60 | 246.40 | 273.60 | 657.60 | 631.00 | 162.80 | 374.00 | 315.60 | 315.60 | 348.00 | | |
| 21 | 131.60 | 211.00 | 205.00 | 260.00 | 246.40 | 586.00 | 515.00 | 190.40 | 370.00 | 319.20 | 326.40 | 312.00 | | |
| 22 | 142.00 | 315.60 | 243.00 | 246.40 | 273.60 | 533.40 | 524.20 | 196.00 | 351.60 | 287.20 | 344.40 | 370.00 | | |
| 23 | 176.40 | 576.40 | 287.20 | 220.00 | 277.00 | 611.00 | 470.00 | 193.20 | 378.00 | 294.00 | 330.00 | 358.80 | | |
| 24 | 136.80 | 542.80 | 337.20 | 208.00 | 273.60 | 782.50 | 422.80 | 199.00 | 358.80 | 308.40 | 333.60 | 340.80 | | |
| 25 | 168.00 | 483.20 | 358.80 | 246.40 | 287.20 | 886.50 | 406.00 | 202.00 | 322.80 | 304.80 | 304.80 | 322.80 | | |
| 26 | 179.20 | 571.60 | 370.00 | 270.20 | 256.60 | 854.00 | 312.00 | 179.20 | 333.60 | 312.00 | 290.60 | 263.40 | | |
| 27 | 165.40 | 528.80 | 461.20 | 232.80 | 270.20 | 1258.50 | 344.40 | 199.00 | 374.00 | 315.60 | 322.80 | 355.20 | | |
| 28 | 144.60 | 591.00 | 443.80 | 211.00 | 273.60 | 2019.50 | 330.00 | 208.00 | 326.40 | 330.00 | 333.60 | 333.60 | | |
| 29 | 162.80 | 626.00 | 355.20 | 205.00 | 266.80 | 2376.50 | 287.20 | 184.80 | 362.40 | 260.00 | | 304.80 | | |
| 30 | 157.60 | 657.60 | 277.00 | 220.00 | 226.00 | 2009.00 | 277.00 | 187.60 | 386.00 | 304.80 | | 315.60 | | |
| 31 | | 586.00 | | 220.00 | 246.40 | | 270.20 | | 337.20 | 319.20 | | 344.40 | | |
| Total | 4111.80 | 8902.20 | 7182.00 | 6422.40 | 8477.00 | 24660.80 | 33500.30 | 6954.80 | 9606.40 | 9638.60 | 9151.40 | 10246.60 | 138854.30 | CMSDAY |
| Mean | 137.06 | 287.17 | 239.40 | 207.17 | 273.45 | 822.03 | 1080.65 | 231.83 | 309.88 | 310.92 | 326.84 | 330.54 | 380.42 | CMS |
| Max | 179.20 | 657.60 | 461.20 | 270.20 | 358.80 | 2376.50 | 2284.50 | 358.80 | 386.00 | 358.80 | 382.00 | 370.00 | 2376.50 | CMS |
| Min | 101.60 | 123.80 | 99.20 | 131.60 | 214.00 | 330.00 | 270.20 | 152.40 | 196.00 | 246.40 | 270.20 | 263.40 | 99.20 | CMS |
| Runoff | 355.26 | 769.15 | 620.52 | 554.90 | 732.41 | 2130.69 | 2894.43 | 600.89 | 829.99 | 832.78 | 790.68 | 885.31 | 11997.01 | MCM |

Momentary Peak 2491.99 CMS. at 75.81 m. (MSL.) at 06.00 Hours , on Oct 9, 2006

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Yanree , Tak (P.12C)

Lat 17 - 14 - 17 N Long 99 - 01 - 32 E

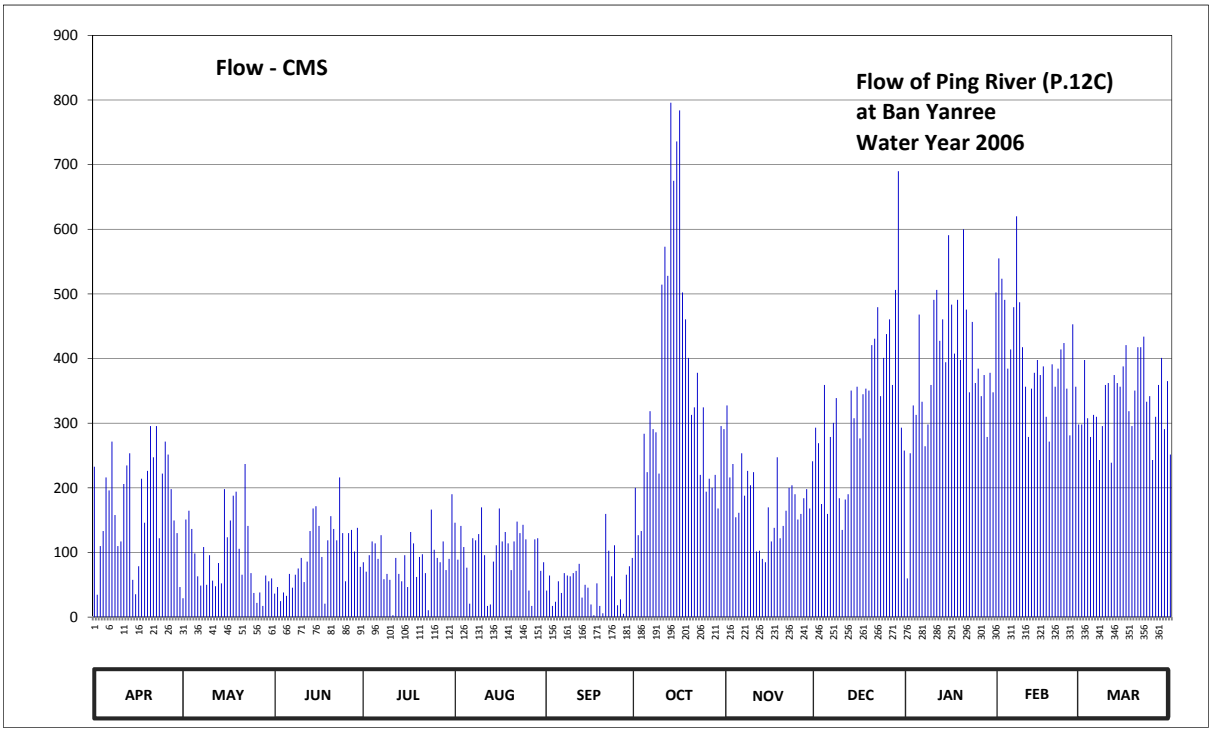
**Location : on right bank about 3 kilometers from Phumiphol Dam reservoir.**

| | | | |
|---|---|---|---|
| | **Ban** Yanree | **Amphoe** Sam Ngao | **Changwat** Tak |
| **Drainge Area** | 26,241 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +129.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the pier of the bridge. | | **Elevation** +136.995 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1995 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records very good. Flow regulated by Phumiphol Dam reservior downstream from the gage site. Stage-discharge relation defined by 31 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 131.06 | 129.68 | 129.76 | 130.19 | 130.60 | 129.81 | 130.90 | 131.46 | 131.33 | 129.98 | 132.10 | 131.35 | |
| 2 | 129.74 | 130.63 | 129.86 | 130.07 | 130.22 | 130.02 | 130.48 | 130.98 | 131.23 | 131.16 | 132.03 | 131.69 | |
| 3 | 130.37 | 130.71 | 129.63 | 130.27 | 130.57 | 129.52 | 130.52 | 131.08 | 130.77 | 131.46 | 131.95 | 131.39 | |
| 4 | 130.52 | 130.54 | 129.78 | 130.42 | 130.36 | 129.62 | 131.29 | 130.65 | 131.57 | 131.41 | 131.65 | 131.27 | |
| 5 | 130.98 | 130.29 | 129.72 | 130.40 | 130.12 | 129.94 | 131.02 | 130.69 | 130.68 | 131.89 | 131.74 | 131.41 | |
| 6 | 130.88 | 130.01 | 130.04 | 130.23 | 129.58 | 129.77 | 131.43 | 131.16 | 131.27 | 131.48 | 131.92 | 131.40 | |
| 7 | 131.24 | 129.88 | 129.85 | 130.48 | 130.45 | 130.05 | 131.32 | 130.84 | 131.36 | 131.21 | 132.24 | 131.11 | |
| 8 | 130.67 | 130.36 | 130.03 | 129.97 | 130.43 | 130.02 | 131.30 | 131.03 | 131.50 | 131.35 | 131.94 | 131.34 | |
| 9 | 130.37 | 129.89 | 130.11 | 130.04 | 130.49 | 130.01 | 131.01 | 130.92 | 130.82 | 131.57 | 131.75 | 131.57 | |
| 10 | 130.42 | 130.27 | 130.24 | 129.96 | 130.74 | 130.05 | 132.01 | 131.02 | 130.53 | 131.95 | 131.56 | 131.58 | |
| 11 | 130.93 | 129.95 | 129.93 | 129.19 | 130.27 | 130.08 | 132.14 | 130.31 | 130.81 | 131.99 | 131.27 | 131.09 | |
| 12 | 131.07 | 129.87 | 130.20 | 130.24 | 129.52 | 130.17 | 132.04 | 130.32 | 130.85 | 131.78 | 131.55 | 131.62 | |
| 13 | 131.16 | 130.18 | 130.52 | 130.04 | 129.56 | 129.69 | 132.56 | 130.23 | 131.54 | 131.87 | 131.63 | 131.58 | |
| 14 | 129.96 | 129.91 | 130.73 | 129.94 | 130.20 | 129.89 | 132.35 | 130.19 | 131.39 | 131.68 | 131.69 | 131.56 | |
| 15 | 129.75 | 130.89 | 130.75 | 130.27 | 130.38 | 129.85 | 132.46 | 130.74 | 131.56 | 132.18 | 131.62 | 131.66 | |
| 16 | 130.14 | 130.46 | 130.57 | 129.86 | 130.73 | 129.56 | 132.54 | 130.42 | 131.26 | 131.93 | 131.66 | 131.76 | |
| 17 | 130.97 | 130.62 | 130.25 | 130.51 | 130.42 | 129.20 | 131.98 | 130.55 | 131.52 | 131.72 | 131.40 | 131.43 | |
| 18 | 130.60 | 130.84 | 129.58 | 130.40 | 130.51 | 129.91 | 131.87 | 131.13 | 131.55 | 131.95 | 131.24 | 131.34 | |
| 19 | 131.03 | 130.87 | 130.43 | 130.00 | 130.40 | 129.52 | 131.70 | 130.45 | 131.54 | 131.69 | 131.67 | 131.54 | |
| 20 | 131.34 | 130.34 | 130.66 | 130.25 | 130.09 | 129.28 | 131.41 | 130.57 | 131.76 | 132.20 | 131.56 | 131.75 | |
| 21 | 131.13 | 130.03 | 130.54 | 130.28 | 130.42 | 130.68 | 131.45 | 130.71 | 131.79 | 131.91 | 131.65 | 131.75 | |
| 22 | 131.34 | 131.08 | 130.43 | 130.05 | 130.61 | 130.32 | 131.63 | 130.90 | 131.92 | 131.53 | 131.74 | 131.80 | |
| 23 | 130.45 | 130.57 | 130.98 | 129.41 | 130.50 | 130.01 | 131.00 | 130.92 | 131.51 | 131.86 | 131.77 | 131.48 | |
| 24 | 131.01 | 130.05 | 130.50 | 130.72 | 130.58 | 130.38 | 131.45 | 130.85 | 131.70 | 131.58 | 131.55 | 131.51 | |
| 25 | 131.24 | 129.77 | 129.94 | 130.33 | 130.44 | 129.54 | 130.87 | 130.63 | 131.81 | 131.65 | 131.28 | 131.11 | |
| 26 | 131.15 | 129.60 | 130.50 | 130.24 | 129.81 | 129.66 | 130.97 | 130.68 | 131.87 | 131.51 | 131.85 | 131.40 | |
| 27 | 130.89 | 129.78 | 130.53 | 130.19 | 129.52 | 129.26 | 130.90 | 130.82 | 131.57 | 131.62 | 131.56 | 131.57 | |
| 28 | 130.62 | 129.52 | 130.31 | 130.42 | 130.44 | 130.03 | 131.00 | 130.89 | 131.99 | 131.27 | 131.35 | 131.70 | |
| 29 | 130.50 | 130.02 | 130.55 | 130.09 | 130.45 | 130.14 | 130.73 | 130.73 | 132.38 | 131.63 | | 131.32 | |
| 30 | 129.86 | 129.94 | 130.13 | 130.23 | 130.08 | 130.24 | 131.34 | 131.10 | 131.33 | 131.53 | | 131.59 | |
| 31 | | 129.98 | | 130.85 | 130.19 | | 131.32 | | 131.18 | 131.98 | | 131.15 | |
| Mean | 130.71 | 130.21 | 130.24 | 130.18 | 130.28 | 129.87 | 131.45 | 130.77 | 131.42 | 131.63 | 131.68 | 131.48 | |
| Max | 131.34 | 131.08 | 130.98 | 130.85 | 130.74 | 130.68 | 132.56 | 131.46 | 132.38 | 132.20 | 132.24 | 131.80 | 132.56 |
| Min | 129.74 | 129.52 | 129.58 | 129.19 | 129.52 | 129.20 | 130.48 | 130.19 | 130.53 | 129.98 | 131.24 | 131.09 | 129.19 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 133.40 | m. (MSL.) , | at 15.00 Hours , on Mar 12, 2006 | | |
| Zero Gage at Bottom Elevation | 129.00 | m. (MSL.) , | River Bed | 128.01 | m. (MSL.) |
| Left Bank Elevation | 133.33 | m. (MSL.) , | | | |
| Right Bank Elevation | 132.81 | m. (MSL.) , | Drainage Are | 26,241 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 232.60 | 29.20 | 36.40 | 84.80 | 146.00 | 41.10 | 200.00 | 327.40 | 293.20 | 59.80 | 555.00 | 298.00 | | |
| 2 | 34.60 | 151.10 | 46.60 | 70.40 | 88.80 | 64.40 | 126.80 | 216.00 | 269.20 | 253.60 | 523.50 | 397.70 | | |
| 3 | 109.80 | 164.70 | 24.70 | 95.80 | 141.20 | 17.20 | 133.20 | 236.80 | 174.90 | 327.40 | 491.00 | 307.60 | | |
| 4 | 133.20 | 136.40 | 38.20 | 117.20 | 108.40 | 23.80 | 283.60 | 154.50 | 359.30 | 312.90 | 384.50 | 278.80 | | |
| 5 | 216.00 | 98.60 | 32.80 | 114.00 | 76.40 | 55.40 | 224.20 | 161.30 | 159.60 | 468.20 | 414.20 | 312.90 | | |
| 6 | 196.00 | 63.20 | 66.80 | 90.20 | 20.80 | 37.30 | 318.70 | 253.60 | 278.80 | 333.20 | 479.60 | 310.00 | | |
| 7 | 271.60 | 48.80 | 45.50 | 126.80 | 122.00 | 68.00 | 290.80 | 188.00 | 300.40 | 264.40 | 620.00 | 243.10 | | |
| 8 | 157.90 | 108.40 | 65.60 | 58.70 | 118.80 | 64.40 | 286.00 | 226.30 | 339.00 | 298.00 | 487.20 | 295.60 | | |
| 9 | 109.80 | 49.90 | 75.20 | 66.80 | 128.40 | 63.20 | 222.10 | 204.00 | 184.00 | 359.30 | 417.50 | 359.30 | | |
| 10 | 117.20 | 95.80 | 91.60 | 57.60 | 169.80 | 68.00 | 514.50 | 224.20 | 134.80 | 491.00 | 356.40 | 362.20 | | |
| 11 | 206.00 | 56.50 | 54.30 | 2.85 | 95.80 | 71.60 | 573.00 | 101.40 | 182.00 | 506.20 | 278.80 | 238.90 | | |
| 12 | 234.70 | 47.70 | 86.00 | 91.60 | 17.20 | 82.40 | 528.00 | 102.80 | 190.00 | 427.40 | 353.50 | 374.60 | | |
| 13 | 253.60 | 83.60 | 133.20 | 66.80 | 19.60 | 30.10 | 796.00 | 90.20 | 350.60 | 460.60 | 377.90 | 362.20 | | |
| 14 | 57.60 | 52.10 | 168.10 | 55.40 | 86.00 | 49.90 | 675.00 | 84.80 | 307.60 | 394.40 | 397.70 | 356.40 | | |
| 15 | 35.50 | 198.00 | 171.50 | 95.80 | 111.20 | 45.50 | 736.00 | 169.80 | 356.40 | 591.00 | 374.60 | 387.80 | | |
| 16 | 78.80 | 123.60 | 141.20 | 46.60 | 168.10 | 19.60 | 784.00 | 117.20 | 276.40 | 483.40 | 387.80 | 420.80 | | |
| 17 | 214.00 | 149.40 | 93.00 | 131.60 | 117.20 | 3.00 | 502.40 | 138.00 | 344.80 | 407.60 | 310.00 | 318.70 | | |
| 18 | 146.00 | 188.00 | 20.80 | 114.00 | 131.60 | 52.10 | 460.60 | 247.30 | 353.50 | 491.00 | 271.60 | 295.60 | | |
| 19 | 226.30 | 194.00 | 118.80 | 62.00 | 114.00 | 17.20 | 401.00 | 122.00 | 350.60 | 397.70 | 391.10 | 350.60 | | |
| 20 | 295.60 | 105.60 | 156.20 | 93.00 | 72.80 | 5.80 | 312.90 | 141.20 | 420.80 | 600.00 | 356.40 | 417.50 | | |
| 21 | 247.30 | 65.60 | 136.40 | 97.20 | 117.20 | 159.60 | 324.50 | 164.70 | 430.70 | 475.80 | 384.50 | 417.50 | | |
| 22 | 295.60 | 236.80 | 118.80 | 68.00 | 147.70 | 102.80 | 377.90 | 200.00 | 479.60 | 347.70 | 414.20 | 434.00 | | |
| 23 | 122.00 | 141.20 | 216.00 | 10.60 | 130.00 | 63.20 | 220.00 | 204.00 | 341.90 | 456.80 | 424.10 | 333.20 | | |
| 24 | 222.10 | 68.00 | 130.00 | 166.40 | 142.80 | 111.20 | 324.50 | 190.00 | 401.00 | 362.20 | 353.50 | 341.90 | | |
| 25 | 271.60 | 37.30 | 55.40 | 104.20 | 120.40 | 18.40 | 194.00 | 151.10 | 437.80 | 384.50 | 281.20 | 243.10 | | |
| 26 | 251.50 | 22.00 | 130.00 | 91.60 | 41.10 | 27.40 | 214.00 | 159.60 | 460.60 | 341.90 | 453.00 | 310.00 | | |
| 27 | 198.00 | 38.20 | 134.80 | 84.80 | 17.20 | 5.10 | 200.00 | 184.00 | 359.30 | 374.60 | 356.40 | 359.30 | | |
| 28 | 149.40 | 17.20 | 101.40 | 117.20 | 120.40 | 65.60 | 220.00 | 198.00 | 506.20 | 278.80 | 298.00 | 401.00 | | |
| 29 | 130.00 | 64.40 | 138.00 | 72.80 | 122.00 | 78.80 | 168.10 | 168.10 | 690.00 | 377.90 | | 290.80 | | |
| 30 | 46.60 | 55.40 | 77.60 | 90.20 | 71.60 | 91.60 | 295.60 | 241.00 | 293.20 | 347.70 | | 365.10 | | |
| 31 | | 59.80 | | 190.00 | 84.80 | | 290.80 | | 257.80 | 502.40 | | 251.50 | | |
| Total | 5260.90 | 2950.50 | 2904.90 | 2734.95 | 3169.30 | 1603.70 | 11198.20 | 5367.30 | 10284.00 | 12177.40 | 11193.20 | 10435.70 | 79280.05 | CMSDAY |
| Mean | 175.36 | 95.18 | 96.83 | 88.22 | 102.24 | 53.46 | 361.23 | 178.91 | 331.74 | 392.82 | 399.76 | 336.64 | 217.21 | CMS |
| Max | 295.60 | 236.80 | 216.00 | 190.00 | 169.80 | 159.60 | 796.00 | 327.40 | 690.00 | 600.00 | 620.00 | 434.00 | 796.00 | CMS |
| Min | 34.60 | 17.20 | 20.80 | 2.85 | 17.20 | 3.00 | 126.80 | 84.80 | 134.80 | 59.80 | 271.60 | 238.90 | 2.85 | CMS |
| Runoff | 454.54 | 254.92 | 250.98 | 236.30 | 273.83 | 138.56 | 967.52 | 463.73 | 888.54 | 1052.13 | 967.09 | 901.64 | 6849.80 | MCM |

Momentary Peak 1406.00 CMS. at 133.40 m. (MSL.) at 15.00 Hours , on Mar 12, 2006

Runoff Yield 8.28 Liters/Second/Square KM. Momentary Peak Yield 53.58 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Chaem at Kaeng Ob Luang, Chiang Mai (P.14)

Lat 18 - 13 - 50 N Long 98 - 33 - 38 E

**Location : on right bank near the bridge of Hot - Mae Sariang Highway at guidepost 7+500.**

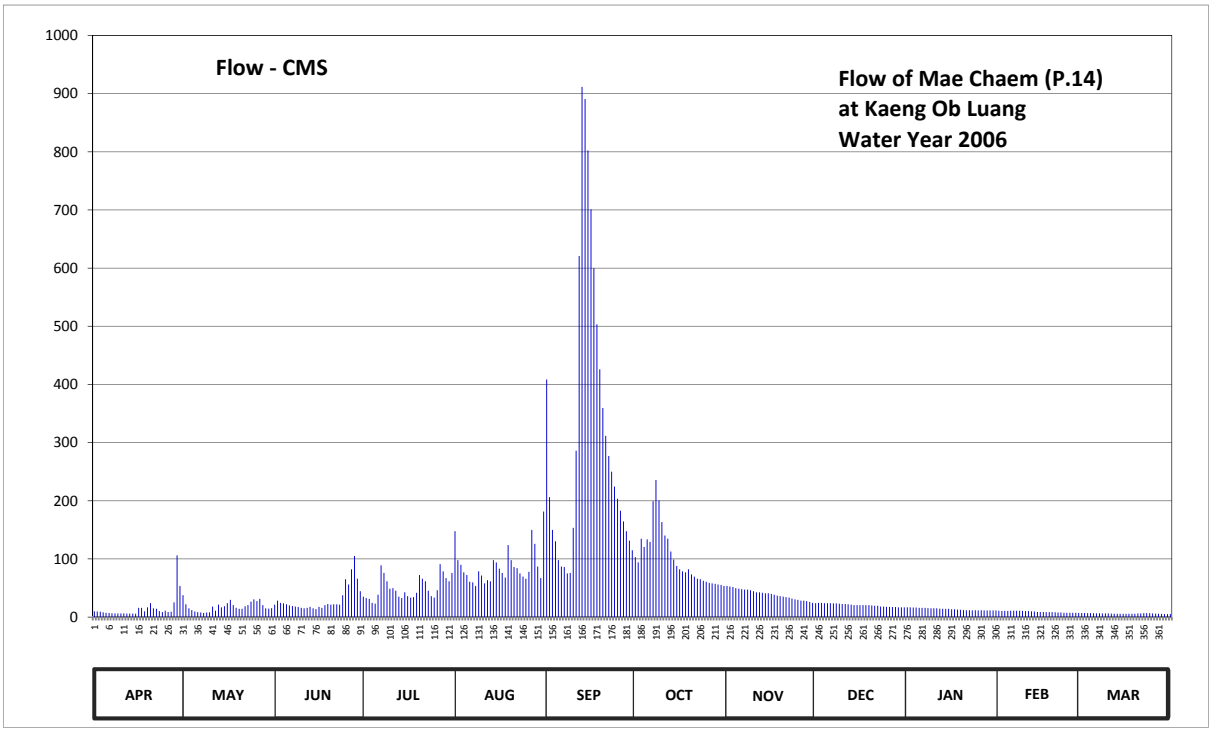
**Ban** - **Amphoe** Hot **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 3,836 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +275.800 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | about 10 meters in front of automatic gage building. **Elevation** +286.077 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00, and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1953 to date |
| **Rating Operation** | |
| **Period of Rating** | 1954 - 1960, 1967 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1954 - 1960, 1967 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +284.670 m.(MSL.) and is including overbank flow. |
| **General Description** | Records fair. The concrete weir situated about 6 kilometers downstream from the gage site. Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 278.57 | 279.07 | 278.84 | 279.04 | 280.18 | 281.95 | 279.78 | 279.25 | 278.89 | 278.74 | 278.60 | 278.48 | |
| 2 | 278.56 | 278.85 | 278.95 | 279.01 | 279.73 | 280.63 | 279.69 | 279.24 | 278.90 | 278.74 | 278.59 | 278.48 | |
| 3 | 278.55 | 278.70 | 278.90 | 278.99 | 279.65 | 280.20 | 280.07 | 279.23 | 278.90 | 278.73 | 278.59 | 278.47 | |
| 4 | 278.52 | 278.63 | 278.88 | 278.90 | 279.51 | 280.03 | 279.94 | 279.21 | 278.89 | 278.73 | 278.59 | 278.47 | |
| 5 | 278.50 | 278.56 | 278.85 | 278.87 | 279.46 | 279.73 | 280.06 | 279.20 | 278.89 | 278.72 | 278.60 | 278.46 | |
| 6 | 278.48 | 278.53 | 278.81 | 279.08 | 279.33 | 279.62 | 280.02 | 279.19 | 278.89 | 278.72 | 278.60 | 278.46 | |
| 7 | 278.46 | 278.51 | 278.79 | 279.64 | 279.32 | 279.61 | 280.58 | 279.18 | 278.88 | 278.72 | 278.60 | 278.46 | |
| 8 | 278.45 | 278.49 | 278.77 | 279.50 | 279.25 | 279.49 | 280.84 | 279.18 | 278.88 | 278.71 | 278.60 | 278.45 | |
| 9 | 278.45 | 278.51 | 278.75 | 279.34 | 279.53 | 279.50 | 280.59 | 279.17 | 278.87 | 278.70 | 278.59 | 278.45 | |
| 10 | 278.45 | 278.52 | 278.72 | 279.20 | 279.45 | 280.23 | 280.31 | 279.15 | 278.86 | 278.70 | 278.58 | 278.45 | |
| 11 | 278.45 | 278.77 | 278.70 | 279.21 | 279.30 | 281.18 | 280.12 | 279.13 | 278.86 | 278.70 | 278.58 | 278.44 | |
| 12 | 278.44 | 278.60 | 278.72 | 279.16 | 279.36 | 283.12 | 280.07 | 279.13 | 278.85 | 278.69 | 278.57 | 278.43 | |
| 13 | 278.44 | 278.84 | 278.76 | 279.04 | 279.34 | 284.56 | 279.87 | 279.12 | 278.84 | 278.68 | 278.56 | 278.43 | |
| 14 | 278.44 | 278.74 | 278.70 | 279.01 | 279.73 | 284.46 | 279.74 | 279.11 | 278.82 | 278.68 | 278.54 | 278.43 | |
| 15 | 278.43 | 278.78 | 278.67 | 279.13 | 279.69 | 284.04 | 279.63 | 279.11 | 278.82 | 278.68 | 278.54 | 278.43 | |
| 16 | 278.72 | 278.89 | 278.76 | 279.05 | 279.58 | 283.54 | 279.57 | 279.10 | 278.82 | 278.66 | 278.54 | 278.43 | |
| 17 | 278.72 | 278.97 | 278.72 | 279.02 | 279.50 | 283.01 | 279.53 | 279.08 | 278.82 | 278.66 | 278.53 | 278.43 | |
| 18 | 278.57 | 278.82 | 278.82 | 279.03 | 279.41 | 282.48 | 279.51 | 279.06 | 278.82 | 278.65 | 278.53 | 278.43 | |
| 19 | 278.74 | 278.72 | 278.86 | 279.12 | 279.97 | 282.05 | 279.57 | 279.05 | 278.82 | 278.64 | 278.53 | 278.43 | |
| 20 | 278.89 | 278.68 | 278.84 | 279.46 | 279.73 | 281.66 | 279.47 | 279.04 | 278.81 | 278.63 | 278.52 | 278.45 | |
| 21 | 278.70 | 278.68 | 278.85 | 279.39 | 279.61 | 281.35 | 279.43 | 279.03 | 278.80 | 278.62 | 278.51 | 278.45 | |
| 22 | 278.68 | 278.78 | 278.85 | 279.34 | 279.59 | 281.12 | 279.39 | 279.02 | 278.80 | 278.62 | 278.51 | 278.47 | |
| 23 | 278.58 | 278.82 | 278.84 | 279.16 | 279.49 | 280.94 | 279.38 | 279.00 | 278.77 | 278.61 | 278.50 | 278.47 | |
| 24 | 278.54 | 278.93 | 279.07 | 279.05 | 279.43 | 280.76 | 279.35 | 278.98 | 278.77 | 278.62 | 278.50 | 278.47 | |
| 25 | 278.60 | 278.98 | 279.38 | 279.02 | 279.39 | 280.61 | 279.33 | 278.97 | 278.76 | 278.61 | 278.50 | 278.45 | |
| 26 | 278.54 | 278.94 | 279.28 | 279.17 | 279.52 | 280.46 | 279.31 | 278.95 | 278.76 | 278.62 | 278.50 | 278.44 | |
| 27 | 278.55 | 278.99 | 279.57 | 279.66 | 280.20 | 280.32 | 279.30 | 278.95 | 278.75 | 278.61 | 278.50 | 278.43 | |
| 28 | 278.91 | 278.82 | 279.80 | 279.53 | 279.99 | 280.18 | 279.29 | 278.94 | 278.75 | 278.61 | 278.48 | 278.42 | |
| 29 | 279.81 | 278.70 | 279.39 | 279.40 | 279.62 | 280.04 | 279.28 | 278.92 | 278.74 | 278.61 | | 278.41 | |
| 30 | 279.25 | 278.69 | 279.15 | 279.34 | 279.40 | 279.89 | 279.27 | 278.90 | 278.74 | 278.61 | | 278.41 | |
| 31 | | 278.71 | | 279.50 | 280.45 | | 279.25 | | 278.74 | 278.61 | | 278.41 | |
| Mean | 278.63 | 278.75 | 278.93 | 279.21 | 279.60 | 281.23 | 279.73 | 279.09 | 278.82 | 278.67 | 278.55 | 278.44 | |
| Max | 279.81 | 279.07 | 279.80 | 279.66 | 280.45 | 284.56 | 280.84 | 279.25 | 278.90 | 278.74 | 278.60 | 278.48 | 284.56 |
| Min | 278.43 | 278.49 | 278.67 | 278.87 | 279.25 | 279.49 | 279.25 | 278.90 | 278.74 | 278.61 | 278.48 | 278.41 | 278.41 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 284.70 | m. (MSL.) , | at 12.00 Hours , on Sep 13, 2006 | | |
| Zero Gage at Bottom Elevation | 275.80 | m. (MSL.) , | River Bed | 277.88 | m. (MSL) |
| Left Bank Elevation | 284.66 | m. (MSL.) , | | | |
| Right Bank Elevation | 285.92 | m. (MSL.) , | Drainage Are | 3,836 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.95 | 37.60 | 21.50 | 35.20 | 147.60 | 408.50 | 103.00 | 53.50 | 24.00 | 16.80 | 11.00 | 7.00 | | |
| 2 | 9.60 | 22.00 | 28.25 | 32.80 | 98.00 | 206.20 | 94.00 | 52.60 | 24.50 | 16.80 | 10.65 | 7.00 | | |
| 3 | 9.25 | 15.00 | 24.50 | 31.25 | 90.00 | 150.00 | 134.70 | 51.70 | 24.50 | 16.35 | 10.65 | 6.75 | | |
| 4 | 8.20 | 12.20 | 23.50 | 24.50 | 76.90 | 130.30 | 120.40 | 49.90 | 24.00 | 16.35 | 10.65 | 6.75 | | |
| 5 | 7.50 | 9.60 | 22.00 | 23.00 | 72.40 | 98.00 | 133.60 | 49.00 | 24.00 | 15.90 | 11.00 | 6.50 | | |
| 6 | 7.00 | 8.55 | 20.00 | 38.40 | 60.70 | 87.00 | 129.20 | 48.10 | 24.00 | 15.90 | 11.00 | 6.50 | | |
| 7 | 6.50 | 7.85 | 19.05 | 89.00 | 59.80 | 86.00 | 199.20 | 47.20 | 23.50 | 15.90 | 11.00 | 6.50 | | |
| 8 | 6.25 | 7.25 | 18.15 | 76.00 | 53.50 | 75.10 | 235.60 | 47.20 | 23.50 | 15.45 | 11.00 | 6.25 | | |
| 9 | 6.25 | 7.85 | 17.25 | 61.60 | 78.70 | 76.00 | 200.60 | 46.30 | 23.00 | 15.00 | 10.65 | 6.25 | | |
| 10 | 6.25 | 8.20 | 15.90 | 49.00 | 71.50 | 153.60 | 163.30 | 44.50 | 22.50 | 15.00 | 10.30 | 6.25 | | |
| 11 | 6.25 | 18.15 | 15.00 | 49.90 | 58.00 | 286.00 | 140.40 | 42.70 | 22.50 | 15.00 | 10.30 | 6.00 | | |
| 12 | 6.00 | 11.00 | 15.90 | 45.40 | 63.40 | 620.80 | 134.70 | 42.70 | 22.00 | 14.60 | 9.95 | 5.75 | | |
| 13 | 6.00 | 21.50 | 17.70 | 35.20 | 61.60 | 911.60 | 112.70 | 41.80 | 21.50 | 14.20 | 9.60 | 5.75 | | |
| 14 | 6.00 | 16.80 | 15.00 | 32.80 | 98.00 | 890.60 | 99.00 | 40.90 | 20.50 | 14.20 | 8.90 | 5.75 | | |
| 15 | 5.75 | 18.60 | 13.80 | 42.70 | 94.00 | 802.40 | 88.00 | 40.90 | 20.50 | 14.20 | 8.90 | 5.75 | | |
| 16 | 15.90 | 24.00 | 17.70 | 36.00 | 83.20 | 701.00 | 82.30 | 40.00 | 20.50 | 13.40 | 8.90 | 5.75 | | |
| 17 | 15.90 | 29.75 | 15.90 | 33.60 | 76.00 | 599.90 | 78.70 | 38.40 | 20.50 | 13.40 | 8.55 | 5.75 | | |
| 18 | 9.95 | 20.50 | 20.50 | 34.40 | 67.90 | 503.40 | 76.90 | 36.80 | 20.50 | 13.00 | 8.55 | 5.75 | | |
| 19 | 16.80 | 15.90 | 22.50 | 41.80 | 123.70 | 426.00 | 82.30 | 36.00 | 20.50 | 12.60 | 8.55 | 5.75 | | |
| 20 | 24.00 | 14.20 | 21.50 | 72.40 | 98.00 | 359.60 | 73.30 | 35.20 | 20.00 | 12.20 | 8.20 | 6.25 | | |
| 21 | 15.00 | 14.20 | 22.00 | 66.10 | 86.00 | 311.50 | 69.70 | 34.40 | 19.50 | 11.80 | 7.85 | 6.25 | | |
| 22 | 14.20 | 18.60 | 22.00 | 61.60 | 84.10 | 277.00 | 66.10 | 33.60 | 19.50 | 11.80 | 7.85 | 6.75 | | |
| 23 | 10.30 | 20.50 | 21.50 | 45.40 | 75.10 | 250.00 | 65.20 | 32.00 | 18.15 | 11.40 | 7.50 | 6.75 | | |
| 24 | 8.90 | 26.75 | 37.60 | 36.00 | 69.70 | 224.40 | 62.50 | 30.50 | 18.15 | 11.80 | 7.50 | 6.75 | | |
| 25 | 11.00 | 30.50 | 65.20 | 33.60 | 66.10 | 203.40 | 60.70 | 29.75 | 17.70 | 11.40 | 7.50 | 6.25 | | |
| 26 | 8.90 | 27.50 | 56.20 | 46.30 | 77.80 | 182.80 | 58.90 | 28.25 | 17.70 | 11.80 | 7.50 | 6.00 | | |
| 27 | 9.25 | 31.25 | 82.30 | 91.00 | 150.00 | 164.60 | 58.00 | 28.25 | 17.25 | 11.40 | 7.50 | 5.75 | | |
| 28 | 25.25 | 20.50 | 105.00 | 78.70 | 125.90 | 147.60 | 57.10 | 27.50 | 17.25 | 11.40 | 7.00 | 5.50 | | |
| 29 | 106.10 | 15.00 | 66.10 | 67.00 | 87.00 | 131.40 | 56.20 | 26.00 | 16.80 | 11.40 | | 5.25 | | |
| 30 | 53.50 | 14.60 | 44.50 | 61.60 | 67.00 | 114.90 | 55.30 | 24.50 | 16.80 | 11.40 | | 5.25 | | |
| 31 | | 15.45 | | 76.00 | 181.50 | | 53.50 | | 16.80 | 11.40 | | 5.25 | | |
| Total | 451.70 | 561.35 | 908.00 | 1548.25 | 2703.10 | 9579.60 | 3145.10 | 1180.15 | 642.10 | 423.25 | 258.50 | 189.75 | 21590.85 | CMSDAY |
| Mean | 15.06 | 18.11 | 30.27 | 49.94 | 87.20 | 319.32 | 101.45 | 39.34 | 20.71 | 13.65 | 9.23 | 6.12 | 59.15 | CMS |
| Max | 106.10 | 37.60 | 105.00 | 91.00 | 181.50 | 911.60 | 235.60 | 53.50 | 24.50 | 16.80 | 11.00 | 7.00 | 911.60 | CMS |
| Min | 5.75 | 7.25 | 13.80 | 23.00 | 53.50 | 75.10 | 53.50 | 24.50 | 16.80 | 11.40 | 7.00 | 5.25 | 5.25 | CMS |
| Runoff | 39.03 | 48.50 | 78.45 | 133.77 | 233.55 | 827.68 | 271.74 | 101.96 | 55.48 | 36.57 | 22.33 | 16.39 | 1865.45 | MCM |

Momentary Peak 941.01 CMS. at 284.70 m. (MSL.) at 12.00 Hours , on Sep 13, 2006

Runoff Yield 15.35 Liters/Second/Square KM. Momentary Peak Yield 244.23 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Wat Sri Phirom , Kamphaeng Phet (P.15)

Lat 16 - 12 - 52 N Long 99 - 43 - 24 E

**Location : on right bank in front of Amphoe Khlong Khlung Office.**

**Ban** Wat Sri Phirom **Amphoe** Khlong Khlung **Changwat** Kamphaeng Phet

| | |
|---|---|
| **Drainge Area** | 44,461 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +51.555 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 30 meters from the south of Wat Sri Phirom. **Elevation** +56.617 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1964 - 1974 , 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1964 - 1974 , 1997 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records very good. Stage-discharge relation defined by 41 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

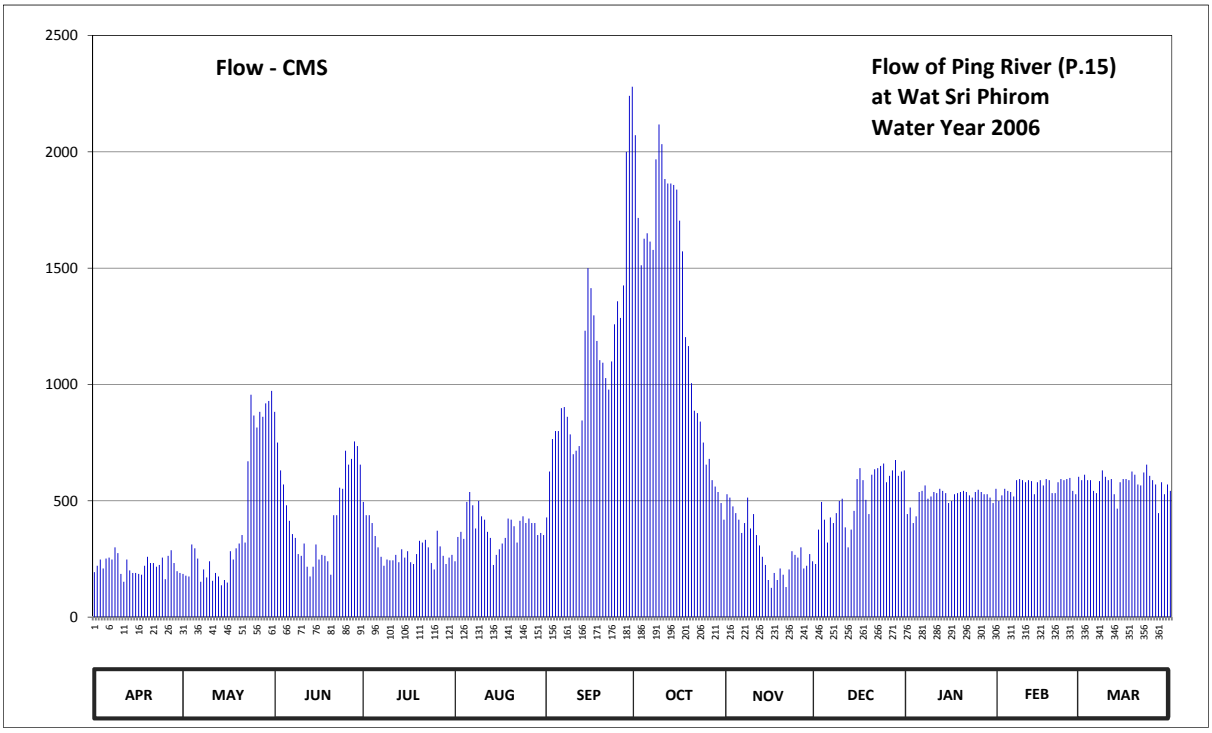
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 52.79 | 52.77 | 54.28 | 53.49 | 52.91 | 53.34 | 56.31 | 53.56 | 52.88 | 53.37 | 53.50 | 53.69 | |
| 2 | 52.85 | 52.74 | 54.02 | 53.37 | 53.16 | 53.77 | 55.76 | 53.53 | 53.24 | 53.44 | 53.55 | 53.74 | |
| 3 | 52.93 | 52.74 | 53.78 | 53.36 | 53.22 | 54.05 | 55.41 | 53.44 | 53.49 | 53.29 | 53.61 | 53.68 | |
| 4 | 52.83 | 53.09 | 53.64 | 53.29 | 53.15 | 54.12 | 55.60 | 53.39 | 53.33 | 53.35 | 53.58 | 53.68 | |
| 5 | 52.94 | 53.04 | 53.46 | 53.18 | 53.48 | 54.12 | 55.65 | 53.32 | 53.10 | 53.57 | 53.58 | 53.59 | |
| 6 | 52.95 | 52.93 | 53.32 | 53.06 | 53.58 | 54.31 | 55.59 | 53.20 | 53.34 | 53.58 | 53.54 | 53.56 | |
| 7 | 52.93 | 52.68 | 53.20 | 52.96 | 53.46 | 54.32 | 55.52 | 53.29 | 53.30 | 53.63 | 53.68 | 53.67 | |
| 8 | 53.05 | 52.82 | 53.15 | 52.86 | 53.25 | 54.23 | 56.14 | 53.52 | 53.39 | 53.52 | 53.69 | 53.78 | |
| 9 | 53.00 | 52.73 | 52.99 | 52.92 | 53.50 | 54.08 | 56.38 | 53.25 | 53.49 | 53.53 | 53.69 | 53.71 | |
| 10 | 52.77 | 52.91 | 52.96 | 52.92 | 53.35 | 53.91 | 56.24 | 53.38 | 53.51 | 53.58 | 53.66 | 53.69 | |
| 11 | 52.68 | 52.68 | 53.10 | 52.92 | 53.33 | 53.94 | 56.02 | 53.18 | 53.26 | 53.57 | 53.68 | 53.69 | |
| 12 | 52.93 | 52.78 | 52.85 | 52.97 | 53.22 | 53.99 | 55.98 | 53.08 | 53.06 | 53.61 | 53.68 | 53.56 | |
| 13 | 52.81 | 52.73 | 52.74 | 52.89 | 53.16 | 54.20 | 55.98 | 52.95 | 53.23 | 53.58 | 53.56 | 53.43 | |
| 14 | 52.78 | 52.63 | 52.84 | 53.03 | 52.86 | 54.92 | 55.98 | 52.87 | 53.41 | 53.57 | 53.67 | 53.66 | |
| 15 | 52.77 | 52.69 | 53.09 | 52.95 | 52.97 | 55.39 | 55.94 | 52.69 | 53.69 | 53.48 | 53.69 | 53.70 | |
| 16 | 52.77 | 52.67 | 52.92 | 53.02 | 53.04 | 55.25 | 55.74 | 52.61 | 53.79 | 53.50 | 53.64 | 53.70 | |
| 17 | 52.75 | 53.02 | 52.97 | 52.90 | 53.10 | 55.04 | 55.52 | 52.78 | 53.69 | 53.56 | 53.70 | 53.69 | |
| 18 | 52.86 | 52.92 | 52.97 | 52.88 | 53.15 | 54.84 | 54.87 | 52.70 | 53.51 | 53.56 | 53.68 | 53.77 | |
| 19 | 52.95 | 53.04 | 52.91 | 52.99 | 53.34 | 54.69 | 54.80 | 52.83 | 53.38 | 53.58 | 53.57 | 53.73 | |
| 20 | 52.89 | 53.10 | 52.76 | 53.12 | 53.33 | 54.67 | 54.51 | 52.75 | 53.73 | 53.59 | 53.57 | 53.65 | |
| 21 | 52.89 | 53.18 | 53.37 | 53.11 | 53.27 | 54.54 | 54.28 | 52.62 | 53.79 | 53.58 | 53.67 | 53.64 | |
| 22 | 52.85 | 53.10 | 53.36 | 53.14 | 53.10 | 54.46 | 54.27 | 52.81 | 53.80 | 53.55 | 53.70 | 53.75 | |
| 23 | 52.87 | 53.86 | 53.62 | 53.06 | 53.32 | 54.67 | 54.20 | 53.01 | 53.82 | 53.53 | 53.69 | 53.83 | |
| 24 | 52.95 | 54.42 | 53.60 | 52.88 | 53.35 | 54.97 | 54.02 | 52.98 | 53.83 | 53.58 | 53.70 | 53.73 | |
| 25 | 52.71 | 54.24 | 53.95 | 52.81 | 53.30 | 55.15 | 53.83 | 52.95 | 53.67 | 53.60 | 53.71 | 53.69 | |
| 26 | 52.96 | 54.15 | 53.83 | 53.23 | 53.33 | 55.01 | 53.88 | 53.06 | 53.72 | 53.57 | 53.59 | 53.65 | |
| 27 | 53.02 | 54.27 | 53.87 | 53.06 | 53.30 | 55.27 | 53.68 | 52.83 | 53.78 | 53.56 | 53.56 | 53.39 | |
| 28 | 52.89 | 54.23 | 54.03 | 52.96 | 53.30 | 56.20 | 53.63 | 52.85 | 53.87 | 53.56 | 53.72 | 53.67 | |
| 29 | 52.80 | 54.35 | 53.98 | 52.88 | 53.18 | 56.57 | 53.58 | 52.99 | 53.73 | 53.53 | | 53.56 | |
| 30 | 52.77 | 54.37 | 53.82 | 52.95 | 53.20 | 56.63 | 53.48 | 52.91 | 53.76 | 53.47 | | 53.64 | |
| 31 | | 54.44 | | 52.98 | 53.19 | | 53.33 | | 53.78 | 53.61 | | 53.58 | |
| Mean | 52.86 | 53.27 | 53.38 | 53.04 | 53.24 | 54.69 | 55.04 | 53.04 | 53.53 | 53.54 | 53.64 | 53.66 | |
| Max | 53.05 | 54.44 | 54.28 | 53.49 | 53.58 | 56.63 | 56.38 | 53.56 | 53.87 | 53.63 | 53.72 | 53.83 | 56.63 |
| Min | 52.68 | 52.63 | 52.74 | 52.81 | 52.86 | 53.34 | 53.33 | 52.61 | 52.88 | 53.29 | 53.50 | 53.39 | 52.61 |

Annual Max Momentary Gage Height 56.65 m. (MSL.) , at 18.00 Hours , on Sep 30, 2006

Zero Gage at Bottom Elevation 51.56 m. (MSL.) , River Bed 50.72 m. (MSL.)

Left Bank Elevation 57.48 m. (MSL.) ,

Right Bank Elevation 57.53 m. (MSL.) , Drainage Are 44,461 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 193.25 | 185.75 | 882.00 | 494.75 | 239.90 | 428.25 | 2071.50 | 528.00 | 228.20 | 442.50 | 499.50 | 588.85 | | |
| 2 | 220.40 | 178.25 | 750.00 | 437.75 | 344.70 | 626.05 | 1716.00 | 513.75 | 376.00 | 471.00 | 523.25 | 612.10 | | |
| 3 | 247.70 | 174.50 | 630.70 | 437.75 | 366.50 | 765.00 | 1512.00 | 475.75 | 494.75 | 404.50 | 551.65 | 588.85 | | |
| 4 | 208.70 | 311.90 | 570.25 | 404.50 | 336.50 | 800.00 | 1626.00 | 447.25 | 418.75 | 433.00 | 542.25 | 588.85 | | |
| 5 | 251.60 | 295.50 | 480.50 | 348.80 | 494.75 | 800.00 | 1650.00 | 418.75 | 320.10 | 537.50 | 537.50 | 542.25 | | |
| 6 | 255.50 | 251.60 | 414.00 | 299.60 | 537.50 | 897.75 | 1614.00 | 361.75 | 428.25 | 542.25 | 518.50 | 532.75 | | |
| 7 | 247.70 | 152.00 | 357.00 | 259.40 | 480.50 | 903.00 | 1578.00 | 404.50 | 404.50 | 565.60 | 588.85 | 584.20 | | |
| 8 | 299.60 | 204.80 | 340.60 | 220.40 | 380.75 | 861.00 | 1967.50 | 513.75 | 447.25 | 509.00 | 593.50 | 630.70 | | |
| 9 | 275.00 | 170.75 | 271.10 | 247.70 | 499.50 | 785.00 | 2117.00 | 380.75 | 499.50 | 518.50 | 588.85 | 602.80 | | |
| 10 | 185.75 | 239.90 | 263.30 | 243.80 | 433.00 | 700.00 | 2032.50 | 442.50 | 509.00 | 537.50 | 579.55 | 588.85 | | |
| 11 | 152.00 | 155.75 | 316.00 | 243.80 | 418.75 | 715.00 | 1883.00 | 352.90 | 385.50 | 532.75 | 588.85 | 593.50 | | |
| 12 | 247.70 | 189.50 | 216.50 | 267.20 | 366.50 | 735.00 | 1863.50 | 307.80 | 299.60 | 551.65 | 584.20 | 528.00 | | |
| 13 | 200.90 | 174.50 | 174.50 | 236.00 | 340.60 | 845.25 | 1863.50 | 259.40 | 376.00 | 542.25 | 528.00 | 466.25 | | |
| 14 | 189.50 | 137.00 | 216.50 | 291.40 | 224.30 | 1231.00 | 1857.00 | 224.30 | 456.75 | 532.75 | 579.55 | 579.55 | | |
| 15 | 189.50 | 159.50 | 311.90 | 255.50 | 267.20 | 1500.00 | 1837.50 | 159.50 | 593.50 | 490.00 | 588.85 | 593.50 | | |
| 16 | 185.75 | 148.25 | 247.70 | 283.20 | 291.40 | 1413.75 | 1704.00 | 125.75 | 640.00 | 499.50 | 565.60 | 593.50 | | |
| 17 | 182.00 | 283.20 | 267.20 | 236.00 | 316.00 | 1297.00 | 1572.00 | 189.50 | 588.85 | 528.00 | 593.50 | 588.85 | | |
| 18 | 220.40 | 247.70 | 263.30 | 228.20 | 340.60 | 1187.00 | 1203.50 | 159.50 | 504.25 | 532.75 | 588.85 | 626.05 | | |
| 19 | 259.40 | 295.50 | 239.90 | 271.10 | 423.50 | 1104.50 | 1165.00 | 208.70 | 442.50 | 537.50 | 532.75 | 612.10 | | |
| 20 | 232.10 | 316.00 | 182.00 | 328.30 | 418.75 | 1093.50 | 1005.50 | 182.00 | 612.10 | 542.25 | 532.75 | 570.25 | | |
| 21 | 232.10 | 352.90 | 437.75 | 320.10 | 390.25 | 1027.50 | 887.25 | 129.50 | 635.35 | 537.50 | 579.55 | 565.60 | | |
| 22 | 216.50 | 320.10 | 437.75 | 332.40 | 320.10 | 978.00 | 876.75 | 204.80 | 640.00 | 523.25 | 593.50 | 621.40 | | |
| 23 | 224.30 | 670.00 | 556.30 | 299.60 | 414.00 | 1099.00 | 840.00 | 283.20 | 650.00 | 513.75 | 588.85 | 655.00 | | |
| 24 | 255.50 | 956.00 | 551.65 | 232.10 | 433.00 | 1258.50 | 750.00 | 267.20 | 660.00 | 537.50 | 593.50 | 607.45 | | |
| 25 | 163.25 | 866.25 | 715.00 | 204.80 | 404.50 | 1357.50 | 655.00 | 255.50 | 579.55 | 547.00 | 598.15 | 588.85 | | |
| 26 | 263.30 | 815.00 | 655.00 | 371.25 | 423.50 | 1286.00 | 680.00 | 299.60 | 607.45 | 537.50 | 542.25 | 570.25 | | |
| 27 | 287.30 | 882.00 | 680.00 | 303.70 | 404.50 | 1425.25 | 588.85 | 208.70 | 630.70 | 528.00 | 528.00 | 447.25 | | |
| 28 | 232.10 | 861.00 | 755.00 | 263.30 | 404.50 | 2000.00 | 560.95 | 220.40 | 675.00 | 528.00 | 602.80 | 579.55 | | |
| 29 | 197.00 | 918.75 | 735.00 | 228.20 | 352.90 | 2240.50 | 537.50 | 271.10 | 607.45 | 513.75 | | 528.00 | | |
| 30 | 189.50 | 929.25 | 655.00 | 255.50 | 361.75 | 2279.50 | 490.00 | 239.90 | 626.05 | 490.00 | | 570.25 | | |
| 31 | | 972.50 | | 267.20 | 352.90 | | 418.75 | | 630.70 | 551.65 | | 542.25 | | |
| Total | 6705.30 | 12815.60 | 13573.40 | 9113.30 | 11783.10 | 33639.80 | 41124.05 | 9036.00 | 15967.60 | 16058.65 | 15832.90 | 17887.60 | 203537.30 | CMSDAY |
| Mean | 223.51 | 413.41 | 452.45 | 293.98 | 380.10 | 1121.33 | 1326.58 | 301.20 | 515.08 | 518.02 | 565.46 | 577.02 | 557.64 | CMS |
| Max | 299.60 | 972.50 | 882.00 | 494.75 | 537.50 | 2279.50 | 2117.00 | 528.00 | 675.00 | 565.60 | 602.80 | 655.00 | 2279.50 | CMS |
| Min | 152.00 | 137.00 | 174.50 | 204.80 | 224.30 | 428.25 | 418.75 | 125.75 | 228.20 | 404.50 | 499.50 | 447.25 | 125.75 | CMS |
| Runoff | 579.34 | 1107.27 | 1172.74 | 787.39 | 1018.06 | 2906.48 | 3553.12 | 780.71 | 1379.60 | 1387.47 | 1367.96 | 1545.49 | 17585.62 | MCM |

Momentary Peak 2292.50 CMS. at 56.65 m. (MSL.) at 18.00 Hours , on Sep 30, 2006

Runoff Yield 12.73 Liters/Second/Square KM. Momentary Peak Yield 52.33 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban San Tor , Kamphaeng Phet (P.16)

Lat 16 - 03 - 45 N Long 99 - 51 - 48 E

**Location : on right bank behind the Post Office.**

**Ban** San Tor **Amphoe** Khanu Woralaksaburi **Changwat** Kamphaeng Phet

| | |
|---|---|
| **Drainge Area** | 45,076 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +41.780 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank near the automatic gage building. **Elevation** +46.604 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1960 , 1967 - 1974 , 1990 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1960 , 1964 - 1975 , 1979 , 1990 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 41 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

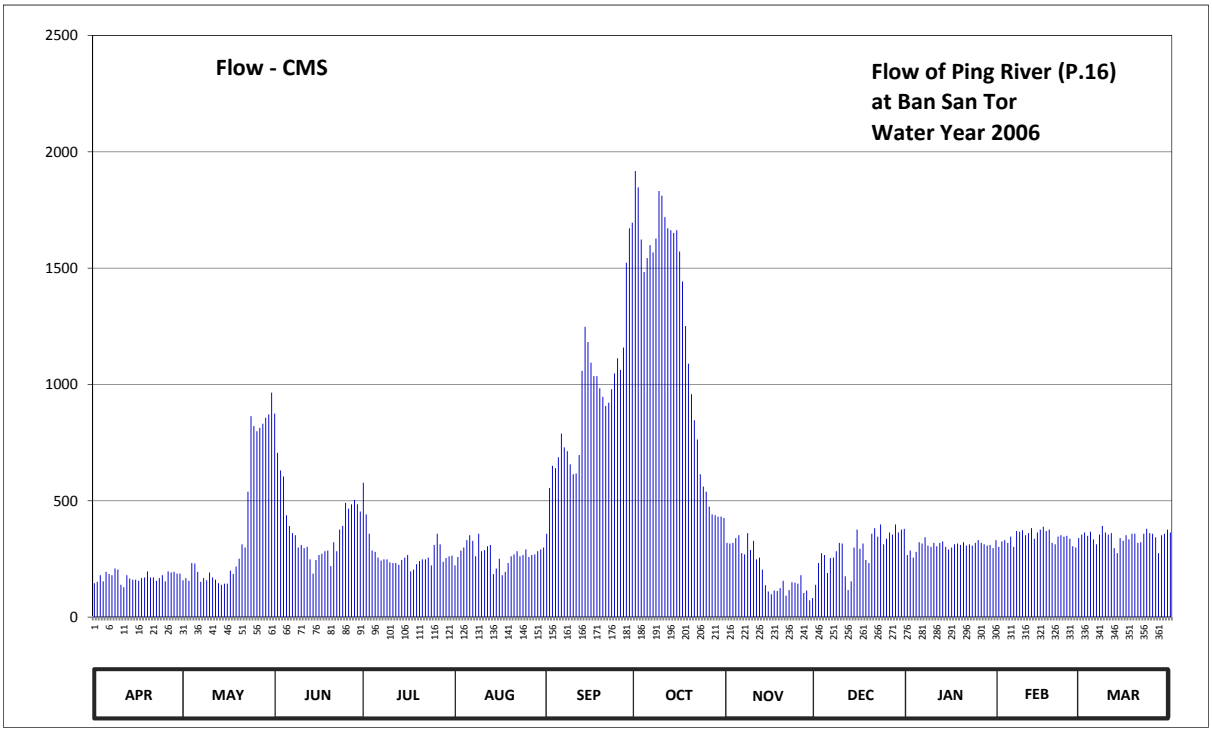
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.75 | 40.81 | 43.13 | 42.26 | 41.07 | 41.56 | 45.80 | 41.43 | 40.72 | 41.24 | 41.37 | 41.55 | |
| 2 | 40.78 | 40.85 | 42.65 | 41.83 | 41.21 | 42.19 | 45.63 | 41.42 | 41.11 | 41.31 | 41.45 | 41.58 | |
| 3 | 40.90 | 40.80 | 42.42 | 41.56 | 41.31 | 42.48 | 45.07 | 41.43 | 41.27 | 41.20 | 41.47 | 41.53 | |
| 4 | 40.79 | 41.11 | 42.34 | 41.31 | 41.36 | 42.45 | 44.72 | 41.50 | 41.24 | 41.29 | 41.43 | 41.59 | |
| 5 | 40.96 | 41.10 | 41.82 | 41.29 | 41.47 | 42.59 | 44.87 | 41.54 | 40.94 | 41.44 | 41.52 | 41.48 | |
| 6 | 40.92 | 40.96 | 41.67 | 41.20 | 41.54 | 42.89 | 45.01 | 41.27 | 41.19 | 41.42 | 41.37 | 41.41 | |
| 7 | 40.90 | 40.78 | 41.57 | 41.15 | 41.46 | 42.72 | 44.93 | 41.25 | 41.20 | 41.51 | 41.60 | 41.55 | |
| 8 | 41.02 | 40.85 | 41.54 | 41.17 | 41.22 | 42.67 | 45.08 | 41.57 | 41.30 | 41.39 | 41.59 | 41.67 | |
| 9 | 41.00 | 40.81 | 41.36 | 41.17 | 41.56 | 42.50 | 45.59 | 41.32 | 41.43 | 41.37 | 41.61 | 41.58 | |
| 10 | 40.72 | 40.95 | 41.40 | 41.12 | 41.30 | 42.37 | 45.54 | 41.46 | 41.42 | 41.43 | 41.54 | 41.55 | |
| 11 | 40.67 | 40.86 | 41.35 | 41.11 | 41.32 | 42.38 | 45.31 | 41.17 | 40.88 | 41.38 | 41.57 | 41.57 | |
| 12 | 40.90 | 40.82 | 41.37 | 41.11 | 41.38 | 42.62 | 45.19 | 41.20 | 40.61 | 41.43 | 41.64 | 41.35 | |
| 13 | 40.84 | 40.75 | 41.17 | 41.08 | 41.40 | 43.63 | 45.17 | 41.00 | 40.79 | 41.45 | 41.49 | 41.27 | |
| 14 | 40.82 | 40.72 | 40.93 | 41.16 | 40.92 | 44.12 | 45.14 | 40.71 | 41.36 | 41.37 | 41.58 | 41.50 | |
| 15 | 40.82 | 40.74 | 41.16 | 41.20 | 41.02 | 43.95 | 45.17 | 40.58 | 41.62 | 41.33 | 41.62 | 41.46 | |
| 16 | 40.80 | 40.74 | 41.24 | 41.24 | 41.18 | 43.72 | 44.94 | 40.52 | 41.34 | 41.36 | 41.66 | 41.54 | |
| 17 | 40.85 | 40.98 | 41.26 | 40.97 | 40.90 | 43.57 | 44.62 | 40.60 | 41.42 | 41.41 | 41.60 | 41.48 | |
| 18 | 40.86 | 40.92 | 41.30 | 41.00 | 40.96 | 43.57 | 44.13 | 40.59 | 41.16 | 41.42 | 41.62 | 41.56 | |
| 19 | 40.97 | 41.05 | 41.31 | 41.09 | 41.11 | 43.43 | 43.71 | 40.65 | 41.11 | 41.40 | 41.43 | 41.56 | |
| 20 | 40.86 | 41.18 | 41.06 | 41.14 | 41.22 | 43.33 | 43.36 | 40.80 | 41.56 | 41.44 | 41.41 | 41.43 | |
| 21 | 40.86 | 41.41 | 41.44 | 41.17 | 41.25 | 43.22 | 43.05 | 40.49 | 41.64 | 41.39 | 41.52 | 41.44 | |
| 22 | 40.80 | 41.36 | 41.30 | 41.17 | 41.30 | 43.26 | 42.82 | 40.61 | 41.52 | 41.41 | 41.54 | 41.56 | |
| 23 | 40.85 | 42.14 | 41.62 | 41.20 | 41.22 | 43.42 | 42.37 | 40.77 | 41.69 | 41.39 | 41.52 | 41.63 | |
| 24 | 40.90 | 43.10 | 41.67 | 41.07 | 41.24 | 43.60 | 42.21 | 40.76 | 41.41 | 41.43 | 41.53 | 41.57 | |
| 25 | 40.79 | 42.98 | 41.99 | 41.40 | 41.33 | 43.77 | 42.14 | 40.74 | 41.49 | 41.47 | 41.49 | 41.56 | |
| 26 | 40.97 | 42.92 | 41.91 | 41.56 | 41.21 | 43.64 | 41.94 | 40.90 | 41.58 | 41.43 | 41.38 | 41.51 | |
| 27 | 40.95 | 42.96 | 41.97 | 41.41 | 41.24 | 43.89 | 41.83 | 40.55 | 41.55 | 41.41 | 41.36 | 41.27 | |
| 28 | 40.96 | 43.01 | 42.03 | 41.13 | 41.25 | 44.82 | 41.82 | 40.60 | 41.69 | 41.39 | 41.50 | 41.54 | |
| 29 | 40.93 | 43.08 | 41.97 | 41.19 | 41.30 | 45.19 | 41.80 | 40.39 | 41.58 | 41.40 | | 41.56 | |
| 30 | 40.93 | 43.12 | 41.87 | 41.22 | 41.33 | 45.25 | 41.80 | 40.44 | 41.62 | 41.35 | | 41.62 | |
| 31 | | 43.38 | | 41.23 | 41.36 | | 41.78 | | 41.63 | 41.47 | | 41.58 | |
| Mean | 40.87 | 41.52 | 41.66 | 41.26 | 41.26 | 43.29 | 43.95 | 40.94 | 41.32 | 41.39 | 41.51 | 41.52 | |
| Max | 41.02 | 43.38 | 43.13 | 42.26 | 41.56 | 45.25 | 45.80 | 41.57 | 41.69 | 41.51 | 41.66 | 41.67 | 45.80 |
| Min | 40.67 | 40.72 | 40.93 | 40.97 | 40.90 | 41.56 | 41.78 | 40.39 | 40.61 | 41.20 | 41.36 | 41.27 | 40.39 |

Annual Max Momentary Gage Height 45.83 m. (MSL.) , at 06.00 Hours , on Oct 1, 2006

Zero Gage at Bottom Elevation 41.78 m. (MSL.) , River Bed 37.91 m. (MSL.)

Left Bank Elevation 49.12 m. (MSL.) ,

Right Bank Elevation 51.45 m. (MSL.) , Drainage Are 45,076 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 145.50 | 158.40 | 874.80 | 577.80 | 222.20 | 358.00 | 1917.00 | 319.00 | 139.20 | 266.80 | 301.90 | 355.00 | | |
| 2 | 151.80 | 168.00 | 706.50 | 441.30 | 258.70 | 554.80 | 1847.30 | 316.00 | 232.60 | 285.70 | 325.00 | 364.00 | | |
| 3 | 180.00 | 156.00 | 630.60 | 358.00 | 285.70 | 650.40 | 1623.00 | 319.00 | 274.90 | 256.00 | 331.00 | 349.00 | | |
| 4 | 153.90 | 232.60 | 604.20 | 285.70 | 299.20 | 640.50 | 1483.00 | 340.00 | 266.80 | 280.30 | 319.00 | 367.00 | | |
| 5 | 194.40 | 230.00 | 438.20 | 280.30 | 331.00 | 686.70 | 1543.00 | 352.00 | 189.60 | 322.00 | 346.00 | 334.00 | | |
| 6 | 184.80 | 194.40 | 391.70 | 256.00 | 352.00 | 788.40 | 1599.00 | 274.90 | 253.40 | 316.00 | 301.90 | 313.00 | | |
| 7 | 180.00 | 151.80 | 361.00 | 243.00 | 328.00 | 729.60 | 1567.00 | 269.50 | 256.00 | 343.00 | 370.00 | 355.00 | | |
| 8 | 209.20 | 168.00 | 352.00 | 248.20 | 261.40 | 713.10 | 1627.00 | 361.00 | 283.00 | 307.30 | 367.00 | 391.70 | | |
| 9 | 204.00 | 158.40 | 299.20 | 248.20 | 358.00 | 657.00 | 1831.00 | 288.40 | 319.00 | 301.90 | 373.10 | 364.00 | | |
| 10 | 139.20 | 192.00 | 310.00 | 235.20 | 283.00 | 614.10 | 1811.00 | 328.00 | 316.00 | 319.00 | 352.00 | 355.00 | | |
| 11 | 128.70 | 170.40 | 296.50 | 232.60 | 288.40 | 617.40 | 1719.00 | 248.20 | 175.20 | 304.60 | 361.00 | 361.00 | | |
| 12 | 180.00 | 160.80 | 301.90 | 232.60 | 304.60 | 696.60 | 1671.00 | 256.00 | 116.10 | 319.00 | 382.40 | 296.50 | | |
| 13 | 165.60 | 145.50 | 248.20 | 224.80 | 310.00 | 1058.55 | 1663.00 | 204.00 | 153.90 | 325.00 | 337.00 | 274.90 | | |
| 14 | 160.80 | 139.20 | 187.20 | 245.60 | 184.80 | 1247.20 | 1651.00 | 137.10 | 299.20 | 301.90 | 364.00 | 340.00 | | |
| 15 | 160.80 | 143.40 | 245.60 | 256.00 | 209.20 | 1181.75 | 1663.00 | 110.00 | 376.20 | 291.10 | 376.20 | 328.00 | | |
| 16 | 156.00 | 143.40 | 266.80 | 266.80 | 250.80 | 1093.20 | 1571.00 | 98.00 | 293.80 | 299.20 | 388.60 | 352.00 | | |
| 17 | 168.00 | 199.20 | 272.20 | 196.80 | 180.00 | 1035.75 | 1443.00 | 114.00 | 316.00 | 313.00 | 370.00 | 334.00 | | |
| 18 | 170.40 | 184.80 | 283.00 | 204.00 | 194.40 | 1035.75 | 1251.05 | 112.00 | 245.60 | 316.00 | 376.20 | 358.00 | | |
| 19 | 196.80 | 217.00 | 285.70 | 227.40 | 232.60 | 983.25 | 1089.35 | 124.50 | 232.60 | 310.00 | 319.00 | 358.00 | | |
| 20 | 170.40 | 250.80 | 219.60 | 240.40 | 261.40 | 946.80 | 957.60 | 156.00 | 358.00 | 322.00 | 313.00 | 319.00 | | |
| 21 | 170.40 | 313.00 | 322.00 | 248.20 | 269.50 | 907.20 | 846.00 | 92.00 | 382.40 | 307.30 | 346.00 | 322.00 | | |
| 22 | 156.00 | 299.20 | 283.00 | 248.20 | 283.00 | 921.60 | 763.20 | 116.10 | 346.00 | 313.00 | 352.00 | 358.00 | | |
| 23 | 168.00 | 538.80 | 376.20 | 256.00 | 261.40 | 979.50 | 614.10 | 149.70 | 397.90 | 307.30 | 346.00 | 379.30 | | |
| 24 | 180.00 | 864.00 | 391.70 | 222.20 | 266.80 | 1047.00 | 561.30 | 147.60 | 313.00 | 319.00 | 349.00 | 361.00 | | |
| 25 | 153.90 | 820.80 | 490.90 | 310.00 | 291.10 | 1112.45 | 538.80 | 143.40 | 337.00 | 331.00 | 337.00 | 358.00 | | |
| 26 | 196.80 | 799.20 | 466.10 | 358.00 | 258.70 | 1062.40 | 475.40 | 180.00 | 364.00 | 319.00 | 304.60 | 343.00 | | |
| 27 | 192.00 | 813.60 | 484.70 | 313.00 | 266.80 | 1158.65 | 441.30 | 104.00 | 355.00 | 313.00 | 299.20 | 274.90 | | |
| 28 | 194.40 | 831.60 | 503.60 | 237.80 | 269.50 | 1523.00 | 438.20 | 114.00 | 397.90 | 307.30 | 340.00 | 352.00 | | |
| 29 | 187.20 | 856.80 | 484.70 | 253.40 | 283.00 | 1671.00 | 432.00 | 72.10 | 364.00 | 310.00 | | 358.00 | | |
| 30 | 187.20 | 871.20 | 453.70 | 261.40 | 291.10 | 1695.00 | 432.00 | 82.00 | 376.20 | 296.50 | | 376.20 | | |
| 31 | | 964.80 | | 264.10 | 299.20 | | 425.80 | | 379.30 | 331.00 | | 364.00 | | |
| Total | 5186.20 | 11537.10 | 11831.50 | 8473.00 | 8435.50 | 28366.65 | 37495.40 | 5928.50 | 9109.80 | 9554.20 | 9648.10 | 10715.50 | 156281.45 | CMSDAY |
| Mean | 172.87 | 372.16 | 394.38 | 273.32 | 272.11 | 945.56 | 1209.53 | 197.62 | 293.86 | 308.20 | 344.57 | 345.66 | 428.17 | CMS |
| Max | 209.20 | 964.80 | 874.80 | 577.80 | 358.00 | 1695.00 | 1917.00 | 361.00 | 397.90 | 343.00 | 388.60 | 391.70 | 1917.00 | CMS |
| Min | 128.70 | 139.20 | 187.20 | 196.80 | 180.00 | 358.00 | 425.80 | 72.10 | 116.10 | 256.00 | 299.20 | 274.90 | 72.10 | CMS |
| Runoff | 448.09 | 996.81 | 1022.24 | 732.07 | 728.83 | 2450.88 | 3239.60 | 512.22 | 787.09 | 825.48 | 833.60 | 925.82 | 13502.72 | MCM |

Momentary Peak 1921.15 CMS. at 45.83 m. (MSL.) at 06.00 Hours , on Oct 1, 2006

Runoff Yield 1263.03 Liters/Second/Square KM. Momentary Peak Yield 5667.11 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Tha Ngiu, Nakhon Sawan (P.17)

Lat 15 - 56 - 02 N Long 99 - 58 - 50 E

**Location : on right bank at Som Sieo Market**

**Ban** Tha Ngiu **Amphoe** Banphot Phisai **Changwat** Nakhon Sawan

| | |
|---|---|
| **Drainge Area** | 45,297 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +32.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 5.00 meters from the top staff gage **Elevation** +37.940 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1960, 1967 - 1974, 1990 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1954 - 1979, 1990 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +37.780 m.(MSL.) and is including overbank flow.No overbank flow. |
| **General Description** | Records fair. Flow effected by Phumiphol Dam.<br>Stage-discharge relation defined by 41 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

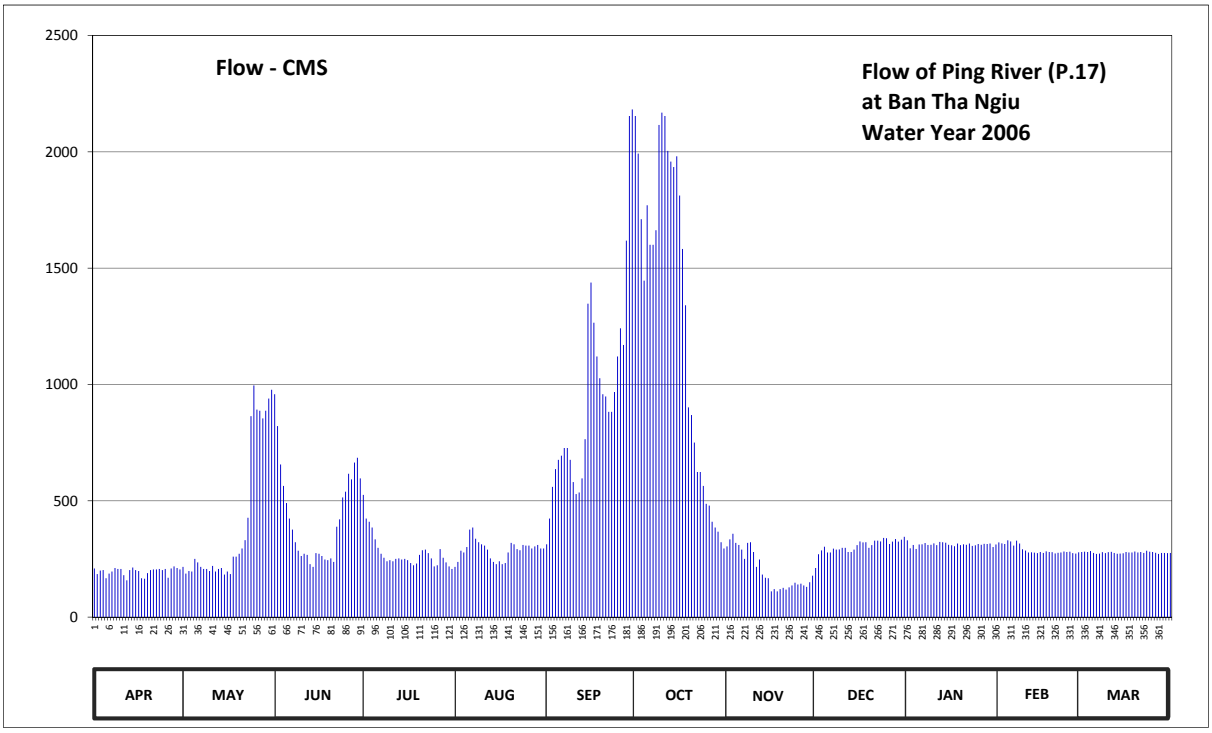
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34.65 | 34.68 | 36.69 | 35.70 | 34.68 | 35.06 | 38.21 | 35.03 | 34.66 | 35.87 | 35.79 | 35.29 | |
| 2 | 34.54 | 34.55 | 36.40 | 35.41 | 34.77 | 35.41 | 38.08 | 35.13 | 35.00 | 35.51 | 35.75 | 35.32 | |
| 3 | 34.61 | 34.60 | 36.04 | 35.37 | 34.96 | 35.80 | 37.82 | 35.21 | 35.40 | 35.68 | 35.72 | 35.29 | |
| 4 | 34.62 | 34.59 | 35.81 | 35.30 | 34.93 | 35.99 | 37.52 | 35.08 | 35.59 | 35.47 | 35.87 | 35.36 | |
| 5 | 34.46 | 34.82 | 35.60 | 35.13 | 35.02 | 36.09 | 37.88 | 35.05 | 35.26 | 35.70 | 35.83 | 35.22 | |
| 6 | 34.55 | 34.76 | 35.41 | 35.01 | 35.27 | 36.13 | 37.70 | 34.98 | 35.26 | 35.71 | 35.65 | 35.09 | |
| 7 | 34.59 | 34.68 | 35.27 | 34.91 | 35.30 | 36.20 | 37.70 | 34.82 | 35.49 | 35.76 | 35.86 | 35.13 | |
| 8 | 34.66 | 34.64 | 35.09 | 34.84 | 35.14 | 36.20 | 37.77 | 35.08 | 35.44 | 35.68 | 35.74 | 35.28 | |
| 9 | 34.64 | 34.64 | 34.96 | 34.78 | 35.09 | 36.09 | 38.18 | 35.09 | 35.45 | 35.69 | 35.46 | 35.19 | |
| 10 | 34.64 | 34.60 | 34.87 | 34.80 | 35.06 | 35.85 | 38.22 | 34.94 | 35.53 | 35.75 | 35.39 | 35.28 | |
| 11 | 34.52 | 34.70 | 34.91 | 34.78 | 35.04 | 35.71 | 38.21 | 34.68 | 35.53 | 35.67 | 35.26 | 35.31 | |
| 12 | 34.42 | 34.59 | 34.89 | 34.82 | 34.98 | 35.73 | 38.09 | 34.81 | 35.30 | 35.81 | 35.27 | 35.21 | |
| 13 | 34.62 | 34.64 | 34.73 | 34.83 | 34.83 | 35.89 | 38.05 | 34.53 | 35.29 | 35.80 | 35.24 | 35.10 | |
| 14 | 34.67 | 34.66 | 34.68 | 34.81 | 34.77 | 36.28 | 38.03 | 34.47 | 35.44 | 35.78 | 35.19 | 35.14 | |
| 15 | 34.62 | 34.53 | 34.92 | 34.82 | 34.73 | 37.38 | 38.07 | 34.46 | 35.67 | 35.69 | 35.29 | 35.18 | |
| 16 | 34.60 | 34.59 | 34.91 | 34.80 | 34.78 | 37.51 | 37.92 | 34.18 | 35.83 | 35.66 | 35.21 | 35.29 | |
| 17 | 34.46 | 34.54 | 34.87 | 34.75 | 34.73 | 37.25 | 37.68 | 34.23 | 35.79 | 35.62 | 35.34 | 35.25 | |
| 18 | 34.45 | 34.86 | 34.81 | 34.71 | 34.75 | 37.00 | 37.37 | 34.18 | 35.80 | 35.74 | 35.29 | 35.26 | |
| 19 | 34.56 | 34.86 | 34.80 | 34.74 | 34.93 | 36.83 | 36.57 | 34.23 | 35.53 | 35.67 | 35.28 | 35.33 | |
| 20 | 34.62 | 34.91 | 34.83 | 34.89 | 35.08 | 36.69 | 36.50 | 34.26 | 35.67 | 35.71 | 35.15 | 35.26 | |
| 21 | 34.63 | 35.00 | 34.77 | 34.97 | 35.06 | 36.67 | 36.25 | 34.22 | 35.86 | 35.69 | 35.23 | 35.29 | |
| 22 | 34.63 | 35.12 | 35.31 | 34.98 | 34.99 | 36.53 | 35.96 | 34.27 | 35.86 | 35.74 | 35.25 | 35.22 | |
| 23 | 34.64 | 35.42 | 35.40 | 34.92 | 34.97 | 36.53 | 35.96 | 34.31 | 35.83 | 35.63 | 35.33 | 35.38 | |
| 24 | 34.62 | 36.49 | 35.67 | 34.83 | 35.05 | 36.71 | 35.81 | 34.37 | 35.96 | 35.66 | 35.29 | 35.32 | |
| 25 | 34.64 | 36.77 | 35.74 | 34.69 | 35.04 | 37.00 | 35.59 | 34.33 | 35.95 | 35.72 | 35.32 | 35.30 | |
| 26 | 34.47 | 36.55 | 35.94 | 34.71 | 35.04 | 37.21 | 35.57 | 34.35 | 35.72 | 35.69 | 35.20 | 35.23 | |
| 27 | 34.65 | 36.54 | 35.88 | 34.99 | 35.00 | 37.09 | 35.37 | 34.31 | 35.82 | 35.73 | 35.14 | 35.09 | |
| 28 | 34.69 | 36.47 | 36.06 | 34.84 | 35.03 | 37.72 | 35.30 | 34.28 | 35.92 | 35.72 | 35.27 | 35.22 | |
| 29 | 34.66 | 36.54 | 36.11 | 34.76 | 35.05 | 38.21 | 35.24 | 34.38 | 35.82 | 35.74 | | 35.21 | |
| 30 | 34.63 | 36.65 | 35.89 | 34.69 | 35.00 | 38.23 | 35.09 | 34.51 | 35.90 | 35.58 | | 35.19 | |
| 31 | | 36.73 | | 34.64 | 35.00 | | 35.00 | | 36.00 | 35.70 | | 35.21 | |
| Mean | 34.59 | 35.22 | 35.38 | 34.91 | 34.97 | 36.57 | 36.99 | 34.59 | 35.60 | 35.70 | 35.41 | 35.24 | |
| Max | 34.69 | 36.77 | 36.69 | 35.70 | 35.30 | 38.23 | 38.22 | 35.21 | 36.00 | 35.87 | 35.87 | 35.38 | 38.23 |
| Min | 34.42 | 34.53 | 34.68 | 34.64 | 34.68 | 35.06 | 35.00 | 34.18 | 34.66 | 35.47 | 35.14 | 35.09 | 34.18 |

Annual Max Momentary Gage Height 38.24 m. (MSL.) , at 06.00 Hours , on Oct 11, 2006

Zero Gage at Bottom Elevation 32.00 m. (MSL.) , River Bed 34.57 m. (MSL.)

Left Bank Elevation 38.17 m. (MSL.) ,

Right Bank Elevation 37.77 m. (MSL.) , Drainage Are 45,297 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 209.00 | 215.60 | 958.03 | 525.00 | 215.60 | 313.00 | 2154.00 | 304.00 | 211.20 | 329.70 | 321.00 | 279.50 | | |
| 2 | 184.80 | 187.00 | 821.00 | 423.50 | 237.50 | 423.50 | 1992.00 | 334.00 | 270.00 | 295.80 | 317.00 | 281.40 | | |
| 3 | 200.20 | 198.00 | 656.00 | 409.50 | 285.00 | 560.00 | 1710.00 | 358.00 | 287.00 | 310.20 | 314.00 | 279.50 | | |
| 4 | 202.40 | 195.80 | 564.00 | 385.00 | 277.50 | 636.00 | 1446.00 | 319.00 | 302.20 | 292.60 | 329.70 | 284.20 | | |
| 5 | 167.20 | 250.00 | 490.00 | 334.00 | 301.00 | 676.00 | 1770.00 | 310.00 | 278.00 | 312.00 | 325.30 | 276.00 | | |
| 6 | 187.00 | 235.00 | 423.50 | 298.00 | 376.00 | 694.10 | 1600.00 | 290.00 | 278.00 | 313.00 | 307.50 | 271.80 | | |
| 7 | 195.80 | 215.60 | 376.00 | 272.50 | 385.00 | 727.00 | 1600.00 | 250.00 | 294.20 | 318.00 | 328.60 | 272.90 | | |
| 8 | 211.20 | 206.80 | 322.00 | 255.00 | 337.00 | 727.00 | 1663.00 | 319.00 | 290.20 | 310.20 | 316.00 | 279.00 | | |
| 9 | 206.80 | 206.80 | 285.00 | 240.00 | 322.00 | 676.00 | 2115.00 | 322.00 | 291.00 | 311.10 | 291.80 | 274.70 | | |
| 10 | 206.80 | 198.00 | 262.50 | 245.00 | 313.00 | 580.00 | 2168.00 | 280.00 | 297.40 | 317.00 | 286.30 | 279.00 | | |
| 11 | 180.40 | 220.00 | 272.50 | 240.00 | 307.00 | 528.50 | 2154.00 | 215.60 | 297.40 | 309.30 | 278.00 | 280.70 | | |
| 12 | 158.40 | 195.80 | 267.50 | 250.00 | 290.00 | 535.50 | 2003.50 | 247.50 | 280.00 | 323.10 | 278.50 | 275.50 | | |
| 13 | 202.40 | 206.80 | 227.50 | 252.50 | 252.50 | 596.00 | 1957.50 | 182.60 | 279.50 | 322.00 | 277.00 | 272.00 | | |
| 14 | 213.40 | 211.20 | 215.60 | 247.50 | 237.50 | 764.60 | 1934.50 | 169.40 | 290.20 | 320.00 | 274.70 | 273.20 | | |
| 15 | 202.40 | 182.60 | 275.00 | 250.00 | 227.50 | 1347.00 | 1980.50 | 167.20 | 309.30 | 311.10 | 279.50 | 274.40 | | |
| 16 | 198.00 | 195.80 | 272.50 | 245.00 | 240.00 | 1438.00 | 1812.00 | 110.60 | 325.30 | 308.40 | 275.50 | 279.50 | | |
| 17 | 167.20 | 184.80 | 262.50 | 232.50 | 227.50 | 1265.00 | 1582.00 | 120.00 | 321.00 | 304.80 | 282.80 | 277.50 | | |
| 18 | 165.00 | 260.00 | 247.50 | 222.50 | 232.50 | 1120.00 | 1340.50 | 110.60 | 322.00 | 316.00 | 279.50 | 278.00 | | |
| 19 | 189.20 | 260.00 | 245.00 | 230.00 | 277.50 | 1026.50 | 901.33 | 120.00 | 297.40 | 309.30 | 279.00 | 282.10 | | |
| 20 | 202.40 | 272.50 | 252.50 | 267.50 | 319.00 | 958.03 | 868.25 | 126.00 | 309.30 | 313.00 | 273.50 | 278.00 | | |
| 21 | 204.60 | 295.00 | 237.50 | 287.50 | 313.00 | 948.58 | 750.50 | 118.00 | 328.60 | 311.10 | 276.50 | 279.50 | | |
| 22 | 204.60 | 331.00 | 388.50 | 290.00 | 292.50 | 882.43 | 624.00 | 128.00 | 328.60 | 316.00 | 277.50 | 276.00 | | |
| 23 | 206.80 | 427.00 | 420.00 | 275.00 | 287.50 | 882.43 | 624.00 | 136.00 | 325.30 | 305.70 | 282.10 | 285.60 | | |
| 24 | 202.40 | 863.53 | 514.50 | 252.50 | 310.00 | 967.48 | 564.00 | 148.00 | 340.20 | 308.40 | 279.50 | 281.40 | | |
| 25 | 206.80 | 995.83 | 539.00 | 217.80 | 307.00 | 1120.00 | 486.50 | 140.00 | 339.00 | 314.00 | 281.40 | 280.00 | | |
| 26 | 169.40 | 891.88 | 616.00 | 222.50 | 307.00 | 1241.00 | 479.50 | 144.00 | 314.00 | 311.10 | 275.00 | 276.50 | | |
| 27 | 209.00 | 887.15 | 592.00 | 292.50 | 295.00 | 1169.50 | 409.50 | 136.00 | 324.20 | 315.00 | 273.20 | 271.80 | | |
| 28 | 217.80 | 854.08 | 664.00 | 255.00 | 304.00 | 1618.00 | 385.00 | 130.00 | 335.40 | 314.00 | 278.50 | 276.00 | | |
| 29 | 211.20 | 887.15 | 684.70 | 235.00 | 310.00 | 2154.00 | 367.00 | 150.00 | 324.20 | 316.00 | | 275.50 | | |
| 30 | 204.60 | 939.13 | 596.00 | 217.80 | 295.00 | 2182.00 | 322.00 | 178.20 | 333.00 | 301.40 | | 274.70 | | |
| 31 | | 976.93 | | 206.80 | 295.00 | | 295.00 | | 345.00 | 312.00 | | 275.50 | | |
| Total | 5887.20 | 12646.78 | 12948.33 | 8577.40 | 8976.60 | 28757.15 | 40059.08 | 6063.70 | 9468.10 | 9671.30 | 8138.90 | 8601.40 | 159795.94 | CMSDAY |
| Mean | 196.24 | 407.96 | 431.61 | 276.69 | 289.57 | 958.57 | 1292.23 | 202.12 | 305.42 | 311.98 | 290.68 | 277.46 | 437.80 | CMS |
| Max | 217.80 | 995.83 | 958.03 | 525.00 | 385.00 | 2182.00 | 2168.00 | 358.00 | 345.00 | 329.70 | 329.70 | 285.60 | 2182.00 | CMS |
| Min | 158.40 | 182.60 | 215.60 | 206.80 | 215.60 | 313.00 | 295.00 | 110.60 | 211.20 | 292.60 | 273.20 | 271.80 | 110.60 | CMS |
| Runoff | 508.65 | 1092.68 | 1118.74 | 741.09 | 775.58 | 2484.62 | 3461.10 | 523.90 | 818.04 | 835.60 | 703.20 | 743.16 | 13806.37 | MCM |

Momentary Peak 2196.00 CMS. at 38.24 m. (MSL.) at 06.00 Hours , on Oct 11, 2006

Runoff Yield 8.93 Liters/Second/Square KM. Momentary Peak Yield 44.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Chiang Dao , Chiang Mai (P.20)

Lat 19 - 21 - 58 N Long 98 - 58 - 21 E

**Location : on right bank near War Inthra Ram.**

**Ban** Chiang Dao **Amphoe** Chiang Dao **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 1,345 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +379.900 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | About 2 meters from automatic gage building. **Elevation** +384.033 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1979 - 1982 , 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1979 - 1982 , 1989 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow effected by the local weir about 300 meters downstream from the gage site. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

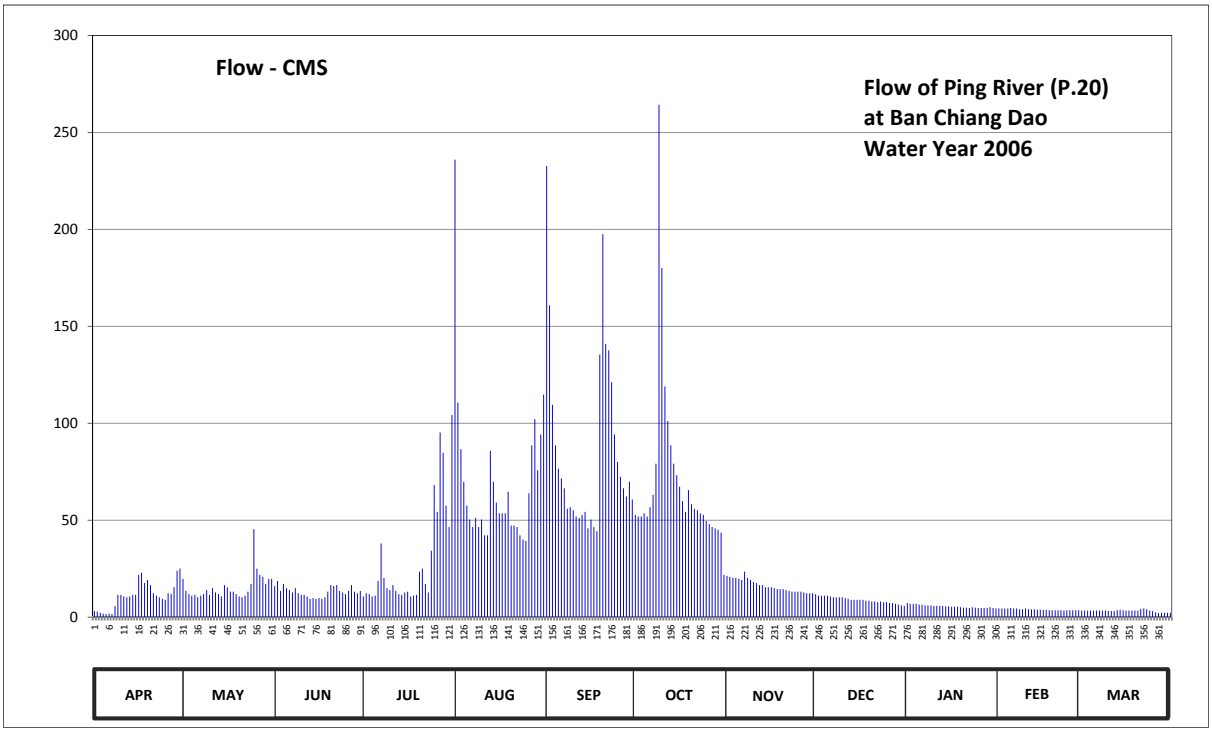
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 380.07 | 380.50 | 380.43 | 380.31 | 382.26 | 382.24 | 380.67 | 380.53 | 380.34 | 380.23 | 380.13 | 380.08 | |
| 2 | 380.06 | 380.38 | 380.48 | 380.35 | 381.31 | 381.75 | 380.66 | 380.52 | 380.32 | 380.22 | 380.13 | 380.08 | |
| 3 | 380.03 | 380.34 | 380.38 | 380.34 | 381.07 | 381.30 | 380.66 | 380.51 | 380.32 | 380.22 | 380.13 | 380.08 | |
| 4 | 380.01 | 380.32 | 380.45 | 380.31 | 380.88 | 381.09 | 380.68 | 380.51 | 380.32 | 380.22 | 380.13 | 380.08 | |
| 5 | 380.00 | 380.33 | 380.41 | 380.32 | 380.73 | 380.96 | 380.66 | 380.50 | 380.32 | 380.21 | 380.14 | 380.08 | |
| 6 | 380.01 | 380.30 | 380.39 | 380.48 | 380.64 | 380.90 | 380.72 | 380.49 | 380.31 | 380.21 | 380.13 | 380.08 | |
| 7 | 380.00 | 380.32 | 380.36 | 380.67 | 380.59 | 380.84 | 380.80 | 380.57 | 380.30 | 380.20 | 380.13 | 380.08 | |
| 8 | 380.19 | 380.34 | 380.41 | 380.51 | 380.65 | 380.71 | 380.99 | 380.51 | 380.30 | 380.20 | 380.11 | 380.08 | |
| 9 | 380.33 | 380.39 | 380.35 | 380.41 | 380.59 | 380.72 | 382.43 | 380.49 | 380.30 | 380.20 | 380.11 | 380.08 | |
| 10 | 380.33 | 380.33 | 380.33 | 380.39 | 380.64 | 380.70 | 381.89 | 380.47 | 380.30 | 380.19 | 380.13 | 380.07 | |
| 11 | 380.31 | 380.41 | 380.33 | 380.44 | 380.53 | 380.66 | 381.39 | 380.46 | 380.29 | 380.19 | 380.11 | 380.07 | |
| 12 | 380.30 | 380.36 | 380.31 | 380.38 | 380.53 | 380.65 | 381.22 | 380.44 | 380.28 | 380.19 | 380.11 | 380.07 | |
| 13 | 380.31 | 380.34 | 380.28 | 380.34 | 381.06 | 380.67 | 381.09 | 380.44 | 380.27 | 380.19 | 380.11 | 380.09 | |
| 14 | 380.33 | 380.31 | 380.29 | 380.33 | 380.88 | 380.69 | 380.99 | 380.42 | 380.27 | 380.18 | 380.10 | 380.10 | |
| 15 | 380.33 | 380.44 | 380.28 | 380.36 | 380.75 | 380.58 | 380.92 | 380.42 | 380.27 | 380.18 | 380.10 | 380.09 | |
| 16 | 380.54 | 380.42 | 380.29 | 380.37 | 380.68 | 380.64 | 380.85 | 380.42 | 380.27 | 380.17 | 380.10 | 380.08 | |
| 17 | 380.56 | 380.37 | 380.28 | 380.31 | 380.68 | 380.59 | 380.76 | 380.41 | 380.27 | 380.17 | 380.10 | 380.08 | |
| 18 | 380.46 | 380.37 | 380.30 | 380.32 | 380.68 | 380.56 | 380.69 | 380.40 | 380.26 | 380.17 | 380.09 | 380.08 | |
| 19 | 380.49 | 380.34 | 380.37 | 380.33 | 380.82 | 381.54 | 380.83 | 380.40 | 380.26 | 380.16 | 380.09 | 380.08 | |
| 20 | 380.44 | 380.31 | 380.44 | 380.57 | 380.60 | 382.01 | 380.74 | 380.40 | 380.25 | 380.15 | 380.09 | 380.08 | |
| 21 | 380.35 | 380.30 | 380.43 | 380.60 | 380.60 | 381.59 | 380.71 | 380.39 | 380.25 | 380.15 | 380.09 | 380.12 | |
| 22 | 380.32 | 380.32 | 380.44 | 380.45 | 380.59 | 381.56 | 380.70 | 380.38 | 380.24 | 380.14 | 380.09 | 380.13 | |
| 23 | 380.30 | 380.37 | 380.38 | 380.36 | 380.53 | 381.41 | 380.68 | 380.37 | 380.25 | 380.16 | 380.08 | 380.11 | |
| 24 | 380.28 | 380.45 | 380.36 | 380.42 | 380.50 | 381.15 | 380.67 | 380.37 | 380.24 | 380.15 | 380.09 | 380.08 | |
| 25 | 380.27 | 380.71 | 380.34 | 380.86 | 380.49 | 381.00 | 380.63 | 380.37 | 380.24 | 380.14 | 380.09 | 380.07 | |
| 26 | 380.35 | 380.60 | 380.38 | 380.69 | 380.81 | 380.91 | 380.61 | 380.37 | 380.23 | 380.14 | 380.09 | 380.04 | |
| 27 | 380.34 | 380.54 | 380.44 | 381.16 | 381.09 | 380.84 | 380.59 | 380.36 | 380.23 | 380.14 | 380.09 | 380.02 | |
| 28 | 380.42 | 380.52 | 380.37 | 381.05 | 381.23 | 380.79 | 380.58 | 380.35 | 380.22 | 380.14 | 380.09 | 380.03 | |
| 29 | 380.58 | 380.45 | 380.35 | 380.73 | 380.95 | 380.88 | 380.57 | 380.35 | 380.21 | 380.16 | | 380.03 | |
| 30 | 380.60 | 380.50 | 380.38 | 380.59 | 381.15 | 380.77 | 380.55 | 380.35 | 380.20 | 380.14 | | 380.03 | |
| 31 | | 380.50 | | 381.25 | 381.35 | | 380.54 | | 380.19 | 380.13 | | 380.03 | |
| Mean | 380.30 | 380.40 | 380.37 | 380.52 | 380.83 | 381.02 | 380.85 | 380.43 | 380.27 | 380.18 | 380.11 | 380.07 | |
| Max | 380.60 | 380.71 | 380.48 | 381.25 | 382.26 | 382.24 | 382.43 | 380.57 | 380.34 | 380.23 | 380.14 | 380.13 | 382.43 |
| Min | 380.00 | 380.30 | 380.28 | 380.31 | 380.49 | 380.56 | 380.54 | 380.35 | 380.19 | 380.13 | 380.08 | 380.02 | 380.00 |

Annual Max Momentary Gage Height 382.78 m. (MSL.) , at 11.00 Hours , on Oct 9, 2006

Zero Gage at Bottom Elevation 379.90 m. (MSL.) , River Bed 379.09 m. (MSL.)

Left Bank Elevation 385.59 m. (MSL.) ,

Right Bank Elevation 386.68 m. (MSL.) , Drainage Are 1,345 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.14 | 19.70 | 15.99 | 10.62 | 235.90 | 232.60 | 52.73 | 21.29 | 11.88 | 7.26 | 4.46 | 3.36 | | |
| 2 | 2.92 | 13.56 | 18.64 | 12.30 | 110.55 | 160.75 | 51.94 | 20.76 | 11.04 | 6.84 | 4.46 | 3.36 | | |
| 3 | 2.26 | 11.88 | 13.56 | 11.88 | 86.65 | 109.50 | 51.94 | 20.23 | 11.04 | 6.84 | 4.46 | 3.36 | | |
| 4 | 1.82 | 11.04 | 17.05 | 10.62 | 69.80 | 88.55 | 53.52 | 20.23 | 11.04 | 6.84 | 4.46 | 3.36 | | |
| 5 | 1.60 | 11.46 | 14.93 | 11.04 | 57.47 | 76.60 | 51.94 | 19.70 | 11.04 | 6.42 | 4.68 | 3.36 | | |
| 6 | 1.82 | 10.20 | 13.98 | 18.64 | 50.36 | 71.50 | 56.68 | 19.17 | 10.62 | 6.42 | 4.46 | 3.36 | | |
| 7 | 1.60 | 11.04 | 12.72 | 37.95 | 46.48 | 66.40 | 63.00 | 23.41 | 10.20 | 6.00 | 4.46 | 3.36 | | |
| 8 | 5.78 | 11.88 | 14.93 | 20.23 | 51.15 | 55.89 | 79.15 | 20.23 | 10.20 | 6.00 | 4.02 | 3.36 | | |
| 9 | 11.46 | 13.98 | 12.30 | 14.93 | 46.48 | 56.68 | 264.25 | 19.17 | 10.20 | 6.00 | 4.02 | 3.36 | | |
| 10 | 11.46 | 11.46 | 11.46 | 13.98 | 50.36 | 55.10 | 180.05 | 18.11 | 10.20 | 5.78 | 4.46 | 3.14 | | |
| 11 | 10.62 | 14.93 | 11.46 | 16.52 | 42.16 | 51.94 | 118.95 | 17.58 | 9.78 | 5.78 | 4.02 | 3.14 | | |
| 12 | 10.20 | 12.72 | 10.62 | 13.56 | 42.16 | 51.15 | 101.10 | 16.52 | 9.36 | 5.78 | 4.02 | 3.14 | | |
| 13 | 10.62 | 11.88 | 9.36 | 11.88 | 85.70 | 52.73 | 88.55 | 16.52 | 8.94 | 5.78 | 4.02 | 3.58 | | |
| 14 | 11.46 | 10.62 | 9.78 | 11.46 | 69.80 | 54.31 | 79.15 | 15.46 | 8.94 | 5.56 | 3.80 | 3.80 | | |
| 15 | 11.46 | 16.52 | 9.36 | 12.72 | 59.05 | 45.76 | 73.20 | 15.46 | 8.94 | 5.56 | 3.80 | 3.58 | | |
| 16 | 21.82 | 15.46 | 9.78 | 13.14 | 53.52 | 50.36 | 67.25 | 15.46 | 8.94 | 5.34 | 3.80 | 3.36 | | |
| 17 | 22.88 | 13.14 | 9.36 | 10.62 | 53.52 | 46.48 | 59.84 | 14.93 | 8.94 | 5.34 | 3.80 | 3.36 | | |
| 18 | 17.58 | 13.14 | 10.20 | 11.04 | 53.52 | 44.32 | 54.31 | 14.40 | 8.52 | 5.34 | 3.58 | 3.36 | | |
| 19 | 19.17 | 11.88 | 13.14 | 11.46 | 64.70 | 135.40 | 65.55 | 14.40 | 8.52 | 5.12 | 3.58 | 3.36 | | |
| 20 | 16.52 | 10.62 | 16.52 | 23.41 | 47.20 | 197.50 | 58.26 | 14.40 | 8.10 | 4.90 | 3.58 | 3.36 | | |
| 21 | 12.30 | 10.20 | 15.99 | 25.00 | 47.20 | 140.90 | 55.89 | 13.98 | 8.10 | 4.90 | 3.58 | 4.24 | | |
| 22 | 11.04 | 11.04 | 16.52 | 17.05 | 46.48 | 137.60 | 55.10 | 13.56 | 7.68 | 4.68 | 3.58 | 4.46 | | |
| 23 | 10.20 | 13.14 | 13.56 | 12.72 | 42.16 | 121.10 | 53.52 | 13.14 | 8.10 | 5.12 | 3.36 | 4.02 | | |
| 24 | 9.36 | 17.05 | 12.72 | 34.24 | 40.00 | 94.25 | 52.73 | 13.14 | 7.68 | 4.90 | 3.58 | 3.36 | | |
| 25 | 8.94 | 45.35 | 11.88 | 68.10 | 39.28 | 80.00 | 49.57 | 13.14 | 7.68 | 4.68 | 3.58 | 3.14 | | |
| 26 | 12.30 | 25.00 | 13.56 | 54.31 | 63.85 | 72.35 | 47.99 | 13.14 | 7.26 | 4.68 | 3.58 | 2.48 | | |
| 27 | 11.88 | 21.82 | 16.52 | 95.20 | 88.55 | 66.40 | 46.48 | 12.72 | 7.26 | 4.68 | 3.58 | 2.04 | | |
| 28 | 15.46 | 20.76 | 13.14 | 84.75 | 102.15 | 62.21 | 45.76 | 12.30 | 6.84 | 4.68 | 3.58 | 2.26 | | |
| 29 | 23.94 | 17.05 | 12.30 | 57.47 | 75.75 | 69.80 | 45.04 | 12.30 | 6.42 | 5.12 | | 2.26 | | |
| 30 | 25.00 | 19.70 | 13.56 | 46.48 | 94.25 | 60.63 | 43.60 | 12.30 | 6.00 | 4.68 | | 2.26 | | |
| 31 | | 19.70 | | 104.25 | 114.75 | | 21.82 | | 5.78 | 4.46 | | 2.26 | | |
| Total | 336.61 | 477.92 | 394.89 | 897.57 | 2130.95 | 2608.76 | 2188.86 | 487.15 | 275.24 | 171.48 | 110.36 | 100.20 | 10179.99 | CMSDAY |
| Mean | 11.22 | 15.42 | 13.16 | 28.95 | 68.74 | 86.96 | 70.61 | 16.24 | 8.88 | 5.53 | 3.94 | 3.23 | 27.89 | CMS |
| Max | 25.00 | 45.35 | 18.64 | 104.25 | 235.90 | 232.60 | 264.25 | 23.41 | 11.88 | 7.26 | 4.68 | 4.46 | 264.25 | CMS |
| Min | 1.60 | 10.20 | 9.36 | 10.62 | 39.28 | 44.32 | 21.82 | 12.30 | 5.78 | 4.46 | 3.36 | 2.04 | 1.60 | CMS |
| Runoff | 29.08 | 41.29 | 34.12 | 77.55 | 184.11 | 225.40 | 189.12 | 42.09 | 23.78 | 14.82 | 9.54 | 8.66 | 879.55 | MCM |

Momentary Peak 325.50 CMS. at 382.78 m. (MSL.) at 11.00 Hours , on Oct 9, 2006

Runoff Yield 20.74 Liters/Second/Square KM. Momentary Peak Yield 242.01 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Rim at Ban Mae Rim Tai , Chiang Mai (P.21)

Lat 18 - 55 - 45 N Long 98 - 56 - 40 E

**Location : on left bank about 100 meters downstream from the bridge of Chiang Mai - Fang Highway.**

**Ban** Mae Rim Tai **Amphoe** Mae Rim **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 452 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +319.700 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | In the vicinity of gage observer's house. **Elevation** +323.816 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00,15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1954 - 1960 , 1977 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1954 - 1960 , 1977 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 19 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

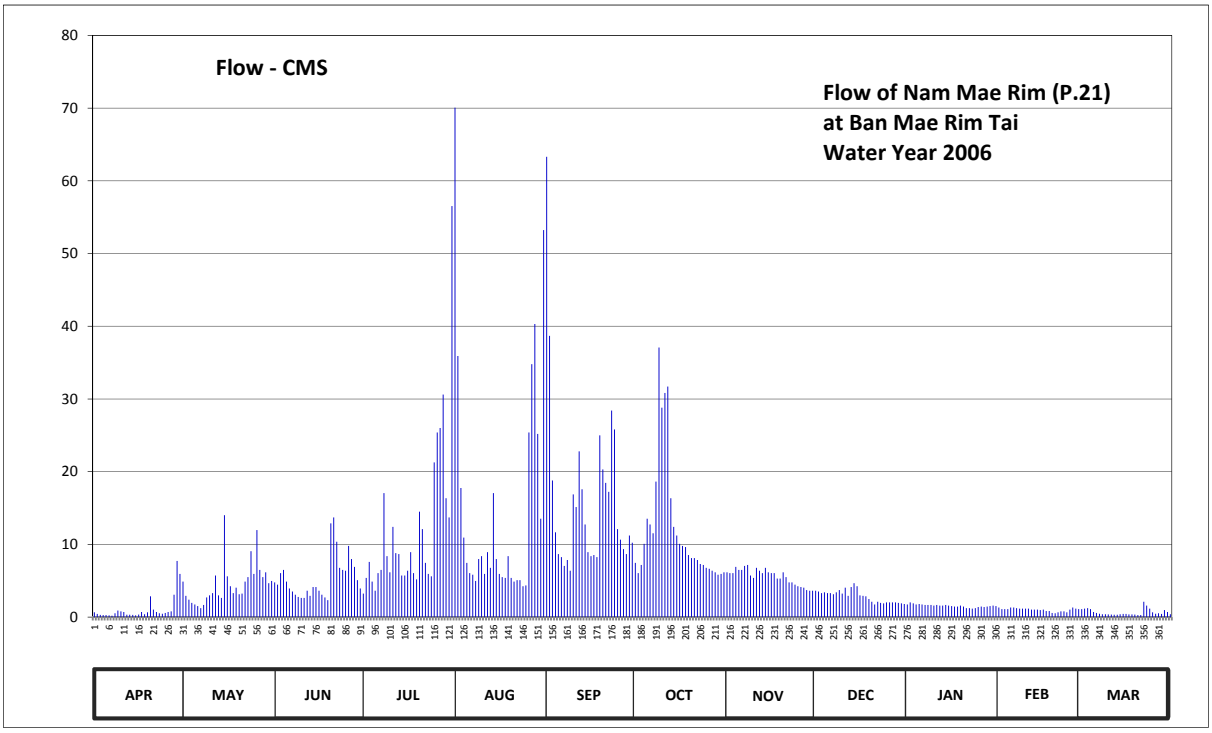
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 320.33 | 320.85 | 320.84 | 320.69 | 324.01 | 323.75 | 321.07 | 320.97 | 320.73 | 320.49 | 320.43 | 320.40 | |
| 2 | 320.29 | 320.65 | 320.81 | 320.90 | 322.64 | 322.76 | 320.96 | 320.96 | 320.72 | 320.53 | 320.40 | 320.41 | |
| 3 | 320.24 | 320.58 | 320.96 | 321.08 | 321.74 | 321.80 | 321.05 | 320.96 | 320.70 | 320.51 | 320.40 | 320.42 | |
| 4 | 320.23 | 320.52 | 321.00 | 320.85 | 321.32 | 321.37 | 321.26 | 321.03 | 320.71 | 320.49 | 320.40 | 320.40 | |
| 5 | 320.23 | 320.49 | 320.85 | 320.73 | 321.07 | 321.16 | 321.49 | 321.00 | 320.70 | 320.50 | 320.43 | 320.34 | |
| 6 | 320.21 | 320.46 | 320.76 | 320.96 | 320.96 | 321.13 | 321.44 | 321.00 | 320.70 | 320.49 | 320.43 | 320.32 | |
| 7 | 320.20 | 320.42 | 320.72 | 321.00 | 320.94 | 321.04 | 321.36 | 321.04 | 320.68 | 320.48 | 320.42 | 320.30 | |
| 8 | 320.31 | 320.48 | 320.67 | 321.70 | 320.86 | 321.10 | 321.79 | 321.05 | 320.71 | 320.48 | 320.41 | 320.28 | |
| 9 | 320.37 | 320.62 | 320.63 | 321.14 | 321.11 | 320.99 | 322.69 | 320.93 | 320.74 | 320.48 | 320.41 | 320.28 | |
| 10 | 320.35 | 320.66 | 320.61 | 320.97 | 321.14 | 321.69 | 322.31 | 320.90 | 320.69 | 320.47 | 320.41 | 320.27 | |
| 11 | 320.34 | 320.70 | 320.61 | 321.42 | 320.95 | 321.59 | 322.41 | 321.02 | 320.77 | 320.48 | 320.41 | 320.26 | |
| 12 | 320.25 | 320.93 | 320.73 | 321.17 | 321.18 | 322.01 | 322.45 | 320.99 | 320.65 | 320.47 | 320.39 | 320.25 | |
| 13 | 320.25 | 320.66 | 320.65 | 321.16 | 321.02 | 321.73 | 321.66 | 320.96 | 320.78 | 320.47 | 320.39 | 320.25 | |
| 14 | 320.24 | 320.61 | 320.78 | 320.93 | 321.70 | 321.44 | 321.42 | 321.02 | 320.83 | 320.48 | 320.39 | 320.28 | |
| 15 | 320.22 | 321.52 | 320.78 | 320.93 | 321.11 | 321.18 | 321.34 | 320.97 | 320.79 | 320.47 | 320.38 | 320.29 | |
| 16 | 320.26 | 320.92 | 320.73 | 320.99 | 320.95 | 321.14 | 321.26 | 320.96 | 320.66 | 320.46 | 320.39 | 320.29 | |
| 17 | 320.34 | 320.79 | 320.67 | 321.18 | 320.91 | 321.15 | 321.24 | 320.96 | 320.65 | 320.45 | 320.36 | 320.27 | |
| 18 | 320.28 | 320.70 | 320.62 | 320.96 | 320.90 | 321.13 | 321.23 | 320.89 | 320.64 | 320.45 | 320.36 | 320.27 | |
| 19 | 320.33 | 320.77 | 320.57 | 320.88 | 321.14 | 322.12 | 321.15 | 320.89 | 320.59 | 320.47 | 320.32 | 320.26 | |
| 20 | 320.64 | 320.68 | 321.45 | 321.55 | 320.90 | 321.88 | 321.12 | 320.97 | 320.54 | 320.45 | 320.31 | 320.23 | |
| 21 | 320.39 | 320.69 | 321.50 | 321.40 | 320.85 | 321.78 | 321.12 | 320.91 | 320.49 | 320.42 | 320.33 | 320.23 | |
| 22 | 320.34 | 320.85 | 321.28 | 321.07 | 320.87 | 321.71 | 321.10 | 320.84 | 320.54 | 320.42 | 320.35 | 320.54 | |
| 23 | 320.31 | 320.91 | 321.02 | 320.95 | 320.87 | 322.29 | 321.06 | 320.84 | 320.52 | 320.41 | 320.35 | 320.47 | |
| 24 | 320.30 | 321.19 | 321.00 | 320.92 | 320.79 | 322.16 | 321.05 | 320.81 | 320.51 | 320.42 | 320.33 | 320.41 | |
| 25 | 320.32 | 320.95 | 320.99 | 321.93 | 320.80 | 321.40 | 321.02 | 320.79 | 320.53 | 320.44 | 320.39 | 320.33 | |
| 26 | 320.34 | 321.39 | 321.24 | 322.14 | 322.14 | 321.30 | 321.01 | 320.78 | 320.53 | 320.45 | 320.43 | 320.30 | |
| 27 | 320.35 | 321.00 | 321.11 | 322.17 | 322.59 | 321.21 | 320.99 | 320.77 | 320.53 | 320.44 | 320.41 | 320.31 | |
| 28 | 320.67 | 320.91 | 321.03 | 322.40 | 322.83 | 321.16 | 320.97 | 320.74 | 320.53 | 320.45 | 320.40 | 320.29 | |
| 29 | 321.09 | 320.97 | 320.87 | 321.66 | 322.13 | 321.34 | 320.94 | 320.73 | 320.52 | 320.46 | | 320.38 | |
| 30 | 320.95 | 320.83 | 320.76 | 321.50 | 321.49 | 321.27 | 320.95 | 320.73 | 320.51 | 320.47 | | 320.34 | |
| 31 | | 320.86 | | 323.49 | 323.36 | | 320.97 | | 320.50 | 320.46 | | 320.28 | |
| Mean | 320.37 | 320.79 | 320.87 | 321.32 | 321.46 | 321.59 | 321.35 | 320.91 | 320.64 | 320.46 | 320.39 | 320.32 | |
| Max | 321.09 | 321.52 | 321.50 | 323.49 | 324.01 | 323.75 | 322.69 | 321.05 | 320.83 | 320.53 | 320.43 | 320.54 | 324.01 |
| Min | 320.20 | 320.42 | 320.57 | 320.69 | 320.79 | 320.99 | 320.94 | 320.73 | 320.49 | 320.41 | 320.31 | 320.23 | 320.20 |

Annual Max Momentary Gage Height 324.45 m. (MSL.) , at 24.00 Hours , on Jul 31, 2006

Zero Gage at Bottom Elevation 319.70 m. (MSL.) , River Bed 319.70 m. (MSL.)

Left Bank Elevation 325.15 m. (MSL.) ,

Right Bank Elevation 325.15 m. (MSL.) , Drainage Are 452 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.65 | 4.88 | 4.77 | 3.23 | 70.06 | 63.30 | 7.45 | 6.17 | 3.62 | 1.73 | 1.31 | 1.10 | | |
| 2 | 0.43 | 2.93 | 4.46 | 5.40 | 35.92 | 38.68 | 6.06 | 6.06 | 3.51 | 2.03 | 1.10 | 1.17 | | |
| 3 | 0.30 | 2.40 | 6.06 | 7.58 | 17.75 | 18.80 | 7.18 | 6.06 | 3.30 | 1.88 | 1.10 | 1.24 | | |
| 4 | 0.28 | 1.95 | 6.50 | 4.88 | 10.94 | 11.67 | 10.07 | 6.91 | 3.41 | 1.73 | 1.10 | 1.10 | | |
| 5 | 0.28 | 1.73 | 4.88 | 3.62 | 7.45 | 8.66 | 13.54 | 6.50 | 3.30 | 1.80 | 1.31 | 0.71 | | |
| 6 | 0.23 | 1.52 | 3.93 | 6.06 | 6.06 | 8.26 | 12.74 | 6.50 | 3.30 | 1.73 | 1.31 | 0.58 | | |
| 7 | 0.20 | 1.24 | 3.51 | 6.50 | 5.84 | 7.04 | 11.52 | 7.04 | 3.15 | 1.66 | 1.24 | 0.45 | | |
| 8 | 0.52 | 1.66 | 3.08 | 17.05 | 4.98 | 7.85 | 18.63 | 7.18 | 3.41 | 1.66 | 1.17 | 0.40 | | |
| 9 | 0.91 | 2.70 | 2.78 | 8.39 | 7.99 | 6.39 | 37.07 | 5.73 | 3.72 | 1.66 | 1.17 | 0.40 | | |
| 10 | 0.78 | 3.00 | 2.63 | 6.17 | 8.39 | 16.88 | 28.80 | 5.40 | 3.23 | 1.59 | 1.17 | 0.38 | | |
| 11 | 0.71 | 3.30 | 2.63 | 12.42 | 5.95 | 15.14 | 30.82 | 6.77 | 4.04 | 1.66 | 1.17 | 0.35 | | |
| 12 | 0.33 | 5.73 | 3.62 | 8.80 | 8.93 | 22.80 | 31.70 | 6.39 | 2.93 | 1.59 | 1.04 | 0.33 | | |
| 13 | 0.33 | 3.00 | 2.93 | 8.66 | 6.77 | 17.58 | 16.35 | 6.06 | 4.14 | 1.59 | 1.04 | 0.33 | | |
| 14 | 0.30 | 2.63 | 4.14 | 5.73 | 17.05 | 12.74 | 12.42 | 6.77 | 4.67 | 1.66 | 1.04 | 0.40 | | |
| 15 | 0.25 | 14.02 | 4.14 | 5.73 | 7.99 | 8.93 | 11.23 | 6.17 | 4.25 | 1.59 | 0.97 | 0.43 | | |
| 16 | 0.35 | 5.62 | 3.62 | 6.39 | 5.95 | 8.39 | 10.07 | 6.06 | 3.00 | 1.52 | 1.04 | 0.43 | | |
| 17 | 0.71 | 4.25 | 3.08 | 8.93 | 5.51 | 8.53 | 9.78 | 6.06 | 2.93 | 1.45 | 0.84 | 0.38 | | |
| 18 | 0.40 | 3.30 | 2.70 | 6.06 | 5.40 | 8.26 | 9.64 | 5.30 | 2.85 | 1.45 | 0.84 | 0.38 | | |
| 19 | 0.65 | 4.04 | 2.33 | 5.19 | 8.39 | 25.00 | 8.53 | 5.30 | 2.48 | 1.59 | 0.58 | 0.35 | | |
| 20 | 2.85 | 3.15 | 12.90 | 14.50 | 5.40 | 20.32 | 8.12 | 6.17 | 2.10 | 1.45 | 0.52 | 0.28 | | |
| 21 | 1.04 | 3.23 | 13.70 | 12.10 | 4.88 | 18.45 | 8.12 | 5.51 | 1.73 | 1.24 | 0.65 | 0.28 | | |
| 22 | 0.71 | 4.88 | 10.36 | 7.45 | 5.09 | 17.23 | 7.85 | 4.77 | 2.10 | 1.24 | 0.78 | 2.10 | | |
| 23 | 0.52 | 5.51 | 6.77 | 5.95 | 5.09 | 28.40 | 7.31 | 4.77 | 1.95 | 1.17 | 0.78 | 1.59 | | |
| 24 | 0.45 | 9.07 | 6.50 | 5.62 | 4.25 | 25.80 | 7.18 | 4.46 | 1.88 | 1.24 | 0.65 | 1.17 | | |
| 25 | 0.58 | 5.95 | 6.39 | 21.27 | 4.35 | 12.10 | 6.77 | 4.25 | 2.03 | 1.38 | 1.04 | 0.65 | | |
| 26 | 0.71 | 11.96 | 9.78 | 25.40 | 25.40 | 10.65 | 6.64 | 4.14 | 2.03 | 1.45 | 1.31 | 0.45 | | |
| 27 | 0.78 | 6.50 | 7.99 | 26.00 | 34.78 | 9.35 | 6.39 | 4.04 | 2.03 | 1.38 | 1.17 | 0.52 | | |
| 28 | 3.08 | 5.51 | 6.91 | 30.60 | 40.32 | 8.66 | 6.17 | 3.72 | 2.03 | 1.45 | 1.10 | 0.43 | | |
| 29 | 7.72 | 6.17 | 5.09 | 16.35 | 25.20 | 11.23 | 5.84 | 3.62 | 1.95 | 1.52 | | 0.97 | | |
| 30 | 5.95 | 4.67 | 3.93 | 13.70 | 13.54 | 10.22 | 5.95 | 3.62 | 1.88 | 1.59 | | 0.71 | | |
| 31 | | 4.98 | | 56.54 | 53.22 | | 6.17 | | 1.80 | 1.52 | | 0.40 | | |
| Total | 33.00 | 141.48 | 162.11 | 372.27 | 468.84 | 487.31 | 376.11 | 167.50 | 88.75 | 48.20 | 28.54 | 20.46 | 2394.57 | CMSDAY |
| Mean | 1.10 | 4.56 | 5.40 | 12.01 | 15.12 | 16.24 | 12.13 | 5.58 | 2.86 | 1.55 | 1.02 | 0.66 | 6.56 | CMS |
| Max | 7.72 | 14.02 | 13.70 | 56.54 | 70.06 | 63.30 | 37.07 | 7.18 | 4.67 | 2.03 | 1.31 | 2.10 | 70.06 | CMS |
| Min | 0.20 | 1.24 | 2.33 | 3.23 | 4.25 | 6.39 | 5.84 | 3.62 | 1.73 | 1.17 | 0.52 | 0.28 | 0.20 | CMS |
| Runoff | 2.85 | 12.22 | 14.01 | 32.16 | 40.51 | 42.10 | 32.50 | 14.47 | 7.67 | 4.16 | 2.47 | 1.77 | 206.89 | MCM |

Momentary Peak 81.55 CMS. at 324.45 m. (MSL.) at 24.00 Hours , on Jul 31, 2006

Runoff Yield 14.51 Liters/Second/Square KM. Momentary Peak Yield 180.42 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Klang at Pracha Uthit Bridge , Chiang Mai (P.24A)

Lat 18 - 25 - 02 N Long 98 - 40 - 29 E

**Location : on left bank at Pracha Uthit Bridge.**

**Ban** Pracha Uthit Bridge **Amphoe** Chom Thong **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 452 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +275.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | near the gage observer's house. **Elevation** +277.954 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00,09.00,12.00,15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1973 to date |
| **Rating Operation** | |
| **Period of Rating** | 1973 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1973 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

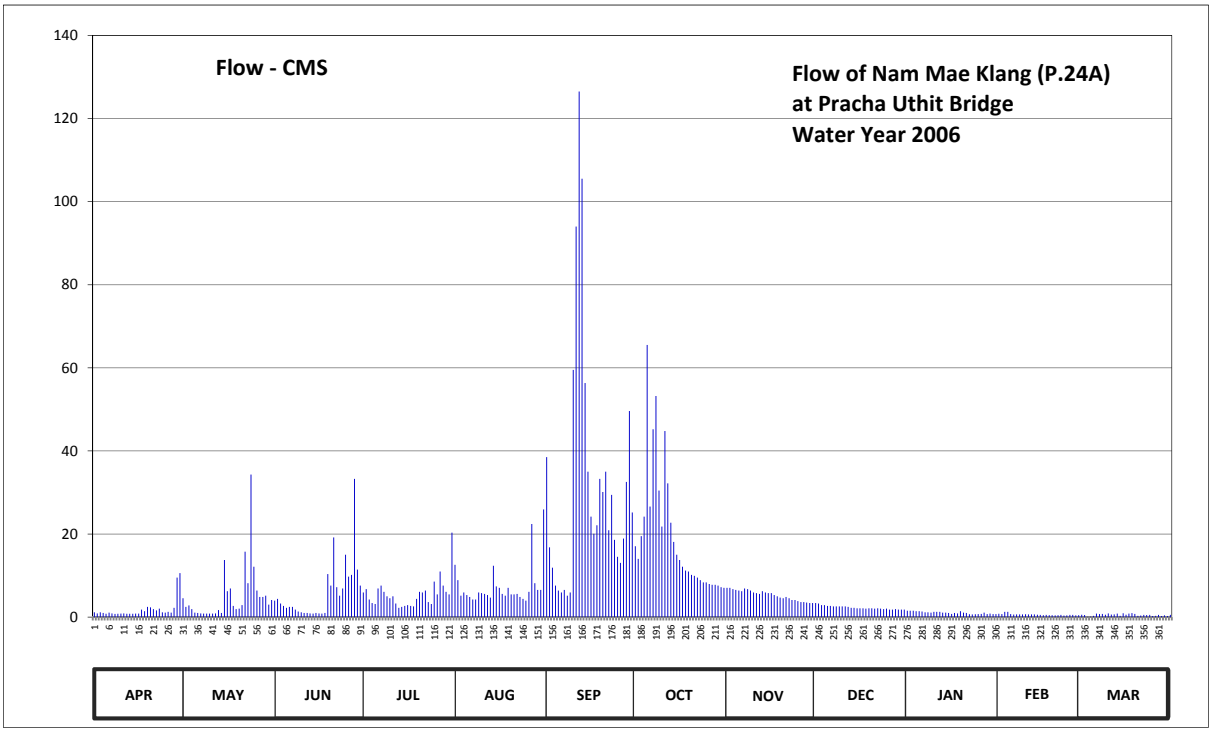
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 275.73 | 276.03 | 275.99 | 276.12 | 276.46 | 277.30 | 276.64 | 276.19 | 275.94 | 275.77 | 275.68 | 275.62 | |
| 2 | 275.70 | 275.86 | 276.02 | 276.17 | 276.29 | 276.63 | 276.52 | 276.19 | 275.93 | 275.77 | 275.66 | 275.60 | |
| 3 | 275.73 | 275.89 | 275.93 | 276.01 | 276.07 | 276.43 | 276.73 | 276.17 | 275.90 | 275.77 | 275.74 | 275.58 | |
| 4 | 275.71 | 275.81 | 275.88 | 275.94 | 276.12 | 276.22 | 276.89 | 276.16 | 275.90 | 275.76 | 275.74 | 275.62 | |
| 5 | 275.68 | 275.72 | 275.84 | 275.92 | 276.08 | 276.15 | 277.92 | 276.15 | 275.88 | 275.76 | 275.66 | 275.76 | |
| 6 | 275.72 | 275.71 | 275.86 | 276.18 | 276.05 | 276.12 | 276.96 | 276.14 | 275.88 | 275.75 | 275.63 | 275.96 | |
| 7 | 275.70 | 275.70 | 275.86 | 276.22 | 276.01 | 276.16 | 277.48 | 276.18 | 275.87 | 275.73 | 275.64 | 275.93 | |
| 8 | 275.67 | 275.69 | 275.80 | 276.13 | 276.01 | 276.07 | 277.66 | 276.17 | 275.87 | 275.73 | 275.64 | 275.94 | |
| 9 | 275.68 | 275.69 | 275.75 | 276.06 | 276.12 | 276.12 | 277.07 | 276.15 | 275.87 | 275.72 | 275.64 | 275.89 | |
| 10 | 275.69 | 275.69 | 275.73 | 276.03 | 276.11 | 277.80 | 276.81 | 276.12 | 275.87 | 275.74 | 275.65 | 275.97 | |
| 11 | 275.70 | 275.69 | 275.71 | 276.06 | 276.10 | 278.49 | 277.47 | 276.11 | 275.87 | 275.74 | 275.64 | 275.90 | |
| 12 | 275.68 | 275.70 | 275.71 | 275.93 | 276.08 | 279.05 | 277.12 | 276.10 | 275.86 | 275.74 | 275.64 | 275.91 | |
| 13 | 275.68 | 275.79 | 275.70 | 275.84 | 276.04 | 278.70 | 276.84 | 276.14 | 275.84 | 275.72 | 275.64 | 275.96 | |
| 14 | 275.68 | 275.71 | 275.69 | 275.86 | 276.45 | 277.73 | 276.68 | 276.12 | 275.84 | 275.72 | 275.62 | 275.75 | |
| 15 | 275.69 | 276.51 | 275.71 | 275.88 | 276.21 | 277.20 | 276.56 | 276.11 | 275.83 | 275.71 | 275.61 | 275.98 | |
| 16 | 275.69 | 276.14 | 275.70 | 275.90 | 276.19 | 276.89 | 276.51 | 276.11 | 275.83 | 275.67 | 275.59 | 275.89 | |
| 17 | 275.80 | 276.18 | 275.69 | 275.88 | 276.10 | 276.75 | 276.44 | 276.08 | 275.83 | 275.71 | 275.61 | 275.96 | |
| 18 | 275.76 | 275.88 | 275.71 | 275.87 | 276.07 | 276.82 | 276.40 | 276.06 | 275.82 | 275.70 | 275.59 | 275.99 | |
| 19 | 275.86 | 275.81 | 276.36 | 276.02 | 276.19 | 277.15 | 276.39 | 276.04 | 275.83 | 275.76 | 275.59 | 275.94 | |
| 20 | 275.85 | 275.82 | 276.22 | 276.13 | 276.09 | 277.06 | 276.35 | 276.03 | 275.83 | 275.72 | 275.58 | 275.75 | |
| 21 | 275.81 | 275.90 | 276.72 | 276.12 | 276.09 | 277.20 | 276.34 | 276.05 | 275.82 | 275.71 | 275.59 | 275.79 | |
| 22 | 275.78 | 276.59 | 276.20 | 276.15 | 276.10 | 276.78 | 276.32 | 276.03 | 275.83 | 275.65 | 275.61 | 275.86 | |
| 23 | 275.82 | 276.25 | 276.07 | 275.96 | 276.05 | 277.04 | 276.29 | 276.00 | 275.82 | 275.64 | 275.56 | 275.85 | |
| 24 | 275.73 | 277.18 | 276.18 | 275.92 | 276.02 | 276.70 | 276.26 | 276.00 | 275.81 | 275.65 | 275.58 | 275.86 | |
| 25 | 275.72 | 276.44 | 276.56 | 276.27 | 275.99 | 276.54 | 276.26 | 275.98 | 275.82 | 275.66 | 275.61 | 275.73 | |
| 26 | 275.74 | 276.15 | 276.33 | 276.09 | 276.13 | 276.48 | 276.24 | 275.96 | 275.80 | 275.67 | 275.61 | 275.76 | |
| 27 | 275.72 | 276.05 | 276.35 | 276.39 | 276.83 | 276.71 | 276.23 | 275.96 | 275.80 | 275.72 | 275.57 | 275.87 | |
| 28 | 275.84 | 276.05 | 277.15 | 276.22 | 276.25 | 277.13 | 276.23 | 275.95 | 275.81 | 275.66 | 275.59 | 275.73 | |
| 29 | 276.32 | 276.07 | 276.41 | 276.13 | 276.16 | 277.58 | 276.22 | 275.94 | 275.80 | 275.69 | | 275.82 | |
| 30 | 276.37 | 275.91 | 276.22 | 276.09 | 276.16 | 276.92 | 276.20 | 275.94 | 275.80 | 275.66 | | 275.74 | |
| 31 | | 276.00 | | 276.76 | 276.94 | | 276.19 | | 275.80 | 275.66 | | 275.86 | |
| Mean | 275.77 | 275.99 | 276.03 | 276.07 | 276.18 | 277.00 | 276.65 | 276.08 | 275.85 | 275.71 | 275.63 | 275.83 | |
| Max | 276.37 | 277.18 | 277.15 | 276.76 | 276.94 | 279.05 | 277.92 | 276.19 | 275.94 | 275.77 | 275.74 | 275.99 | 279.05 |
| Min | 275.67 | 275.69 | 275.69 | 275.84 | 275.99 | 276.07 | 276.19 | 275.94 | 275.80 | 275.64 | 275.56 | 275.58 | 275.56 |

Annual Max Momentary Gage Height 279.32 m. (MSL.) , at 10.00 Hours , on Sep 12, 2006

Zero Gage at Bottom Elevation 275.00 m. (MSL.) , River Bed 275.22 m. (MSL.)

Left Bank Elevation 280.19 m. (MSL.) ,

Right Bank Elevation 280.09 m. (MSL.) , Drainage Are 452 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.17 | 4.55 | 3.98 | 5.92 | 12.58 | 38.50 | 17.04 | 7.04 | 3.38 | 1.53 | 0.82 | 0.58 | | |
| 2 | 0.90 | 2.46 | 4.40 | 6.72 | 8.91 | 16.78 | 14.00 | 7.04 | 3.26 | 1.53 | 0.74 | 0.50 | | |
| 3 | 1.17 | 2.79 | 3.26 | 4.25 | 5.15 | 11.89 | 19.47 | 6.72 | 2.90 | 1.53 | 1.26 | 0.09 | | |
| 4 | 0.99 | 1.91 | 2.68 | 3.38 | 5.92 | 7.58 | 24.20 | 6.56 | 2.90 | 1.44 | 1.26 | 0.12 | | |
| 5 | 0.82 | 1.08 | 2.24 | 3.14 | 5.30 | 6.40 | 65.50 | 6.40 | 2.68 | 1.44 | 0.74 | 0.32 | | |
| 6 | 1.08 | 0.99 | 2.46 | 6.88 | 4.85 | 5.92 | 26.60 | 6.24 | 2.68 | 1.35 | 0.62 | 0.84 | | |
| 7 | 0.90 | 0.90 | 2.46 | 7.58 | 4.25 | 6.56 | 45.20 | 6.88 | 2.57 | 1.17 | 0.66 | 0.72 | | |
| 8 | 0.78 | 0.86 | 1.80 | 6.08 | 4.25 | 5.15 | 53.20 | 6.72 | 2.57 | 1.17 | 0.66 | 0.76 | | |
| 9 | 0.82 | 0.86 | 1.35 | 5.00 | 5.92 | 5.92 | 30.45 | 6.40 | 2.57 | 1.08 | 0.66 | 0.58 | | |
| 10 | 0.86 | 0.86 | 1.17 | 4.55 | 5.76 | 59.50 | 21.80 | 5.92 | 2.57 | 1.26 | 0.70 | 0.88 | | |
| 11 | 0.90 | 0.86 | 0.99 | 5.00 | 5.60 | 94.00 | 44.80 | 5.76 | 2.57 | 1.26 | 0.66 | 0.60 | | |
| 12 | 0.82 | 0.90 | 0.99 | 3.26 | 5.30 | 126.50 | 32.20 | 5.60 | 2.46 | 1.26 | 0.66 | 0.64 | | |
| 13 | 0.82 | 1.71 | 0.90 | 2.24 | 4.70 | 105.50 | 22.70 | 6.24 | 2.24 | 1.08 | 0.66 | 0.84 | | |
| 14 | 0.82 | 0.99 | 0.86 | 2.46 | 12.35 | 56.35 | 18.08 | 5.92 | 2.24 | 1.08 | 0.58 | 0.30 | | |
| 15 | 0.86 | 13.75 | 0.99 | 2.68 | 7.39 | 35.00 | 15.00 | 5.76 | 2.13 | 0.99 | 0.54 | 0.92 | | |
| 16 | 0.86 | 6.24 | 0.90 | 2.90 | 7.04 | 24.20 | 13.75 | 5.76 | 2.13 | 0.78 | 0.47 | 0.58 | | |
| 17 | 1.80 | 6.88 | 0.86 | 2.68 | 5.60 | 20.05 | 12.12 | 5.30 | 2.13 | 0.99 | 0.54 | 0.84 | | |
| 18 | 1.44 | 2.68 | 0.99 | 2.57 | 5.15 | 22.10 | 11.20 | 5.00 | 2.02 | 0.90 | 0.47 | 0.96 | | |
| 19 | 2.46 | 1.91 | 10.36 | 4.40 | 7.04 | 33.25 | 10.99 | 4.70 | 2.13 | 1.44 | 0.47 | 0.76 | | |
| 20 | 2.35 | 2.02 | 7.58 | 6.08 | 5.45 | 30.10 | 10.15 | 4.55 | 2.13 | 1.08 | 0.44 | 0.30 | | |
| 21 | 1.91 | 2.90 | 19.18 | 5.92 | 5.45 | 35.00 | 9.94 | 4.85 | 2.02 | 0.99 | 0.47 | 0.38 | | |
| 22 | 1.62 | 15.75 | 7.20 | 6.40 | 5.60 | 20.92 | 9.52 | 4.55 | 2.13 | 0.70 | 0.54 | 0.52 | | |
| 23 | 2.02 | 8.15 | 5.15 | 3.62 | 4.85 | 29.40 | 8.91 | 4.10 | 2.02 | 0.66 | 0.38 | 0.50 | | |
| 24 | 1.17 | 34.30 | 6.88 | 3.14 | 4.40 | 18.60 | 8.34 | 4.10 | 1.91 | 0.70 | 0.44 | 0.52 | | |
| 25 | 1.08 | 12.12 | 15.00 | 8.53 | 3.98 | 14.50 | 8.34 | 3.86 | 2.02 | 0.74 | 0.54 | 0.26 | | |
| 26 | 1.26 | 6.40 | 9.73 | 5.45 | 6.08 | 13.04 | 7.96 | 3.62 | 1.80 | 0.78 | 0.54 | 0.32 | | |
| 27 | 1.08 | 4.85 | 10.15 | 10.99 | 22.40 | 18.89 | 7.77 | 3.62 | 1.80 | 1.08 | 0.41 | 0.54 | | |
| 28 | 2.24 | 4.85 | 33.25 | 7.58 | 8.15 | 32.55 | 7.77 | 3.50 | 1.91 | 0.74 | 0.47 | 0.26 | | |
| 29 | 9.52 | 5.15 | 11.43 | 6.08 | 6.56 | 49.60 | 7.58 | 3.38 | 1.80 | 0.86 | | 0.44 | | |
| 30 | 10.57 | 3.02 | 7.58 | 5.45 | 6.56 | 25.20 | 7.20 | 3.38 | 1.80 | 0.74 | | 0.28 | | |
| 31 | | 4.10 | | 20.34 | 25.90 | | 7.04 | | 1.80 | 0.74 | | 0.52 | | |
| Total | 55.09 | 156.79 | 176.77 | 171.27 | 228.44 | 968.95 | 598.82 | 159.47 | 71.27 | 33.09 | 17.40 | 16.67 | 2654.03 | CMSDAY |
| Mean | 1.84 | 5.06 | 5.89 | 5.52 | 7.37 | 32.30 | 19.32 | 5.32 | 2.30 | 1.07 | 0.62 | 0.54 | 7.27 | CMS |
| Max | 10.57 | 34.30 | 33.25 | 20.34 | 25.90 | 126.50 | 65.50 | 7.04 | 3.38 | 1.53 | 1.26 | 0.96 | 126.50 | CMS |
| Min | 0.78 | 0.86 | 0.86 | 2.24 | 3.98 | 5.15 | 7.04 | 3.38 | 1.80 | 0.66 | 0.38 | 0.09 | 0.09 | CMS |
| Runoff | 4.76 | 13.55 | 15.27 | 14.80 | 19.74 | 83.72 | 51.74 | 13.78 | 6.16 | 2.86 | 1.50 | 1.44 | 229.31 | MCM |

Momentary Peak 142.70 CMS. at 279.32 m. (MSL.) at 10.00 Hours , on Sep 12, 2006

Runoff Yield 16.09 Liters/Second/Square KM. Momentary Peak Yield 315.71 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Khlong Suan Mak at Ban Mai , Kamphaeng Phet (P.26A)

Lat 16 - 26 - 55 N Long 99 - 26 - 28 E

**Location : on right bank about 615 meters downstream from tha Kradan Wair.**

**Ban** Mai **Amphoe** Mueang **Changwat** Kamphaeng Phet

| | |
|---|---|
| **Drainge Area** | 974 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +84.110 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 30 meters from the south of Wat Sri Phirom. **Elevation** +89.637 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1971 to date |
| **Rating Operation** | |
| **Period of Rating** | 1972 - 1974 , 1980 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1972 - 1974 , 1980 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records very good. Flow effected by Tha Kradan weir about 3.5 kilometers above gage site. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

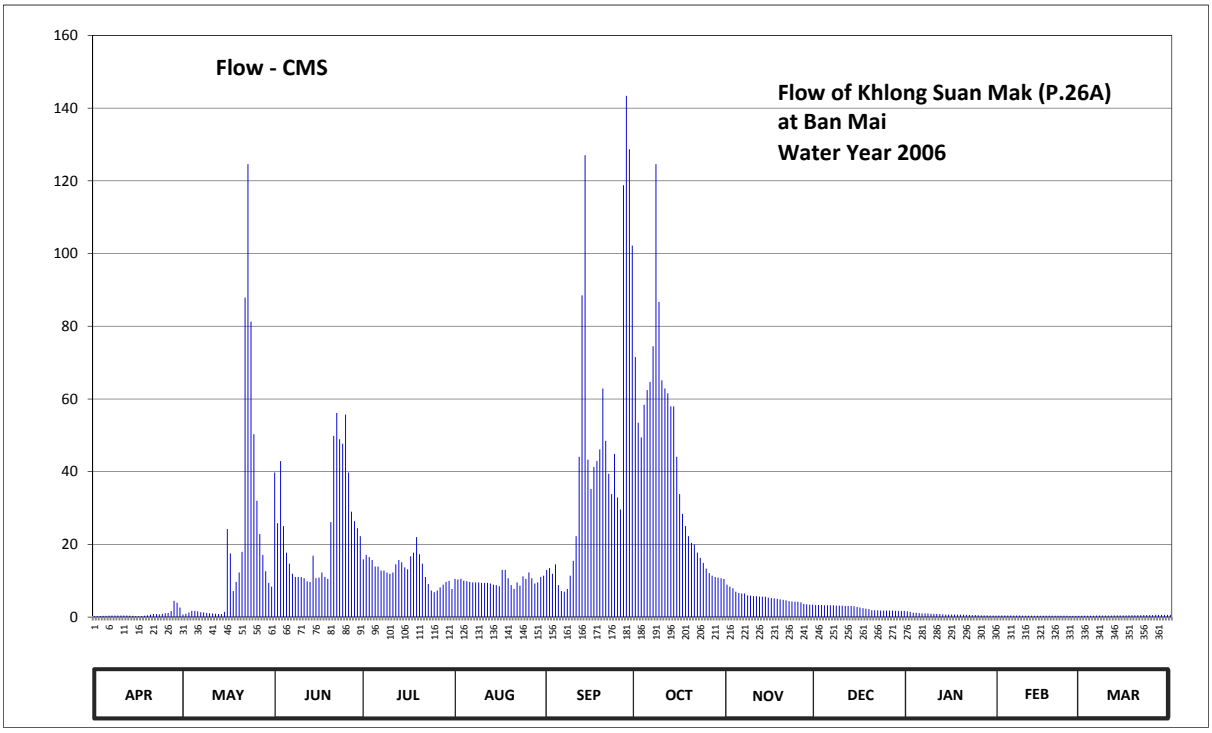
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 83.70 | 83.85 | 85.98 | 85.12 | 84.83 | 84.97 | 86.70 | 84.73 | 84.27 | 84.05 | 83.77 | 83.75 | |
| 2 | 83.71 | 83.92 | 85.54 | 85.18 | 84.82 | 85.00 | 86.31 | 84.69 | 84.27 | 84.03 | 83.77 | 83.75 | |
| 3 | 83.72 | 84.01 | 86.06 | 85.15 | 84.83 | 84.91 | 86.22 | 84.66 | 84.27 | 84.00 | 83.77 | 83.76 | |
| 4 | 83.73 | 84.07 | 85.51 | 85.11 | 84.80 | 85.05 | 86.42 | 84.60 | 84.26 | 83.99 | 83.77 | 83.76 | |
| 5 | 83.73 | 84.07 | 85.21 | 85.02 | 84.79 | 84.72 | 86.51 | 84.57 | 84.26 | 83.97 | 83.77 | 83.76 | |
| 6 | 83.76 | 84.05 | 85.06 | 85.02 | 84.78 | 84.61 | 86.56 | 84.56 | 84.26 | 83.95 | 83.77 | 83.77 | |
| 7 | 83.77 | 84.02 | 84.91 | 84.96 | 84.77 | 84.60 | 86.76 | 84.56 | 84.26 | 83.95 | 83.77 | 83.77 | |
| 8 | 83.77 | 84.01 | 84.86 | 84.96 | 84.77 | 84.65 | 87.51 | 84.52 | 84.25 | 83.94 | 83.77 | 83.77 | |
| 9 | 83.77 | 83.98 | 84.86 | 84.93 | 84.77 | 84.88 | 86.97 | 84.51 | 84.25 | 83.92 | 83.76 | 83.78 | |
| 10 | 83.77 | 83.96 | 84.86 | 84.91 | 84.76 | 85.10 | 86.57 | 84.50 | 84.25 | 83.91 | 83.76 | 83.78 | |
| 11 | 83.77 | 83.94 | 84.84 | 84.93 | 84.76 | 85.41 | 86.52 | 84.50 | 84.24 | 83.91 | 83.76 | 83.78 | |
| 12 | 83.77 | 83.92 | 84.79 | 85.05 | 84.76 | 86.09 | 86.49 | 84.49 | 84.24 | 83.89 | 83.76 | 83.79 | |
| 13 | 83.75 | 83.89 | 84.78 | 85.11 | 84.75 | 87.00 | 86.41 | 84.49 | 84.24 | 83.87 | 83.76 | 83.79 | |
| 14 | 83.74 | 83.90 | 85.17 | 85.08 | 84.73 | 87.54 | 86.41 | 84.49 | 84.23 | 83.86 | 83.76 | 83.79 | |
| 15 | 83.71 | 84.03 | 84.84 | 85.01 | 84.72 | 86.07 | 86.09 | 84.47 | 84.21 | 83.86 | 83.76 | 83.80 | |
| 16 | 83.68 | 85.48 | 84.85 | 84.98 | 84.70 | 85.85 | 85.81 | 84.46 | 84.19 | 83.85 | 83.76 | 83.80 | |
| 17 | 83.71 | 85.20 | 84.93 | 85.16 | 84.97 | 86.02 | 85.63 | 84.45 | 84.17 | 83.85 | 83.76 | 83.80 | |
| 18 | 83.76 | 84.61 | 84.86 | 85.21 | 84.97 | 86.06 | 85.51 | 84.44 | 84.15 | 83.84 | 83.75 | 83.81 | |
| 19 | 83.79 | 84.78 | 84.83 | 85.40 | 84.84 | 86.14 | 85.41 | 84.43 | 84.13 | 83.84 | 83.75 | 83.81 | |
| 20 | 83.86 | 84.93 | 85.55 | 85.19 | 84.72 | 86.52 | 85.33 | 84.42 | 84.09 | 83.84 | 83.75 | 83.81 | |
| 21 | 83.91 | 85.22 | 86.23 | 85.06 | 84.65 | 86.20 | 85.31 | 84.41 | 84.09 | 83.83 | 83.75 | 83.81 | |
| 22 | 83.89 | 86.99 | 86.37 | 84.86 | 84.77 | 85.97 | 85.21 | 84.39 | 84.09 | 83.83 | 83.75 | 83.82 | |
| 23 | 83.87 | 87.51 | 86.21 | 84.74 | 84.71 | 85.81 | 85.14 | 84.38 | 84.08 | 83.82 | 83.75 | 83.82 | |
| 24 | 83.91 | 86.88 | 86.18 | 84.62 | 84.87 | 86.11 | 85.07 | 84.37 | 84.08 | 83.82 | 83.75 | 83.82 | |
| 25 | 83.96 | 86.24 | 86.36 | 84.59 | 84.83 | 85.78 | 84.99 | 84.37 | 84.08 | 83.81 | 83.74 | 83.82 | |
| 26 | 83.98 | 85.75 | 85.98 | 84.62 | 84.93 | 85.67 | 84.92 | 84.35 | 84.08 | 83.80 | 83.74 | 83.83 | |
| 27 | 84.06 | 85.43 | 85.65 | 84.68 | 84.84 | 87.44 | 84.88 | 84.30 | 84.08 | 83.79 | 83.74 | 83.83 | |
| 28 | 84.40 | 85.18 | 85.56 | 84.73 | 84.75 | 87.72 | 84.86 | 84.29 | 84.07 | 83.79 | 83.74 | 83.83 | |
| 29 | 84.34 | 84.95 | 85.49 | 84.78 | 84.77 | 87.56 | 84.85 | 84.28 | 84.07 | 83.78 | | 83.83 | |
| 30 | 84.19 | 84.76 | 85.41 | 84.80 | 84.86 | 87.21 | 84.84 | 84.28 | 84.07 | 83.78 | | 83.83 | |
| 31 | | 84.69 | | 84.65 | 84.88 | | 84.83 | | 84.07 | 83.77 | | 83.83 | |
| Mean | 83.85 | 84.78 | 85.39 | 84.96 | 84.80 | 85.89 | 85.84 | 84.47 | 84.17 | 83.88 | 83.76 | 83.80 | |
| Max | 84.40 | 87.51 | 86.37 | 85.40 | 84.97 | 87.72 | 87.51 | 84.73 | 84.27 | 84.05 | 83.77 | 83.83 | 87.72 |
| Min | 83.68 | 83.85 | 84.78 | 84.59 | 84.65 | 84.60 | 84.83 | 84.28 | 84.07 | 83.77 | 83.74 | 83.75 | 83.68 |

Annual Max Momentary Gage Height 87.83 m. (MSL.) , at 18.00 Hours , on Sep 27, 2006

Zero Gage at Bottom Elevation 84.11 m. (MSL.) , River Bed 82.72 m. (MSL.)

Left Bank Elevation 89.31 m. (MSL.) ,

Right Bank Elevation 91.47 m. (MSL.) , Drainage Are 974 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.25 | 0.68 | 39.80 | 15.90 | 10.53 | 12.98 | 71.50 | 8.95 | 3.33 | 1.58 | 0.43 | 0.38 | | |
| 2 | 0.28 | 0.92 | 25.85 | 17.10 | 10.35 | 13.50 | 53.45 | 8.35 | 3.33 | 1.43 | 0.43 | 0.38 | | |
| 3 | 0.30 | 1.28 | 42.90 | 16.50 | 10.53 | 11.93 | 49.40 | 7.90 | 3.33 | 1.20 | 0.43 | 0.40 | | |
| 4 | 0.33 | 1.73 | 25.03 | 15.70 | 10.00 | 14.50 | 58.40 | 7.00 | 3.24 | 1.17 | 0.43 | 0.40 | | |
| 5 | 0.33 | 1.73 | 17.73 | 13.90 | 9.85 | 8.80 | 62.45 | 6.63 | 3.24 | 1.10 | 0.43 | 0.40 | | |
| 6 | 0.40 | 1.58 | 14.70 | 13.90 | 9.70 | 7.15 | 64.70 | 6.50 | 3.24 | 1.03 | 0.43 | 0.43 | | |
| 7 | 0.43 | 1.35 | 11.93 | 12.80 | 9.55 | 7.00 | 74.50 | 6.50 | 3.24 | 1.03 | 0.43 | 0.43 | | |
| 8 | 0.43 | 1.28 | 11.05 | 12.80 | 9.55 | 7.75 | 124.58 | 6.00 | 3.15 | 0.99 | 0.43 | 0.43 | | |
| 9 | 0.43 | 1.13 | 11.05 | 12.28 | 9.55 | 11.40 | 86.70 | 5.88 | 3.15 | 0.92 | 0.40 | 0.45 | | |
| 10 | 0.43 | 1.06 | 11.05 | 11.93 | 9.40 | 15.50 | 65.15 | 5.75 | 3.15 | 0.89 | 0.40 | 0.45 | | |
| 11 | 0.43 | 0.99 | 10.70 | 12.28 | 9.40 | 22.28 | 62.90 | 5.75 | 3.06 | 0.89 | 0.40 | 0.45 | | |
| 12 | 0.43 | 0.92 | 9.85 | 14.50 | 9.40 | 44.10 | 61.55 | 5.63 | 3.06 | 0.82 | 0.40 | 0.48 | | |
| 13 | 0.38 | 0.82 | 9.70 | 15.70 | 9.25 | 88.50 | 57.95 | 5.63 | 3.06 | 0.75 | 0.40 | 0.48 | | |
| 14 | 0.35 | 0.85 | 16.90 | 15.10 | 8.95 | 127.05 | 57.95 | 5.63 | 2.97 | 0.71 | 0.40 | 0.48 | | |
| 15 | 0.28 | 1.43 | 10.70 | 13.70 | 8.80 | 43.30 | 44.10 | 5.38 | 2.79 | 0.71 | 0.40 | 0.50 | | |
| 16 | 0.20 | 24.20 | 10.88 | 13.15 | 8.50 | 35.25 | 33.85 | 5.25 | 2.63 | 0.68 | 0.40 | 0.50 | | |
| 17 | 0.28 | 17.50 | 12.28 | 16.70 | 12.98 | 41.30 | 28.40 | 5.13 | 2.48 | 0.68 | 0.40 | 0.50 | | |
| 18 | 0.40 | 7.15 | 11.05 | 17.73 | 12.98 | 42.90 | 25.03 | 5.00 | 2.33 | 0.64 | 0.38 | 0.54 | | |
| 19 | 0.48 | 9.70 | 10.53 | 22.00 | 10.70 | 46.10 | 22.28 | 4.88 | 2.18 | 0.64 | 0.38 | 0.54 | | |
| 20 | 0.71 | 12.28 | 26.13 | 17.30 | 8.80 | 62.90 | 20.43 | 4.75 | 1.88 | 0.64 | 0.38 | 0.54 | | |
| 21 | 0.89 | 17.95 | 49.85 | 14.70 | 7.75 | 48.50 | 19.98 | 4.63 | 1.88 | 0.61 | 0.38 | 0.54 | | |
| 22 | 0.82 | 87.90 | 56.15 | 11.05 | 9.55 | 39.45 | 17.73 | 4.41 | 1.88 | 0.61 | 0.38 | 0.57 | | |
| 23 | 0.75 | 124.58 | 48.95 | 9.10 | 8.65 | 33.85 | 16.30 | 4.32 | 1.80 | 0.57 | 0.38 | 0.57 | | |
| 24 | 0.89 | 81.30 | 47.70 | 7.30 | 11.23 | 44.90 | 14.90 | 4.23 | 1.80 | 0.57 | 0.38 | 0.57 | | |
| 25 | 1.06 | 50.30 | 55.70 | 6.88 | 10.53 | 32.90 | 13.33 | 4.23 | 1.80 | 0.54 | 0.35 | 0.57 | | |
| 26 | 1.13 | 32.00 | 39.80 | 7.30 | 12.28 | 29.60 | 12.10 | 4.05 | 1.80 | 0.50 | 0.35 | 0.61 | | |
| 27 | 1.65 | 22.83 | 29.00 | 8.20 | 10.70 | 118.80 | 11.40 | 3.60 | 1.80 | 0.48 | 0.35 | 0.61 | | |
| 28 | 4.50 | 17.10 | 26.40 | 8.95 | 9.25 | 143.40 | 11.05 | 3.51 | 1.73 | 0.48 | 0.35 | 0.61 | | |
| 29 | 3.96 | 12.63 | 24.48 | 9.70 | 9.55 | 128.70 | 10.88 | 3.42 | 1.73 | 0.45 | | 0.61 | | |
| 30 | 2.63 | 9.40 | 22.28 | 10.00 | 11.05 | 102.20 | 10.70 | 3.42 | 1.73 | 0.45 | | 0.61 | | |
| 31 | | 8.35 | | 7.75 | 11.40 | | 10.53 | | 1.73 | 0.43 | | 0.61 | | |
| Total | 25.83 | 552.92 | 740.12 | 401.90 | 310.71 | 1386.49 | 1274.17 | 162.31 | 78.52 | 24.19 | 11.10 | 15.64 | 4983.90 | CMSDAY |
| Mean | 0.86 | 17.84 | 24.67 | 12.96 | 10.02 | 46.22 | 41.10 | 5.41 | 2.53 | 0.78 | 0.40 | 0.50 | 13.65 | CMS |
| Max | 4.50 | 124.58 | 56.15 | 22.00 | 12.98 | 143.40 | 124.58 | 8.95 | 3.33 | 1.58 | 0.43 | 0.61 | 143.40 | CMS |
| Min | 0.20 | 0.68 | 9.70 | 6.88 | 7.75 | 7.00 | 10.53 | 3.42 | 1.73 | 0.43 | 0.35 | 0.38 | 0.20 | CMS |
| Runoff | 2.23 | 47.77 | 63.95 | 34.72 | 26.85 | 119.79 | 110.09 | 14.02 | 6.78 | 2.09 | 0.96 | 1.35 | 430.61 | MCM |

Momentary Peak 153.85 CMS. at 87.83 m. (MSL.) at 18.00 Hours , on Sep 27, 2006

Runoff Yield 14.09 Liters/Second/Square KM. Momentary Peak Yield 158.77 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Khlong Suan Mak at Ban Pong Nam Ron , Kamphaeng Phet (P.47)

Lat 16 - 20 - 04 N Long 99 - 26 - 16 E

**Location : on right bank at Ban Pong Ron.**

**Ban** Pong Nam Ron **Amphoe** Khlong Lan **Changwat** Kamphaeng Phet

| | |
|---|---|
| **Drainge Area** | 529 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +143.770 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 9 meters from the top staff gage. **Elevation** +153.134 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1983 to date |
| **Rating Operation** | |
| **Period of Rating** | 1983 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1983 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records very good. Stage-discharge relation defined by 30 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

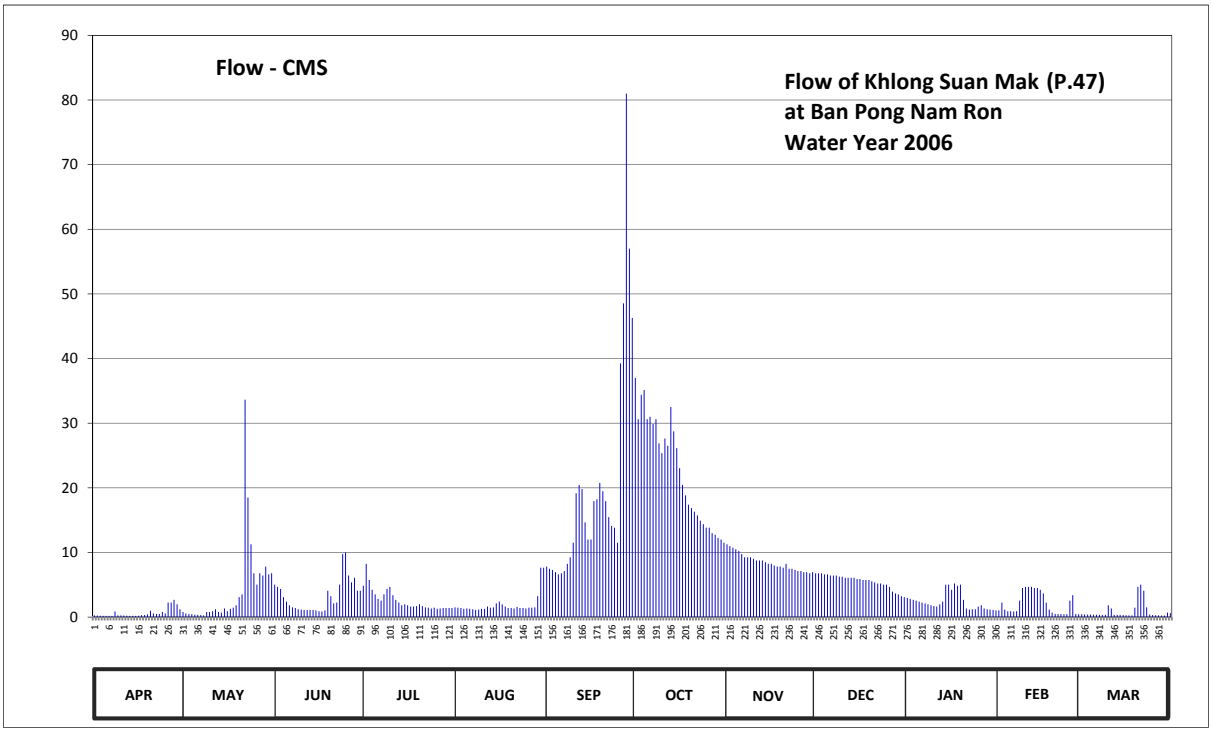
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 143.71 | 143.85 | 144.23 | 144.22 | 143.97 | 144.39 | 145.32 | 144.53 | 144.33 | 144.09 | 143.89 | 143.78 | |
| 2 | 143.70 | 143.81 | 144.21 | 144.41 | 143.96 | 144.37 | 145.15 | 144.52 | 144.33 | 144.08 | 144.04 | 143.77 | |
| 3 | 143.69 | 143.79 | 144.19 | 144.27 | 143.95 | 144.36 | 145.25 | 144.51 | 144.33 | 144.07 | 143.91 | 143.76 | |
| 4 | 143.68 | 143.78 | 144.10 | 144.18 | 143.93 | 144.34 | 145.27 | 144.50 | 144.32 | 144.06 | 143.87 | 143.76 | |
| 5 | 143.68 | 143.75 | 144.05 | 144.13 | 143.94 | 144.32 | 145.15 | 144.49 | 144.32 | 144.05 | 143.87 | 143.75 | |
| 6 | 143.68 | 143.74 | 144.01 | 144.08 | 143.93 | 144.33 | 145.16 | 144.47 | 144.31 | 144.04 | 143.86 | 143.75 | |
| 7 | 143.68 | 143.73 | 143.97 | 144.06 | 143.92 | 144.35 | 145.13 | 144.45 | 144.31 | 144.03 | 143.87 | 143.74 | |
| 8 | 143.86 | 143.71 | 143.95 | 144.13 | 143.90 | 144.41 | 145.15 | 144.45 | 144.31 | 144.02 | 144.06 | 143.74 | |
| 9 | 143.71 | 143.85 | 143.92 | 144.19 | 143.91 | 144.45 | 145.05 | 144.45 | 144.30 | 144.01 | 144.20 | 143.74 | |
| 10 | 143.71 | 143.85 | 143.91 | 144.21 | 143.93 | 144.54 | 145.01 | 144.44 | 144.30 | 144.00 | 144.21 | 144.01 | |
| 11 | 143.70 | 143.87 | 143.90 | 144.12 | 143.93 | 144.82 | 145.07 | 144.43 | 144.29 | 143.99 | 144.21 | 143.94 | |
| 12 | 143.69 | 143.92 | 143.90 | 144.07 | 143.99 | 144.86 | 145.04 | 144.43 | 144.29 | 144.02 | 144.21 | 143.74 | |
| 13 | 143.68 | 143.85 | 143.90 | 144.04 | 143.96 | 144.84 | 145.20 | 144.43 | 144.29 | 144.05 | 144.20 | 143.74 | |
| 14 | 143.68 | 143.83 | 143.90 | 144.01 | 143.97 | 144.66 | 145.10 | 144.42 | 144.29 | 144.23 | 144.20 | 143.74 | |
| 15 | 143.68 | 143.94 | 143.89 | 144.02 | 144.03 | 144.56 | 145.03 | 144.41 | 144.28 | 144.23 | 144.18 | 143.73 | |
| 16 | 143.69 | 143.87 | 143.87 | 144.01 | 144.05 | 144.56 | 144.94 | 144.41 | 144.28 | 144.18 | 144.14 | 143.72 | |
| 17 | 143.72 | 143.93 | 143.86 | 143.99 | 144.02 | 144.78 | 144.86 | 144.40 | 144.27 | 144.24 | 144.04 | 143.71 | |
| 18 | 143.73 | 143.96 | 143.89 | 143.99 | 143.99 | 144.79 | 144.81 | 144.39 | 144.27 | 144.22 | 143.91 | 143.71 | |
| 19 | 143.77 | 144.01 | 144.17 | 144.00 | 143.95 | 144.87 | 144.76 | 144.39 | 144.27 | 144.23 | 143.83 | 143.96 | |
| 20 | 143.88 | 144.10 | 144.11 | 144.02 | 143.95 | 144.83 | 144.74 | 144.38 | 144.26 | 144.07 | 143.80 | 144.21 | |
| 21 | 143.81 | 144.13 | 144.03 | 144.00 | 143.94 | 144.78 | 144.72 | 144.41 | 144.25 | 143.94 | 143.79 | 144.23 | |
| 22 | 143.80 | 145.23 | 144.04 | 143.97 | 143.98 | 144.69 | 144.70 | 144.37 | 144.24 | 143.91 | 143.79 | 144.17 | |
| 23 | 143.80 | 144.80 | 144.23 | 143.96 | 143.95 | 144.64 | 144.67 | 144.37 | 144.24 | 143.92 | 143.78 | 143.97 | |
| 24 | 143.85 | 144.53 | 144.47 | 143.94 | 143.95 | 144.63 | 144.65 | 144.36 | 144.23 | 143.92 | 143.78 | 143.76 | |
| 25 | 143.81 | 144.33 | 144.48 | 143.96 | 143.94 | 144.54 | 144.63 | 144.35 | 144.23 | 143.99 | 144.06 | 143.73 | |
| 26 | 144.04 | 144.23 | 144.31 | 143.93 | 143.96 | 145.38 | 144.63 | 144.35 | 144.21 | 144.01 | 144.12 | 143.72 | |
| 27 | 144.04 | 144.33 | 144.25 | 143.94 | 143.96 | 145.59 | 144.60 | 144.34 | 144.16 | 143.94 | 143.79 | 143.71 | |
| 28 | 144.07 | 144.31 | 144.29 | 143.95 | 143.97 | 146.20 | 144.59 | 144.34 | 144.14 | 143.92 | 143.78 | 143.70 | |
| 29 | 144.02 | 144.39 | 144.17 | 143.95 | 144.11 | 145.76 | 144.57 | 144.33 | 144.13 | 143.91 | | 143.70 | |
| 30 | 143.92 | 144.32 | 144.17 | 143.95 | 144.38 | 145.54 | 144.56 | 144.34 | 144.11 | 143.90 | | 143.83 | |
| 31 | | 144.33 | | 143.95 | 144.38 | | 144.54 | | 144.10 | 143.89 | | 143.82 | |
| Mean | 143.78 | 144.07 | 144.08 | 144.05 | 143.99 | 144.77 | 144.90 | 144.42 | 144.26 | 144.04 | 143.98 | 143.82 | |
| Max | 144.07 | 145.23 | 144.48 | 144.41 | 144.38 | 146.20 | 145.32 | 144.53 | 144.33 | 144.24 | 144.21 | 144.23 | 146.20 |
| Min | 143.68 | 143.71 | 143.86 | 143.93 | 143.90 | 144.32 | 144.54 | 144.33 | 144.10 | 143.89 | 143.78 | 143.70 | 143.68 |

Annual Max Momentary Gage Height 146.57 m. (MSL.) , at 06.00 Hours , on Sep 28, 2006

Zero Gage at Bottom Elevation 143.77 m. (MSL.) , River Bed 143.37 m. (MSL.)

Left Bank Elevation 147.07 m. (MSL.) ,

Right Bank Elevation 149.59 m. (MSL.) , Drainage Are 529 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.28 | 0.80 | 5.03 | 4.85 | 1.52 | 7.83 | 37.00 | 11.25 | 6.78 | 2.96 | 1.04 | 0.45 | | |
| 2 | 0.25 | 0.56 | 4.68 | 8.25 | 1.46 | 7.48 | 30.63 | 11.00 | 6.78 | 2.82 | 2.26 | 0.43 | | |
| 3 | 0.23 | 0.48 | 4.36 | 5.73 | 1.40 | 7.30 | 34.38 | 10.75 | 6.78 | 2.68 | 1.16 | 0.40 | | |
| 4 | 0.20 | 0.45 | 3.10 | 4.22 | 1.28 | 6.95 | 35.13 | 10.50 | 6.60 | 2.54 | 0.92 | 0.40 | | |
| 5 | 0.20 | 0.38 | 2.40 | 3.52 | 1.34 | 6.60 | 30.63 | 10.25 | 6.60 | 2.40 | 0.92 | 0.38 | | |
| 6 | 0.20 | 0.35 | 1.84 | 2.82 | 1.28 | 6.78 | 31.00 | 9.75 | 6.43 | 2.26 | 0.86 | 0.38 | | |
| 7 | 0.20 | 0.33 | 1.52 | 2.54 | 1.22 | 7.13 | 29.88 | 9.25 | 6.43 | 2.12 | 0.92 | 0.35 | | |
| 8 | 0.86 | 0.28 | 1.40 | 3.52 | 1.10 | 8.25 | 30.63 | 9.25 | 6.43 | 1.98 | 2.54 | 0.35 | | |
| 9 | 0.28 | 0.80 | 1.22 | 4.36 | 1.16 | 9.25 | 26.88 | 9.25 | 6.25 | 1.84 | 4.50 | 0.35 | | |
| 10 | 0.28 | 0.80 | 1.16 | 4.68 | 1.28 | 11.50 | 25.38 | 9.00 | 6.25 | 1.70 | 4.68 | 1.84 | | |
| 11 | 0.25 | 0.92 | 1.10 | 3.38 | 1.28 | 19.15 | 27.63 | 8.75 | 6.08 | 1.64 | 4.68 | 1.34 | | |
| 12 | 0.23 | 1.22 | 1.10 | 2.68 | 1.64 | 20.45 | 26.50 | 8.75 | 6.08 | 1.98 | 4.68 | 0.35 | | |
| 13 | 0.20 | 0.80 | 1.10 | 2.26 | 1.46 | 19.80 | 32.50 | 8.75 | 6.08 | 2.40 | 4.50 | 0.35 | | |
| 14 | 0.20 | 0.68 | 1.10 | 1.84 | 1.52 | 14.65 | 28.75 | 8.50 | 6.08 | 5.03 | 4.50 | 0.35 | | |
| 15 | 0.20 | 1.34 | 1.04 | 1.98 | 2.12 | 12.00 | 26.13 | 8.25 | 5.90 | 5.03 | 4.22 | 0.33 | | |
| 16 | 0.23 | 0.92 | 0.92 | 1.84 | 2.40 | 12.00 | 23.05 | 8.25 | 5.90 | 4.22 | 3.66 | 0.30 | | |
| 17 | 0.30 | 1.28 | 0.86 | 1.64 | 1.98 | 17.95 | 20.45 | 8.00 | 5.73 | 5.20 | 2.26 | 0.28 | | |
| 18 | 0.33 | 1.46 | 1.04 | 1.64 | 1.64 | 18.23 | 18.83 | 7.83 | 5.73 | 4.85 | 1.16 | 0.28 | | |
| 19 | 0.43 | 1.84 | 4.08 | 1.70 | 1.40 | 20.78 | 17.40 | 7.83 | 5.73 | 5.03 | 0.68 | 1.46 | | |
| 20 | 0.98 | 3.10 | 3.24 | 1.98 | 1.40 | 19.48 | 16.85 | 7.65 | 5.55 | 2.68 | 0.50 | 4.68 | | |
| 21 | 0.56 | 3.52 | 2.12 | 1.70 | 1.34 | 17.95 | 16.30 | 8.25 | 5.38 | 1.34 | 0.48 | 5.03 | | |
| 22 | 0.50 | 33.63 | 2.26 | 1.52 | 1.58 | 15.48 | 15.75 | 7.48 | 5.20 | 1.16 | 0.48 | 4.08 | | |
| 23 | 0.50 | 18.50 | 5.03 | 1.46 | 1.40 | 14.10 | 14.93 | 7.48 | 5.20 | 1.22 | 0.45 | 1.52 | | |
| 24 | 0.80 | 11.25 | 9.75 | 1.34 | 1.40 | 13.83 | 14.38 | 7.30 | 5.03 | 1.22 | 0.45 | 0.40 | | |
| 25 | 0.56 | 6.78 | 10.00 | 1.46 | 1.34 | 11.50 | 13.83 | 7.13 | 5.03 | 1.64 | 2.54 | 0.33 | | |
| 26 | 2.26 | 5.03 | 6.43 | 1.28 | 1.46 | 39.25 | 13.83 | 7.13 | 4.68 | 1.84 | 3.38 | 0.30 | | |
| 27 | 2.26 | 6.78 | 5.38 | 1.34 | 1.46 | 48.55 | 13.00 | 6.95 | 3.94 | 1.34 | 0.48 | 0.28 | | |
| 28 | 2.68 | 6.43 | 6.08 | 1.40 | 1.52 | 81.00 | 12.75 | 6.95 | 3.66 | 1.22 | 0.45 | 0.25 | | |
| 29 | 1.98 | 7.83 | 4.08 | 1.40 | 3.24 | 57.00 | 12.25 | 6.78 | 3.52 | 1.16 | | 0.25 | | |
| 30 | 1.22 | 6.60 | 4.08 | 1.40 | 7.65 | 46.30 | 12.00 | 6.95 | 3.24 | 1.10 | | 0.68 | | |
| 31 | | 6.78 | | 1.40 | 7.65 | | 11.50 | | 3.10 | 1.04 | | 0.62 | | |
| Total | 19.65 | 131.92 | 97.50 | 81.13 | 59.92 | 598.52 | 700.15 | 255.21 | 172.17 | 75.64 | 59.35 | 28.79 | 2279.95 | CMSDAY |
| Mean | 0.66 | 4.26 | 3.25 | 2.62 | 1.93 | 19.95 | 22.59 | 8.51 | 5.55 | 2.44 | 2.12 | 0.93 | 6.25 | CMS |
| Max | 2.68 | 33.63 | 10.00 | 8.25 | 7.65 | 81.00 | 37.00 | 11.25 | 6.78 | 5.20 | 4.68 | 5.03 | 81.00 | CMS |
| Min | 0.20 | 0.28 | 0.86 | 1.28 | 1.10 | 6.60 | 11.50 | 6.78 | 3.10 | 1.04 | 0.45 | 0.25 | 0.20 | CMS |
| Runoff | 1.70 | 11.40 | 8.42 | 7.01 | 5.18 | 51.71 | 60.49 | 22.05 | 14.88 | 6.54 | 5.13 | 2.49 | 196.99 | MCM |

Momentary Peak 103.63 CMS. at 146.57 m. (MSL.) at 06.00 Hours , on Sep 28, 2006

Runoff Yield 11.99 Liters/Second/Square KM. Momentary Peak Yield 198.91 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Khlong Wang Chao at Ban Thai Tawee , Kamphaeng Phet (P.50A)

Lat 16 - 32 - 45 N Long 99 - 14 - 57 E

**Location : on left bank at Ban Thai Tawee.**

**Ban** Thai Tawee **Amphoe** Kosumpee Nakhon **Changwat** Kamphaeng Phet

| | |
|---|---|
| **Drainge Area** | 480 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +104.360 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 10 meters from the top staff gage. **Elevation** +109.931 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily reading at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1999 to date |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 27 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

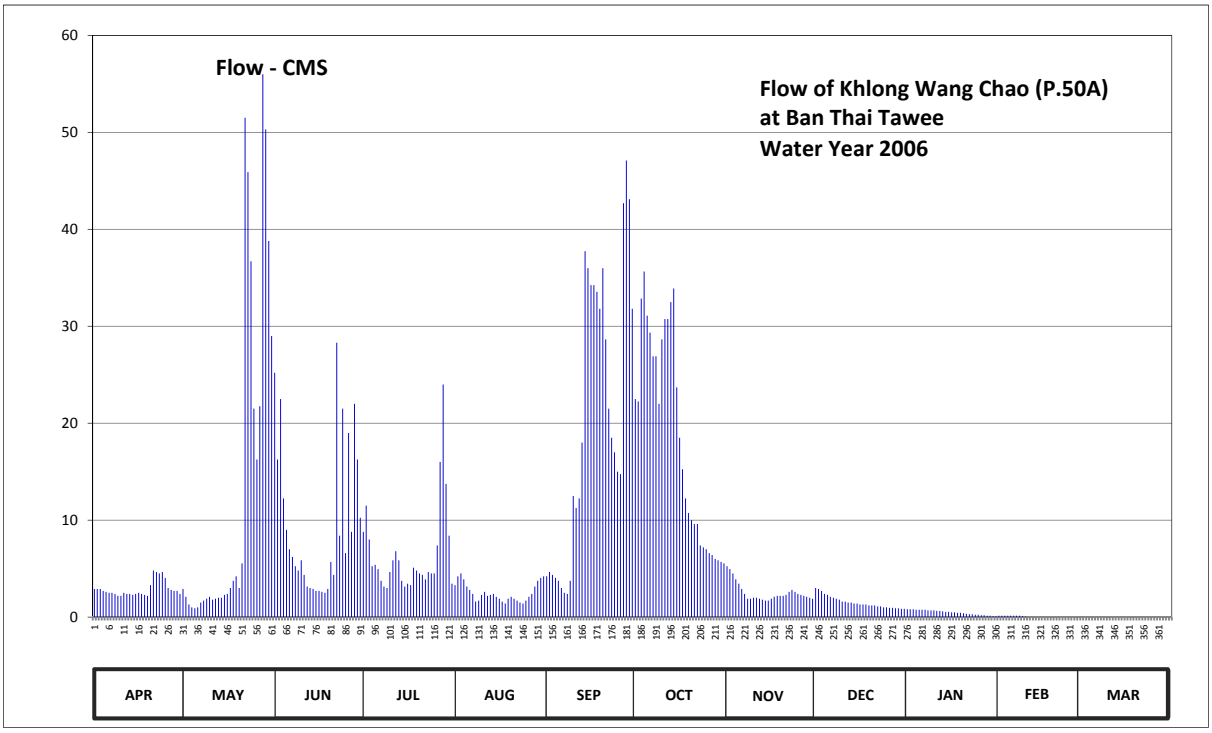
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 105.89 | 105.89 | 106.89 | 106.24 | 105.92 | 105.98 | 106.80 | 106.05 | 105.90 | 105.66 | 105.53 | 105.44 | |
| 2 | 105.89 | 105.81 | 106.55 | 106.36 | 105.98 | 106.01 | 106.79 | 106.03 | 105.89 | 105.66 | 105.53 | 105.44 | |
| 3 | 105.89 | 105.73 | 106.80 | 106.20 | 106.00 | 105.99 | 107.11 | 106.00 | 105.87 | 105.66 | 105.53 | 105.44 | |
| 4 | 105.87 | 105.70 | 106.39 | 106.05 | 105.96 | 105.97 | 107.19 | 105.96 | 105.84 | 105.65 | 105.53 | 105.44 | |
| 5 | 105.86 | 105.68 | 106.25 | 106.06 | 105.91 | 105.95 | 107.06 | 105.93 | 105.83 | 105.65 | 105.53 | 105.44 | |
| 6 | 105.85 | 105.70 | 106.15 | 106.03 | 105.88 | 105.90 | 107.01 | 105.89 | 105.81 | 105.65 | 105.53 | 105.44 | |
| 7 | 105.85 | 105.75 | 106.11 | 105.95 | 105.84 | 105.85 | 106.94 | 105.84 | 105.80 | 105.65 | 105.53 | 105.44 | |
| 8 | 105.84 | 105.77 | 106.05 | 105.91 | 105.76 | 105.84 | 106.94 | 105.79 | 105.79 | 105.64 | 105.53 | 105.44 | |
| 9 | 105.82 | 105.79 | 106.02 | 105.90 | 105.77 | 105.95 | 106.78 | 105.79 | 105.78 | 105.64 | 105.52 | 105.45 | |
| 10 | 105.82 | 105.81 | 106.09 | 106.01 | 105.83 | 106.40 | 106.99 | 105.80 | 105.76 | 105.64 | 105.51 | 105.45 | |
| 11 | 105.85 | 105.78 | 105.99 | 106.09 | 105.86 | 106.35 | 107.05 | 105.80 | 105.76 | 105.63 | 105.50 | 105.45 | |
| 12 | 105.84 | 105.79 | 105.91 | 106.14 | 105.82 | 106.39 | 107.05 | 105.79 | 105.75 | 105.63 | 105.50 | 105.45 | |
| 13 | 105.84 | 105.80 | 105.90 | 106.09 | 105.83 | 106.62 | 107.10 | 105.78 | 105.75 | 105.62 | 105.49 | 105.45 | |
| 14 | 105.83 | 105.80 | 105.89 | 105.95 | 105.84 | 107.25 | 107.14 | 105.77 | 105.74 | 105.61 | 105.49 | 105.45 | |
| 15 | 105.84 | 105.83 | 105.87 | 105.91 | 105.81 | 107.20 | 106.84 | 105.77 | 105.74 | 105.61 | 105.48 | 105.45 | |
| 16 | 105.85 | 105.84 | 105.87 | 105.93 | 105.79 | 107.15 | 106.64 | 105.79 | 105.73 | 105.60 | 105.48 | 105.45 | |
| 17 | 105.84 | 105.90 | 105.86 | 105.92 | 105.76 | 107.15 | 106.51 | 105.81 | 105.73 | 105.60 | 105.47 | 105.45 | |
| 18 | 105.83 | 105.95 | 105.85 | 106.04 | 105.74 | 107.13 | 106.39 | 105.82 | 105.73 | 105.59 | 105.47 | 105.45 | |
| 19 | 105.82 | 105.98 | 105.89 | 106.02 | 105.79 | 107.08 | 106.33 | 105.82 | 105.72 | 105.59 | 105.46 | 105.45 | |
| 20 | 105.92 | 105.90 | 106.08 | 106.00 | 105.81 | 107.20 | 106.30 | 105.82 | 105.72 | 105.58 | 105.46 | 105.45 | |
| 21 | 106.02 | 106.07 | 105.99 | 105.99 | 105.79 | 106.99 | 106.28 | 105.83 | 105.72 | 105.57 | 105.45 | 105.45 | |
| 22 | 106.01 | 107.60 | 106.98 | 105.96 | 105.77 | 106.76 | 106.28 | 105.86 | 105.71 | 105.56 | 105.45 | 105.45 | |
| 23 | 106.00 | 107.46 | 106.22 | 106.01 | 105.75 | 106.64 | 106.17 | 105.88 | 105.71 | 105.56 | 105.45 | 105.45 | |
| 24 | 106.01 | 107.22 | 106.76 | 106.00 | 105.74 | 106.58 | 106.16 | 105.86 | 105.70 | 105.55 | 105.44 | 105.45 | |
| 25 | 105.97 | 106.76 | 106.13 | 106.00 | 105.77 | 106.50 | 106.15 | 105.84 | 105.70 | 105.55 | 105.44 | 105.45 | |
| 26 | 105.90 | 106.55 | 106.66 | 106.17 | 105.81 | 106.49 | 106.13 | 105.83 | 105.69 | 105.54 | 105.43 | 105.45 | |
| 27 | 105.88 | 106.77 | 106.24 | 106.54 | 105.84 | 107.38 | 106.12 | 105.82 | 105.69 | 105.54 | 105.43 | 105.45 | |
| 28 | 105.87 | 107.70 | 106.78 | 106.85 | 105.91 | 107.49 | 106.10 | 105.81 | 105.68 | 105.53 | 105.43 | 105.45 | |
| 29 | 105.87 | 107.57 | 106.55 | 106.45 | 105.95 | 107.39 | 106.09 | 105.80 | 105.68 | 105.53 | | 105.45 | |
| 30 | 105.84 | 107.28 | 106.31 | 106.22 | 105.97 | 107.08 | 106.08 | 105.79 | 105.67 | 105.52 | | 105.45 | |
| 31 | | 107.00 | | 105.93 | 105.98 | | 106.07 | | 105.67 | 105.52 | | 105.45 | |
| Mean | 105.88 | 106.26 | 106.23 | 106.09 | 105.84 | 106.62 | 106.60 | 105.85 | 105.75 | 105.60 | 105.49 | 105.45 | |
| Max | 106.02 | 107.70 | 106.98 | 106.85 | 106.00 | 107.49 | 107.19 | 106.05 | 105.90 | 105.66 | 105.53 | 105.45 | 107.70 |
| Min | 105.82 | 105.68 | 105.85 | 105.90 | 105.74 | 105.84 | 106.07 | 105.77 | 105.67 | 105.52 | 105.43 | 105.44 | 105.43 |

Annual Max Momentary Gage Height 107.74 m. (MSL.) , at 06.00 Hours , on May 28 , 2006

Zero Gage at Bottom Elevation 104.36 m. (MSL.) , River Bed 104.84 m. (MSL.)

Left Bank Elevation 109.88 m. (MSL.) ,

Right Bank Elevation 109.90 m. (MSL.) , Drainage Are 480 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.90 | 2.90 | 25.20 | 8.80 | 3.30 | 4.20 | 22.50 | 5.25 | 3.00 | 0.80 | 0.15 | 0.00 | | |
| 2 | 2.90 | 2.10 | 16.25 | 11.50 | 4.20 | 4.65 | 22.25 | 4.95 | 2.90 | 0.80 | 0.15 | 0.00 | | |
| 3 | 2.90 | 1.30 | 22.50 | 8.00 | 4.50 | 4.35 | 32.85 | 4.50 | 2.70 | 0.80 | 0.15 | 0.00 | | |
| 4 | 2.70 | 1.00 | 12.25 | 5.25 | 3.90 | 4.05 | 35.65 | 3.90 | 2.40 | 0.75 | 0.15 | 0.00 | | |
| 5 | 2.60 | 0.90 | 9.00 | 5.40 | 3.15 | 3.75 | 31.10 | 3.45 | 2.30 | 0.75 | 0.15 | 0.00 | | |
| 6 | 2.50 | 1.00 | 7.00 | 4.95 | 2.80 | 3.00 | 29.35 | 2.90 | 2.10 | 0.75 | 0.15 | 0.00 | | |
| 7 | 2.50 | 1.50 | 6.20 | 3.75 | 2.40 | 2.50 | 26.90 | 2.40 | 2.00 | 0.75 | 0.15 | 0.00 | | |
| 8 | 2.40 | 1.70 | 5.25 | 3.15 | 1.60 | 2.40 | 26.90 | 1.90 | 1.90 | 0.70 | 0.15 | 0.00 | | |
| 9 | 2.20 | 1.90 | 4.80 | 3.00 | 1.70 | 3.75 | 22.00 | 1.90 | 1.80 | 0.70 | 0.10 | 0.00 | | |
| 10 | 2.20 | 2.10 | 5.85 | 4.65 | 2.30 | 12.50 | 28.65 | 2.00 | 1.60 | 0.70 | 0.05 | 0.00 | | |
| 11 | 2.50 | 1.80 | 4.35 | 5.85 | 2.60 | 11.25 | 30.75 | 2.00 | 1.60 | 0.65 | 0.00 | 0.00 | | |
| 12 | 2.40 | 1.90 | 3.15 | 6.80 | 2.20 | 12.25 | 30.75 | 1.90 | 1.50 | 0.65 | 0.00 | 0.00 | | |
| 13 | 2.40 | 2.00 | 3.00 | 5.85 | 2.30 | 18.00 | 32.50 | 1.80 | 1.50 | 0.60 | 0.00 | 0.00 | | |
| 14 | 2.30 | 2.00 | 2.90 | 3.75 | 2.40 | 37.75 | 33.90 | 1.70 | 1.40 | 0.55 | 0.00 | 0.00 | | |
| 15 | 2.40 | 2.30 | 2.70 | 3.15 | 2.10 | 36.00 | 23.70 | 1.70 | 1.40 | 0.55 | 0.00 | 0.00 | | |
| 16 | 2.50 | 2.40 | 2.70 | 3.45 | 1.90 | 34.25 | 18.50 | 1.90 | 1.30 | 0.50 | 0.00 | 0.00 | | |
| 17 | 2.40 | 3.00 | 2.60 | 3.30 | 1.60 | 34.25 | 15.25 | 2.10 | 1.30 | 0.50 | 0.00 | 0.00 | | |
| 18 | 2.30 | 3.75 | 2.50 | 5.10 | 1.40 | 33.55 | 12.25 | 2.20 | 1.30 | 0.45 | 0.00 | 0.00 | | |
| 19 | 2.20 | 4.20 | 2.90 | 4.80 | 1.90 | 31.80 | 10.75 | 2.20 | 1.20 | 0.45 | 0.00 | 0.00 | | |
| 20 | 3.30 | 3.00 | 5.70 | 4.50 | 2.10 | 36.00 | 10.00 | 2.20 | 1.20 | 0.40 | 0.00 | 0.00 | | |
| 21 | 4.80 | 5.55 | 4.35 | 4.35 | 1.90 | 28.65 | 9.60 | 2.30 | 1.20 | 0.35 | 0.00 | 0.00 | | |
| 22 | 4.65 | 51.50 | 28.30 | 3.90 | 1.70 | 21.50 | 9.60 | 2.60 | 1.10 | 0.30 | 0.00 | 0.00 | | |
| 23 | 4.50 | 45.90 | 8.40 | 4.65 | 1.50 | 18.50 | 7.40 | 2.80 | 1.10 | 0.30 | 0.00 | 0.00 | | |
| 24 | 4.65 | 36.70 | 21.50 | 4.50 | 1.40 | 17.00 | 7.20 | 2.60 | 1.00 | 0.25 | 0.00 | 0.00 | | |
| 25 | 4.05 | 21.50 | 6.60 | 4.50 | 1.70 | 15.00 | 7.00 | 2.40 | 1.00 | 0.25 | 0.00 | 0.00 | | |
| 26 | 3.00 | 16.25 | 19.00 | 7.40 | 2.10 | 14.75 | 6.60 | 2.30 | 0.95 | 0.20 | 0.00 | 0.00 | | |
| 27 | 2.80 | 21.75 | 8.80 | 16.00 | 2.40 | 42.70 | 6.40 | 2.20 | 0.95 | 0.20 | 0.00 | 0.00 | | |
| 28 | 2.70 | 56.00 | 22.00 | 24.00 | 3.15 | 47.10 | 6.00 | 2.10 | 0.90 | 0.15 | 0.00 | 0.00 | | |
| 29 | 2.70 | 50.30 | 16.25 | 13.75 | 3.75 | 43.10 | 5.85 | 2.00 | 0.90 | 0.15 | | 0.00 | | |
| 30 | 2.40 | 38.80 | 10.25 | 8.40 | 4.05 | 31.80 | 5.70 | 1.90 | 0.85 | 0.10 | | 0.00 | | |
| 31 | | 29.00 | | 3.45 | 4.20 | | 5.55 | | 0.85 | 0.10 | | 0.00 | | |
| Total | 86.75 | 416.00 | 292.25 | 199.90 | 78.20 | 610.35 | 573.40 | 76.05 | 47.20 | 15.15 | 1.35 | 0.00 | 2396.60 | CMSDAY |
| Mean | 2.89 | 13.42 | 9.74 | 6.45 | 2.52 | 20.34 | 18.50 | 2.53 | 1.52 | 0.49 | 0.05 | 0.00 | 6.57 | CMS |
| Max | 4.80 | 56.00 | 28.30 | 24.00 | 4.50 | 47.10 | 35.65 | 5.25 | 3.00 | 0.80 | 0.15 | 0.00 | 56.00 | CMS |
| Min | 2.20 | 0.90 | 2.50 | 3.00 | 1.40 | 2.40 | 5.55 | 1.70 | 0.85 | 0.10 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 7.50 | 35.94 | 25.25 | 17.27 | 6.76 | 52.73 | 49.54 | 6.57 | 4.08 | 1.31 | 0.12 | 0.00 | 207.07 | MCM |

Momentary Peak 57.80 CMS. at 107.74 m. (MSL.) at 06.00 Hours , on May 28, 2006

Runoff Yield 13.68 Liters/Second/Square KM. Momentary Peak Yield 120.42 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Khlong Pra Dang at Ban Na Bot,Tak (P.51)

Lat 16 - 41 - 11 N Long 99 - 09 - 20 E

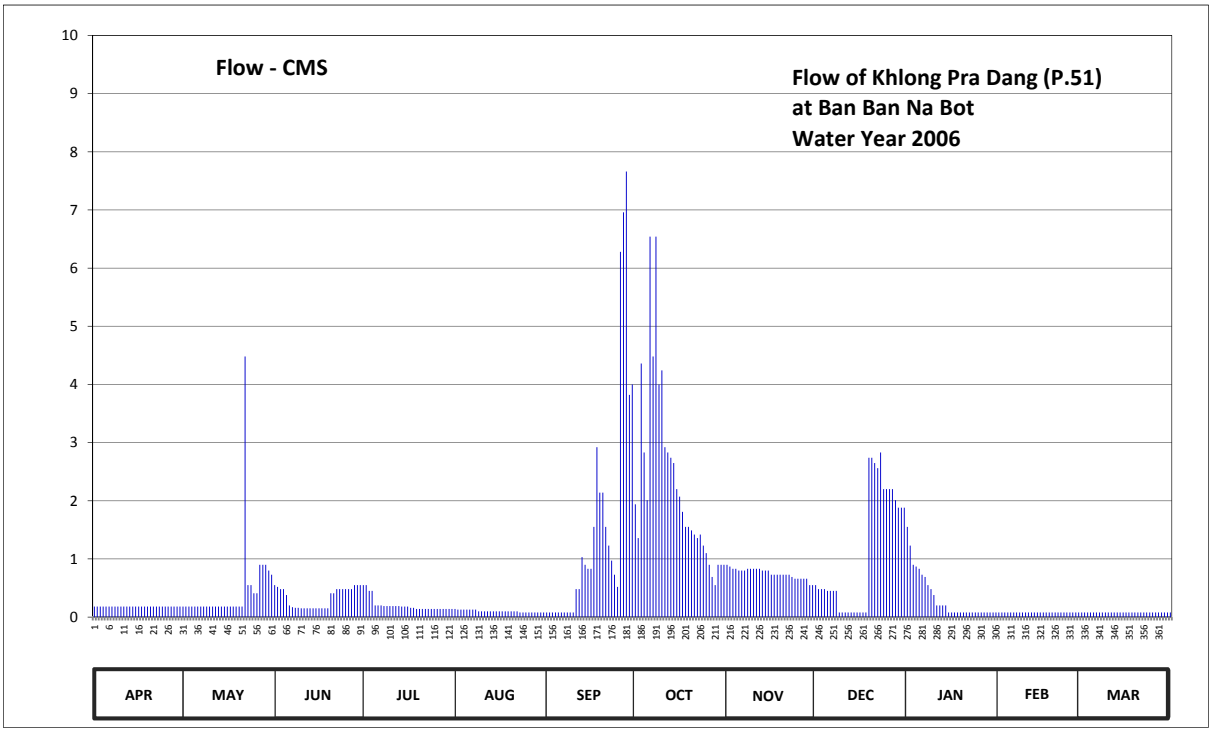
**Location : on right bank the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Na Bot | **Amphoe** Mueang | **Changwat** Tak |
| **Drainge Area** | 167 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +148.300 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 10 meters from the top staff gage. | **Elevation** +151.849 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1997 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1997 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 7 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 147.78 | 147.78 | 147.90 | 147.90 | 147.74 | 147.68 | 148.16 | 148.00 | 147.90 | 148.10 | 147.68 | 147.68 | |
| 2 | 147.78 | 147.78 | 147.89 | 147.90 | 147.73 | 147.68 | 148.07 | 147.99 | 147.88 | 148.05 | 147.68 | 147.68 | |
| 3 | 147.78 | 147.78 | 147.88 | 147.87 | 147.73 | 147.68 | 148.43 | 147.98 | 147.88 | 148.00 | 147.68 | 147.68 | |
| 4 | 147.78 | 147.78 | 147.88 | 147.87 | 147.73 | 147.68 | 148.27 | 147.98 | 147.88 | 147.99 | 147.68 | 147.68 | |
| 5 | 147.78 | 147.78 | 147.85 | 147.80 | 147.73 | 147.68 | 148.17 | 147.97 | 147.87 | 147.98 | 147.68 | 147.68 | |
| 6 | 147.78 | 147.78 | 147.80 | 147.80 | 147.73 | 147.68 | 148.61 | 147.97 | 147.87 | 147.95 | 147.68 | 147.68 | |
| 7 | 147.78 | 147.78 | 147.77 | 147.80 | 147.73 | 147.68 | 148.44 | 147.97 | 147.87 | 147.94 | 147.68 | 147.68 | |
| 8 | 147.78 | 147.78 | 147.76 | 147.79 | 147.73 | 147.68 | 148.61 | 147.98 | 147.87 | 147.90 | 147.68 | 147.68 | |
| 9 | 147.78 | 147.78 | 147.76 | 147.79 | 147.70 | 147.68 | 148.40 | 147.98 | 147.68 | 147.88 | 147.68 | 147.68 | |
| 10 | 147.78 | 147.78 | 147.75 | 147.79 | 147.70 | 147.68 | 148.42 | 147.98 | 147.68 | 147.85 | 147.68 | 147.68 | |
| 11 | 147.78 | 147.78 | 147.75 | 147.79 | 147.70 | 147.88 | 148.28 | 147.98 | 147.68 | 147.80 | 147.68 | 147.68 | |
| 12 | 147.78 | 147.78 | 147.75 | 147.79 | 147.70 | 147.88 | 148.27 | 147.98 | 147.68 | 147.80 | 147.68 | 147.68 | |
| 13 | 147.78 | 147.78 | 147.75 | 147.79 | 147.70 | 148.02 | 148.26 | 147.97 | 147.68 | 147.80 | 147.68 | 147.68 | |
| 14 | 147.78 | 147.78 | 147.75 | 147.78 | 147.70 | 148.00 | 148.25 | 147.97 | 147.68 | 147.80 | 147.68 | 147.68 | |
| 15 | 147.78 | 147.78 | 147.75 | 147.78 | 147.70 | 147.98 | 148.20 | 147.97 | 147.68 | 147.68 | 147.68 | 147.68 | |
| 16 | 147.78 | 147.78 | 147.75 | 147.78 | 147.70 | 147.98 | 148.18 | 147.95 | 147.68 | 147.68 | 147.68 | 147.68 | |
| 17 | 147.78 | 147.78 | 147.75 | 147.76 | 147.70 | 148.10 | 148.14 | 147.95 | 147.68 | 147.68 | 147.68 | 147.68 | |
| 18 | 147.78 | 147.78 | 147.75 | 147.76 | 147.70 | 148.28 | 148.10 | 147.95 | 147.68 | 147.68 | 147.68 | 147.68 | |
| 19 | 147.78 | 147.78 | 147.75 | 147.74 | 147.70 | 148.19 | 148.10 | 147.95 | 148.26 | 147.68 | 147.68 | 147.68 | |
| 20 | 147.78 | 147.78 | 147.86 | 147.74 | 147.70 | 148.19 | 148.09 | 147.95 | 148.26 | 147.68 | 147.68 | 147.68 | |
| 21 | 147.78 | 147.78 | 147.86 | 147.74 | 147.70 | 148.10 | 148.08 | 147.95 | 148.25 | 147.68 | 147.68 | 147.68 | |
| 22 | 147.78 | 148.44 | 147.88 | 147.74 | 147.70 | 148.05 | 148.07 | 147.95 | 148.24 | 147.68 | 147.68 | 147.68 | |
| 23 | 147.78 | 147.90 | 147.88 | 147.74 | 147.68 | 148.01 | 148.08 | 147.94 | 148.27 | 147.68 | 147.68 | 147.68 | |
| 24 | 147.78 | 147.90 | 147.88 | 147.74 | 147.68 | 147.95 | 148.05 | 147.93 | 148.20 | 147.68 | 147.68 | 147.68 | |
| 25 | 147.78 | 147.86 | 147.88 | 147.74 | 147.68 | 147.89 | 148.03 | 147.93 | 148.20 | 147.68 | 147.68 | 147.68 | |
| 26 | 147.78 | 147.86 | 147.88 | 147.74 | 147.68 | 148.59 | 148.00 | 147.93 | 148.20 | 147.68 | 147.68 | 147.68 | |
| 27 | 147.78 | 148.00 | 147.88 | 147.74 | 147.68 | 148.64 | 147.94 | 147.93 | 148.20 | 147.68 | 147.68 | 147.68 | |
| 28 | 147.78 | 148.00 | 147.90 | 147.74 | 147.68 | 148.69 | 147.90 | 147.93 | 148.17 | 147.68 | 147.68 | 147.68 | |
| 29 | 147.78 | 148.00 | 147.90 | 147.74 | 147.68 | 148.38 | 148.00 | 147.90 | 148.15 | 147.68 | | 147.68 | |
| 30 | 147.78 | 147.97 | 147.90 | 147.74 | 147.68 | 148.40 | 148.00 | 147.90 | 148.15 | 147.68 | | 147.68 | |
| 31 | | 147.95 | | 147.74 | 147.68 | | 148.00 | | 148.15 | 147.68 | | 147.68 | |
| Mean | 147.78 | 147.85 | 147.82 | 147.78 | 147.70 | 148.00 | 148.18 | 147.96 | 147.95 | 147.79 | 147.68 | 147.68 | |
| Max | 147.78 | 148.44 | 147.90 | 147.90 | 147.74 | 148.69 | 148.61 | 148.00 | 148.27 | 148.10 | 147.68 | 147.68 | 148.69 |
| Min | 147.78 | 147.78 | 147.75 | 147.74 | 147.68 | 147.68 | 147.90 | 147.90 | 147.68 | 147.68 | 147.68 | 147.68 | 147.68 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 148.85 | m. (MSL.) , | at 12.00 Hours , on Sep 26, 2006 | | |
| Zero Gage at Bottom Elevation | 148.30 | m. (MSL.) , | River Bed | 147.84 | m. (MSL.) |
| Left Bank Elevation | 151.81 | m. (MSL.) , | | | |
| Right Bank Elevation | 151.82 | m. (MSL.) , | Drainage Are | 167 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.18 | 0.18 | 0.55 | 0.55 | 0.14 | 0.08 | 1.94 | 0.90 | 0.55 | 1.55 | 0.08 | 0.08 | | |
| 2 | 0.18 | 0.18 | 0.52 | 0.55 | 0.13 | 0.08 | 1.36 | 0.87 | 0.48 | 1.23 | 0.08 | 0.08 | | |
| 3 | 0.18 | 0.18 | 0.48 | 0.45 | 0.13 | 0.08 | 4.36 | 0.83 | 0.48 | 0.90 | 0.08 | 0.08 | | |
| 4 | 0.18 | 0.18 | 0.48 | 0.45 | 0.13 | 0.08 | 2.83 | 0.83 | 0.48 | 0.87 | 0.08 | 0.08 | | |
| 5 | 0.18 | 0.18 | 0.38 | 0.20 | 0.13 | 0.08 | 2.01 | 0.80 | 0.45 | 0.83 | 0.08 | 0.08 | | |
| 6 | 0.18 | 0.18 | 0.20 | 0.20 | 0.13 | 0.08 | 6.54 | 0.80 | 0.45 | 0.73 | 0.08 | 0.08 | | |
| 7 | 0.18 | 0.18 | 0.17 | 0.20 | 0.13 | 0.08 | 4.48 | 0.80 | 0.45 | 0.69 | 0.08 | 0.08 | | |
| 8 | 0.18 | 0.18 | 0.16 | 0.19 | 0.13 | 0.08 | 6.54 | 0.83 | 0.45 | 0.55 | 0.08 | 0.08 | | |
| 9 | 0.18 | 0.18 | 0.16 | 0.19 | 0.10 | 0.08 | 4.00 | 0.83 | 0.08 | 0.48 | 0.08 | 0.08 | | |
| 10 | 0.18 | 0.18 | 0.15 | 0.19 | 0.10 | 0.08 | 4.24 | 0.83 | 0.08 | 0.38 | 0.08 | 0.08 | | |
| 11 | 0.18 | 0.18 | 0.15 | 0.19 | 0.10 | 0.48 | 2.92 | 0.83 | 0.08 | 0.20 | 0.08 | 0.08 | | |
| 12 | 0.18 | 0.18 | 0.15 | 0.19 | 0.10 | 0.48 | 2.83 | 0.83 | 0.08 | 0.20 | 0.08 | 0.08 | | |
| 13 | 0.18 | 0.18 | 0.15 | 0.19 | 0.10 | 1.03 | 2.74 | 0.80 | 0.08 | 0.20 | 0.08 | 0.08 | | |
| 14 | 0.18 | 0.18 | 0.15 | 0.18 | 0.10 | 0.90 | 2.65 | 0.80 | 0.08 | 0.20 | 0.08 | 0.08 | | |
| 15 | 0.18 | 0.18 | 0.15 | 0.18 | 0.10 | 0.83 | 2.20 | 0.80 | 0.08 | 0.08 | 0.08 | 0.08 | | |
| 16 | 0.18 | 0.18 | 0.15 | 0.18 | 0.10 | 0.83 | 2.07 | 0.73 | 0.08 | 0.08 | 0.08 | 0.08 | | |
| 17 | 0.18 | 0.18 | 0.15 | 0.16 | 0.10 | 1.55 | 1.81 | 0.73 | 0.08 | 0.08 | 0.08 | 0.08 | | |
| 18 | 0.18 | 0.18 | 0.15 | 0.16 | 0.10 | 2.92 | 1.55 | 0.73 | 0.08 | 0.08 | 0.08 | 0.08 | | |
| 19 | 0.18 | 0.18 | 0.15 | 0.14 | 0.10 | 2.14 | 1.55 | 0.73 | 2.74 | 0.08 | 0.08 | 0.08 | | |
| 20 | 0.18 | 0.18 | 0.41 | 0.14 | 0.10 | 2.14 | 1.49 | 0.73 | 2.74 | 0.08 | 0.08 | 0.08 | | |
| 21 | 0.18 | 0.18 | 0.41 | 0.14 | 0.10 | 1.55 | 1.42 | 0.73 | 2.65 | 0.08 | 0.08 | 0.08 | | |
| 22 | 0.18 | 4.48 | 0.48 | 0.14 | 0.10 | 1.23 | 1.36 | 0.73 | 2.56 | 0.08 | 0.08 | 0.08 | | |
| 23 | 0.18 | 0.55 | 0.48 | 0.14 | 0.08 | 0.97 | 1.42 | 0.69 | 2.83 | 0.08 | 0.08 | 0.08 | | |
| 24 | 0.18 | 0.55 | 0.48 | 0.14 | 0.08 | 0.73 | 1.23 | 0.66 | 2.20 | 0.08 | 0.08 | 0.08 | | |
| 25 | 0.18 | 0.41 | 0.48 | 0.14 | 0.08 | 0.52 | 1.10 | 0.66 | 2.20 | 0.08 | 0.08 | 0.08 | | |
| 26 | 0.18 | 0.41 | 0.48 | 0.14 | 0.08 | 6.28 | 0.90 | 0.66 | 2.20 | 0.08 | 0.08 | 0.08 | | |
| 27 | 0.18 | 0.90 | 0.48 | 0.14 | 0.08 | 6.96 | 0.69 | 0.66 | 2.20 | 0.08 | 0.08 | 0.08 | | |
| 28 | 0.18 | 0.90 | 0.55 | 0.14 | 0.08 | 7.66 | 0.55 | 0.66 | 2.01 | 0.08 | 0.08 | 0.08 | | |
| 29 | 0.18 | 0.90 | 0.55 | 0.14 | 0.08 | 3.82 | 0.90 | 0.55 | 1.88 | 0.08 | | 0.08 | | |
| 30 | 0.18 | 0.80 | 0.55 | 0.14 | 0.08 | 4.00 | 0.90 | 0.55 | 1.88 | 0.08 | | 0.08 | | |
| 31 | | 0.73 | | 0.14 | 0.08 | | 0.90 | | 1.88 | 0.08 | | 0.08 | | |
| Total | 5.40 | 14.41 | 9.95 | 6.42 | 3.17 | 47.82 | 71.48 | 22.58 | 34.56 | 10.37 | 2.24 | 2.48 | 230.88 | CMSDAY |
| Mean | 0.18 | 0.46 | 0.33 | 0.21 | 0.10 | 1.59 | 2.31 | 0.75 | 1.11 | 0.33 | 0.08 | 0.08 | 0.63 | CMS |
| Max | 0.18 | 4.48 | 0.55 | 0.55 | 0.14 | 7.66 | 6.54 | 0.90 | 2.83 | 1.55 | 0.08 | 0.08 | 7.66 | CMS |
| Min | 0.18 | 0.18 | 0.15 | 0.14 | 0.08 | 0.08 | 0.55 | 0.55 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | CMS |
| Runoff | 0.47 | 1.25 | 0.86 | 0.55 | 0.27 | 4.13 | 6.18 | 1.95 | 2.99 | 0.90 | 0.19 | 0.21 | 19.95 | MCM |

Momentary Peak 10.05 CMS. at 148.85 m. (MSL.) at 12.00 Hours , on Sep 26, 2006

Runoff Yield 3.88 Liters/Second/Square KM. Momentary Peak Yield 61.66 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Huai Tak at Ban Tak,Tak (P.52)

Lat 17 - 02 - 13 N Long 99 - 03 - 09 E

**Location : on right bank at the bridge on road.**

**Ban** Tak Tok **Amphoe** Ban Tak **Changwat** Tak

| | |
|---|---|
| **Drainge Area** | 355 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +120.230 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 10 meters from the top staff gage. **Elevation** +125.421 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1983 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1997 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1997 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records very good. Stage-discharge relation defined by 18 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

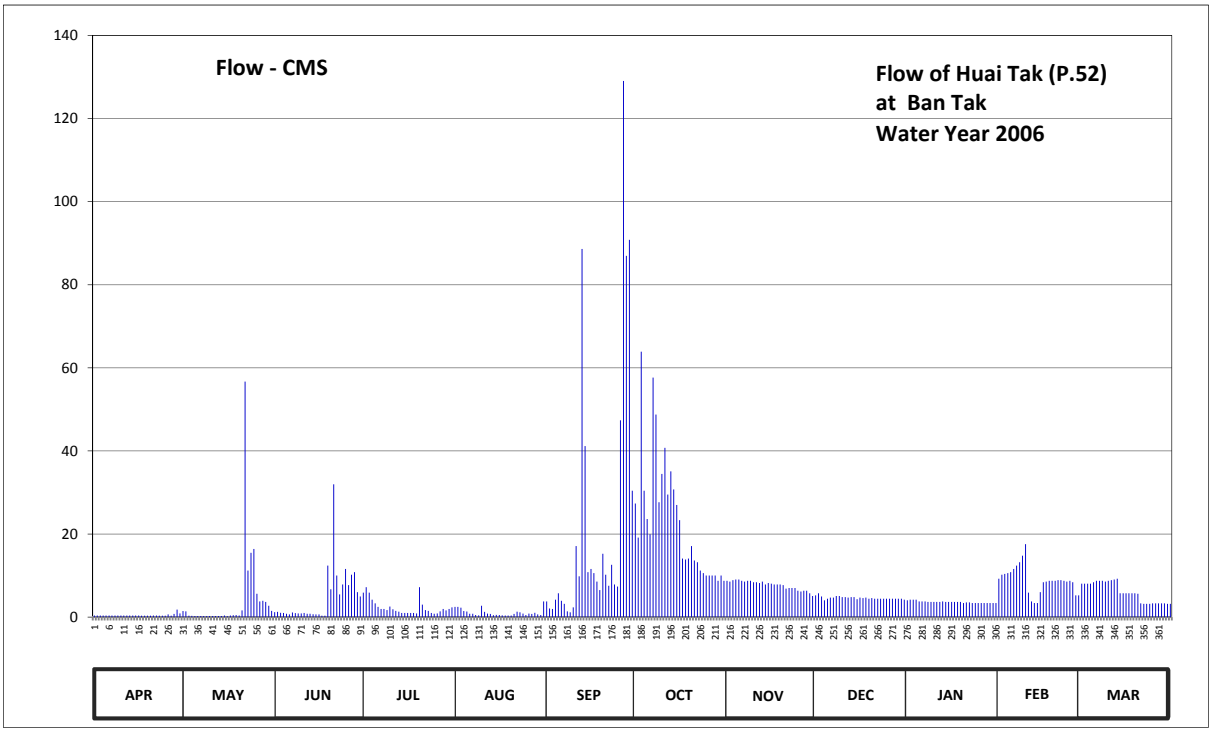
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 119.55 | 119.79 | 119.74 | 120.19 | 119.90 | 120.03 | 121.12 | 120.36 | 120.14 | 120.05 | 120.39 | 120.32 | |
| 2 | 119.55 | 119.78 | 119.75 | 120.27 | 119.90 | 119.86 | 120.84 | 120.35 | 120.18 | 120.06 | 120.44 | 120.32 | |
| 3 | 119.55 | 119.53 | 119.71 | 120.19 | 119.88 | 119.85 | 122.01 | 120.37 | 120.12 | 120.06 | 120.45 | 120.32 | |
| 4 | 119.55 | 119.52 | 119.70 | 120.06 | 119.79 | 120.06 | 121.22 | 120.38 | 120.05 | 120.06 | 120.46 | 120.32 | |
| 5 | 119.55 | 119.51 | 119.66 | 119.99 | 119.77 | 120.18 | 121.00 | 120.38 | 120.08 | 120.03 | 120.47 | 120.34 | |
| 6 | 119.55 | 119.50 | 119.63 | 119.90 | 119.66 | 120.04 | 120.87 | 120.36 | 120.10 | 120.03 | 120.51 | 120.36 | |
| 7 | 119.55 | 119.50 | 119.72 | 119.85 | 119.66 | 119.98 | 121.88 | 120.35 | 120.10 | 120.03 | 120.55 | 120.36 | |
| 8 | 119.55 | 119.51 | 119.69 | 119.85 | 119.60 | 119.78 | 121.69 | 120.36 | 120.13 | 120.02 | 120.59 | 120.36 | |
| 9 | 119.55 | 119.50 | 119.68 | 119.82 | 119.57 | 119.73 | 121.13 | 120.36 | 120.13 | 120.02 | 120.66 | 120.35 | |
| 10 | 119.55 | 119.50 | 119.68 | 119.91 | 119.93 | 119.89 | 121.35 | 120.34 | 120.11 | 120.02 | 120.78 | 120.36 | |
| 11 | 119.55 | 119.50 | 119.70 | 119.84 | 119.75 | 120.76 | 121.51 | 120.34 | 120.11 | 120.02 | 120.19 | 120.37 | |
| 12 | 119.55 | 119.50 | 119.66 | 119.80 | 119.67 | 120.42 | 121.19 | 120.33 | 120.10 | 120.02 | 120.03 | 120.38 | |
| 13 | 119.55 | 119.50 | 119.66 | 119.76 | 119.65 | 122.48 | 121.37 | 120.35 | 120.11 | 120.03 | 120.00 | 120.39 | |
| 14 | 119.55 | 119.50 | 119.64 | 119.70 | 119.58 | 121.52 | 121.23 | 120.31 | 120.11 | 120.02 | 120.00 | 120.18 | |
| 15 | 119.55 | 119.55 | 119.63 | 119.70 | 119.61 | 120.47 | 121.11 | 120.33 | 120.07 | 120.02 | 120.20 | 120.18 | |
| 16 | 119.55 | 119.49 | 119.63 | 119.70 | 119.59 | 120.51 | 120.99 | 120.32 | 120.10 | 120.02 | 120.34 | 120.18 | |
| 17 | 119.53 | 119.56 | 119.54 | 119.70 | 119.57 | 120.46 | 120.63 | 120.31 | 120.09 | 120.02 | 120.35 | 120.18 | |
| 18 | 119.53 | 119.58 | 119.53 | 119.70 | 119.55 | 120.35 | 120.62 | 120.31 | 120.10 | 120.02 | 120.36 | 120.18 | |
| 19 | 119.53 | 119.59 | 120.55 | 119.68 | 119.56 | 120.23 | 120.63 | 120.31 | 120.08 | 120.02 | 120.36 | 120.18 | |
| 20 | 119.54 | 119.55 | 120.24 | 120.27 | 119.56 | 120.68 | 120.76 | 120.30 | 120.09 | 120.00 | 120.36 | 120.17 | |
| 21 | 119.55 | 119.81 | 121.27 | 119.96 | 119.65 | 120.44 | 120.61 | 120.25 | 120.08 | 120.01 | 120.37 | 119.99 | |
| 22 | 119.55 | 121.86 | 120.43 | 119.82 | 119.76 | 120.29 | 120.59 | 120.26 | 120.08 | 120.01 | 120.37 | 119.98 | |
| 23 | 119.53 | 120.49 | 120.16 | 119.80 | 119.73 | 120.56 | 120.49 | 120.26 | 120.08 | 120.00 | 120.36 | 119.98 | |
| 24 | 119.53 | 120.69 | 120.31 | 119.70 | 119.67 | 120.31 | 120.46 | 120.26 | 120.08 | 120.00 | 120.35 | 119.98 | |
| 25 | 119.53 | 120.73 | 120.51 | 119.66 | 119.60 | 120.28 | 120.43 | 120.22 | 120.08 | 120.00 | 120.36 | 119.99 | |
| 26 | 119.63 | 120.17 | 120.30 | 119.68 | 119.67 | 121.66 | 120.43 | 120.21 | 120.08 | 120.00 | 120.34 | 119.99 | |
| 27 | 119.54 | 120.03 | 120.44 | 119.78 | 119.65 | 123.14 | 120.43 | 120.22 | 120.08 | 120.00 | 120.14 | 119.99 | |
| 28 | 119.65 | 120.04 | 120.47 | 119.85 | 119.71 | 122.45 | 120.43 | 120.22 | 120.08 | 120.00 | 120.14 | 119.99 | |
| 29 | 119.83 | 120.02 | 120.20 | 119.81 | 119.63 | 122.52 | 120.36 | 120.18 | 120.08 | 120.00 | | 119.99 | |
| 30 | 119.68 | 119.93 | 120.12 | 119.85 | 119.59 | 121.22 | 120.43 | 120.13 | 120.08 | 120.00 | | 119.98 | |
| 31 | | 119.80 | | 119.89 | 120.03 | | 120.36 | | 120.06 | 120.00 | | 119.98 | |
| Mean | 119.57 | 119.82 | 119.97 | 119.86 | 119.69 | 120.67 | 120.91 | 120.30 | 120.10 | 120.02 | 120.35 | 120.18 | |
| Max | 119.83 | 121.86 | 121.27 | 120.27 | 120.03 | 123.14 | 122.01 | 120.38 | 120.18 | 120.06 | 120.78 | 120.39 | 123.14 |
| Min | 119.53 | 119.49 | 119.53 | 119.66 | 119.55 | 119.73 | 120.36 | 120.13 | 120.05 | 120.00 | 120.00 | 119.98 | 119.49 |

Annual Max Momentary Gage Height 123.73 m. (MSL.) , at 15.00 Hours , on Sep 27 , 2006

Zero Gage at Bottom Elevation 120.23 m. (MSL.) , River Bed 119.43 m. (MSL.)

Left Bank Elevation 125.23 m. (MSL.) ,

Right Bank Elevation 125.18 m. (MSL.) , Drainage Are 355 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.38 | 1.45 | 1.20 | 5.87 | 2.45 | 3.79 | 27.32 | 8.72 | 5.22 | 4.05 | 9.23 | 8.04 | | |
| 2 | 0.38 | 1.40 | 1.25 | 7.19 | 2.45 | 2.07 | 19.12 | 8.55 | 5.74 | 4.18 | 10.20 | 8.04 | | |
| 3 | 0.38 | 0.33 | 1.05 | 5.87 | 2.26 | 1.98 | 63.90 | 8.89 | 4.96 | 4.18 | 10.40 | 8.04 | | |
| 4 | 0.38 | 0.30 | 1.00 | 4.18 | 1.45 | 4.18 | 30.42 | 9.06 | 4.05 | 4.18 | 10.60 | 8.04 | | |
| 5 | 0.38 | 0.28 | 0.80 | 3.31 | 1.35 | 5.74 | 23.60 | 9.06 | 4.44 | 3.79 | 10.80 | 8.38 | | |
| 6 | 0.38 | 0.25 | 0.65 | 2.45 | 0.80 | 3.92 | 19.96 | 8.72 | 4.70 | 3.79 | 11.60 | 8.72 | | |
| 7 | 0.38 | 0.25 | 1.10 | 1.98 | 0.80 | 3.21 | 57.64 | 8.55 | 4.70 | 3.79 | 12.40 | 8.72 | | |
| 8 | 0.38 | 0.28 | 0.95 | 1.98 | 0.50 | 1.40 | 48.74 | 8.72 | 5.09 | 3.66 | 13.20 | 8.72 | | |
| 9 | 0.38 | 0.25 | 0.90 | 1.69 | 0.43 | 1.15 | 27.63 | 8.72 | 5.09 | 3.66 | 14.78 | 8.55 | | |
| 10 | 0.38 | 0.25 | 0.90 | 2.55 | 2.74 | 2.36 | 34.45 | 8.38 | 4.83 | 3.66 | 17.54 | 8.72 | | |
| 11 | 0.38 | 0.25 | 1.00 | 1.88 | 1.25 | 17.08 | 40.73 | 8.38 | 4.83 | 3.66 | 5.87 | 8.89 | | |
| 12 | 0.38 | 0.25 | 0.80 | 1.50 | 0.85 | 9.80 | 29.49 | 8.21 | 4.70 | 3.66 | 3.79 | 9.06 | | |
| 13 | 0.38 | 0.25 | 0.80 | 1.30 | 0.75 | 88.60 | 35.07 | 8.55 | 4.83 | 3.79 | 3.40 | 9.23 | | |
| 14 | 0.38 | 0.25 | 0.70 | 1.00 | 0.45 | 41.16 | 30.73 | 7.87 | 4.83 | 3.66 | 3.40 | 5.74 | | |
| 15 | 0.38 | 0.38 | 0.65 | 1.00 | 0.55 | 10.80 | 27.01 | 8.21 | 4.31 | 3.66 | 6.00 | 5.74 | | |
| 16 | 0.38 | 0.23 | 0.65 | 1.00 | 0.48 | 11.60 | 23.32 | 8.04 | 4.70 | 3.66 | 8.38 | 5.74 | | |
| 17 | 0.33 | 0.40 | 0.35 | 1.00 | 0.43 | 10.60 | 14.09 | 7.87 | 4.57 | 3.66 | 8.55 | 5.74 | | |
| 18 | 0.33 | 0.45 | 0.33 | 1.00 | 0.38 | 8.55 | 13.86 | 7.87 | 4.70 | 3.66 | 8.72 | 5.74 | | |
| 19 | 0.33 | 0.48 | 12.40 | 0.90 | 0.40 | 6.51 | 14.09 | 7.87 | 4.44 | 3.66 | 8.72 | 5.74 | | |
| 20 | 0.35 | 0.38 | 6.68 | 7.19 | 0.40 | 15.24 | 17.08 | 7.70 | 4.57 | 3.40 | 8.72 | 5.61 | | |
| 21 | 0.38 | 1.60 | 31.97 | 3.02 | 0.75 | 10.20 | 13.63 | 6.85 | 4.44 | 3.53 | 8.89 | 3.31 | | |
| 22 | 0.38 | 56.68 | 10.00 | 1.69 | 1.30 | 7.53 | 13.20 | 7.02 | 4.44 | 3.53 | 8.89 | 3.21 | | |
| 23 | 0.33 | 11.20 | 5.48 | 1.50 | 1.15 | 12.60 | 11.20 | 7.02 | 4.44 | 3.40 | 8.72 | 3.21 | | |
| 24 | 0.33 | 15.47 | 7.87 | 1.00 | 0.85 | 7.87 | 10.60 | 7.02 | 4.44 | 3.40 | 8.55 | 3.21 | | |
| 25 | 0.33 | 16.39 | 11.60 | 0.80 | 0.50 | 7.36 | 10.00 | 6.34 | 4.44 | 3.40 | 8.72 | 3.31 | | |
| 26 | 0.65 | 5.61 | 7.70 | 0.90 | 0.85 | 47.36 | 10.00 | 6.17 | 4.44 | 3.40 | 8.38 | 3.31 | | |
| 27 | 0.35 | 3.79 | 10.20 | 1.40 | 0.75 | 129.04 | 10.00 | 6.34 | 4.44 | 3.40 | 5.22 | 3.31 | | |
| 28 | 0.75 | 3.92 | 10.80 | 1.98 | 1.05 | 86.95 | 10.00 | 6.34 | 4.44 | 3.40 | 5.22 | 3.31 | | |
| 29 | 1.79 | 3.66 | 6.00 | 1.60 | 0.65 | 90.80 | 8.72 | 5.74 | 4.44 | 3.40 | | 3.31 | | |
| 30 | 0.90 | 2.74 | 4.96 | 1.98 | 0.48 | 30.42 | 10.00 | 5.09 | 4.44 | 3.40 | | 3.21 | | |
| 31 | | 1.50 | | 2.36 | 3.79 | | 8.72 | | 4.18 | 3.40 | | 3.21 | | |
| Total | 13.61 | 130.92 | 140.74 | 73.07 | 33.29 | 679.87 | 714.32 | 231.87 | 143.88 | 113.07 | 248.89 | 187.11 | 2710.64 | CMSDAY |
| Mean | 0.45 | 4.22 | 4.69 | 2.36 | 1.07 | 22.66 | 23.04 | 7.73 | 4.64 | 3.65 | 8.89 | 6.04 | 7.43 | CMS |
| Max | 1.79 | 56.68 | 31.97 | 7.19 | 3.79 | 129.04 | 63.90 | 9.06 | 5.74 | 4.18 | 17.54 | 9.23 | 129.04 | CMS |
| Min | 0.33 | 0.23 | 0.33 | 0.80 | 0.38 | 1.15 | 8.72 | 5.09 | 4.05 | 3.40 | 3.40 | 3.21 | 0.23 | CMS |
| Runoff | 1.18 | 11.31 | 12.16 | 6.31 | 2.88 | 58.74 | 61.72 | 20.03 | 12.43 | 9.77 | 21.50 | 16.17 | 234.20 | MCM |

Momentary Peak 172.85 CMS. at 123.73 m. (MSL.) at 15.00 Hours , on Sep 27 , 2006

Runoff Yield 21.78 Liters/Second/Square KM. Momentary Peak Yield 506.89 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Ngat at Ban Sahakorn Romklao , Chiang Mai (P.56A)

Lat 19 - 17 - 04 N Long 99 - 11 - 23 E

**Location : on left bank at the bridge near land Cooperative Office.**

| | | | |
|---|---|---|---|
| | **Ban** Sahakorn Romklao | **Amphoe** Phrao | **Changwat** Chiang Mai |
| **Drainge Area** | 546 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +408.300 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 10 meters from the top staff gage. | | **Elevation** +414.300 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1998 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1998 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1998 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 16 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

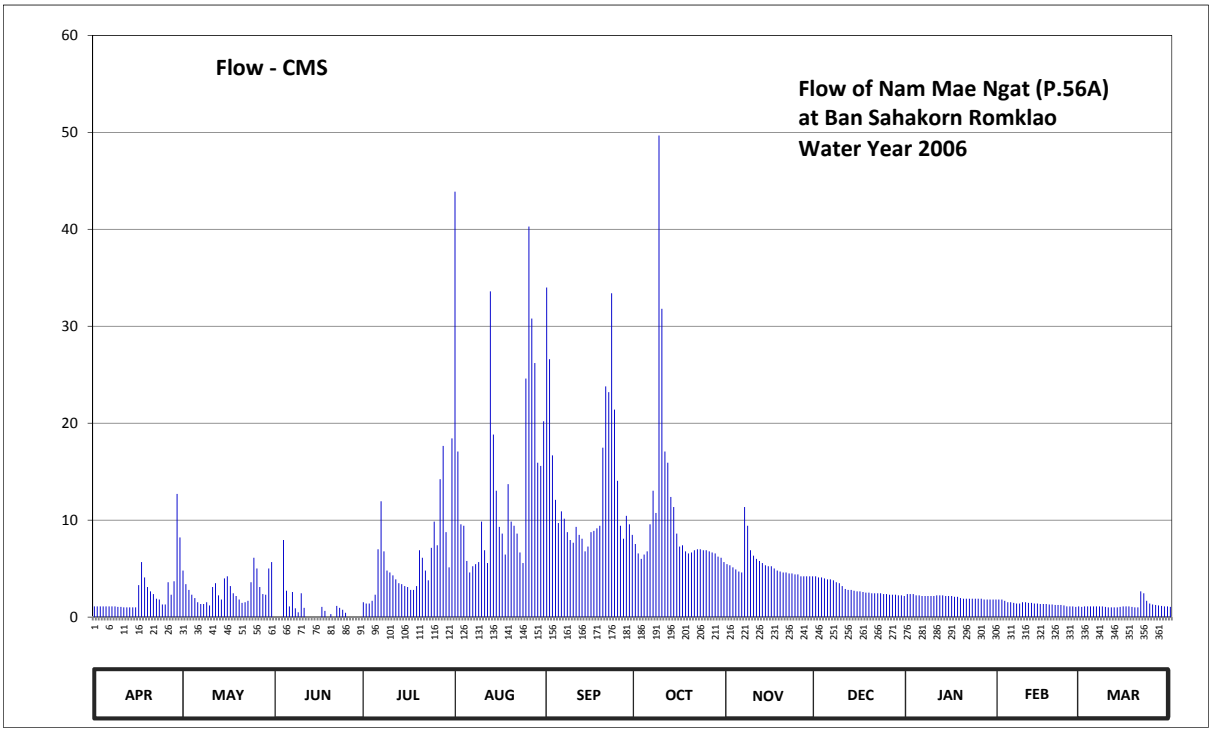
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 409.54 | 410.00 | 409.00 | 409.62 | 412.15 | 411.70 | 410.24 | 410.06 | 409.94 | 409.74 | 409.66 | 409.53 | |
| 2 | 409.54 | 409.86 | 408.97 | 409.60 | 410.85 | 411.33 | 410.16 | 410.05 | 409.93 | 409.74 | 409.66 | 409.54 | |
| 3 | 409.54 | 409.80 | 409.16 | 409.60 | 410.39 | 410.83 | 410.11 | 410.03 | 409.93 | 409.74 | 409.64 | 409.54 | |
| 4 | 409.54 | 409.73 | 410.27 | 409.64 | 410.38 | 410.56 | 410.15 | 410.01 | 409.92 | 409.72 | 409.62 | 409.54 | |
| 5 | 409.54 | 409.68 | 409.79 | 409.73 | 410.09 | 410.40 | 410.18 | 409.99 | 409.91 | 409.72 | 409.62 | 409.54 | |
| 6 | 409.54 | 409.62 | 409.54 | 410.20 | 409.98 | 410.48 | 410.39 | 409.98 | 409.91 | 409.71 | 409.61 | 409.54 | |
| 7 | 409.54 | 409.59 | 409.77 | 410.55 | 410.04 | 410.43 | 410.62 | 410.51 | 409.90 | 409.71 | 409.60 | 409.54 | |
| 8 | 409.54 | 409.59 | 409.50 | 410.18 | 410.06 | 410.33 | 410.47 | 410.38 | 409.88 | 409.71 | 409.60 | 409.54 | |
| 9 | 409.53 | 409.62 | 409.42 | 410.00 | 410.08 | 410.27 | 412.37 | 410.19 | 409.87 | 409.71 | 409.62 | 409.53 | |
| 10 | 409.53 | 409.56 | 409.75 | 409.98 | 410.41 | 410.25 | 411.59 | 410.14 | 409.84 | 409.71 | 409.62 | 409.52 | |
| 11 | 409.52 | 409.83 | 409.51 | 409.95 | 410.19 | 410.37 | 410.85 | 410.11 | 409.81 | 409.72 | 409.61 | 409.52 | |
| 12 | 409.52 | 409.87 | 409.28 | 409.91 | 410.07 | 410.31 | 410.79 | 410.09 | 409.80 | 409.72 | 409.61 | 409.52 | |
| 13 | 409.52 | 409.72 | 409.19 | 409.87 | 411.68 | 410.28 | 410.58 | 410.07 | 409.80 | 409.72 | 409.60 | 409.52 | |
| 14 | 409.52 | 409.66 | 409.13 | 409.86 | 410.94 | 410.18 | 410.51 | 410.05 | 409.79 | 409.71 | 409.60 | 409.53 | |
| 15 | 409.52 | 409.92 | 409.08 | 409.84 | 410.62 | 410.22 | 410.32 | 410.04 | 409.78 | 409.71 | 409.59 | 409.54 | |
| 16 | 409.85 | 409.94 | 409.06 | 409.83 | 410.37 | 410.33 | 410.22 | 410.04 | 409.78 | 409.71 | 409.59 | 409.54 | |
| 17 | 410.08 | 409.84 | 409.53 | 409.80 | 410.32 | 410.34 | 410.23 | 410.02 | 409.77 | 409.70 | 409.59 | 409.54 | |
| 18 | 409.93 | 409.75 | 409.45 | 409.80 | 410.15 | 410.36 | 410.18 | 410.00 | 409.76 | 409.70 | 409.58 | 409.53 | |
| 19 | 409.83 | 409.71 | 409.24 | 409.84 | 410.66 | 410.38 | 410.16 | 409.99 | 409.76 | 409.68 | 409.58 | 409.52 | |
| 20 | 409.78 | 409.66 | 409.38 | 410.19 | 410.41 | 410.87 | 410.17 | 409.98 | 409.75 | 409.67 | 409.57 | 409.52 | |
| 21 | 409.74 | 409.61 | 409.29 | 410.12 | 410.38 | 411.19 | 410.19 | 409.98 | 409.75 | 409.67 | 409.57 | 409.78 | |
| 22 | 409.67 | 409.62 | 409.55 | 410.00 | 410.32 | 411.16 | 410.20 | 409.97 | 409.75 | 409.67 | 409.57 | 409.75 | |
| 23 | 409.66 | 409.64 | 409.51 | 409.90 | 410.17 | 411.67 | 410.20 | 409.97 | 409.75 | 409.67 | 409.56 | 409.64 | |
| 24 | 409.58 | 409.88 | 409.47 | 410.21 | 410.07 | 411.07 | 410.19 | 409.96 | 409.74 | 409.67 | 409.54 | 409.60 | |
| 25 | 409.58 | 410.12 | 409.41 | 410.41 | 411.23 | 410.68 | 410.19 | 409.96 | 409.74 | 409.67 | 409.54 | 409.58 | |
| 26 | 409.88 | 410.02 | 409.27 | 410.23 | 411.99 | 410.38 | 410.18 | 409.94 | 409.73 | 409.67 | 409.54 | 409.57 | |
| 27 | 409.73 | 409.83 | 409.17 | 410.69 | 411.54 | 410.28 | 410.17 | 409.94 | 409.73 | 409.66 | 409.53 | 409.56 | |
| 28 | 409.89 | 409.74 | 409.14 | 410.88 | 411.31 | 410.45 | 410.16 | 409.94 | 409.73 | 409.66 | 409.54 | 409.55 | |
| 29 | 410.60 | 409.73 | 409.14 | 410.33 | 410.79 | 410.39 | 410.13 | 409.94 | 409.72 | 409.66 | | 409.54 | |
| 30 | 410.29 | 410.02 | 409.13 | 410.03 | 410.77 | 410.31 | 410.12 | 409.94 | 409.72 | 409.66 | | 409.54 | |
| 31 | | 410.08 | | 410.92 | 411.01 | | 410.08 | | 409.71 | 409.66 | | 409.53 | |
| Mean | 409.70 | 409.78 | 409.37 | 410.06 | 410.63 | 410.59 | 410.39 | 410.04 | 409.80 | 409.70 | 409.59 | 409.56 | |
| Max | 410.60 | 410.12 | 410.27 | 410.92 | 412.15 | 411.70 | 412.37 | 410.51 | 409.94 | 409.74 | 409.66 | 409.78 | 412.37 |
| Min | 409.52 | 409.56 | 408.97 | 409.60 | 409.98 | 410.18 | 410.08 | 409.94 | 409.71 | 409.66 | 409.53 | 409.52 | 408.97 |

Annual Max Momentary Gage Height 412.78 m. (MSL.) , at 15.00 Hours , on Oct 9, 2006

Zero Gage at Bottom Elevation 408.30 m. (MSL.) , River Bed 409.27 m. (MSL.)

Left Bank Elevation 415.73 m. (MSL.) ,

Right Bank Elevation 415.70 m. (MSL.) , Drainage Are 546 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.10 | 4.80 | 0.00 | 1.54 | 43.88 | 34.00 | 7.54 | 5.46 | 4.20 | 2.38 | 1.82 | 1.05 | | |
| 2 | 1.10 | 3.40 | 0.00 | 1.40 | 17.08 | 26.60 | 6.56 | 5.35 | 4.10 | 2.38 | 1.82 | 1.10 | | |
| 3 | 1.10 | 2.80 | 0.00 | 1.40 | 9.57 | 16.69 | 6.01 | 5.13 | 4.10 | 2.38 | 1.68 | 1.10 | | |
| 4 | 1.10 | 2.31 | 7.95 | 1.68 | 9.43 | 12.10 | 6.45 | 4.91 | 4.00 | 2.24 | 1.54 | 1.10 | | |
| 5 | 1.10 | 1.96 | 2.73 | 2.31 | 5.79 | 9.70 | 6.78 | 4.70 | 3.90 | 2.24 | 1.54 | 1.10 | | |
| 6 | 1.10 | 1.54 | 1.10 | 7.00 | 4.60 | 10.90 | 9.57 | 4.60 | 3.90 | 2.17 | 1.47 | 1.10 | | |
| 7 | 1.10 | 1.35 | 2.59 | 11.95 | 5.24 | 10.15 | 13.04 | 11.35 | 3.80 | 2.17 | 1.40 | 1.10 | | |
| 8 | 1.10 | 1.35 | 0.90 | 6.78 | 5.46 | 8.76 | 10.75 | 9.43 | 3.60 | 2.17 | 1.40 | 1.10 | | |
| 9 | 1.05 | 1.54 | 0.50 | 4.80 | 5.68 | 7.95 | 49.68 | 6.89 | 3.50 | 2.17 | 1.54 | 1.05 | | |
| 10 | 1.05 | 1.20 | 2.45 | 4.60 | 9.85 | 7.68 | 31.80 | 6.34 | 3.20 | 2.17 | 1.54 | 1.00 | | |
| 11 | 1.00 | 3.10 | 0.95 | 4.30 | 6.89 | 9.30 | 17.08 | 6.01 | 2.90 | 2.24 | 1.47 | 1.00 | | |
| 12 | 1.00 | 3.50 | 0.00 | 3.90 | 5.57 | 8.49 | 15.93 | 5.79 | 2.80 | 2.24 | 1.47 | 1.00 | | |
| 13 | 1.00 | 2.24 | 0.00 | 3.50 | 33.60 | 8.08 | 12.40 | 5.57 | 2.80 | 2.24 | 1.40 | 1.00 | | |
| 14 | 1.00 | 1.82 | 0.00 | 3.40 | 18.83 | 6.78 | 11.35 | 5.35 | 2.73 | 2.17 | 1.40 | 1.05 | | |
| 15 | 1.00 | 4.00 | 0.00 | 3.20 | 13.04 | 7.27 | 8.62 | 5.24 | 2.66 | 2.17 | 1.35 | 1.10 | | |
| 16 | 3.30 | 4.20 | 0.00 | 3.10 | 9.30 | 8.76 | 7.27 | 5.24 | 2.66 | 2.17 | 1.35 | 1.10 | | |
| 17 | 5.68 | 3.20 | 1.05 | 2.80 | 8.62 | 8.89 | 7.41 | 5.02 | 2.59 | 2.10 | 1.35 | 1.10 | | |
| 18 | 4.10 | 2.45 | 0.65 | 2.80 | 6.45 | 9.16 | 6.78 | 4.80 | 2.52 | 2.10 | 1.30 | 1.05 | | |
| 19 | 3.10 | 2.17 | 0.00 | 3.20 | 13.72 | 9.43 | 6.56 | 4.70 | 2.52 | 1.96 | 1.30 | 1.00 | | |
| 20 | 2.66 | 1.82 | 0.32 | 6.89 | 9.85 | 17.47 | 6.67 | 4.60 | 2.45 | 1.89 | 1.25 | 1.00 | | |
| 21 | 2.38 | 1.47 | 0.00 | 6.12 | 9.43 | 23.80 | 6.89 | 4.60 | 2.45 | 1.89 | 1.25 | 2.66 | | |
| 22 | 1.89 | 1.54 | 1.15 | 4.80 | 8.62 | 23.20 | 7.00 | 4.50 | 2.45 | 1.89 | 1.25 | 2.45 | | |
| 23 | 1.82 | 1.68 | 0.95 | 3.80 | 6.67 | 33.40 | 7.00 | 4.50 | 2.45 | 1.89 | 1.20 | 1.68 | | |
| 24 | 1.30 | 3.60 | 0.75 | 7.14 | 5.57 | 21.40 | 6.89 | 4.40 | 2.38 | 1.89 | 1.10 | 1.40 | | |
| 25 | 1.30 | 6.12 | 0.45 | 9.85 | 24.60 | 14.06 | 6.89 | 4.40 | 2.38 | 1.89 | 1.10 | 1.30 | | |
| 26 | 3.60 | 5.02 | 0.00 | 7.41 | 40.28 | 9.43 | 6.78 | 4.20 | 2.31 | 1.89 | 1.10 | 1.25 | | |
| 27 | 2.31 | 3.10 | 0.00 | 14.23 | 30.80 | 8.08 | 6.67 | 4.20 | 2.31 | 1.82 | 1.05 | 1.20 | | |
| 28 | 3.70 | 2.38 | 0.00 | 17.66 | 26.20 | 10.45 | 6.56 | 4.20 | 2.31 | 1.82 | 1.10 | 1.15 | | |
| 29 | 12.70 | 2.31 | 0.00 | 8.76 | 15.93 | 9.57 | 6.23 | 4.20 | 2.24 | 1.82 | | 1.10 | | |
| 30 | 8.22 | 5.02 | 0.00 | 5.13 | 15.59 | 8.49 | 6.12 | 4.20 | 2.24 | 1.82 | | 1.10 | | |
| 31 | | 5.68 | | 18.44 | 20.20 | | 5.68 | | 2.17 | 1.82 | | 1.05 | | |
| Total | 73.96 | 88.67 | 24.49 | 183.89 | 446.34 | 400.04 | 320.96 | 159.88 | 90.62 | 64.19 | 38.54 | 37.54 | 1929.12 | CMSDAY |
| Mean | 2.47 | 2.86 | 0.82 | 5.93 | 14.40 | 13.33 | 10.35 | 5.33 | 2.92 | 2.07 | 1.38 | 1.21 | 5.29 | CMS |
| Max | 12.70 | 6.12 | 7.95 | 18.44 | 43.88 | 34.00 | 49.68 | 11.35 | 4.20 | 2.38 | 1.82 | 2.66 | 49.68 | CMS |
| Min | 1.00 | 1.20 | 0.00 | 1.40 | 4.60 | 6.78 | 5.68 | 4.20 | 2.17 | 1.82 | 1.05 | 1.00 | 0.00 | CMS |
| Runoff | 6.39 | 7.66 | 2.12 | 15.89 | 38.56 | 34.56 | 27.73 | 13.81 | 7.83 | 5.55 | 3.33 | 3.24 | 166.68 | MCM |

Momentary Peak 60.95 CMS. at 412.78 m. (MSL.) at 15.00 Hours , on Oct 9, 2006

Runoff Yield 9.68 Liters/Second/Square KM. Momentary Peak Yield 111.63 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Mae Tae , Chiang Mai (P.67)

Lat 19 - 01 - 11 N Long 98 - 57 - 43 E

**Location : on left bank at the bridge on highway.**

**Ban** Mae Tae **Amphoe** San Sai **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 5,323 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +315.926 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 20 meters from the top staff gage. **Elevation** +323.690 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1995 to date |
| **Rating Operation** | |
| **Period of Rating** | 1995 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1995 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Mae Faek and Mae Taeng weir situated above gage site. Flow effected by the sand-dredger about 10 kilometers downstream from the gage site. Stage-discharge relation defined by 36 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

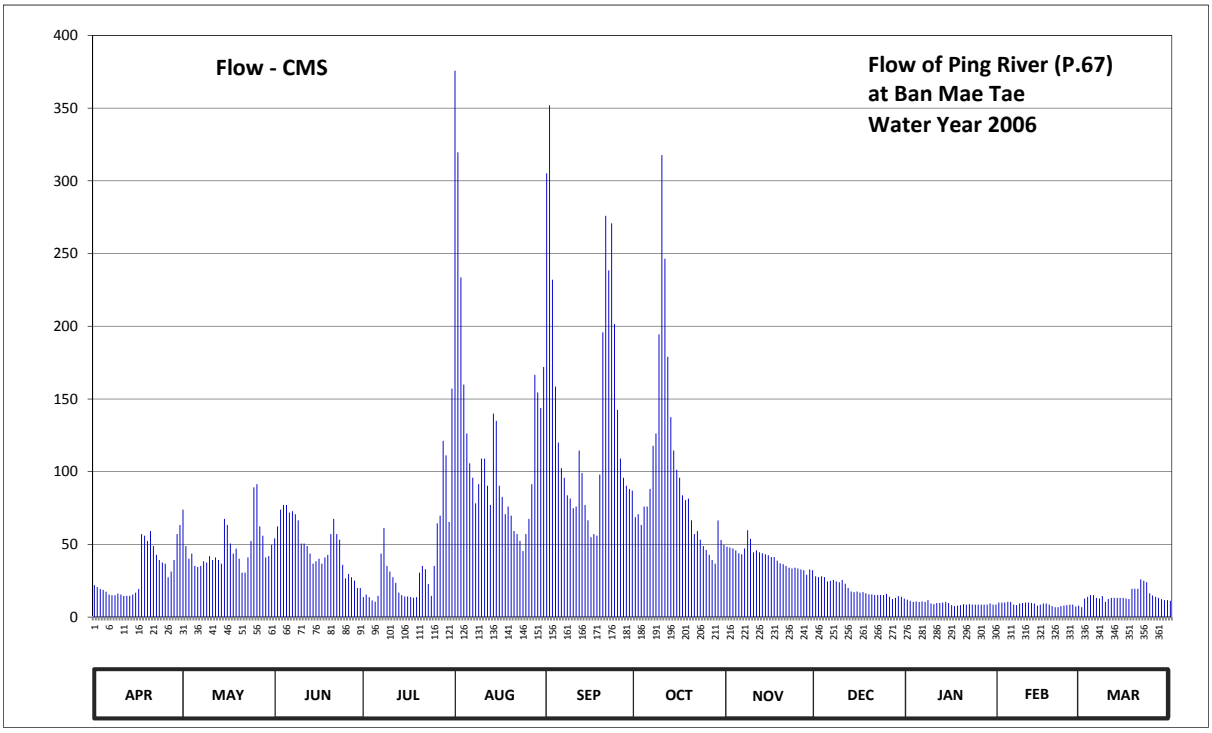
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 317.00 | 317.58 | 317.39 | 316.86 | 319.63 | 319.24 | 317.53 | 317.13 | 316.80 | 316.45 | 316.40 | 316.31 | |
| 2 | 316.98 | 317.33 | 317.47 | 316.90 | 319.32 | 319.50 | 317.55 | 317.12 | 316.79 | 316.43 | 316.40 | 316.47 | |
| 3 | 316.96 | 317.23 | 317.58 | 316.86 | 318.81 | 318.80 | 317.48 | 317.11 | 316.80 | 316.41 | 316.40 | 316.50 | |
| 4 | 316.95 | 317.27 | 317.61 | 316.81 | 318.31 | 318.30 | 317.60 | 317.09 | 316.79 | 316.42 | 316.41 | 316.53 | |
| 5 | 316.93 | 317.17 | 317.61 | 316.79 | 318.05 | 318.00 | 317.60 | 317.06 | 316.73 | 316.41 | 316.41 | 316.53 | |
| 6 | 316.90 | 317.16 | 317.56 | 316.88 | 317.87 | 317.84 | 317.71 | 317.05 | 316.74 | 316.42 | 316.36 | 316.48 | |
| 7 | 316.89 | 317.17 | 317.57 | 317.27 | 317.78 | 317.78 | 317.98 | 317.11 | 316.75 | 316.41 | 316.35 | 316.47 | |
| 8 | 316.89 | 317.21 | 317.55 | 317.46 | 317.62 | 317.67 | 318.05 | 317.29 | 316.73 | 316.44 | 316.38 | 316.51 | |
| 9 | 316.91 | 317.20 | 317.51 | 317.17 | 317.74 | 317.65 | 318.56 | 317.21 | 316.72 | 316.38 | 316.39 | 316.41 | |
| 10 | 316.90 | 317.25 | 317.35 | 317.12 | 317.90 | 317.59 | 319.31 | 317.07 | 316.75 | 316.37 | 316.40 | 316.46 | |
| 11 | 316.88 | 317.22 | 317.35 | 317.07 | 317.90 | 317.60 | 318.89 | 317.09 | 316.70 | 316.39 | 316.40 | 316.48 | |
| 12 | 316.88 | 317.24 | 317.33 | 317.02 | 317.73 | 317.95 | 318.45 | 317.07 | 316.64 | 316.39 | 316.39 | 316.48 | |
| 13 | 316.88 | 317.22 | 317.27 | 316.92 | 317.61 | 317.81 | 318.14 | 317.06 | 316.59 | 316.40 | 316.38 | 316.48 | |
| 14 | 316.90 | 317.19 | 317.19 | 316.89 | 318.16 | 317.61 | 317.95 | 317.05 | 316.58 | 316.41 | 316.34 | 316.48 | |
| 15 | 316.92 | 317.52 | 317.21 | 316.87 | 318.12 | 317.51 | 317.83 | 317.04 | 316.59 | 316.39 | 316.36 | 316.48 | |
| 16 | 316.96 | 317.48 | 317.23 | 316.87 | 317.73 | 317.40 | 317.78 | 317.02 | 316.57 | 316.35 | 316.38 | 316.47 | |
| 17 | 317.42 | 317.35 | 317.19 | 316.86 | 317.66 | 317.42 | 317.67 | 317.02 | 316.58 | 316.33 | 316.38 | 316.46 | |
| 18 | 317.41 | 317.27 | 317.24 | 316.85 | 317.55 | 317.41 | 317.64 | 316.98 | 316.56 | 316.34 | 316.36 | 316.63 | |
| 19 | 317.37 | 317.31 | 317.26 | 316.86 | 317.60 | 317.80 | 317.65 | 316.95 | 316.54 | 316.35 | 316.33 | 316.63 | |
| 20 | 317.44 | 317.23 | 317.42 | 317.11 | 317.54 | 318.57 | 317.51 | 316.94 | 316.54 | 316.37 | 316.31 | 316.63 | |
| 21 | 317.33 | 317.11 | 317.52 | 317.17 | 317.44 | 319.07 | 317.42 | 316.92 | 316.53 | 316.36 | 316.31 | 316.76 | |
| 22 | 317.26 | 317.11 | 317.42 | 317.14 | 317.42 | 318.84 | 317.44 | 316.90 | 316.53 | 316.37 | 316.33 | 316.74 | |
| 23 | 317.22 | 317.24 | 317.38 | 317.01 | 317.37 | 319.04 | 317.38 | 316.89 | 316.53 | 316.36 | 316.34 | 316.72 | |
| 24 | 317.20 | 317.37 | 317.18 | 316.88 | 317.29 | 318.61 | 317.33 | 316.90 | 316.53 | 316.36 | 316.35 | 316.56 | |
| 25 | 317.19 | 317.72 | 317.06 | 317.17 | 317.42 | 318.18 | 317.30 | 316.89 | 316.55 | 316.36 | 316.36 | 316.52 | |
| 26 | 317.07 | 317.74 | 317.10 | 317.49 | 317.52 | 317.90 | 317.26 | 316.88 | 316.50 | 316.36 | 316.36 | 316.50 | |
| 27 | 317.12 | 317.47 | 317.07 | 317.54 | 317.74 | 317.78 | 317.22 | 316.87 | 316.46 | 316.36 | 316.32 | 316.48 | |
| 28 | 317.22 | 317.41 | 317.04 | 318.01 | 318.36 | 317.73 | 317.19 | 316.82 | 316.48 | 316.36 | 316.34 | 316.46 | |
| 29 | 317.42 | 317.24 | 316.97 | 317.92 | 318.27 | 317.71 | 317.38 | 316.88 | 316.51 | 316.38 | | 316.44 | |
| 30 | 317.48 | 317.25 | 316.97 | 317.50 | 318.19 | 317.70 | 317.20 | 316.87 | 316.50 | 316.36 | | 316.44 | |
| 31 | | 317.34 | | 318.29 | 318.40 | | 317.15 | | 316.47 | 316.36 | | 316.43 | |
| Mean | 317.10 | 317.31 | 317.32 | 317.15 | 317.94 | 318.07 | 317.71 | 317.01 | 316.62 | 316.38 | 316.37 | 316.51 | |
| Max | 317.48 | 317.74 | 317.61 | 318.29 | 319.63 | 319.50 | 319.31 | 317.29 | 316.80 | 316.45 | 316.41 | 316.76 | 319.63 |
| Min | 316.88 | 317.11 | 316.97 | 316.79 | 317.29 | 317.40 | 317.15 | 316.82 | 316.46 | 316.33 | 316.31 | 316.31 | 316.31 |

Annual Max Momentary Gage Height 319.83 m. (MSL.) , at 04.00 Hours , on Aug 1, 2006

Zero Gage at Bottom Elevation 315.93 m. (MSL.) , River Bed 316.70 m. (MSL.)

Left Bank Elevation 326.30 m. (MSL.) ,

Right Bank Elevation 326.21 m. (MSL.) , Drainage Are 5,323 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22.00 | 73.90 | 54.13 | 13.70 | 375.70 | 305.20 | 68.65 | 48.45 | 28.00 | 12.00 | 10.00 | 6.85 | | |
| 2 | 20.70 | 48.88 | 62.35 | 15.50 | 319.60 | 352.00 | 70.75 | 47.80 | 27.50 | 11.20 | 10.00 | 12.80 | | |
| 3 | 19.40 | 40.12 | 73.90 | 13.70 | 233.60 | 232.00 | 63.40 | 47.15 | 28.00 | 10.40 | 10.00 | 14.00 | | |
| 4 | 18.75 | 43.63 | 77.10 | 11.45 | 159.85 | 158.50 | 76.00 | 45.85 | 27.50 | 10.80 | 10.40 | 15.20 | | |
| 5 | 17.45 | 35.17 | 77.10 | 10.60 | 126.25 | 120.00 | 76.00 | 43.90 | 24.50 | 10.40 | 10.40 | 15.20 | | |
| 6 | 15.50 | 34.40 | 71.80 | 14.60 | 105.70 | 102.40 | 88.10 | 43.25 | 25.00 | 10.80 | 8.60 | 13.20 | | |
| 7 | 15.05 | 35.17 | 72.85 | 43.63 | 95.80 | 95.80 | 117.80 | 47.15 | 25.50 | 10.40 | 8.25 | 12.80 | | |
| 8 | 15.05 | 38.37 | 70.75 | 61.30 | 78.20 | 83.70 | 126.25 | 59.75 | 24.50 | 11.60 | 9.30 | 14.40 | | |
| 9 | 16.15 | 37.50 | 66.55 | 35.17 | 91.40 | 81.50 | 194.40 | 53.75 | 24.00 | 9.30 | 9.65 | 10.40 | | |
| 10 | 15.50 | 41.87 | 50.63 | 31.30 | 109.00 | 74.95 | 317.80 | 44.55 | 25.50 | 8.95 | 10.00 | 12.40 | | |
| 11 | 14.60 | 39.25 | 50.63 | 27.43 | 109.00 | 76.00 | 246.40 | 45.85 | 23.00 | 9.65 | 10.00 | 13.20 | | |
| 12 | 14.60 | 41.00 | 48.88 | 23.55 | 90.30 | 114.50 | 179.00 | 44.55 | 20.00 | 9.65 | 9.65 | 13.20 | | |
| 13 | 14.60 | 39.25 | 43.63 | 16.80 | 77.10 | 99.10 | 137.50 | 43.90 | 17.60 | 10.00 | 9.30 | 13.20 | | |
| 14 | 15.50 | 36.72 | 36.72 | 15.05 | 140.00 | 77.10 | 114.50 | 43.25 | 17.20 | 10.40 | 7.90 | 13.20 | | |
| 15 | 16.80 | 67.60 | 38.37 | 14.15 | 135.00 | 66.55 | 101.30 | 42.60 | 17.60 | 9.65 | 8.60 | 13.20 | | |
| 16 | 19.40 | 63.40 | 40.12 | 14.15 | 90.30 | 55.00 | 95.80 | 41.30 | 16.80 | 8.25 | 9.30 | 12.80 | | |
| 17 | 57.10 | 50.63 | 36.72 | 13.70 | 82.60 | 57.10 | 83.70 | 41.30 | 17.20 | 7.55 | 9.30 | 12.40 | | |
| 18 | 56.05 | 43.63 | 41.00 | 13.25 | 70.75 | 56.05 | 80.40 | 38.80 | 16.40 | 7.90 | 8.60 | 19.50 | | |
| 19 | 52.38 | 47.13 | 42.75 | 13.70 | 76.00 | 98.00 | 81.50 | 37.00 | 15.60 | 8.25 | 7.55 | 19.50 | | |
| 20 | 59.20 | 40.12 | 57.10 | 30.53 | 69.70 | 195.80 | 66.55 | 36.40 | 15.60 | 8.95 | 6.85 | 19.50 | | |
| 21 | 48.88 | 30.53 | 67.60 | 35.17 | 59.20 | 275.90 | 57.10 | 35.20 | 15.20 | 8.60 | 6.85 | 26.00 | | |
| 22 | 42.75 | 30.53 | 57.10 | 32.85 | 57.10 | 238.40 | 59.20 | 34.00 | 15.20 | 8.95 | 7.55 | 25.00 | | |
| 23 | 39.25 | 41.00 | 53.25 | 22.78 | 52.38 | 270.80 | 53.25 | 33.40 | 15.20 | 8.60 | 7.90 | 24.00 | | |
| 24 | 37.50 | 52.38 | 35.95 | 14.60 | 45.38 | 201.60 | 48.88 | 34.00 | 15.20 | 8.60 | 8.25 | 16.40 | | |
| 25 | 36.72 | 89.20 | 26.65 | 35.17 | 57.10 | 142.50 | 46.25 | 33.40 | 16.00 | 8.60 | 8.60 | 14.80 | | |
| 26 | 27.43 | 91.40 | 29.75 | 64.45 | 67.60 | 109.00 | 42.75 | 32.80 | 14.00 | 8.60 | 8.60 | 14.00 | | |
| 27 | 31.30 | 62.35 | 27.43 | 69.70 | 91.40 | 95.80 | 39.25 | 32.20 | 12.40 | 8.60 | 7.20 | 13.20 | | |
| 28 | 39.25 | 56.05 | 25.10 | 121.25 | 166.60 | 90.30 | 36.72 | 29.20 | 13.20 | 8.60 | 7.90 | 12.40 | | |
| 29 | 57.10 | 41.00 | 20.05 | 111.20 | 154.45 | 88.10 | 66.50 | 32.80 | 14.40 | 9.30 | | 11.60 | | |
| 30 | 63.40 | 41.87 | 20.05 | 65.50 | 143.75 | 87.00 | 53.00 | 32.20 | 14.00 | 8.60 | | 11.60 | | |
| 31 | | 49.75 | | 157.15 | 172.00 | | 49.75 | | 12.80 | 8.60 | | 11.20 | | |
| Total | 919.36 | 1483.80 | 1476.01 | 1163.08 | 3702.81 | 4100.65 | 2938.45 | 1225.75 | 594.60 | 291.75 | 246.50 | 457.15 | 18599.91 | CMSDAY |
| Mean | 30.65 | 47.86 | 49.20 | 37.52 | 119.45 | 136.69 | 94.79 | 40.86 | 19.18 | 9.41 | 8.80 | 14.75 | 50.96 | CMS |
| Max | 63.40 | 91.40 | 77.10 | 157.15 | 375.70 | 352.00 | 317.80 | 59.75 | 28.00 | 12.00 | 10.40 | 26.00 | 375.70 | CMS |
| Min | 14.60 | 30.53 | 20.05 | 10.60 | 45.38 | 55.00 | 36.72 | 29.20 | 12.40 | 7.55 | 6.85 | 6.85 | 6.85 | CMS |
| Runoff | 79.43 | 128.20 | 127.53 | 100.49 | 319.92 | 354.30 | 253.88 | 105.90 | 51.37 | 25.21 | 21.30 | 39.50 | 1607.03 | MCM |

Momentary Peak 413.70 CMS. at 319.83 m. (MSL.) at 04.00 Hours , on Aug 1, 2006

Runoff Yield 9.57 Liters/Second/Square KM. Momentary Peak Yield 77.72 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Khan at Ban Klang , Chiang Mai (P.71)

Lat 18 - 32 - 13 N Long 98 - 51 - 45 E

**Location : on left bank at the bridge on highway.**

**Ban** Klang **Amphoe** San Pa Tong **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 1,758 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +284.26 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 3 meters from the top staff gage. **Elevation** +290.660 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1996 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The concrete weir made by R.I.D. about 3 kilometers and the temporary weir about 300 meters downstream from the gage site. Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

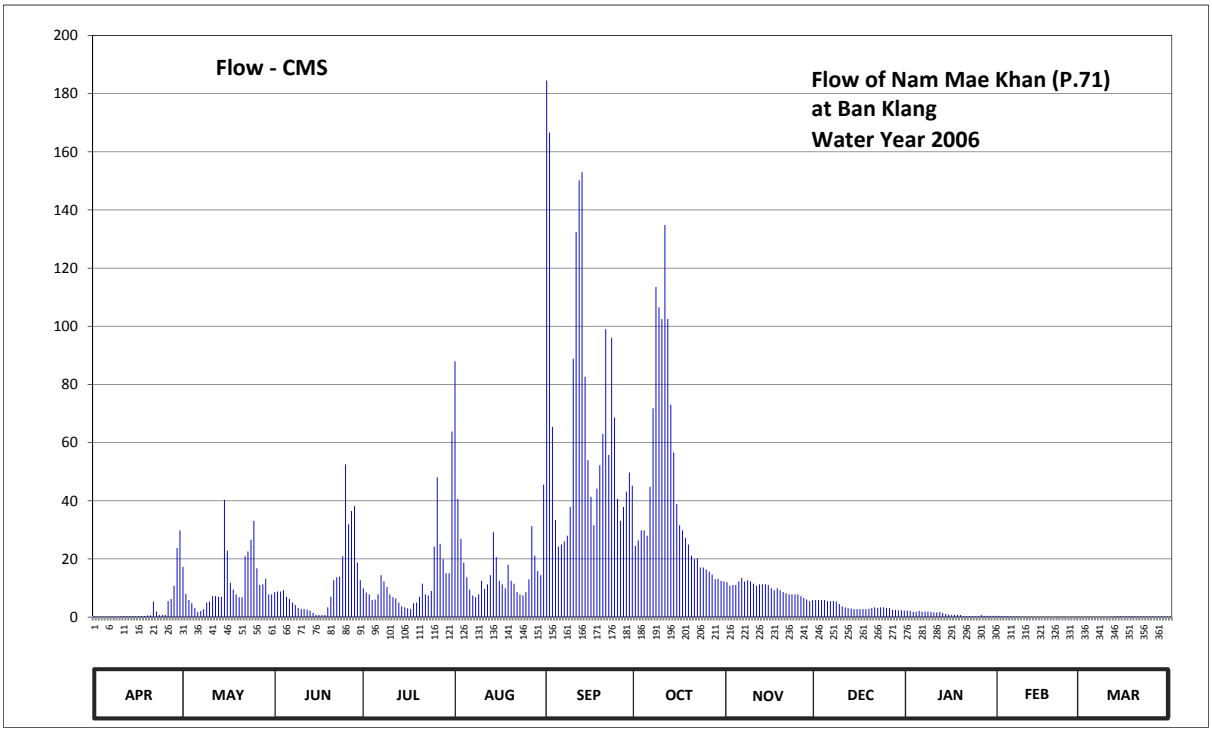
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 284.70 | 285.67 | 285.30 | 285.36 | 287.71 | 289.25 | 285.97 | 285.45 | 285.16 | 284.92 | 284.71 | 284.56 | |
| 2 | 284.65 | 285.27 | 285.31 | 285.29 | 286.49 | 289.07 | 286.04 | 285.40 | 285.16 | 284.91 | 284.68 | 284.56 | |
| 3 | 284.65 | 285.16 | 285.31 | 285.26 | 286.06 | 287.16 | 286.16 | 285.41 | 285.16 | 284.88 | 284.68 | 284.56 | |
| 4 | 284.65 | 285.10 | 285.33 | 285.16 | 285.73 | 286.28 | 286.16 | 285.41 | 285.16 | 284.88 | 284.66 | 284.56 | |
| 5 | 284.65 | 284.99 | 285.22 | 285.17 | 285.52 | 285.96 | 286.10 | 285.46 | 285.14 | 284.91 | 284.66 | 284.56 | |
| 6 | 284.65 | 284.87 | 285.18 | 285.26 | 285.34 | 285.99 | 286.61 | 285.51 | 285.14 | 284.89 | 284.66 | 284.56 | |
| 7 | 284.65 | 284.91 | 285.11 | 285.55 | 285.24 | 286.03 | 287.32 | 285.46 | 285.14 | 284.89 | 284.64 | 284.56 | |
| 8 | 284.65 | 284.96 | 285.06 | 285.46 | 285.21 | 286.10 | 288.23 | 285.48 | 285.13 | 284.89 | 284.63 | 284.56 | |
| 9 | 284.65 | 285.11 | 285.00 | 285.38 | 285.26 | 286.41 | 288.09 | 285.46 | 285.08 | 284.88 | 284.62 | 284.56 | |
| 10 | 284.68 | 285.13 | 284.96 | 285.26 | 285.47 | 287.73 | 288.01 | 285.43 | 285.03 | 284.86 | 284.61 | 284.56 | |
| 11 | 284.68 | 285.23 | 284.96 | 285.21 | 285.35 | 288.59 | 288.63 | 285.40 | 285.01 | 284.86 | 284.58 | 284.71 | |
| 12 | 284.68 | 285.23 | 284.95 | 285.19 | 285.42 | 288.86 | 288.01 | 285.42 | 284.99 | 284.88 | 284.56 | 284.86 | |
| 13 | 284.68 | 285.22 | 284.92 | 285.11 | 285.55 | 288.90 | 287.35 | 285.42 | 284.98 | 284.84 | 284.56 | 284.89 | |
| 14 | 284.68 | 285.22 | 284.85 | 285.03 | 286.14 | 287.59 | 286.94 | 285.42 | 284.96 | 284.81 | 284.56 | 284.90 | |
| 15 | 284.68 | 286.48 | 284.76 | 285.01 | 285.81 | 286.87 | 286.44 | 285.41 | 284.96 | 284.78 | 284.56 | 284.89 | |
| 16 | 284.68 | 285.90 | 284.76 | 284.98 | 285.47 | 286.51 | 286.22 | 285.36 | 284.96 | 284.76 | 284.57 | 284.87 | |
| 17 | 284.70 | 285.44 | 284.76 | 284.96 | 285.42 | 286.22 | 286.16 | 285.33 | 284.96 | 284.76 | 284.57 | 284.86 | |
| 18 | 284.70 | 285.34 | 284.76 | 285.10 | 285.36 | 286.59 | 286.07 | 285.36 | 284.96 | 284.76 | 284.56 | 284.86 | |
| 19 | 284.73 | 285.26 | 285.01 | 285.11 | 285.70 | 286.82 | 285.99 | 285.33 | 284.97 | 284.75 | 284.58 | 284.85 | |
| 20 | 284.73 | 285.21 | 285.22 | 285.22 | 285.47 | 287.10 | 285.83 | 285.30 | 285.00 | 284.70 | 284.58 | 284.81 | |
| 21 | 285.13 | 285.21 | 285.48 | 285.43 | 285.43 | 287.94 | 285.78 | 285.28 | 285.01 | 284.69 | 284.58 | 284.81 | |
| 22 | 284.89 | 285.82 | 285.52 | 285.26 | 285.30 | 286.92 | 285.79 | 285.26 | 285.00 | 284.68 | 284.58 | 284.81 | |
| 23 | 284.76 | 285.89 | 285.53 | 285.24 | 285.26 | 287.88 | 285.66 | 285.26 | 285.01 | 284.67 | 284.58 | 284.81 | |
| 24 | 284.76 | 286.05 | 285.82 | 285.32 | 285.24 | 287.24 | 285.66 | 285.26 | 285.01 | 284.66 | 284.58 | 284.81 | |
| 25 | 284.76 | 286.27 | 286.83 | 285.96 | 285.30 | 286.49 | 285.63 | 285.26 | 285.00 | 284.68 | 284.58 | 284.81 | |
| 26 | 285.14 | 285.65 | 286.23 | 286.70 | 285.49 | 286.27 | 285.60 | 285.23 | 284.99 | 284.75 | 284.58 | 284.81 | |
| 27 | 285.18 | 285.41 | 286.37 | 286.00 | 286.21 | 286.41 | 285.56 | 285.20 | 284.94 | 284.71 | 284.56 | 284.81 | |
| 28 | 285.40 | 285.42 | 286.42 | 285.78 | 285.83 | 286.56 | 285.49 | 285.17 | 284.94 | 284.71 | 284.56 | 284.80 | |
| 29 | 285.94 | 285.50 | 285.73 | 285.58 | 285.61 | 286.75 | 285.50 | 285.14 | 284.93 | 284.71 | | 284.79 | |
| 30 | 286.16 | 285.26 | 285.48 | 285.58 | 285.55 | 286.62 | 285.47 | 285.16 | 284.93 | 284.71 | | 284.80 | |
| 31 | | 285.26 | | 287.12 | 286.63 | | 285.46 | | 284.92 | 284.71 | | 284.86 | |
| Mean | 284.85 | 285.40 | 285.34 | 285.42 | 285.66 | 287.10 | 286.38 | 285.35 | 285.02 | 284.79 | 284.60 | 284.74 | |
| Max | 286.16 | 286.48 | 286.83 | 287.12 | 287.71 | 289.25 | 288.63 | 285.51 | 285.16 | 284.92 | 284.71 | 284.90 | 289.25 |
| Min | 284.65 | 284.87 | 284.76 | 284.96 | 285.21 | 285.96 | 285.46 | 285.14 | 284.92 | 284.66 | 284.56 | 284.56 | 284.56 |

Annual Max Momentary Gage Height 289.16 m. (MSL.) , at 06.00 Hours , on Sep 13, 2006

Zero Gage at Bottom Elevation 284.26 m. (MSL.) , River Bed 283.18 m. (MSL.)

Left Bank Elevation 290.69 m. (MSL.) ,

Right Bank Elevation 290.68 m. (MSL.) , Drainage Are 1,758 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.40 | 17.28 | 8.60 | 9.92 | 87.95 | 184.50 | 24.48 | 12.00 | 5.88 | 2.24 | 0.46 | 0.03 | | |
| 2 | 0.23 | 8.00 | 8.82 | 8.40 | 40.65 | 166.60 | 26.32 | 10.80 | 5.88 | 2.12 | 0.33 | 0.03 | | |
| 3 | 0.23 | 5.88 | 8.82 | 7.80 | 26.88 | 65.40 | 29.80 | 11.04 | 5.88 | 1.80 | 0.33 | 0.03 | | |
| 4 | 0.23 | 4.80 | 9.26 | 5.88 | 18.72 | 33.40 | 29.80 | 11.04 | 5.88 | 1.80 | 0.26 | 0.03 | | |
| 5 | 0.23 | 3.08 | 7.00 | 6.06 | 13.68 | 24.24 | 28.00 | 12.24 | 5.52 | 2.12 | 0.26 | 0.03 | | |
| 6 | 0.23 | 1.70 | 6.24 | 7.80 | 9.48 | 24.96 | 44.85 | 13.44 | 5.52 | 1.90 | 0.26 | 0.03 | | |
| 7 | 0.23 | 2.12 | 4.98 | 14.40 | 7.40 | 26.04 | 71.80 | 12.24 | 5.52 | 1.90 | 0.19 | 0.03 | | |
| 8 | 0.23 | 2.72 | 4.16 | 12.24 | 6.80 | 28.00 | 113.50 | 12.72 | 5.34 | 1.90 | 0.16 | 0.03 | | |
| 9 | 0.23 | 4.98 | 3.20 | 10.36 | 7.80 | 37.85 | 106.50 | 12.24 | 4.48 | 1.80 | 0.12 | 0.03 | | |
| 10 | 0.33 | 5.34 | 2.72 | 7.80 | 12.48 | 88.85 | 102.50 | 11.52 | 3.68 | 1.60 | 0.09 | 0.03 | | |
| 11 | 0.33 | 7.20 | 2.72 | 6.80 | 9.70 | 132.40 | 134.80 | 10.80 | 3.36 | 1.60 | 0.04 | 0.11 | | |
| 12 | 0.33 | 7.20 | 2.60 | 6.42 | 11.28 | 150.20 | 102.50 | 11.28 | 3.08 | 1.80 | 0.03 | 0.26 | | |
| 13 | 0.33 | 7.00 | 2.24 | 4.98 | 14.40 | 153.00 | 73.00 | 11.28 | 2.96 | 1.40 | 0.03 | 0.29 | | |
| 14 | 0.33 | 7.00 | 1.50 | 3.68 | 29.20 | 82.60 | 56.60 | 11.28 | 2.72 | 1.10 | 0.03 | 0.30 | | |
| 15 | 0.33 | 40.30 | 0.76 | 3.36 | 20.64 | 53.95 | 38.90 | 11.04 | 2.72 | 0.88 | 0.03 | 0.29 | | |
| 16 | 0.33 | 22.80 | 0.76 | 2.96 | 12.48 | 41.35 | 31.60 | 9.92 | 2.72 | 0.76 | 0.04 | 0.27 | | |
| 17 | 0.40 | 11.76 | 0.76 | 2.72 | 11.28 | 31.60 | 29.80 | 9.26 | 2.72 | 0.76 | 0.04 | 0.26 | | |
| 18 | 0.40 | 9.48 | 0.76 | 4.80 | 9.92 | 44.15 | 27.16 | 9.92 | 2.72 | 0.76 | 0.03 | 0.26 | | |
| 19 | 0.58 | 7.80 | 3.36 | 4.98 | 18.00 | 52.20 | 24.96 | 9.26 | 2.84 | 0.70 | 0.04 | 0.25 | | |
| 20 | 0.58 | 6.80 | 7.00 | 7.00 | 12.48 | 63.00 | 21.12 | 8.60 | 3.20 | 0.40 | 0.04 | 0.21 | | |
| 21 | 5.34 | 6.80 | 12.72 | 11.52 | 11.52 | 99.00 | 19.92 | 8.20 | 3.36 | 0.37 | 0.04 | 0.21 | | |
| 22 | 1.90 | 20.88 | 13.68 | 7.80 | 8.60 | 55.80 | 20.16 | 7.80 | 3.20 | 0.33 | 0.04 | 0.21 | | |
| 23 | 0.76 | 22.56 | 13.92 | 7.40 | 7.80 | 96.00 | 17.04 | 7.80 | 3.36 | 0.30 | 0.04 | 0.21 | | |
| 24 | 0.76 | 26.60 | 20.88 | 9.04 | 7.40 | 68.60 | 17.04 | 7.80 | 3.36 | 0.26 | 0.04 | 0.21 | | |
| 25 | 0.76 | 33.10 | 52.55 | 24.24 | 8.60 | 40.65 | 16.32 | 7.80 | 3.20 | 0.33 | 0.04 | 0.21 | | |
| 26 | 5.52 | 16.80 | 31.90 | 48.00 | 12.96 | 33.10 | 15.60 | 7.20 | 3.08 | 0.70 | 0.04 | 0.21 | | |
| 27 | 6.24 | 11.04 | 36.45 | 25.20 | 31.30 | 37.85 | 14.64 | 6.60 | 2.48 | 0.46 | 0.03 | 0.21 | | |
| 28 | 10.80 | 11.28 | 38.20 | 19.92 | 21.12 | 43.10 | 12.96 | 6.06 | 2.48 | 0.46 | 0.03 | 0.20 | | |
| 29 | 23.76 | 13.20 | 18.72 | 15.12 | 15.84 | 49.75 | 13.20 | 5.52 | 2.36 | 0.46 | | 0.19 | | |
| 30 | 29.80 | 7.80 | 12.72 | 15.12 | 14.40 | 45.20 | 12.48 | 5.88 | 2.36 | 0.46 | | 0.20 | | |
| 31 | | 7.80 | | 63.80 | 45.55 | | 12.24 | | 2.24 | 0.46 | | 0.26 | | |
| Total | 92.15 | 361.10 | 338.00 | 385.52 | 566.31 | 2053.34 | 1289.59 | 292.58 | 114.10 | 33.93 | 3.11 | 5.12 | 5534.85 | CMSDAY |
| Mean | 3.07 | 11.65 | 11.27 | 12.44 | 18.27 | 68.44 | 41.60 | 9.75 | 3.68 | 1.09 | 0.11 | 0.17 | 15.16 | CMS |
| Max | 29.80 | 40.30 | 52.55 | 63.80 | 87.95 | 184.50 | 134.80 | 13.44 | 5.88 | 2.24 | 0.46 | 0.30 | 184.50 | CMS |
| Min | 0.23 | 1.70 | 0.76 | 2.72 | 6.80 | 24.24 | 12.24 | 5.52 | 2.24 | 0.26 | 0.03 | 0.03 | 0.03 | CMS |
| Runoff | 7.96 | 31.20 | 29.20 | 33.31 | 48.93 | 177.41 | 111.42 | 25.28 | 9.86 | 2.93 | 0.27 | 0.44 | 478.21 | MCM |

Momentary Peak 175.00 CMS. at 289.16 m. (MSL.) at 06.00 Hours , on Sep 13, 2006

Runoff Yield 8.63 Liters/Second/Square KM. Momentary Peak Yield 99.54 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Sop Soi , Chiang Mai (P.73)

Lat 18 - 17 - 25 N Long 98 - 39 - 01 E

**Location : on left bank at Sop Soi Phatana Bridge.**

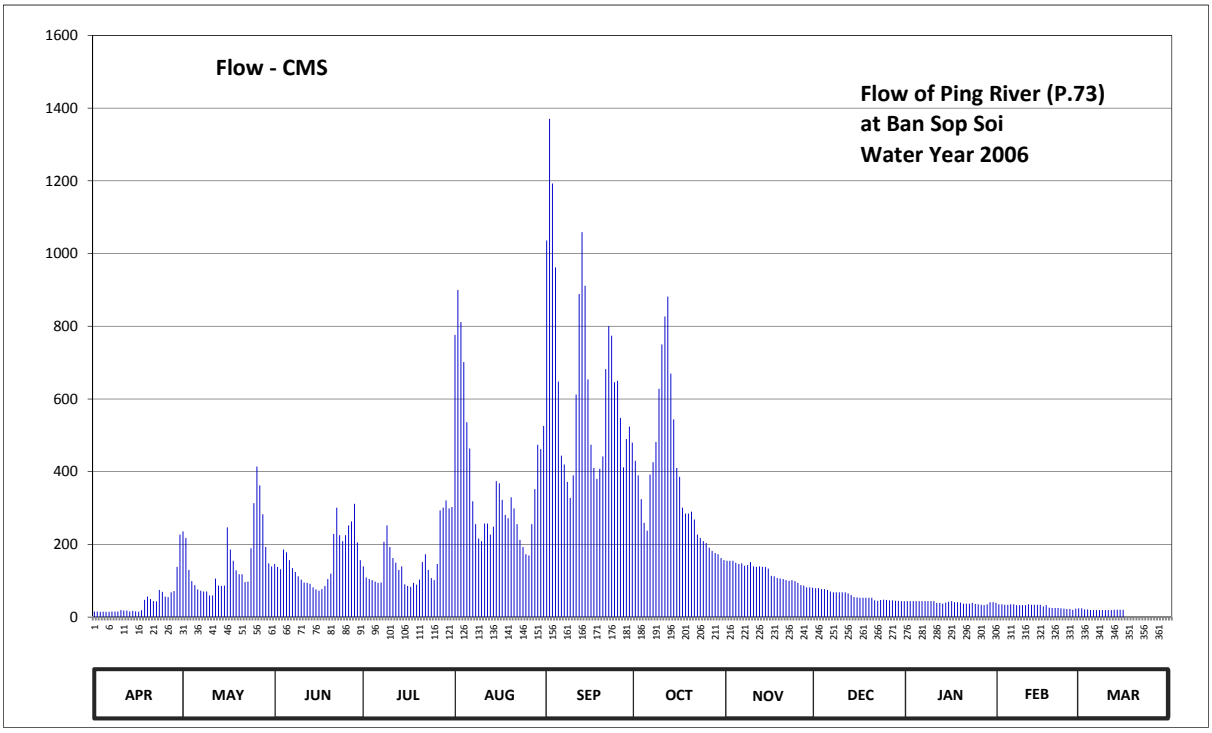
**Ban** Sop Soi **Amphoe** Chom Thong **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 14,814 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +261.750 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 15 meters from the abutment of the bridge. **Elevation** +267.505 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1998 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +267.720 m.(MSL.) and is including overbank flow. |
| **General Description** | Records fair. No gage height in the drought period.<br>Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 261.55 | 263.00 | 262.50 | 262.46 | 265.72 | 266.86 | 264.03 | 262.55 | 262.03 | 261.70 | 261.61 | 261.49 | |
| 2 | 261.55 | 262.90 | 262.45 | 262.26 | 266.27 | 268.26 | 263.83 | 262.55 | 262.03 | 261.70 | 261.61 | 261.45 | |
| 3 | 261.53 | 262.40 | 262.41 | 262.23 | 265.88 | 267.52 | 263.49 | 262.55 | 262.01 | 261.70 | 261.60 | 261.45 | |
| 4 | 261.54 | 262.19 | 262.72 | 262.21 | 265.38 | 266.54 | 263.13 | 262.52 | 262.01 | 261.70 | 261.60 | 261.43 | |
| 5 | 261.53 | 262.10 | 262.68 | 262.18 | 264.56 | 265.12 | 263.01 | 262.50 | 261.99 | 261.70 | 261.61 | 261.43 | |
| 6 | 261.53 | 262.00 | 262.56 | 262.15 | 264.20 | 264.10 | 263.84 | 262.51 | 261.95 | 261.70 | 261.61 | 261.43 | |
| 7 | 261.55 | 261.97 | 262.43 | 262.16 | 263.46 | 263.98 | 264.01 | 262.47 | 261.93 | 261.70 | 261.59 | 261.43 | |
| 8 | 261.55 | 261.95 | 262.36 | 262.84 | 263.11 | 263.74 | 264.29 | 262.48 | 261.93 | 261.70 | 261.59 | 261.43 | |
| 9 | 261.55 | 261.95 | 262.28 | 263.09 | 262.89 | 263.51 | 265.02 | 262.53 | 261.93 | 261.70 | 261.59 | 261.43 | |
| 10 | 261.63 | 261.85 | 262.22 | 262.76 | 262.85 | 263.83 | 265.60 | 262.46 | 261.93 | 261.70 | 261.59 | 261.43 | |
| 11 | 261.60 | 261.85 | 262.16 | 262.59 | 263.12 | 264.94 | 265.95 | 262.45 | 261.93 | 261.65 | 261.61 | 261.43 | |
| 12 | 261.60 | 262.24 | 262.15 | 262.52 | 263.12 | 266.22 | 266.19 | 262.46 | 261.90 | 261.65 | 261.60 | 261.44 | |
| 13 | 261.55 | 262.09 | 262.13 | 262.40 | 262.95 | 266.96 | 265.23 | 262.45 | 261.86 | 261.63 | 261.60 | 261.44 | |
| 14 | 261.57 | 262.08 | 262.05 | 262.46 | 263.07 | 266.32 | 264.60 | 262.45 | 261.81 | 261.66 | 261.60 | 261.44 | |
| 15 | 261.56 | 262.09 | 262.00 | 262.12 | 263.75 | 265.15 | 263.93 | 262.42 | 261.80 | 261.68 | 261.60 | 261.44 | |
| 16 | 261.54 | 263.06 | 261.97 | 262.08 | 263.72 | 264.25 | 263.81 | 262.29 | 261.79 | 261.70 | 261.55 | 261.42 | |
| 17 | 261.62 | 262.72 | 262.01 | 262.06 | 263.48 | 263.93 | 263.36 | 262.28 | 261.79 | 261.67 | 261.59 | 261.42 | |
| 18 | 262.10 | 262.55 | 262.08 | 262.15 | 263.25 | 263.78 | 263.27 | 262.25 | 261.79 | 261.67 | 261.51 | 261.41 | |
| 19 | 262.22 | 262.39 | 262.23 | 262.11 | 263.20 | 263.92 | 263.27 | 262.24 | 261.79 | 261.66 | 261.50 | 261.41 | |
| 20 | 262.13 | 262.32 | 262.33 | 262.22 | 263.52 | 264.09 | 263.30 | 262.23 | 261.79 | 261.63 | 261.50 | 261.40 | |
| 21 | 262.05 | 262.32 | 262.96 | 262.53 | 263.35 | 265.29 | 263.18 | 262.21 | 261.72 | 261.63 | 261.50 | 261.38 | |
| 22 | 262.04 | 262.17 | 263.36 | 262.65 | 263.11 | 265.83 | 262.95 | 262.20 | 261.71 | 261.63 | 261.49 | 261.38 | |
| 23 | 261.99 | 262.18 | 262.94 | 262.40 | 262.87 | 265.71 | 262.90 | 262.21 | 261.73 | 261.65 | 261.48 | 261.35 | |
| 24 | 261.94 | 262.74 | 262.85 | 262.25 | 262.76 | 265.11 | 262.85 | 262.19 | 261.74 | 261.62 | 261.47 | 261.34 | |
| 25 | 261.82 | 263.43 | 262.94 | 262.21 | 262.65 | 265.13 | 262.82 | 262.15 | 261.73 | 261.61 | 261.47 | 261.29 | |
| 26 | 261.81 | 263.95 | 263.09 | 262.50 | 262.63 | 264.62 | 262.75 | 262.10 | 261.72 | 261.60 | 261.44 | 261.24 | |
| 27 | 261.93 | 263.69 | 263.15 | 263.32 | 263.11 | 263.94 | 262.70 | 262.09 | 261.72 | 261.59 | 261.48 | 261.20 | |
| 28 | 261.96 | 263.26 | 263.42 | 263.36 | 263.64 | 264.33 | 262.67 | 262.05 | 261.71 | 261.61 | 261.49 | 261.18 | |
| 29 | 262.45 | 262.76 | 262.83 | 263.47 | 264.25 | 264.50 | 262.65 | 262.05 | 261.71 | 261.67 | | 261.17 | |
| 30 | 262.95 | 262.51 | 262.56 | 263.35 | 264.19 | 264.28 | 262.59 | 262.04 | 261.70 | 261.67 | | 261.17 | |
| 31 | | 262.46 | | 263.37 | 264.51 | | 262.56 | | 261.70 | 261.65 | | 261.17 | |
| Mean | 261.80 | 262.49 | 262.53 | 262.53 | 263.70 | 265.06 | 263.67 | 262.33 | 261.83 | 261.66 | 261.55 | 261.37 | |
| Max | 262.95 | 263.95 | 263.42 | 263.47 | 266.27 | 268.26 | 266.19 | 262.55 | 262.03 | 261.70 | 261.61 | 261.49 | 268.26 |
| Min | 261.53 | 261.85 | 261.97 | 262.06 | 262.63 | 263.51 | 262.56 | 262.04 | 261.70 | 261.59 | 261.44 | 261.17 | 261.17 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 268.29 | m. (MSL.) , | at 18.00 Hours , on Sep 2, 2006 | | |
| Zero Gage at Bottom Elevation | 261.75 | m. (MSL.) , | River Bed | 259.86 | m. (MSL.) |
| Left Bank Elevation | 267.71 | m. (MSL.) , | | | |
| Right Bank Elevation | 268.02 | m. (MSL.) , | Drainage Are | 14,814 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.50 | 236.00 | 146.00 | 139.60 | 776.40 | 1035.80 | 430.00 | 155.00 | 79.60 | 44.00 | 35.00 | 24.20 | | |
| 2 | 15.50 | 218.00 | 138.00 | 109.00 | 900.10 | 1370.40 | 390.00 | 155.00 | 79.60 | 44.00 | 35.00 | 21.00 | | |
| 3 | 14.50 | 130.00 | 131.60 | 104.50 | 811.60 | 1192.80 | 324.20 | 155.00 | 77.20 | 44.00 | 34.00 | 21.00 | | |
| 4 | 15.00 | 98.80 | 185.60 | 101.50 | 701.60 | 962.20 | 259.40 | 149.60 | 77.20 | 44.00 | 34.00 | 19.40 | | |
| 5 | 14.50 | 88.00 | 178.40 | 97.60 | 536.00 | 648.00 | 237.80 | 146.00 | 74.90 | 44.00 | 35.00 | 19.40 | | |
| 6 | 14.50 | 76.00 | 156.80 | 94.00 | 464.00 | 444.00 | 392.00 | 147.80 | 70.50 | 44.00 | 35.00 | 19.40 | | |
| 7 | 15.50 | 72.70 | 134.80 | 95.20 | 318.80 | 420.00 | 426.00 | 141.20 | 68.30 | 44.00 | 33.10 | 19.40 | | |
| 8 | 15.50 | 70.50 | 124.00 | 207.20 | 255.80 | 372.00 | 482.00 | 142.80 | 68.30 | 44.00 | 33.10 | 19.40 | | |
| 9 | 15.50 | 70.50 | 112.00 | 252.20 | 216.20 | 327.80 | 628.00 | 151.40 | 68.30 | 44.00 | 33.10 | 19.40 | | |
| 10 | 19.50 | 59.50 | 103.00 | 192.80 | 209.00 | 390.00 | 750.00 | 139.60 | 68.30 | 44.00 | 33.10 | 19.40 | | |
| 11 | 18.00 | 59.50 | 95.20 | 162.20 | 257.60 | 612.00 | 827.00 | 138.00 | 68.30 | 39.00 | 35.00 | 19.40 | | |
| 12 | 18.00 | 106.00 | 94.00 | 149.60 | 257.60 | 888.60 | 881.70 | 139.60 | 65.00 | 39.00 | 34.00 | 20.20 | | |
| 13 | 15.50 | 86.80 | 91.60 | 130.00 | 227.00 | 1058.80 | 670.00 | 138.00 | 60.60 | 37.00 | 34.00 | 20.20 | | |
| 14 | 16.50 | 85.60 | 82.00 | 139.60 | 248.60 | 911.60 | 544.00 | 138.00 | 55.10 | 40.00 | 34.00 | 20.20 | | |
| 15 | 16.00 | 86.80 | 76.00 | 90.40 | 374.00 | 654.00 | 410.00 | 133.20 | 54.00 | 42.00 | 34.00 | 20.20 | | |
| 16 | 15.00 | 246.80 | 72.70 | 85.60 | 368.00 | 474.00 | 386.00 | 113.50 | 53.00 | 44.00 | 29.50 | 0.00 | | |
| 17 | 19.00 | 185.60 | 77.20 | 83.20 | 322.40 | 410.00 | 300.80 | 112.00 | 53.00 | 41.00 | 33.10 | 0.00 | | |
| 18 | 47.50 | 155.00 | 85.60 | 94.00 | 281.00 | 380.00 | 284.60 | 107.50 | 53.00 | 41.00 | 25.90 | 0.00 | | |
| 19 | 56.50 | 128.50 | 104.50 | 89.20 | 272.00 | 408.00 | 284.60 | 106.00 | 53.00 | 40.00 | 25.00 | 0.00 | | |
| 20 | 49.75 | 118.00 | 119.50 | 103.00 | 329.60 | 442.00 | 290.00 | 104.50 | 53.00 | 37.00 | 25.00 | 0.00 | | |
| 21 | 44.00 | 118.00 | 228.80 | 151.40 | 299.00 | 682.00 | 268.40 | 101.50 | 46.00 | 37.00 | 25.00 | 0.00 | | |
| 22 | 43.30 | 96.40 | 300.80 | 173.00 | 255.80 | 800.60 | 227.00 | 100.00 | 45.00 | 37.00 | 24.20 | 0.00 | | |
| 23 | 74.90 | 97.60 | 225.20 | 130.00 | 212.60 | 774.20 | 218.00 | 101.50 | 47.00 | 39.00 | 23.40 | 0.00 | | |
| 24 | 69.40 | 189.20 | 209.00 | 107.50 | 192.80 | 646.00 | 209.00 | 98.80 | 48.00 | 36.00 | 22.60 | 0.00 | | |
| 25 | 56.20 | 313.40 | 225.20 | 101.50 | 173.00 | 650.00 | 203.60 | 94.00 | 47.00 | 35.00 | 22.60 | 0.00 | | |
| 26 | 55.10 | 414.00 | 252.20 | 146.00 | 169.40 | 548.00 | 191.00 | 88.00 | 46.00 | 34.00 | 20.20 | 0.00 | | |
| 27 | 68.30 | 362.00 | 263.00 | 293.60 | 255.80 | 412.00 | 182.00 | 86.80 | 46.00 | 33.10 | 23.40 | 0.00 | | |
| 28 | 71.60 | 282.80 | 311.60 | 300.80 | 352.00 | 490.00 | 176.60 | 82.00 | 45.00 | 35.00 | 24.20 | 0.00 | | |
| 29 | 138.00 | 192.80 | 205.40 | 320.60 | 474.00 | 524.00 | 173.00 | 82.00 | 45.00 | 41.00 | | 0.00 | | |
| 30 | 227.00 | 147.80 | 156.80 | 299.00 | 462.00 | 480.00 | 162.20 | 80.80 | 44.00 | 41.00 | | 0.00 | | |
| 31 | | 139.60 | | 302.60 | 526.00 | | 156.80 | | 44.00 | 39.00 | | 0.00 | | |
| Total | 1275.05 | 4732.20 | 4686.50 | 4846.40 | 11499.70 | 19408.80 | 11365.70 | 3629.10 | 1803.20 | 1247.10 | 835.50 | 302.20 | 65631.45 | CMSDAY |
| Mean | 42.50 | 152.65 | 156.22 | 156.34 | 370.96 | 646.96 | 366.64 | 120.97 | 58.17 | 40.23 | 29.84 | 9.75 | 179.81 | CMS |
| Max | 227.00 | 414.00 | 311.60 | 320.60 | 900.10 | 1370.40 | 881.70 | 155.00 | 79.60 | 44.00 | 35.00 | 24.20 | 1370.40 | CMS |
| Min | 14.50 | 59.50 | 72.70 | 83.20 | 169.40 | 327.80 | 156.80 | 80.80 | 44.00 | 33.10 | 20.20 | 0.00 | 0.00 | CMS |
| Runoff | 110.16 | 408.86 | 404.91 | 418.73 | 993.57 | 1676.92 | 982.00 | 313.55 | 155.80 | 107.75 | 72.19 | 26.11 | 5670.56 | MCM |

Momentary Peak 1377.60 CMS. at 268.29 m. (MSL.) at 18.00 Hours , on Sep 2, 2006

Runoff Yield 12.14 Liters/Second/Square KM. Momentary Peak Yield 92.99 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Cho Lae , Chiang Mai (P.75)

Lat 19 - 08 - 58 N Long 99 - 00 - 43 E

**Location : on left bank at the bridge on road.**

**Ban** Cho Lae **Amphoe** Mae Teang **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 3,088 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +337.600 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 3 meters from the top staff gage. **Elevation** +341.805 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1998 to date |
| **Rating Operation** | |
| **Period of Rating** | 1998 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair.This station is situated about 3 kilometers downstream from Mae Ngat Dam. Stage-discharge relation defined by 34 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

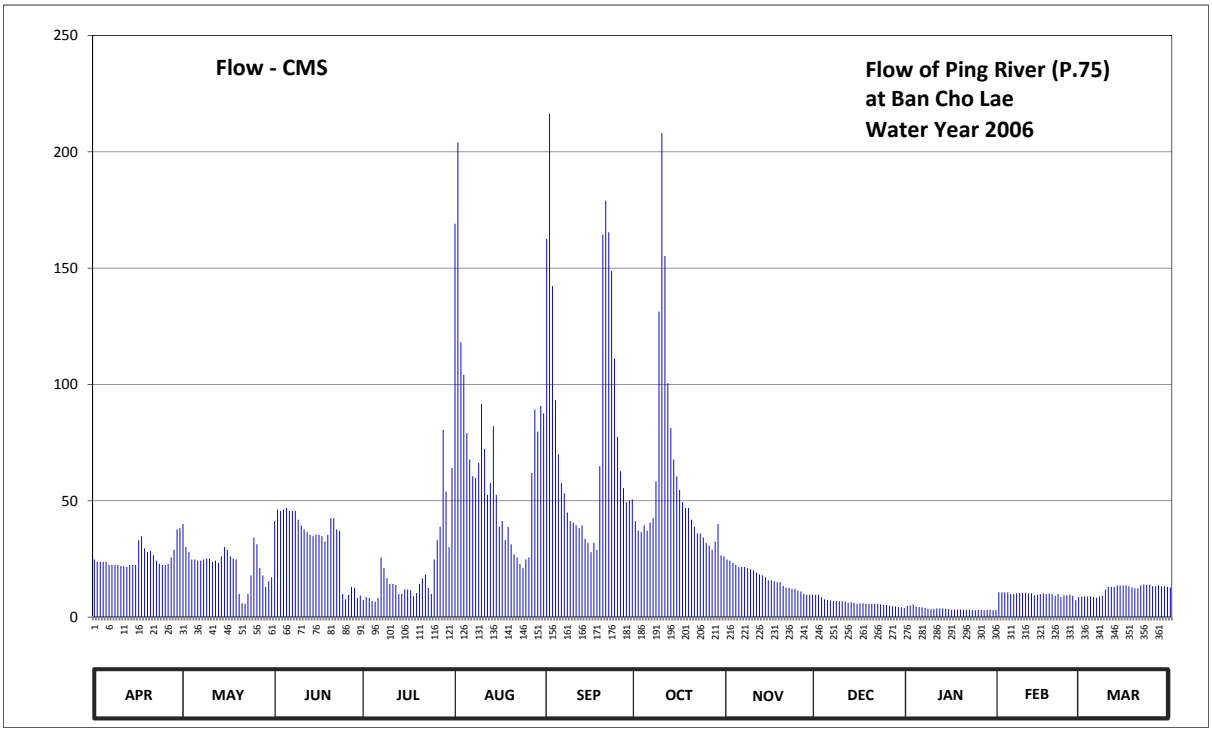
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 338.92 | 339.20 | 339.22 | 338.49 | 340.79 | 340.72 | 339.22 | 338.92 | 338.56 | 338.37 | 338.38 | 338.31 | |
| 2 | 338.90 | 339.03 | 339.30 | 338.53 | 341.14 | 341.26 | 339.15 | 338.91 | 338.56 | 338.38 | 338.38 | 338.31 | |
| 3 | 338.90 | 338.99 | 339.29 | 338.52 | 340.23 | 340.50 | 339.14 | 338.89 | 338.53 | 338.41 | 338.38 | 338.31 | |
| 4 | 338.90 | 338.92 | 339.30 | 338.47 | 340.07 | 339.94 | 339.19 | 338.87 | 338.50 | 338.35 | 338.38 | 338.31 | |
| 5 | 338.90 | 338.92 | 339.31 | 338.46 | 339.76 | 339.64 | 339.15 | 338.85 | 338.49 | 338.34 | 338.35 | 338.30 | |
| 6 | 338.87 | 338.91 | 339.29 | 338.52 | 339.61 | 339.47 | 339.21 | 338.85 | 338.48 | 338.33 | 338.35 | 338.29 | |
| 7 | 338.87 | 338.91 | 339.29 | 338.94 | 339.51 | 339.41 | 339.24 | 338.85 | 338.47 | 338.31 | 338.36 | 338.31 | |
| 8 | 338.87 | 338.92 | 339.29 | 338.84 | 339.50 | 339.28 | 339.48 | 338.84 | 338.47 | 338.28 | 338.37 | 338.32 | |
| 9 | 338.87 | 338.93 | 339.23 | 338.74 | 339.59 | 339.22 | 340.38 | 338.83 | 338.47 | 338.26 | 338.37 | 338.42 | |
| 10 | 338.86 | 338.93 | 339.19 | 338.68 | 339.92 | 339.21 | 341.18 | 338.82 | 338.47 | 338.27 | 338.37 | 338.46 | |
| 11 | 338.86 | 338.90 | 339.16 | 338.68 | 339.67 | 339.19 | 340.64 | 338.80 | 338.46 | 338.29 | 338.36 | 338.46 | |
| 12 | 338.85 | 338.91 | 339.14 | 338.67 | 339.40 | 339.17 | 340.03 | 338.78 | 338.44 | 338.29 | 338.36 | 338.46 | |
| 13 | 338.87 | 338.89 | 339.12 | 338.57 | 339.47 | 339.19 | 339.79 | 338.77 | 338.45 | 338.29 | 338.33 | 338.48 | |
| 14 | 338.87 | 338.95 | 339.11 | 338.57 | 339.80 | 339.09 | 339.61 | 338.75 | 338.44 | 338.28 | 338.34 | 338.48 | |
| 15 | 338.87 | 339.03 | 339.12 | 338.62 | 339.40 | 339.06 | 339.51 | 338.72 | 338.42 | 338.26 | 338.35 | 338.48 | |
| 16 | 339.08 | 339.01 | 339.12 | 338.62 | 339.18 | 338.99 | 339.43 | 338.72 | 338.43 | 338.23 | 338.36 | 338.48 | |
| 17 | 339.11 | 338.95 | 339.11 | 338.61 | 339.22 | 339.06 | 339.35 | 338.71 | 338.43 | 338.25 | 338.35 | 338.47 | |
| 18 | 339.02 | 338.93 | 339.07 | 338.54 | 339.08 | 339.01 | 339.31 | 338.70 | 338.42 | 338.25 | 338.36 | 338.45 | |
| 19 | 338.99 | 338.92 | 339.12 | 338.58 | 339.18 | 339.57 | 339.31 | 338.70 | 338.42 | 338.25 | 338.35 | 338.44 | |
| 20 | 339.00 | 338.57 | 339.24 | 338.68 | 339.05 | 340.74 | 339.23 | 338.66 | 338.42 | 338.24 | 338.32 | 338.44 | |
| 21 | 338.96 | 338.43 | 339.24 | 338.74 | 338.97 | 340.89 | 339.18 | 338.64 | 338.42 | 338.24 | 338.35 | 338.48 | |
| 22 | 338.91 | 338.42 | 339.16 | 338.78 | 338.94 | 340.75 | 339.13 | 338.64 | 338.42 | 338.24 | 338.30 | 338.49 | |
| 23 | 338.88 | 338.57 | 339.15 | 338.64 | 338.88 | 340.57 | 339.13 | 338.63 | 338.41 | 338.23 | 338.33 | 338.49 | |
| 24 | 338.87 | 338.77 | 338.57 | 338.57 | 338.84 | 340.15 | 339.10 | 338.63 | 338.40 | 338.22 | 338.33 | 338.49 | |
| 25 | 338.87 | 339.10 | 338.50 | 338.92 | 338.92 | 339.74 | 339.06 | 338.61 | 338.40 | 338.23 | 338.34 | 338.47 | |
| 26 | 338.88 | 339.05 | 338.56 | 339.08 | 338.94 | 339.54 | 339.04 | 338.60 | 338.37 | 338.23 | 338.32 | 338.47 | |
| 27 | 338.94 | 338.84 | 338.65 | 339.18 | 339.53 | 339.44 | 339.01 | 338.57 | 338.36 | 338.23 | 338.25 | 338.48 | |
| 28 | 339.01 | 338.77 | 338.64 | 339.78 | 339.89 | 339.35 | 339.07 | 338.56 | 338.35 | 338.24 | 338.30 | 338.47 | |
| 29 | 339.16 | 338.65 | 338.52 | 339.42 | 339.77 | 339.36 | 339.20 | 338.56 | 338.34 | 338.25 | | 338.47 | |
| 30 | 339.17 | 338.71 | 338.55 | 339.03 | 339.91 | 339.37 | 338.96 | 338.56 | 338.33 | 338.23 | | 338.46 | |
| 31 | | 338.75 | | 339.56 | 339.87 | | 338.95 | | 338.31 | 338.23 | | 338.45 | |
| Mean | 338.93 | 338.86 | 339.05 | 338.78 | 339.55 | 339.70 | 339.40 | 338.73 | 338.43 | 338.27 | 338.35 | 338.43 | |
| Max | 339.17 | 339.20 | 339.31 | 339.78 | 341.14 | 341.26 | 341.18 | 338.92 | 338.56 | 338.41 | 338.38 | 338.49 | 341.26 |
| Min | 338.85 | 338.42 | 338.50 | 338.46 | 338.84 | 338.99 | 338.95 | 338.56 | 338.31 | 338.22 | 338.25 | 338.29 | 338.22 |

Annual Max Momentary Gage Height 341.50 m. (MSL.) , at 06.00 Hours , on Oct 10, 2006

Zero Gage at Bottom Elevation 337.60 m. (MSL.) , River Bed 337.60 m. (MSL.)

Left Bank Elevation 345.11 m. (MSL.) ,

Right Bank Elevation 345.11 m. (MSL.) , Drainage Are 3,088 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24.72 | 40.00 | 41.25 | 7.36 | 169.08 | 162.60 | 41.25 | 24.72 | 9.64 | 4.78 | 10.68 | 8.86 | | |
| 2 | 23.80 | 30.14 | 46.25 | 8.62 | 204.00 | 216.30 | 37.10 | 24.26 | 9.64 | 4.92 | 10.68 | 8.86 | | |
| 3 | 23.80 | 27.94 | 45.63 | 8.28 | 118.13 | 142.25 | 36.52 | 23.34 | 8.62 | 5.44 | 10.68 | 8.86 | | |
| 4 | 23.80 | 24.72 | 46.25 | 6.88 | 104.13 | 93.20 | 39.42 | 22.42 | 7.60 | 4.50 | 10.68 | 8.86 | | |
| 5 | 23.80 | 24.72 | 46.88 | 6.64 | 79.00 | 70.00 | 37.10 | 21.50 | 7.36 | 4.36 | 9.90 | 8.60 | | |
| 6 | 22.42 | 24.26 | 45.63 | 8.28 | 67.75 | 57.58 | 40.62 | 21.50 | 7.12 | 4.22 | 9.90 | 8.34 | | |
| 7 | 22.42 | 24.26 | 45.63 | 25.64 | 60.48 | 53.23 | 42.50 | 21.50 | 6.88 | 3.94 | 10.16 | 8.86 | | |
| 8 | 22.42 | 24.72 | 45.63 | 21.04 | 59.75 | 45.00 | 58.30 | 21.04 | 6.88 | 3.58 | 10.42 | 9.12 | | |
| 9 | 22.42 | 25.18 | 41.87 | 16.68 | 66.28 | 41.25 | 131.25 | 20.58 | 6.88 | 3.36 | 10.42 | 11.80 | | |
| 10 | 21.96 | 25.18 | 39.42 | 14.20 | 91.60 | 40.62 | 208.00 | 20.12 | 6.88 | 3.47 | 10.42 | 13.00 | | |
| 11 | 21.96 | 23.80 | 37.68 | 14.20 | 72.25 | 39.42 | 155.20 | 19.20 | 6.64 | 3.69 | 10.16 | 13.00 | | |
| 12 | 21.50 | 24.26 | 36.52 | 13.80 | 52.50 | 38.26 | 100.63 | 18.36 | 6.16 | 3.69 | 10.16 | 13.00 | | |
| 13 | 22.42 | 23.34 | 35.36 | 9.98 | 57.58 | 39.42 | 81.25 | 17.94 | 6.40 | 3.69 | 9.38 | 13.60 | | |
| 14 | 22.42 | 26.10 | 34.78 | 9.98 | 82.00 | 33.62 | 67.75 | 17.10 | 6.16 | 3.58 | 9.64 | 13.60 | | |
| 15 | 22.42 | 30.14 | 35.36 | 11.80 | 52.50 | 31.88 | 60.48 | 15.84 | 5.68 | 3.36 | 9.90 | 13.60 | | |
| 16 | 33.04 | 28.98 | 35.36 | 11.80 | 38.84 | 27.94 | 54.68 | 15.84 | 5.92 | 3.03 | 10.16 | 13.60 | | |
| 17 | 34.78 | 26.10 | 34.78 | 11.40 | 41.25 | 31.88 | 49.38 | 15.42 | 5.92 | 3.25 | 9.90 | 13.30 | | |
| 18 | 29.56 | 25.18 | 32.46 | 8.96 | 33.04 | 28.98 | 46.88 | 15.00 | 5.68 | 3.25 | 10.16 | 12.70 | | |
| 19 | 27.94 | 24.72 | 35.36 | 10.32 | 38.84 | 64.83 | 46.88 | 15.00 | 5.68 | 3.25 | 9.90 | 12.40 | | |
| 20 | 28.40 | 9.98 | 42.50 | 14.20 | 31.30 | 164.45 | 41.87 | 13.40 | 5.68 | 3.14 | 9.12 | 12.40 | | |
| 21 | 26.56 | 5.92 | 42.50 | 16.68 | 27.02 | 179.00 | 38.84 | 12.60 | 5.68 | 3.14 | 9.90 | 13.60 | | |
| 22 | 24.26 | 5.68 | 37.68 | 18.36 | 25.64 | 165.38 | 35.94 | 12.60 | 5.68 | 3.14 | 8.60 | 13.90 | | |
| 23 | 22.88 | 9.98 | 37.10 | 12.60 | 22.88 | 148.73 | 35.94 | 12.20 | 5.44 | 3.03 | 9.38 | 13.90 | | |
| 24 | 22.42 | 17.94 | 9.98 | 9.98 | 21.04 | 111.13 | 34.20 | 12.20 | 5.20 | 2.92 | 9.38 | 13.90 | | |
| 25 | 22.42 | 34.20 | 7.60 | 24.72 | 24.72 | 77.50 | 31.88 | 11.40 | 5.20 | 3.03 | 9.64 | 13.30 | | |
| 26 | 22.88 | 31.30 | 9.64 | 33.04 | 25.64 | 62.65 | 30.72 | 11.00 | 4.78 | 3.03 | 9.12 | 13.30 | | |
| 27 | 25.64 | 21.04 | 13.00 | 38.84 | 61.93 | 55.40 | 28.98 | 9.98 | 4.64 | 3.03 | 7.30 | 13.60 | | |
| 28 | 28.98 | 17.94 | 12.60 | 80.50 | 89.20 | 49.38 | 32.46 | 9.64 | 4.50 | 3.14 | 8.60 | 13.30 | | |
| 29 | 37.68 | 13.00 | 8.28 | 53.95 | 79.75 | 50.00 | 40.00 | 9.64 | 4.36 | 3.25 | | 13.30 | | |
| 30 | 38.26 | 15.42 | 9.30 | 30.14 | 90.80 | 50.63 | 26.56 | 9.64 | 4.22 | 3.03 | | 13.00 | | |
| 31 | | 17.10 | | 64.10 | 87.60 | | 26.10 | | 3.94 | 3.03 | | 12.70 | | |
| Total | 767.98 | 703.24 | 992.28 | 622.97 | 2076.52 | 2372.51 | 1738.68 | 494.98 | 191.06 | 110.27 | 274.34 | 374.16 | 10718.99 | CMSDAY |
| Mean | 25.60 | 22.69 | 33.08 | 20.10 | 66.98 | 79.08 | 56.09 | 16.50 | 6.16 | 3.56 | 9.80 | 12.07 | 29.37 | CMS |
| Max | 38.26 | 40.00 | 46.88 | 80.50 | 204.00 | 216.30 | 208.00 | 24.72 | 9.64 | 5.44 | 10.68 | 13.90 | 216.30 | CMS |
| Min | 21.50 | 5.68 | 7.60 | 6.64 | 21.04 | 27.94 | 26.10 | 9.64 | 3.94 | 2.92 | 7.30 | 8.34 | 2.92 | CMS |
| Runoff | 66.35 | 60.76 | 85.73 | 53.82 | 179.41 | 204.98 | 150.22 | 42.77 | 16.51 | 9.53 | 23.70 | 32.33 | 926.12 | MCM |

Momentary Peak 241.50 CMS. at 341.50 m. (MSL.) at 06.00 Hours , on Oct 10, 2006

Runoff Yield 9.51 Liters/Second/Square KM. Momentary Peak Yield 78.21 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Li at Ban Mae E - Hai , Lamphun (P.76)

Lat 18 - 08 - 23 N Long 98 - 53 - 58 E

**Location : on left bank near the bridge of Li - Ban Mae E - Hai road.**

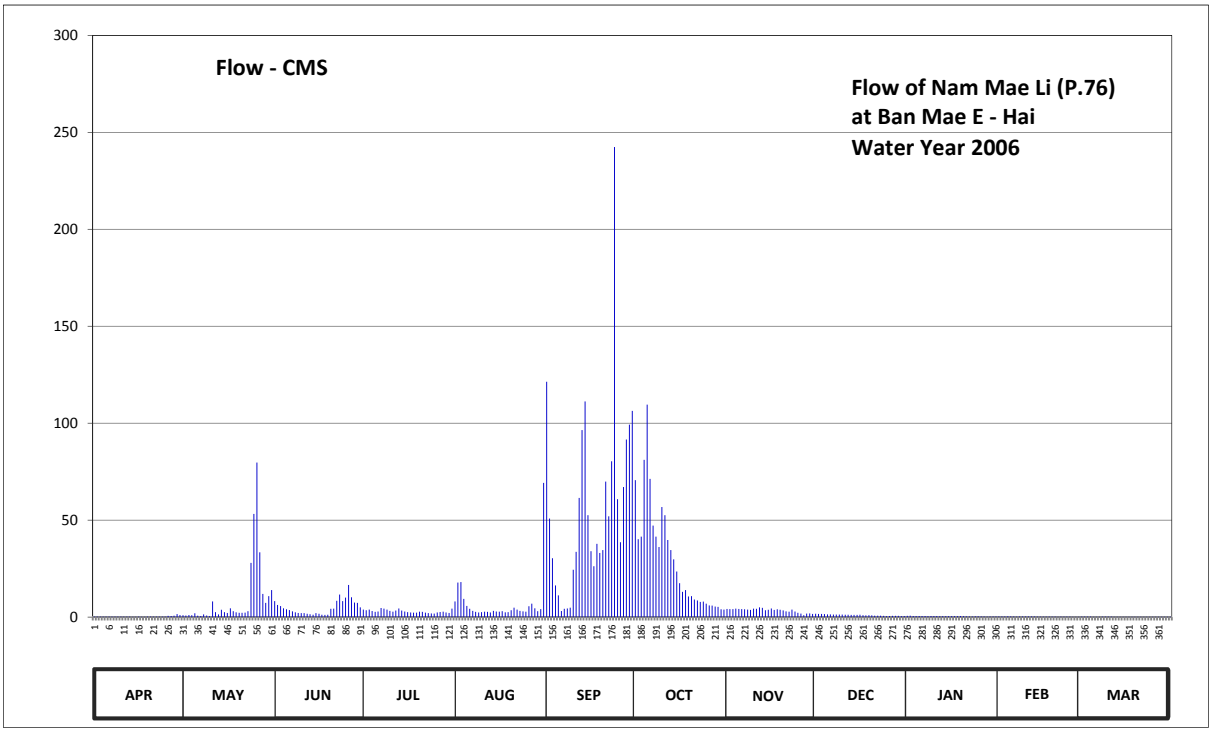
**Ban** Mae E - Hai **Amphoe** Li **Changwat** Lamphun

| | |
|---|---|
| **Drainge Area** | 1,544 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +363.617 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 15 meters from the top staff gage. **Elevation** +370.937 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1999 to date |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 64 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 364.25 | 364.46 | 365.25 | 364.89 | 365.24 | 367.56 | 366.88 | 364.92 | 364.60 | 364.40 | 364.29 | 364.23 | |
| 2 | 364.25 | 364.43 | 365.12 | 364.85 | 365.66 | 366.58 | 366.38 | 364.91 | 364.59 | 364.41 | 364.29 | 364.23 | |
| 3 | 364.25 | 364.49 | 365.07 | 364.89 | 365.67 | 366.08 | 366.41 | 364.91 | 364.59 | 364.38 | 364.29 | 364.23 | |
| 4 | 364.25 | 364.46 | 364.96 | 364.81 | 365.32 | 365.61 | 367.03 | 364.94 | 364.58 | 364.38 | 364.31 | 364.23 | |
| 5 | 364.23 | 364.64 | 364.90 | 364.75 | 365.08 | 365.41 | 367.42 | 364.92 | 364.55 | 364.38 | 364.28 | 364.22 | |
| 6 | 364.25 | 364.42 | 364.86 | 364.78 | 364.93 | 364.81 | 366.89 | 364.91 | 364.54 | 364.38 | 364.27 | 364.21 | |
| 7 | 364.25 | 364.37 | 364.79 | 364.97 | 364.82 | 364.93 | 366.52 | 364.90 | 364.53 | 364.37 | 364.26 | 364.20 | |
| 8 | 364.26 | 364.55 | 364.72 | 364.94 | 364.75 | 364.95 | 366.41 | 364.89 | 364.53 | 364.36 | 364.28 | 364.23 | |
| 9 | 364.24 | 364.44 | 364.67 | 364.89 | 364.71 | 364.99 | 366.27 | 364.87 | 364.53 | 364.38 | 364.29 | 364.23 | |
| 10 | 364.25 | 364.36 | 364.66 | 364.82 | 364.73 | 365.88 | 366.68 | 364.94 | 364.53 | 364.38 | 364.29 | 364.24 | |
| 11 | 364.25 | 365.24 | 364.65 | 364.77 | 364.76 | 366.19 | 366.61 | 364.93 | 364.52 | 364.37 | 364.29 | 364.23 | |
| 12 | 364.23 | 364.73 | 364.60 | 364.83 | 364.75 | 366.75 | 366.37 | 365.01 | 364.51 | 364.35 | 364.29 | 364.22 | |
| 13 | 364.24 | 364.55 | 364.56 | 364.95 | 364.70 | 367.25 | 366.22 | 364.98 | 364.50 | 364.34 | 364.28 | 364.20 | |
| 14 | 364.22 | 364.88 | 364.51 | 364.83 | 364.82 | 367.44 | 366.06 | 364.85 | 364.50 | 364.35 | 364.26 | 364.20 | |
| 15 | 364.22 | 364.73 | 364.65 | 364.78 | 364.78 | 366.61 | 365.85 | 364.88 | 364.50 | 364.36 | 364.25 | 364.20 | |
| 16 | 364.23 | 364.67 | 364.60 | 364.73 | 364.76 | 366.20 | 365.65 | 364.95 | 364.51 | 364.34 | 364.25 | 364.22 | |
| 17 | 364.22 | 364.96 | 364.52 | 364.70 | 364.80 | 365.94 | 365.50 | 364.87 | 364.47 | 364.35 | 364.25 | 364.21 | |
| 18 | 364.22 | 364.80 | 364.50 | 364.69 | 364.72 | 366.32 | 365.53 | 364.90 | 364.45 | 364.35 | 364.25 | 364.20 | |
| 19 | 364.23 | 364.72 | 364.52 | 364.69 | 364.73 | 366.17 | 365.38 | 364.88 | 364.46 | 364.37 | 364.25 | 364.20 | |
| 20 | 364.26 | 364.68 | 364.93 | 364.77 | 364.85 | 366.22 | 365.39 | 364.84 | 364.45 | 364.36 | 364.24 | 364.20 | |
| 21 | 364.23 | 364.68 | 364.94 | 364.75 | 364.99 | 366.87 | 365.30 | 364.79 | 364.41 | 364.32 | 364.22 | 364.21 | |
| 22 | 364.24 | 364.69 | 365.26 | 364.69 | 364.89 | 366.60 | 365.27 | 364.77 | 364.41 | 364.30 | 364.25 | 364.21 | |
| 23 | 364.24 | 364.80 | 365.43 | 364.66 | 364.82 | 367.02 | 365.22 | 364.89 | 364.42 | 364.29 | 364.26 | 364.20 | |
| 24 | 364.25 | 366.00 | 365.25 | 364.63 | 364.79 | 368.54 | 365.23 | 364.78 | 364.40 | 364.31 | 364.26 | 364.21 | |
| 25 | 364.26 | 366.62 | 365.35 | 364.61 | 364.77 | 366.74 | 365.16 | 364.68 | 364.34 | 364.32 | 364.24 | 364.22 | |
| 26 | 364.39 | 367.01 | 365.62 | 364.70 | 365.06 | 366.34 | 365.10 | 364.62 | 364.37 | 364.30 | 364.22 | 364.19 | |
| 27 | 364.38 | 366.18 | 365.36 | 364.74 | 365.16 | 366.83 | 365.09 | 364.47 | 364.39 | 364.27 | 364.19 | 364.18 | |
| 28 | 364.42 | 365.45 | 365.20 | 364.76 | 364.96 | 367.18 | 365.05 | 364.62 | 364.39 | 364.25 | 364.19 | 364.18 | |
| 29 | 364.57 | 365.19 | 365.19 | 364.70 | 364.80 | 367.29 | 365.03 | 364.63 | 364.39 | 364.29 | | 364.20 | |
| 30 | 364.49 | 365.39 | 365.01 | 364.67 | 364.91 | 367.38 | 364.90 | 364.59 | 364.35 | 364.28 | | 364.21 | |
| 31 | | 365.53 | | 364.94 | 366.86 | | 364.89 | | 364.37 | 364.28 | | 364.21 | |
| Mean | 364.28 | 364.97 | 364.92 | 364.78 | 364.99 | 366.42 | 365.86 | 364.83 | 364.47 | 364.34 | 364.26 | 364.21 | |
| Max | 364.57 | 367.01 | 365.62 | 364.97 | 366.86 | 368.54 | 367.42 | 365.01 | 364.60 | 364.41 | 364.31 | 364.24 | 368.54 |
| Min | 364.22 | 364.36 | 364.50 | 364.61 | 364.70 | 364.81 | 364.89 | 364.47 | 364.34 | 364.25 | 364.19 | 364.18 | 364.18 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 369.30 | m. (MSL.) , | at 10.00 Hours , on Sep 24, 2006 | | |
| Zero Gage at Bottom Elevation | 363.62 | m. (MSL.) , | River Bed | 363.49 | m. (MSL.) |
| Left Bank Elevation | 371.48 | m. (MSL.) , | | | |
| Right Bank Elevation | 371.46 | m. (MSL.) , | Drainage Are | 1,544 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.25 | 0.95 | 8.28 | 3.91 | 8.12 | 121.40 | 70.60 | 4.19 | 1.70 | 0.65 | 0.33 | 0.21 | | |
| 2 | 0.25 | 0.80 | 6.30 | 3.53 | 17.80 | 50.80 | 40.20 | 4.10 | 1.65 | 0.70 | 0.33 | 0.21 | | |
| 3 | 0.25 | 1.10 | 5.69 | 3.91 | 18.10 | 30.40 | 41.50 | 4.10 | 1.65 | 0.59 | 0.33 | 0.21 | | |
| 4 | 0.25 | 0.95 | 4.57 | 3.15 | 9.44 | 16.30 | 81.10 | 4.38 | 1.59 | 0.59 | 0.38 | 0.21 | | |
| 5 | 0.21 | 1.96 | 4.00 | 2.70 | 5.79 | 11.20 | 109.60 | 4.19 | 1.43 | 0.59 | 0.31 | 0.19 | | |
| 6 | 0.25 | 0.75 | 3.62 | 2.91 | 4.29 | 3.15 | 71.30 | 4.10 | 1.37 | 0.59 | 0.29 | 0.17 | | |
| 7 | 0.25 | 0.56 | 2.98 | 4.67 | 3.24 | 4.29 | 47.20 | 4.00 | 1.32 | 0.56 | 0.27 | 0.15 | | |
| 8 | 0.27 | 1.43 | 2.49 | 4.38 | 2.70 | 4.48 | 41.50 | 3.91 | 1.32 | 0.53 | 0.31 | 0.21 | | |
| 9 | 0.23 | 0.85 | 2.16 | 3.91 | 2.42 | 4.86 | 36.10 | 3.72 | 1.32 | 0.59 | 0.33 | 0.21 | | |
| 10 | 0.25 | 0.53 | 2.09 | 3.24 | 2.56 | 24.40 | 56.80 | 4.38 | 1.32 | 0.59 | 0.33 | 0.23 | | |
| 11 | 0.25 | 8.12 | 2.03 | 2.84 | 2.77 | 33.70 | 52.60 | 4.29 | 1.26 | 0.56 | 0.33 | 0.21 | | |
| 12 | 0.21 | 2.56 | 1.70 | 3.34 | 2.70 | 61.50 | 39.80 | 5.06 | 1.21 | 0.50 | 0.33 | 0.19 | | |
| 13 | 0.23 | 1.43 | 1.48 | 4.48 | 2.35 | 96.50 | 34.60 | 4.76 | 1.15 | 0.47 | 0.31 | 0.15 | | |
| 14 | 0.19 | 3.81 | 1.21 | 3.34 | 3.24 | 111.20 | 29.80 | 3.53 | 1.15 | 0.50 | 0.27 | 0.15 | | |
| 15 | 0.19 | 2.56 | 2.03 | 2.91 | 2.91 | 52.60 | 23.50 | 3.81 | 1.15 | 0.53 | 0.25 | 0.15 | | |
| 16 | 0.21 | 2.16 | 1.70 | 2.56 | 2.77 | 34.00 | 17.50 | 4.48 | 1.21 | 0.47 | 0.25 | 0.19 | | |
| 17 | 0.19 | 4.57 | 1.26 | 2.35 | 3.05 | 26.20 | 13.00 | 3.72 | 1.00 | 0.50 | 0.25 | 0.17 | | |
| 18 | 0.19 | 3.05 | 1.15 | 2.29 | 2.49 | 37.80 | 13.90 | 4.00 | 0.90 | 0.50 | 0.25 | 0.15 | | |
| 19 | 0.21 | 2.49 | 1.26 | 2.29 | 2.56 | 33.10 | 10.61 | 3.81 | 0.95 | 0.56 | 0.25 | 0.15 | | |
| 20 | 0.27 | 2.22 | 4.29 | 2.84 | 3.53 | 34.60 | 10.81 | 3.43 | 0.90 | 0.53 | 0.23 | 0.15 | | |
| 21 | 0.21 | 2.22 | 4.38 | 2.70 | 4.86 | 69.90 | 9.05 | 2.98 | 0.70 | 0.41 | 0.19 | 0.17 | | |
| 22 | 0.23 | 2.29 | 8.43 | 2.29 | 3.91 | 52.00 | 8.59 | 2.84 | 0.70 | 0.35 | 0.25 | 0.17 | | |
| 23 | 0.23 | 3.05 | 11.60 | 2.09 | 3.24 | 80.40 | 7.81 | 3.91 | 0.75 | 0.33 | 0.27 | 0.15 | | |
| 24 | 0.25 | 28.00 | 8.28 | 1.90 | 2.98 | 242.40 | 7.97 | 2.91 | 0.65 | 0.38 | 0.27 | 0.17 | | |
| 25 | 0.27 | 53.20 | 10.03 | 1.77 | 2.84 | 60.80 | 6.90 | 2.22 | 0.47 | 0.41 | 0.23 | 0.19 | | |
| 26 | 0.62 | 79.70 | 16.60 | 2.35 | 5.58 | 38.60 | 6.00 | 1.83 | 0.56 | 0.35 | 0.19 | 0.14 | | |
| 27 | 0.59 | 33.40 | 10.22 | 2.63 | 6.90 | 67.10 | 5.90 | 1.00 | 0.62 | 0.29 | 0.14 | 0.13 | | |
| 28 | 0.75 | 12.00 | 7.50 | 2.77 | 4.57 | 91.60 | 5.48 | 1.83 | 0.62 | 0.25 | 0.14 | 0.13 | | |
| 29 | 1.54 | 7.35 | 7.35 | 2.35 | 3.05 | 99.30 | 5.27 | 1.90 | 0.62 | 0.33 | | 0.15 | | |
| 30 | 1.10 | 10.81 | 5.06 | 2.16 | 4.10 | 106.40 | 4.00 | 1.65 | 0.50 | 0.31 | | 0.17 | | |
| 31 | | 13.90 | | 4.38 | 69.20 | | 3.91 | | 0.56 | 0.31 | | 0.17 | | |
| Total | 10.39 | 288.77 | 149.74 | 92.94 | 214.06 | 1700.98 | 912.90 | 105.03 | 32.30 | 14.82 | 7.61 | 5.40 | 3534.94 | CMSDAY |
| Mean | 0.35 | 9.32 | 4.99 | 3.00 | 6.91 | 56.70 | 29.45 | 3.50 | 1.04 | 0.48 | 0.27 | 0.17 | 9.68 | CMS |
| Max | 1.54 | 79.70 | 16.60 | 4.67 | 69.20 | 242.40 | 109.60 | 5.06 | 1.70 | 0.70 | 0.38 | 0.23 | 242.40 | CMS |
| Min | 0.19 | 0.53 | 1.15 | 1.77 | 2.35 | 3.15 | 3.91 | 1.00 | 0.47 | 0.25 | 0.14 | 0.13 | 0.13 | CMS |
| Runoff | 0.90 | 24.95 | 12.94 | 8.03 | 18.49 | 146.96 | 78.87 | 9.07 | 2.79 | 1.28 | 0.66 | 0.47 | 305.42 | MCM |

Momentary Peak 375.00 CMS. at 369.30 m. (MSL.) at 10.00 Hours , on Sep 24, 2006

Runoff Yield 6.27 Liters/Second/Square KM. Momentary Peak Yield 242.88 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Tha at Ban Sop Mae Sapuad , Lamphun (P.77)

Lat 18 - 25 - 57 N Long 99 - 05 - 02 E

**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Sop Mae Sapuad | **Amphoe** Mae Tha | **Changwat** Lamphun |
| **Drainge Area** | 550 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +364.378 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 20 meters from the top staff gage. | | **Elevation** +369.286 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 37 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

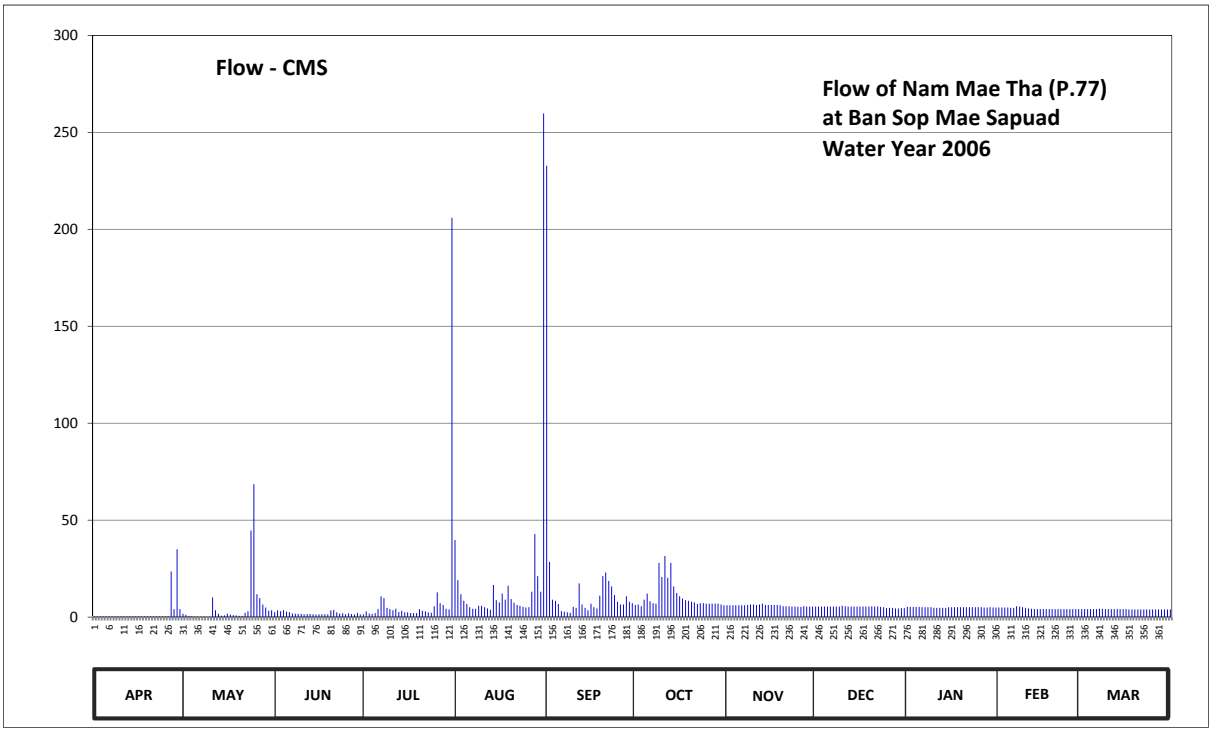
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 365.03 | 365.29 | 365.39 | 365.24 | 366.43 | 368.16 | 365.64 | 365.63 | 365.60 | 365.59 | 365.57 | 365.52 | |
| 2 | 365.03 | 365.19 | 365.47 | 365.43 | 366.03 | 366.23 | 365.65 | 365.63 | 365.60 | 365.59 | 365.57 | 365.52 | |
| 3 | 365.03 | 365.10 | 365.44 | 365.30 | 365.84 | 365.75 | 365.61 | 365.63 | 365.60 | 365.59 | 365.57 | 365.52 | |
| 4 | 365.03 | 365.06 | 365.48 | 365.27 | 365.73 | 365.73 | 365.75 | 365.63 | 365.60 | 365.59 | 365.57 | 365.52 | |
| 5 | 365.03 | 365.02 | 365.42 | 365.33 | 365.66 | 365.66 | 365.85 | 365.63 | 365.60 | 365.59 | 365.56 | 365.52 | |
| 6 | 365.03 | 364.98 | 365.39 | 365.52 | 365.58 | 365.44 | 365.72 | 365.63 | 365.60 | 365.58 | 365.56 | 365.52 | |
| 7 | 365.03 | 364.98 | 365.31 | 365.81 | 365.53 | 365.42 | 365.68 | 365.63 | 365.60 | 365.58 | 365.61 | 365.53 | |
| 8 | 365.03 | 364.96 | 365.29 | 365.78 | 365.53 | 365.38 | 365.67 | 365.64 | 365.60 | 365.58 | 365.60 | 365.53 | |
| 9 | 365.03 | 364.91 | 365.27 | 365.56 | 365.62 | 365.35 | 366.22 | 365.65 | 365.60 | 365.58 | 365.58 | 365.52 | |
| 10 | 365.03 | 364.92 | 365.27 | 365.52 | 365.62 | 365.59 | 366.07 | 365.65 | 365.62 | 365.56 | 365.56 | 365.52 | |
| 11 | 365.03 | 365.79 | 365.24 | 365.48 | 365.58 | 365.56 | 366.29 | 365.64 | 365.61 | 365.56 | 365.54 | 365.52 | |
| 12 | 365.03 | 365.48 | 365.26 | 365.53 | 365.54 | 365.99 | 366.06 | 365.65 | 365.60 | 365.56 | 365.53 | 365.52 | |
| 13 | 365.03 | 365.29 | 365.27 | 365.40 | 365.50 | 365.65 | 366.22 | 365.67 | 365.60 | 365.56 | 365.52 | 365.52 | |
| 14 | 365.03 | 365.12 | 365.24 | 365.46 | 365.97 | 365.56 | 365.95 | 365.64 | 365.60 | 365.56 | 365.52 | 365.52 | |
| 15 | 365.03 | 365.15 | 365.22 | 365.38 | 365.74 | 365.48 | 365.86 | 365.64 | 365.60 | 365.58 | 365.52 | 365.52 | |
| 16 | 365.03 | 365.30 | 365.23 | 365.38 | 365.70 | 365.67 | 365.81 | 365.64 | 365.60 | 365.58 | 365.52 | 365.52 | |
| 17 | 365.03 | 365.22 | 365.24 | 365.34 | 365.85 | 365.58 | 365.77 | 365.64 | 365.60 | 365.58 | 365.52 | 365.51 | |
| 18 | 365.03 | 365.17 | 365.25 | 365.33 | 365.75 | 365.54 | 365.74 | 365.64 | 365.60 | 365.58 | 365.52 | 365.51 | |
| 19 | 365.03 | 365.15 | 365.25 | 365.33 | 365.96 | 365.82 | 365.73 | 365.63 | 365.60 | 365.58 | 365.52 | 365.51 | |
| 20 | 365.03 | 365.11 | 365.47 | 365.52 | 365.76 | 366.08 | 365.71 | 365.61 | 365.61 | 365.58 | 365.52 | 365.51 | |
| 21 | 365.03 | 365.11 | 365.49 | 365.46 | 365.69 | 366.12 | 365.70 | 365.61 | 365.60 | 365.58 | 365.52 | 365.51 | |
| 22 | 365.03 | 365.35 | 365.38 | 365.43 | 365.64 | 366.02 | 365.66 | 365.61 | 365.60 | 365.58 | 365.52 | 365.51 | |
| 23 | 365.03 | 365.43 | 365.30 | 365.38 | 365.62 | 365.95 | 365.68 | 365.60 | 365.59 | 365.58 | 365.52 | 365.51 | |
| 24 | 365.03 | 366.51 | 365.32 | 365.35 | 365.59 | 365.83 | 365.68 | 365.60 | 365.58 | 365.58 | 365.52 | 365.51 | |
| 25 | 365.03 | 366.84 | 365.24 | 365.61 | 365.57 | 365.71 | 365.67 | 365.59 | 365.55 | 365.58 | 365.52 | 365.51 | |
| 26 | 365.03 | 365.84 | 365.32 | 365.87 | 365.58 | 365.65 | 365.67 | 365.59 | 365.56 | 365.58 | 365.52 | 365.51 | |
| 27 | 366.13 | 365.78 | 365.26 | 365.68 | 365.88 | 365.65 | 365.67 | 365.61 | 365.56 | 365.57 | 365.52 | 365.51 | |
| 28 | 365.52 | 365.65 | 365.23 | 365.64 | 366.48 | 365.81 | 365.67 | 365.60 | 365.54 | 365.57 | 365.52 | 365.51 | |
| 29 | 366.35 | 365.57 | 365.34 | 365.53 | 366.08 | 365.71 | 365.67 | 365.60 | 365.54 | 365.58 | | 365.51 | |
| 30 | 365.52 | 365.46 | 365.23 | 365.51 | 365.88 | 365.68 | 365.65 | 365.60 | 365.55 | 365.57 | | 365.51 | |
| 31 | | 365.48 | | 368.00 | 368.31 | | 365.63 | | 365.55 | 365.57 | | 365.51 | |
| Mean | 365.14 | 365.36 | 365.32 | 365.56 | 365.85 | 365.79 | 365.79 | 365.63 | 365.59 | 365.58 | 365.54 | 365.52 | |
| Max | 366.35 | 366.84 | 365.49 | 368.00 | 368.31 | 368.16 | 366.29 | 365.67 | 365.62 | 365.59 | 365.61 | 365.53 | 368.31 |
| Min | 365.03 | 364.91 | 365.22 | 365.24 | 365.50 | 365.35 | 365.61 | 365.59 | 365.54 | 365.56 | 365.52 | 365.51 | 364.91 |

Annual Max Momentary Gage Height 369.36 m. (MSL.) , at 21.00 Hours , on Aug 31, 2006

Zero Gage at Bottom Elevation 364.38 m. (MSL.) , River Bed 365.37 m. (MSL.)

Left Bank Elevation 370.12 m. (MSL.) ,

Right Bank Elevation 374.21 m. (MSL.) , Drainage Are 550 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.32 | 1.74 | 2.52 | 1.44 | 39.80 | 232.80 | 6.28 | 6.06 | 5.40 | 5.24 | 4.92 | 4.12 | | |
| 2 | 0.32 | 1.14 | 3.44 | 2.96 | 19.06 | 28.50 | 6.50 | 6.06 | 5.40 | 5.24 | 4.92 | 4.12 | | |
| 3 | 0.32 | 0.60 | 3.08 | 1.80 | 11.76 | 9.00 | 5.62 | 6.06 | 5.40 | 5.24 | 4.92 | 4.12 | | |
| 4 | 0.32 | 0.44 | 3.56 | 1.62 | 8.44 | 8.44 | 9.00 | 6.06 | 5.40 | 5.24 | 4.92 | 4.12 | | |
| 5 | 0.32 | 0.28 | 2.84 | 2.04 | 6.72 | 6.72 | 12.10 | 6.06 | 5.40 | 5.24 | 4.76 | 4.12 | | |
| 6 | 0.32 | 0.16 | 2.52 | 4.12 | 5.08 | 3.08 | 8.16 | 6.06 | 5.40 | 5.08 | 4.76 | 4.12 | | |
| 7 | 0.32 | 0.16 | 1.88 | 10.74 | 4.28 | 2.84 | 7.16 | 6.06 | 5.40 | 5.08 | 5.62 | 4.28 | | |
| 8 | 0.32 | 0.12 | 1.74 | 9.84 | 4.28 | 2.44 | 6.94 | 6.28 | 5.40 | 5.08 | 5.40 | 4.28 | | |
| 9 | 0.32 | 0.02 | 1.62 | 4.76 | 5.84 | 2.20 | 28.00 | 6.50 | 5.40 | 5.08 | 5.08 | 4.12 | | |
| 10 | 0.32 | 0.04 | 1.62 | 4.12 | 5.84 | 5.24 | 20.74 | 6.50 | 5.84 | 4.76 | 4.76 | 4.12 | | |
| 11 | 0.32 | 10.12 | 1.44 | 3.56 | 5.08 | 4.76 | 31.50 | 6.28 | 5.62 | 4.76 | 4.44 | 4.12 | | |
| 12 | 0.32 | 3.56 | 1.56 | 4.28 | 4.44 | 17.40 | 20.32 | 6.50 | 5.40 | 4.76 | 4.28 | 4.12 | | |
| 13 | 0.32 | 1.74 | 1.62 | 2.60 | 3.80 | 6.50 | 28.00 | 6.94 | 5.40 | 4.76 | 4.12 | 4.12 | | |
| 14 | 0.32 | 0.72 | 1.44 | 3.32 | 16.60 | 4.76 | 15.80 | 6.28 | 5.40 | 4.76 | 4.12 | 4.12 | | |
| 15 | 0.32 | 0.90 | 1.32 | 2.44 | 8.72 | 3.56 | 12.44 | 6.28 | 5.40 | 5.08 | 4.12 | 4.12 | | |
| 16 | 0.32 | 1.80 | 1.38 | 2.44 | 7.60 | 6.94 | 10.74 | 6.28 | 5.40 | 5.08 | 4.12 | 4.12 | | |
| 17 | 0.32 | 1.32 | 1.44 | 2.12 | 12.10 | 5.08 | 9.56 | 6.28 | 5.40 | 5.08 | 4.12 | 3.96 | | |
| 18 | 0.32 | 1.02 | 1.50 | 2.04 | 9.00 | 4.44 | 8.72 | 6.28 | 5.40 | 5.08 | 4.12 | 3.96 | | |
| 19 | 0.32 | 0.90 | 1.50 | 2.04 | 16.20 | 11.08 | 8.44 | 6.06 | 5.40 | 5.08 | 4.12 | 3.96 | | |
| 20 | 0.32 | 0.66 | 3.44 | 4.12 | 9.28 | 21.16 | 7.88 | 5.62 | 5.62 | 5.08 | 4.12 | 3.96 | | |
| 21 | 0.32 | 0.66 | 3.68 | 3.32 | 7.38 | 23.00 | 7.60 | 5.62 | 5.40 | 5.08 | 4.12 | 3.96 | | |
| 22 | 0.32 | 2.20 | 2.44 | 2.96 | 6.28 | 18.64 | 6.72 | 5.62 | 5.40 | 5.08 | 4.12 | 3.96 | | |
| 23 | 0.32 | 2.96 | 1.80 | 2.44 | 5.84 | 15.80 | 7.16 | 5.40 | 5.24 | 5.08 | 4.12 | 3.96 | | |
| 24 | 0.32 | 44.60 | 1.96 | 2.20 | 5.24 | 11.42 | 7.16 | 5.40 | 5.08 | 5.08 | 4.12 | 3.96 | | |
| 25 | 0.32 | 68.60 | 1.44 | 5.62 | 4.92 | 7.88 | 6.94 | 5.24 | 4.60 | 5.08 | 4.12 | 3.96 | | |
| 26 | 0.32 | 11.76 | 1.96 | 12.78 | 5.08 | 6.50 | 6.94 | 5.24 | 4.76 | 5.08 | 4.12 | 3.96 | | |
| 27 | 23.50 | 9.84 | 1.56 | 7.16 | 13.12 | 6.50 | 6.94 | 5.62 | 4.76 | 4.92 | 4.12 | 3.96 | | |
| 28 | 4.12 | 6.50 | 1.38 | 6.28 | 42.80 | 10.74 | 6.94 | 5.40 | 4.44 | 4.92 | 4.12 | 3.96 | | |
| 29 | 35.00 | 4.92 | 2.12 | 4.28 | 21.16 | 7.88 | 6.94 | 5.40 | 4.44 | 5.08 | | 3.96 | | |
| 30 | 4.12 | 3.32 | 1.38 | 3.96 | 13.12 | 7.16 | 6.50 | 5.40 | 4.60 | 4.92 | | 3.96 | | |
| 31 | | 3.56 | | 206.00 | 259.80 | | 6.06 | | 4.60 | 4.92 | | 3.96 | | |
| Total | 75.06 | 186.36 | 61.18 | 329.40 | 588.66 | 502.46 | 339.80 | 178.84 | 162.20 | 156.04 | 124.70 | 125.64 | 2830.34 | CMSDAY |
| Mean | 2.50 | 6.01 | 2.04 | 10.63 | 18.99 | 16.75 | 10.96 | 5.96 | 5.23 | 5.03 | 4.45 | 4.05 | 7.75 | CMS |
| Max | 35.00 | 68.60 | 3.68 | 206.00 | 259.80 | 232.80 | 31.50 | 6.94 | 5.84 | 5.24 | 5.62 | 4.28 | 259.80 | CMS |
| Min | 0.32 | 0.02 | 1.32 | 1.44 | 3.80 | 2.20 | 5.62 | 5.24 | 4.44 | 4.76 | 4.12 | 3.96 | 0.02 | CMS |
| Runoff | 6.49 | 16.10 | 5.29 | 28.46 | 50.86 | 43.41 | 29.36 | 15.45 | 14.01 | 13.48 | 10.77 | 10.86 | 244.54 | MCM |

Momentary Peak 484.40 CMS. at 369.36 m. (MSL.) at 21.00 Hours , on Aug 31, 2006

Runoff Yield 14.10 Liters/Second/Square KM. Momentary Peak Yield 880.73 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Khlong Khlung at Ban Sam Ruean , Kamphaeng Phet (P.78)

Lat 16 - 11 - 03 N Long 99 - 36 - 09 E

**Location : on left bank at Ban Sam Ruean.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Sam Ruean | **Amphoe** Khlong Khlung | **Changwat** Kamphaeng Phet | | |
| **Drainge Area** | 1,119 sq.km. | | | | |
| **Type of Gage** | Staff gage | | | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | Near the gage site. | | | **Elevation** | +6.000 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | | | |
| **Period of Available Gage Records** | 2005 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2005 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2005 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

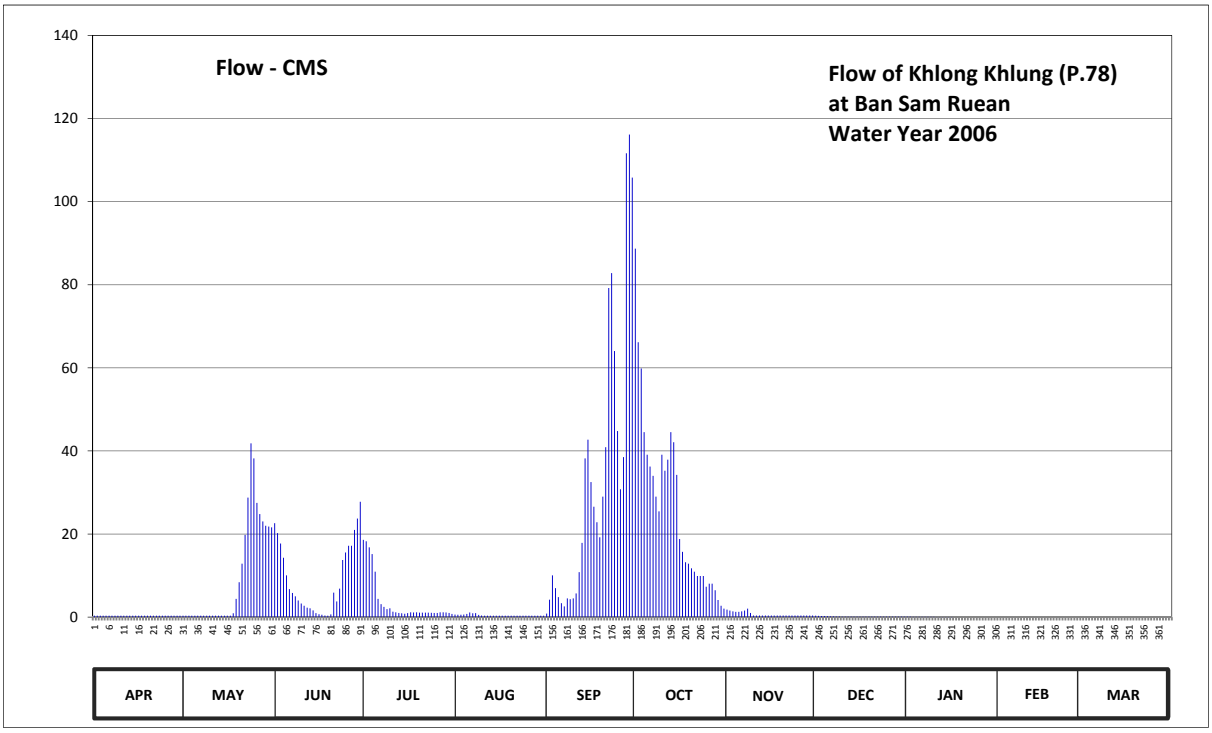
| | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.95 | 0.95 | 2.80 | 2.60 | 1.05 | 1.11 | 4.86 | 1.30 | 0.94 | 0.65 | 0.41 | 0.34 | |
| 2 | 0.95 | 0.95 | 2.68 | 2.58 | 1.04 | 1.62 | 4.29 | 1.26 | 0.90 | 0.65 | 0.41 | 0.34 | |
| 3 | 0.95 | 0.95 | 2.55 | 2.50 | 1.04 | 2.11 | 4.11 | 1.23 | 0.88 | 0.64 | 0.41 | 0.33 | |
| 4 | 0.95 | 0.95 | 2.36 | 2.41 | 1.05 | 1.88 | 3.65 | 1.21 | 0.86 | 0.64 | 0.41 | 0.32 | |
| 5 | 0.95 | 0.95 | 2.11 | 2.17 | 1.09 | 1.68 | 3.47 | 1.21 | 0.83 | 0.63 | 0.40 | 0.32 | |
| 6 | 0.95 | 0.95 | 1.86 | 1.64 | 1.18 | 1.52 | 3.37 | 1.23 | 0.80 | 0.63 | 0.40 | 0.31 | |
| 7 | 0.95 | 0.95 | 1.78 | 1.49 | 1.13 | 1.42 | 3.28 | 1.26 | 0.78 | 0.62 | 0.40 | 0.31 | |
| 8 | 0.95 | 0.95 | 1.70 | 1.41 | 1.14 | 1.65 | 3.08 | 1.34 | 0.75 | 0.62 | 0.40 | 0.30 | |
| 9 | 0.95 | 0.95 | 1.60 | 1.32 | 1.03 | 1.63 | 2.93 | 1.15 | 0.72 | 0.60 | 0.39 | 0.30 | |
| 10 | 0.95 | 0.95 | 1.51 | 1.35 | 0.98 | 1.65 | 3.47 | 1.00 | 0.70 | 0.60 | 0.39 | 0.30 | |
| 11 | 0.95 | 0.95 | 1.44 | 1.22 | 0.95 | 1.77 | 3.33 | 1.00 | 0.68 | 0.58 | 0.39 | 0.30 | |
| 12 | 0.95 | 0.95 | 1.38 | 1.19 | 0.95 | 2.16 | 3.43 | 0.99 | 0.67 | 0.58 | 0.38 | 0.30 | |
| 13 | 0.95 | 0.95 | 1.35 | 1.15 | 0.95 | 2.56 | 3.65 | 0.99 | 0.66 | 0.56 | 0.38 | 0.30 | |
| 14 | 0.95 | 0.95 | 1.27 | 1.13 | 0.95 | 3.44 | 3.57 | 0.99 | 0.66 | 0.56 | 0.38 | 0.30 | |
| 15 | 0.95 | 0.95 | 1.14 | 1.10 | 0.95 | 3.59 | 3.29 | 1.00 | 0.65 | 0.54 | 0.37 | 0.30 | |
| 16 | 0.95 | 0.95 | 1.07 | 1.14 | 0.95 | 3.22 | 2.61 | 1.00 | 0.65 | 0.54 | 0.37 | 0.29 | |
| 17 | 0.95 | 0.95 | 1.04 | 1.19 | 0.95 | 2.98 | 2.44 | 0.99 | 0.65 | 0.52 | 0.37 | 0.29 | |
| 18 | 0.95 | 1.13 | 1.00 | 1.18 | 0.95 | 2.81 | 2.30 | 0.99 | 0.65 | 0.52 | 0.37 | 0.29 | |
| 19 | 0.95 | 1.64 | 0.95 | 1.19 | 0.95 | 2.63 | 2.28 | 0.98 | 0.65 | 0.50 | 0.36 | 0.29 | |
| 20 | 0.95 | 2.00 | 1.06 | 1.17 | 0.95 | 3.08 | 2.22 | 0.98 | 0.65 | 0.50 | 0.36 | 0.29 | |
| 21 | 0.95 | 2.28 | 1.79 | 1.17 | 0.95 | 3.53 | 2.17 | 0.98 | 0.65 | 0.48 | 0.36 | 0.29 | |
| 22 | 0.95 | 2.66 | 1.57 | 1.17 | 0.95 | 4.63 | 2.10 | 0.98 | 0.65 | 0.48 | 0.36 | 0.29 | |
| 23 | 0.95 | 3.07 | 1.87 | 1.17 | 0.95 | 4.72 | 2.10 | 0.98 | 0.65 | 0.46 | 0.36 | 0.29 | |
| 24 | 0.95 | 3.56 | 2.33 | 1.16 | 0.95 | 4.23 | 2.10 | 0.98 | 0.65 | 0.46 | 0.35 | 0.29 | |
| 25 | 0.95 | 3.44 | 2.43 | 1.15 | 0.95 | 3.66 | 1.91 | 0.97 | 0.65 | 0.44 | 0.35 | 0.28 | |
| 26 | 0.95 | 3.02 | 2.52 | 1.15 | 0.95 | 3.15 | 1.97 | 0.97 | 0.65 | 0.44 | 0.35 | 0.28 | |
| 27 | 0.95 | 2.90 | 2.52 | 1.19 | 0.95 | 3.45 | 1.97 | 0.97 | 0.65 | 0.43 | 0.35 | 0.28 | |
| 28 | 0.95 | 2.82 | 2.72 | 1.19 | 0.95 | 5.37 | 1.84 | 0.97 | 0.65 | 0.43 | 0.35 | 0.28 | |
| 29 | 0.95 | 2.77 | 2.85 | 1.18 | 0.95 | 5.47 | 1.61 | 0.97 | 0.65 | 0.42 | | 0.28 | |
| 30 | 0.95 | 2.76 | 3.03 | 1.15 | 0.95 | 5.24 | 1.44 | 0.97 | 0.65 | 0.42 | | 0.28 | |
| 31 | | 2.75 | | 1.09 | 0.95 | | 1.34 | | 0.65 | 0.42 | | 0.28 | |
| Mean | 0.95 | 1.71 | 1.88 | 1.42 | 0.99 | 2.93 | 2.78 | 1.06 | 0.71 | 0.53 | 0.38 | 0.30 | |
| Max | 0.95 | 3.56 | 3.03 | 2.60 | 1.18 | 5.47 | 4.86 | 1.34 | 0.94 | 0.65 | 0.41 | 0.34 | 5.47 |
| Min | 0.95 | 0.95 | 0.95 | 1.09 | 0.95 | 1.11 | 1.34 | 0.97 | 0.65 | 0.42 | 0.35 | 0.28 | 0.28 |

Annual Max Momentary Gage Height 5.65 m. (A.D.) , at 18.00 Hours , on Sep 28 , 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.41 m. (A.D.)

Left Bank Elevation 8.07 m. (A.D.) ,

Right Bank Elevation 8.06 m. (A.D.) , Drainage Are 1,119 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.35 | 0.35 | 22.60 | 18.60 | 0.60 | 0.84 | 88.70 | 1.80 | 0.34 | 0.10 | 0.00 | 0.00 | | |
| 2 | 0.35 | 0.35 | 20.20 | 18.24 | 0.56 | 4.20 | 66.15 | 1.56 | 0.30 | 0.10 | 0.00 | 0.00 | | |
| 3 | 0.35 | 0.35 | 17.70 | 16.80 | 0.56 | 10.05 | 59.85 | 1.38 | 0.28 | 0.09 | 0.00 | 0.00 | | |
| 4 | 0.35 | 0.35 | 14.28 | 15.18 | 0.60 | 6.96 | 44.50 | 1.26 | 0.26 | 0.09 | 0.00 | 0.00 | | |
| 5 | 0.35 | 0.35 | 10.05 | 10.95 | 0.76 | 4.80 | 39.10 | 1.26 | 0.23 | 0.09 | 0.00 | 0.00 | | |
| 6 | 0.35 | 0.35 | 6.72 | 4.40 | 1.12 | 3.36 | 36.25 | 1.38 | 0.20 | 0.09 | 0.00 | 0.00 | | |
| 7 | 0.35 | 0.35 | 5.80 | 3.12 | 0.92 | 2.56 | 34.00 | 1.56 | 0.19 | 0.08 | 0.00 | 0.00 | | |
| 8 | 0.35 | 0.35 | 5.00 | 2.48 | 0.96 | 4.50 | 29.00 | 2.04 | 0.17 | 0.08 | 0.00 | 0.00 | | |
| 9 | 0.35 | 0.35 | 4.00 | 1.92 | 0.52 | 4.30 | 25.46 | 1.00 | 0.15 | 0.07 | 0.00 | 0.00 | | |
| 10 | 0.35 | 0.35 | 3.28 | 2.10 | 0.38 | 4.50 | 39.10 | 0.40 | 0.13 | 0.07 | 0.00 | 0.00 | | |
| 11 | 0.35 | 0.35 | 2.72 | 1.32 | 0.35 | 5.70 | 35.25 | 0.40 | 0.12 | 0.05 | 0.00 | 0.00 | | |
| 12 | 0.35 | 0.35 | 2.28 | 1.16 | 0.35 | 10.80 | 37.90 | 0.39 | 0.11 | 0.05 | 0.00 | 0.00 | | |
| 13 | 0.35 | 0.35 | 2.10 | 1.00 | 0.35 | 17.88 | 44.50 | 0.39 | 0.11 | 0.04 | 0.00 | 0.00 | | |
| 14 | 0.35 | 0.35 | 1.62 | 0.92 | 0.35 | 38.20 | 42.10 | 0.39 | 0.11 | 0.04 | 0.00 | 0.00 | | |
| 15 | 0.35 | 0.35 | 0.96 | 0.80 | 0.35 | 42.70 | 34.25 | 0.40 | 0.10 | 0.03 | 0.00 | 0.00 | | |
| 16 | 0.35 | 0.35 | 0.68 | 0.96 | 0.35 | 32.50 | 18.80 | 0.40 | 0.10 | 0.03 | 0.00 | 0.00 | | |
| 17 | 0.35 | 0.35 | 0.56 | 1.16 | 0.35 | 26.56 | 15.72 | 0.39 | 0.10 | 0.01 | 0.00 | 0.00 | | |
| 18 | 0.35 | 0.92 | 0.40 | 1.12 | 0.35 | 22.82 | 13.20 | 0.39 | 0.10 | 0.01 | 0.00 | 0.00 | | |
| 19 | 0.35 | 4.40 | 0.35 | 1.16 | 0.35 | 19.20 | 12.84 | 0.38 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.35 | 8.40 | 0.64 | 1.08 | 0.35 | 29.00 | 11.76 | 0.38 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.35 | 12.84 | 5.90 | 1.08 | 0.35 | 40.90 | 10.95 | 0.38 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.35 | 19.80 | 3.76 | 1.08 | 0.35 | 79.20 | 9.90 | 0.38 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.35 | 28.75 | 6.84 | 1.08 | 0.35 | 82.80 | 9.90 | 0.38 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.35 | 41.80 | 13.74 | 1.04 | 0.35 | 64.05 | 9.90 | 0.38 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.35 | 38.20 | 15.54 | 1.00 | 0.35 | 44.80 | 7.32 | 0.37 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.35 | 27.50 | 17.16 | 1.00 | 0.35 | 30.75 | 8.04 | 0.37 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.35 | 24.80 | 17.16 | 1.16 | 0.35 | 38.50 | 8.04 | 0.37 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.35 | 23.04 | 21.00 | 1.16 | 0.35 | 111.65 | 6.48 | 0.37 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.35 | 22.00 | 23.70 | 1.12 | 0.35 | 116.15 | 4.10 | 0.37 | 0.10 | 0.00 | | 0.00 | | |
| 30 | 0.35 | 21.80 | 27.75 | 1.00 | 0.35 | 105.80 | 2.72 | 0.37 | 0.10 | 0.00 | | 0.00 | | |
| 31 | | 21.60 | | 0.76 | 0.35 | | 2.04 | | 0.10 | 0.00 | | 0.00 | | |
| Total | 10.50 | 301.80 | 274.49 | 115.95 | 14.33 | 1006.03 | 807.82 | 21.29 | 4.40 | 1.12 | 0.00 | 0.00 | 2557.73 | CMSDAY |
| Mean | 0.35 | 9.74 | 9.15 | 3.74 | 0.46 | 33.53 | 26.06 | 0.71 | 0.14 | 0.04 | 0.00 | 0.00 | 7.01 | CMS |
| Max | 0.35 | 41.80 | 27.75 | 18.60 | 1.12 | 116.15 | 88.70 | 2.04 | 0.34 | 0.10 | 0.00 | 0.00 | 116.15 | CMS |
| Min | 0.35 | 0.35 | 0.35 | 0.76 | 0.35 | 0.84 | 2.04 | 0.37 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.91 | 26.08 | 23.72 | 10.02 | 1.24 | 86.92 | 69.80 | 1.84 | 0.38 | 0.10 | 0.00 | 0.00 | 220.99 | MCM |

Momentary Peak 124.25 CMS. at 5.65 m. (A.D.) at 18.00 Hours , on Sep 28 , 2006

Runoff Yield 6.26 Liters/Second/Square KM. Momentary Peak Yield 111.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Kuang at Ban Mae Wan , Chiang Mai (P.79)

Lat 18 - 57 - 45 N Long 99 - 14 - 31 E

**Location : on left bank at the bridge on road.**

**Ban** Mae Wan **Amphoe** Doi Saket **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 136 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +442.550 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the approach of the bridge. **Elevation** +447.326 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 2001 to date |
| **Rating Operation** | |
| **Period of Rating** | 2001 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2001 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

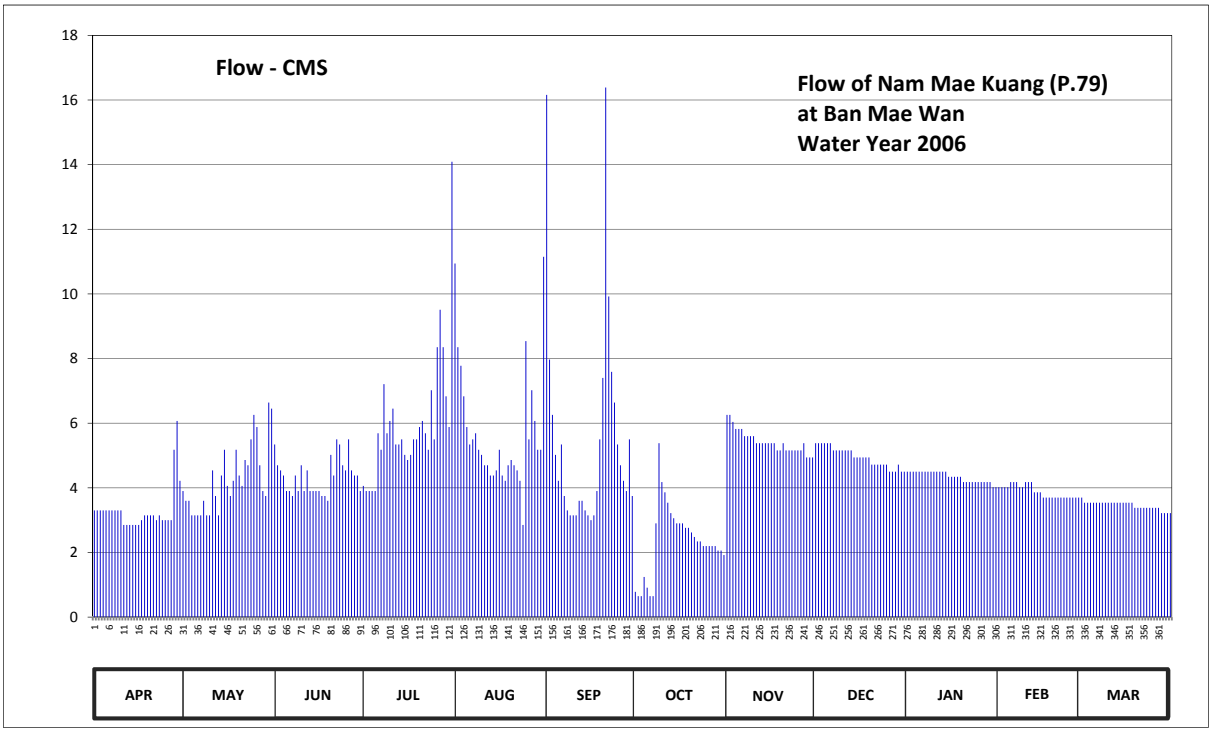
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 442.96 | 443.00 | 443.09 | 443.01 | 443.38 | 443.62 | 442.72 | 442.88 | 442.84 | 442.80 | 442.77 | 442.75 | |
| 2 | 442.96 | 442.98 | 443.05 | 443.00 | 443.25 | 443.23 | 442.70 | 442.88 | 442.84 | 442.80 | 442.77 | 442.74 | |
| 3 | 442.96 | 442.98 | 443.04 | 443.00 | 443.22 | 443.14 | 442.70 | 442.87 | 442.84 | 442.80 | 442.77 | 442.74 | |
| 4 | 442.96 | 442.95 | 443.03 | 443.00 | 443.17 | 443.07 | 442.79 | 442.86 | 442.84 | 442.80 | 442.77 | 442.74 | |
| 5 | 442.96 | 442.95 | 443.00 | 443.00 | 443.12 | 443.02 | 442.74 | 442.86 | 442.84 | 442.80 | 442.78 | 442.74 | |
| 6 | 442.96 | 442.95 | 443.00 | 443.11 | 443.09 | 443.09 | 442.70 | 442.86 | 442.84 | 442.80 | 442.78 | 442.74 | |
| 7 | 442.96 | 442.95 | 442.99 | 443.08 | 443.10 | 442.99 | 442.70 | 442.85 | 442.83 | 442.80 | 442.78 | 442.74 | |
| 8 | 442.96 | 442.98 | 443.03 | 443.19 | 443.11 | 442.96 | 442.70 | 442.85 | 442.83 | 442.80 | 442.77 | 442.74 | |
| 9 | 442.96 | 442.95 | 443.00 | 443.11 | 443.08 | 442.95 | 442.84 | 442.85 | 442.83 | 442.80 | 442.77 | 442.74 | |
| 10 | 442.96 | 442.95 | 443.05 | 443.13 | 443.07 | 442.95 | 442.78 | 442.85 | 442.83 | 442.80 | 442.78 | 442.74 | |
| 11 | 442.93 | 443.04 | 443.00 | 443.15 | 443.05 | 442.95 | 442.76 | 442.84 | 442.83 | 442.80 | 442.78 | 442.74 | |
| 12 | 442.93 | 442.99 | 443.04 | 443.09 | 443.05 | 442.98 | 442.74 | 442.84 | 442.83 | 442.80 | 442.78 | 442.74 | |
| 13 | 442.93 | 442.95 | 443.00 | 443.09 | 443.03 | 442.98 | 442.72 | 442.84 | 442.83 | 442.80 | 442.76 | 442.74 | |
| 14 | 442.93 | 443.03 | 443.00 | 443.10 | 443.03 | 442.96 | 442.71 | 442.84 | 442.82 | 442.80 | 442.76 | 442.74 | |
| 15 | 442.93 | 443.08 | 443.00 | 443.07 | 443.04 | 442.95 | 442.70 | 442.84 | 442.82 | 442.79 | 442.76 | 442.74 | |
| 16 | 442.93 | 443.01 | 443.00 | 443.06 | 443.08 | 442.94 | 442.70 | 442.84 | 442.82 | 442.79 | 442.75 | 442.74 | |
| 17 | 442.94 | 442.99 | 442.99 | 443.07 | 443.03 | 442.95 | 442.70 | 442.84 | 442.82 | 442.79 | 442.75 | 442.74 | |
| 18 | 442.95 | 443.02 | 442.99 | 443.10 | 443.02 | 443.00 | 442.69 | 442.83 | 442.82 | 442.79 | 442.75 | 442.74 | |
| 19 | 442.95 | 443.08 | 442.98 | 443.10 | 443.05 | 443.10 | 442.69 | 442.83 | 442.82 | 442.79 | 442.75 | 442.73 | |
| 20 | 442.95 | 443.03 | 443.07 | 443.12 | 443.06 | 443.20 | 442.68 | 442.84 | 442.81 | 442.78 | 442.75 | 442.73 | |
| 21 | 442.95 | 443.01 | 443.03 | 443.13 | 443.05 | 443.63 | 442.67 | 442.83 | 442.81 | 442.78 | 442.75 | 442.73 | |
| 22 | 442.94 | 443.06 | 443.10 | 443.11 | 443.04 | 443.33 | 442.66 | 442.83 | 442.81 | 442.78 | 442.75 | 442.73 | |
| 23 | 442.95 | 443.05 | 443.09 | 443.08 | 443.02 | 443.21 | 442.66 | 442.83 | 442.81 | 442.78 | 442.75 | 442.73 | |
| 24 | 442.94 | 443.10 | 443.05 | 443.18 | 442.93 | 443.16 | 442.65 | 442.83 | 442.81 | 442.78 | 442.75 | 442.73 | |
| 25 | 442.94 | 443.14 | 443.04 | 443.10 | 443.26 | 443.09 | 442.65 | 442.83 | 442.81 | 442.78 | 442.75 | 442.73 | |
| 26 | 442.94 | 443.12 | 443.10 | 443.25 | 443.10 | 443.05 | 442.65 | 442.83 | 442.80 | 442.78 | 442.75 | 442.73 | |
| 27 | 442.94 | 443.05 | 443.04 | 443.31 | 443.18 | 443.02 | 442.65 | 442.84 | 442.80 | 442.78 | 442.75 | 442.73 | |
| 28 | 443.08 | 443.00 | 443.03 | 443.25 | 443.13 | 443.00 | 442.65 | 442.82 | 442.80 | 442.78 | 442.75 | 442.72 | |
| 29 | 443.13 | 442.99 | 443.03 | 443.17 | 443.08 | 443.10 | 442.64 | 442.82 | 442.81 | 442.78 | | 442.72 | |
| 30 | 443.02 | 443.16 | 443.00 | 443.12 | 443.08 | 442.99 | 442.64 | 442.82 | 442.80 | 442.77 | | 442.72 | |
| 31 | | 443.15 | | 443.53 | 443.39 | | 442.63 | | 442.80 | 442.77 | | 442.72 | |
| Mean | 442.96 | 443.02 | 443.03 | 443.12 | 443.11 | 443.09 | 442.70 | 442.84 | 442.82 | 442.79 | 442.76 | 442.73 | |
| Max | 443.13 | 443.16 | 443.10 | 443.53 | 443.39 | 443.63 | 442.84 | 442.88 | 442.84 | 442.80 | 442.78 | 442.75 | 443.63 |
| Min | 442.93 | 442.95 | 442.98 | 443.00 | 442.93 | 442.94 | 442.63 | 442.82 | 442.80 | 442.77 | 442.75 | 442.72 | 442.63 |

Annual Max Momentary Gage Height 444.30 m. (MSL.) , at 18.00 Hours , on Sep 21, 2006

Zero Gage at Bottom Elevation 442.55 m. (MSL.) , River Bed 442.30 m. (MSL.)

Left Bank Elevation 446.87 m. (MSL.) ,

Right Bank Elevation 446.08 m. (MSL.) , Drainage Are 136 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.30 | 3.90 | 5.34 | 4.06 | 10.94 | 16.16 | 0.78 | 6.26 | 5.38 | 4.50 | 4.02 | 3.70 | | |
| 2 | 3.30 | 3.60 | 4.70 | 3.90 | 8.35 | 7.97 | 0.65 | 6.26 | 5.38 | 4.50 | 4.02 | 3.54 | | |
| 3 | 3.30 | 3.60 | 4.54 | 3.90 | 7.78 | 6.26 | 0.65 | 6.04 | 5.38 | 4.50 | 4.02 | 3.54 | | |
| 4 | 3.30 | 3.15 | 4.38 | 3.90 | 6.83 | 5.02 | 1.24 | 5.82 | 5.38 | 4.50 | 4.02 | 3.54 | | |
| 5 | 3.30 | 3.15 | 3.90 | 3.90 | 5.88 | 4.22 | 0.91 | 5.82 | 5.38 | 4.50 | 4.18 | 3.54 | | |
| 6 | 3.30 | 3.15 | 3.90 | 5.69 | 5.34 | 5.34 | 0.65 | 5.82 | 5.38 | 4.50 | 4.18 | 3.54 | | |
| 7 | 3.30 | 3.15 | 3.75 | 5.18 | 5.50 | 3.75 | 0.65 | 5.60 | 5.16 | 4.50 | 4.18 | 3.54 | | |
| 8 | 3.30 | 3.60 | 4.38 | 7.21 | 5.69 | 3.30 | 2.90 | 5.60 | 5.16 | 4.50 | 4.02 | 3.54 | | |
| 9 | 3.30 | 3.15 | 3.90 | 5.69 | 5.18 | 3.15 | 5.38 | 5.60 | 5.16 | 4.50 | 4.02 | 3.54 | | |
| 10 | 3.30 | 3.15 | 4.70 | 6.07 | 5.02 | 3.15 | 4.18 | 5.60 | 5.16 | 4.50 | 4.18 | 3.54 | | |
| 11 | 2.85 | 4.54 | 3.90 | 6.45 | 4.70 | 3.15 | 3.86 | 5.38 | 5.16 | 4.50 | 4.18 | 3.54 | | |
| 12 | 2.85 | 3.75 | 4.54 | 5.34 | 4.70 | 3.60 | 3.54 | 5.38 | 5.16 | 4.50 | 4.18 | 3.54 | | |
| 13 | 2.85 | 3.15 | 3.90 | 5.34 | 4.38 | 3.60 | 3.22 | 5.38 | 5.16 | 4.50 | 3.86 | 3.54 | | |
| 14 | 2.85 | 4.38 | 3.90 | 5.50 | 4.38 | 3.30 | 3.06 | 5.38 | 4.94 | 4.50 | 3.86 | 3.54 | | |
| 15 | 2.85 | 5.18 | 3.90 | 5.02 | 4.54 | 3.15 | 2.90 | 5.38 | 4.94 | 4.34 | 3.86 | 3.54 | | |
| 16 | 2.85 | 4.06 | 3.90 | 4.86 | 5.18 | 3.00 | 2.90 | 5.38 | 4.94 | 4.34 | 3.70 | 3.54 | | |
| 17 | 3.00 | 3.75 | 3.75 | 5.02 | 4.38 | 3.15 | 2.90 | 5.38 | 4.94 | 4.34 | 3.70 | 3.54 | | |
| 18 | 3.15 | 4.22 | 3.75 | 5.50 | 4.22 | 3.90 | 2.76 | 5.16 | 4.94 | 4.34 | 3.70 | 3.54 | | |
| 19 | 3.15 | 5.18 | 3.60 | 5.50 | 4.70 | 5.50 | 2.76 | 5.16 | 4.94 | 4.34 | 3.70 | 3.38 | | |
| 20 | 3.15 | 4.38 | 5.02 | 5.88 | 4.86 | 7.40 | 2.62 | 5.38 | 4.72 | 4.18 | 3.70 | 3.38 | | |
| 21 | 3.15 | 4.06 | 4.38 | 6.07 | 4.70 | 16.39 | 2.48 | 5.16 | 4.72 | 4.18 | 3.70 | 3.38 | | |
| 22 | 3.00 | 4.86 | 5.50 | 5.69 | 4.54 | 9.92 | 2.34 | 5.16 | 4.72 | 4.18 | 3.70 | 3.38 | | |
| 23 | 3.15 | 4.70 | 5.34 | 5.18 | 4.22 | 7.59 | 2.34 | 5.16 | 4.72 | 4.18 | 3.70 | 3.38 | | |
| 24 | 3.00 | 5.50 | 4.70 | 7.02 | 2.85 | 6.64 | 2.20 | 5.16 | 4.72 | 4.18 | 3.70 | 3.38 | | |
| 25 | 3.00 | 6.26 | 4.54 | 5.50 | 8.54 | 5.34 | 2.20 | 5.16 | 4.72 | 4.18 | 3.70 | 3.38 | | |
| 26 | 3.00 | 5.88 | 5.50 | 8.35 | 5.50 | 4.70 | 2.20 | 5.16 | 4.50 | 4.18 | 3.70 | 3.38 | | |
| 27 | 3.00 | 4.70 | 4.54 | 9.51 | 7.02 | 4.22 | 2.20 | 5.38 | 4.50 | 4.18 | 3.70 | 3.38 | | |
| 28 | 5.18 | 3.90 | 4.38 | 8.35 | 6.07 | 3.90 | 2.20 | 4.94 | 4.50 | 4.18 | 3.70 | 3.22 | | |
| 29 | 6.07 | 3.75 | 4.38 | 6.83 | 5.18 | 5.50 | 2.06 | 4.94 | 4.72 | 4.18 | | 3.22 | | |
| 30 | 4.22 | 6.64 | 3.90 | 5.88 | 5.18 | 3.75 | 2.06 | 4.94 | 4.50 | 4.02 | | 3.22 | | |
| 31 | | 6.45 | | 14.09 | 11.15 | | 1.92 | | 4.50 | 4.02 | | 3.22 | | |
| Total | 99.32 | 132.89 | 130.81 | 186.38 | 177.50 | 166.02 | 72.71 | 162.94 | 153.58 | 134.54 | 108.88 | 107.18 | 1632.75 | CMSDAY |
| Mean | 3.31 | 4.29 | 4.36 | 6.01 | 5.73 | 5.53 | 2.35 | 5.43 | 4.95 | 4.34 | 3.89 | 3.46 | 4.47 | CMS |
| Max | 6.07 | 6.64 | 5.50 | 14.09 | 11.15 | 16.39 | 5.38 | 6.26 | 5.38 | 4.50 | 4.18 | 3.70 | 16.39 | CMS |
| Min | 2.85 | 3.15 | 3.60 | 3.90 | 2.85 | 3.00 | 0.65 | 4.94 | 4.50 | 4.02 | 3.70 | 3.22 | 0.65 | CMS |
| Runoff | 8.58 | 11.48 | 11.30 | 16.10 | 15.34 | 14.34 | 6.28 | 14.08 | 13.27 | 11.62 | 9.41 | 9.26 | 141.07 | MCM |

Momentary Peak 35.50 CMS. at 444.30 m. (MSL.) at 18.00 Hours , on Sep 21, 2006

Runoff Yield 32.89 Liters/Second/Square KM. Momentary Peak Yield 261.03 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Lai at Ban Pong Din , Chiang Mai (P.80)

Lat 18 - 54 - 49 N Long 99 - 14 - 17 E

**Location : on left bank at the bridge on road.**

**Ban** Pong Din **Amphoe** Doi Saket **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 129 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +455.096 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the approach of the bridge. **Elevation** +462.021 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 2001 to date |
| **Rating Operation** | |
| **Period of Rating** | 2001 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2001 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

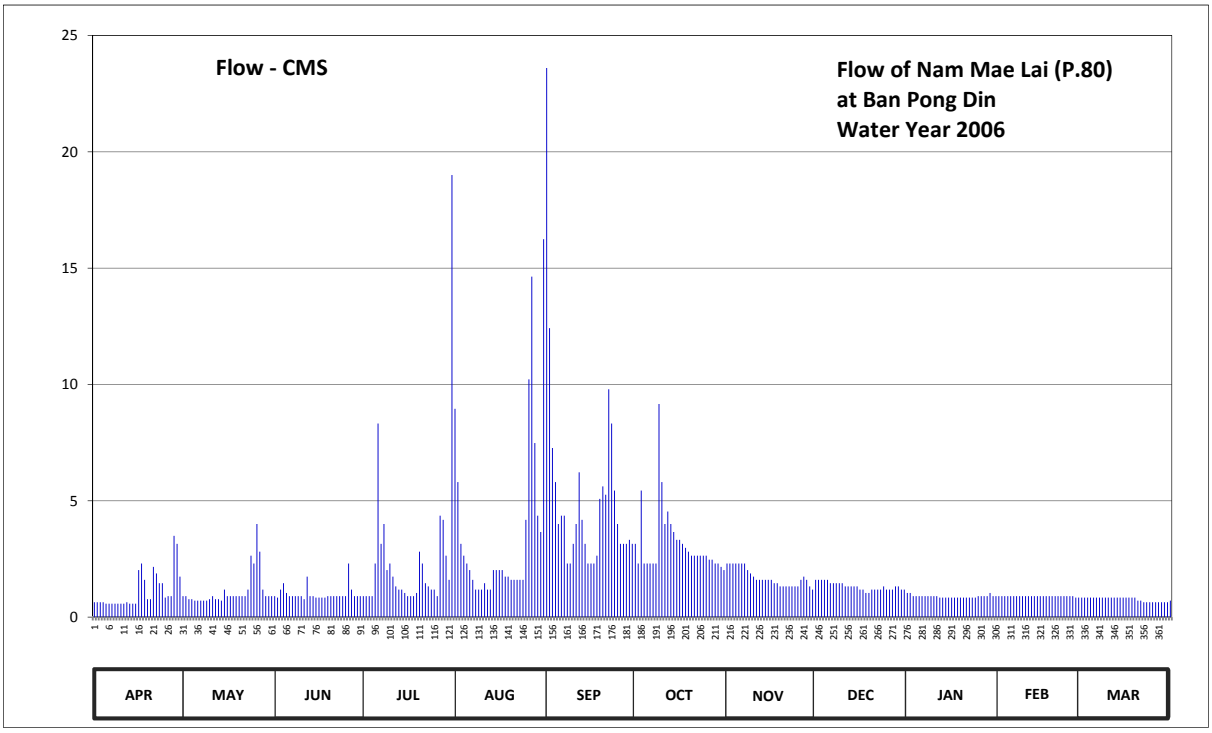
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 455.56 | 455.60 | 455.60 | 455.60 | 456.05 | 456.70 | 455.75 | 455.70 | 455.65 | 455.61 | 455.60 | 455.59 | |
| 2 | 455.56 | 455.60 | 455.59 | 455.60 | 455.90 | 456.21 | 455.70 | 455.70 | 455.65 | 455.61 | 455.60 | 455.59 | |
| 3 | 455.56 | 455.58 | 455.62 | 455.60 | 455.75 | 455.97 | 455.88 | 455.70 | 455.65 | 455.60 | 455.60 | 455.59 | |
| 4 | 455.56 | 455.58 | 455.64 | 455.60 | 455.72 | 455.90 | 455.70 | 455.70 | 455.65 | 455.60 | 455.60 | 455.59 | |
| 5 | 455.55 | 455.57 | 455.61 | 455.70 | 455.70 | 455.80 | 455.70 | 455.70 | 455.65 | 455.60 | 455.60 | 455.59 | |
| 6 | 455.55 | 455.57 | 455.60 | 456.02 | 455.68 | 455.82 | 455.70 | 455.70 | 455.64 | 455.60 | 455.60 | 455.59 | |
| 7 | 455.55 | 455.57 | 455.60 | 455.75 | 455.65 | 455.82 | 455.70 | 455.70 | 455.64 | 455.60 | 455.60 | 455.59 | |
| 8 | 455.55 | 455.57 | 455.60 | 455.80 | 455.62 | 455.70 | 455.70 | 455.68 | 455.64 | 455.60 | 455.60 | 455.59 | |
| 9 | 455.55 | 455.57 | 455.60 | 455.68 | 455.62 | 455.70 | 456.06 | 455.67 | 455.64 | 455.60 | 455.60 | 455.59 | |
| 10 | 455.55 | 455.58 | 455.60 | 455.70 | 455.62 | 455.75 | 455.90 | 455.66 | 455.64 | 455.60 | 455.60 | 455.59 | |
| 11 | 455.55 | 455.60 | 455.58 | 455.66 | 455.64 | 455.80 | 455.80 | 455.65 | 455.63 | 455.60 | 455.60 | 455.59 | |
| 12 | 455.56 | 455.58 | 455.66 | 455.63 | 455.62 | 455.92 | 455.83 | 455.65 | 455.63 | 455.59 | 455.60 | 455.59 | |
| 13 | 455.55 | 455.58 | 455.60 | 455.62 | 455.62 | 455.81 | 455.80 | 455.65 | 455.63 | 455.59 | 455.60 | 455.59 | |
| 14 | 455.55 | 455.57 | 455.60 | 455.62 | 455.68 | 455.75 | 455.78 | 455.65 | 455.63 | 455.59 | 455.60 | 455.59 | |
| 15 | 455.55 | 455.62 | 455.59 | 455.61 | 455.68 | 455.70 | 455.76 | 455.65 | 455.63 | 455.59 | 455.60 | 455.59 | |
| 16 | 455.68 | 455.60 | 455.59 | 455.60 | 455.68 | 455.70 | 455.76 | 455.65 | 455.62 | 455.59 | 455.60 | 455.59 | |
| 17 | 455.70 | 455.60 | 455.59 | 455.60 | 455.68 | 455.70 | 455.75 | 455.64 | 455.62 | 455.59 | 455.60 | 455.59 | |
| 18 | 455.65 | 455.60 | 455.59 | 455.60 | 455.66 | 455.72 | 455.74 | 455.64 | 455.61 | 455.59 | 455.60 | 455.59 | |
| 19 | 455.58 | 455.60 | 455.60 | 455.61 | 455.66 | 455.86 | 455.73 | 455.63 | 455.61 | 455.59 | 455.60 | 455.59 | |
| 20 | 455.58 | 455.60 | 455.60 | 455.73 | 455.65 | 455.89 | 455.72 | 455.63 | 455.62 | 455.59 | 455.60 | 455.57 | |
| 21 | 455.69 | 455.60 | 455.60 | 455.70 | 455.65 | 455.87 | 455.72 | 455.63 | 455.62 | 455.59 | 455.60 | 455.57 | |
| 22 | 455.67 | 455.60 | 455.60 | 455.64 | 455.65 | 456.09 | 455.72 | 455.63 | 455.62 | 455.59 | 455.60 | 455.56 | |
| 23 | 455.64 | 455.62 | 455.60 | 455.63 | 455.65 | 456.02 | 455.72 | 455.63 | 455.62 | 455.59 | 455.60 | 455.56 | |
| 24 | 455.64 | 455.72 | 455.60 | 455.62 | 455.65 | 455.88 | 455.72 | 455.63 | 455.63 | 455.59 | 455.60 | 455.56 | |
| 25 | 455.59 | 455.70 | 455.60 | 455.62 | 455.81 | 455.80 | 455.72 | 455.63 | 455.62 | 455.60 | 455.60 | 455.56 | |
| 26 | 455.60 | 455.80 | 455.70 | 455.60 | 456.11 | 455.75 | 455.71 | 455.65 | 455.62 | 455.60 | 455.60 | 455.56 | |
| 27 | 455.60 | 455.73 | 455.62 | 455.82 | 456.31 | 455.75 | 455.71 | 455.66 | 455.62 | 455.60 | 455.59 | 455.56 | |
| 28 | 455.77 | 455.62 | 455.60 | 455.81 | 455.98 | 455.75 | 455.70 | 455.65 | 455.63 | 455.60 | 455.59 | 455.56 | |
| 29 | 455.75 | 455.60 | 455.60 | 455.72 | 455.82 | 455.76 | 455.70 | 455.63 | 455.63 | 455.61 | | 455.56 | |
| 30 | 455.66 | 455.60 | 455.60 | 455.65 | 455.78 | 455.75 | 455.69 | 455.62 | 455.62 | 455.60 | | 455.56 | |
| 31 | | 455.60 | | 456.50 | 456.38 | | 455.68 | | 455.62 | 455.60 | | 455.57 | |
| Mean | 455.60 | 455.61 | 455.61 | 455.70 | 455.76 | 455.85 | 455.75 | 455.66 | 455.63 | 455.60 | 455.60 | 455.58 | |
| Max | 455.77 | 455.80 | 455.70 | 456.50 | 456.38 | 456.70 | 456.06 | 455.70 | 455.65 | 455.61 | 455.60 | 455.59 | 456.70 |
| Min | 455.55 | 455.57 | 455.58 | 455.60 | 455.62 | 455.70 | 455.68 | 455.62 | 455.61 | 455.59 | 455.59 | 455.56 | 455.55 |

Annual Max Momentary Gage Height 456.95 m. (MSL.) , at 06.00 Hours , on Sep 1, 2006

Zero Gage at Bottom Elevation 455.10 m. (MSL.) , River Bed 455.10 m. (MSL.)

Left Bank Elevation 461.90 m. (MSL.) ,

Right Bank Elevation 461.90 m. (MSL.) , Drainage Are 129 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.64 | 0.90 | 0.90 | 0.90 | 8.95 | 23.60 | 3.15 | 2.30 | 1.60 | 1.04 | 0.90 | 0.84 | | |
| 2 | 0.64 | 0.90 | 0.84 | 0.90 | 5.80 | 12.42 | 2.30 | 2.30 | 1.60 | 1.04 | 0.90 | 0.84 | | |
| 3 | 0.64 | 0.77 | 1.18 | 0.90 | 3.15 | 7.27 | 5.44 | 2.30 | 1.60 | 0.90 | 0.90 | 0.84 | | |
| 4 | 0.64 | 0.77 | 1.46 | 0.90 | 2.64 | 5.80 | 2.30 | 2.30 | 1.60 | 0.90 | 0.90 | 0.84 | | |
| 5 | 0.58 | 0.71 | 1.04 | 2.30 | 2.30 | 4.00 | 2.30 | 2.30 | 1.60 | 0.90 | 0.90 | 0.84 | | |
| 6 | 0.58 | 0.71 | 0.90 | 8.32 | 2.02 | 4.36 | 2.30 | 2.30 | 1.46 | 0.90 | 0.90 | 0.84 | | |
| 7 | 0.58 | 0.71 | 0.90 | 3.15 | 1.60 | 4.36 | 2.30 | 2.30 | 1.46 | 0.90 | 0.90 | 0.84 | | |
| 8 | 0.58 | 0.71 | 0.90 | 4.00 | 1.18 | 2.30 | 2.30 | 2.02 | 1.46 | 0.90 | 0.90 | 0.84 | | |
| 9 | 0.58 | 0.71 | 0.90 | 2.02 | 1.18 | 2.30 | 9.16 | 1.88 | 1.46 | 0.90 | 0.90 | 0.84 | | |
| 10 | 0.58 | 0.77 | 0.90 | 2.30 | 1.18 | 3.15 | 5.80 | 1.74 | 1.46 | 0.90 | 0.90 | 0.84 | | |
| 11 | 0.58 | 0.90 | 0.77 | 1.74 | 1.46 | 4.00 | 4.00 | 1.60 | 1.32 | 0.90 | 0.90 | 0.84 | | |
| 12 | 0.64 | 0.77 | 1.74 | 1.32 | 1.18 | 6.22 | 4.54 | 1.60 | 1.32 | 0.84 | 0.90 | 0.84 | | |
| 13 | 0.58 | 0.77 | 0.90 | 1.18 | 1.18 | 4.18 | 4.00 | 1.60 | 1.32 | 0.84 | 0.90 | 0.84 | | |
| 14 | 0.58 | 0.71 | 0.90 | 1.18 | 2.02 | 3.15 | 3.66 | 1.60 | 1.32 | 0.84 | 0.90 | 0.84 | | |
| 15 | 0.58 | 1.18 | 0.84 | 1.04 | 2.02 | 2.30 | 3.32 | 1.60 | 1.32 | 0.84 | 0.90 | 0.84 | | |
| 16 | 2.02 | 0.90 | 0.84 | 0.90 | 2.02 | 2.30 | 3.32 | 1.60 | 1.18 | 0.84 | 0.90 | 0.84 | | |
| 17 | 2.30 | 0.90 | 0.84 | 0.90 | 2.02 | 2.30 | 3.15 | 1.46 | 1.18 | 0.84 | 0.90 | 0.84 | | |
| 18 | 1.60 | 0.90 | 0.84 | 0.90 | 1.74 | 2.64 | 2.98 | 1.46 | 1.04 | 0.84 | 0.90 | 0.84 | | |
| 19 | 0.77 | 0.90 | 0.90 | 1.04 | 1.74 | 5.08 | 2.81 | 1.32 | 1.04 | 0.84 | 0.90 | 0.84 | | |
| 20 | 0.77 | 0.90 | 0.90 | 2.81 | 1.60 | 5.62 | 2.64 | 1.32 | 1.18 | 0.84 | 0.90 | 0.71 | | |
| 21 | 2.16 | 0.90 | 0.90 | 2.30 | 1.60 | 5.26 | 2.64 | 1.32 | 1.18 | 0.84 | 0.90 | 0.71 | | |
| 22 | 1.88 | 0.90 | 0.90 | 1.46 | 1.60 | 9.79 | 2.64 | 1.32 | 1.18 | 0.84 | 0.90 | 0.64 | | |
| 23 | 1.46 | 1.18 | 0.90 | 1.32 | 1.60 | 8.32 | 2.64 | 1.32 | 1.18 | 0.84 | 0.90 | 0.64 | | |
| 24 | 1.46 | 2.64 | 0.90 | 1.18 | 1.60 | 5.44 | 2.64 | 1.32 | 1.32 | 0.84 | 0.90 | 0.64 | | |
| 25 | 0.84 | 2.30 | 0.90 | 1.18 | 4.18 | 4.00 | 2.64 | 1.32 | 1.18 | 0.90 | 0.90 | 0.64 | | |
| 26 | 0.90 | 4.00 | 2.30 | 0.90 | 10.22 | 3.15 | 2.47 | 1.60 | 1.18 | 0.90 | 0.90 | 0.64 | | |
| 27 | 0.90 | 2.81 | 1.18 | 4.36 | 14.63 | 3.15 | 2.47 | 1.74 | 1.18 | 0.90 | 0.84 | 0.64 | | |
| 28 | 3.49 | 1.18 | 0.90 | 4.18 | 7.48 | 3.15 | 2.30 | 1.60 | 1.32 | 0.90 | 0.84 | 0.64 | | |
| 29 | 3.15 | 0.90 | 0.90 | 2.64 | 4.36 | 3.32 | 2.30 | 1.32 | 1.32 | 1.04 | | 0.64 | | |
| 30 | 1.74 | 0.90 | 0.90 | 1.60 | 3.66 | 3.15 | 2.16 | 1.18 | 1.18 | 0.90 | | 0.64 | | |
| 31 | | 0.90 | | 19.00 | 16.24 | | 2.02 | | 1.18 | 0.90 | | 0.71 | | |
| Total | 34.44 | 35.10 | 30.07 | 78.82 | 114.15 | 156.08 | 98.69 | 50.94 | 40.92 | 27.54 | 25.08 | 23.85 | 715.68 | CMSDAY |
| Mean | 1.15 | 1.13 | 1.00 | 2.54 | 3.68 | 5.20 | 3.18 | 1.70 | 1.32 | 0.89 | 0.90 | 0.77 | 1.96 | CMS |
| Max | 3.49 | 4.00 | 2.30 | 19.00 | 16.24 | 23.60 | 9.16 | 2.30 | 1.60 | 1.04 | 0.90 | 0.84 | 23.60 | CMS |
| Min | 0.58 | 0.71 | 0.77 | 0.90 | 1.18 | 2.30 | 2.02 | 1.18 | 1.04 | 0.84 | 0.84 | 0.64 | 0.58 | CMS |
| Runoff | 2.98 | 3.03 | 2.60 | 6.81 | 9.86 | 13.49 | 8.53 | 4.40 | 3.54 | 2.38 | 2.17 | 2.06 | 61.83 | MCM |

Momentary Peak 29.35 CMS. at 456.95 m. (MSL.) at 06.00 Hours , on Sep 1, 2006

Runoff Yield 15.20 Liters/Second/Square KM. Momentary Peak Yield 227.52 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Kuang at Ban Pong, Chiang Mai (P.81)

Lat 18 - 41 - 37 N Long 99 - 04 - 58 E

**Location : on left bank at the bridge on road.**

**Ban** Pong **Amphoe** San Kamphaeng **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 1,190 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +289.919 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the approach of the bridge. **Elevation** +295.749 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2002 to date |
| **Rating Operation** | |
| **Period of Rating** | 2002 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2002 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 39 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

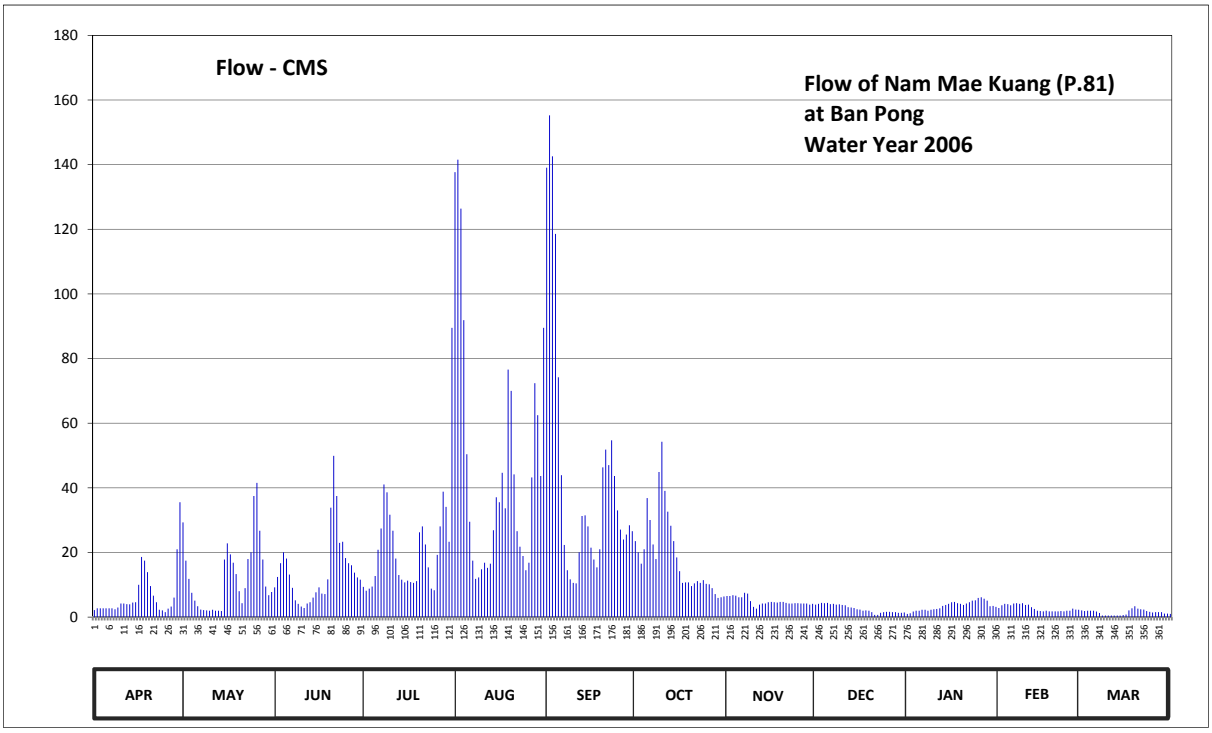
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 290.94 | 292.84 | 291.57 | 291.58 | 296.26 | 296.30 | 292.50 | 291.36 | 291.12 | 290.81 | 291.01 | 290.93 | |
| 2 | 291.00 | 292.13 | 291.80 | 291.49 | 296.37 | 296.57 | 292.29 | 291.36 | 291.15 | 290.83 | 291.10 | 290.91 | |
| 3 | 291.00 | 291.76 | 292.08 | 291.54 | 296.03 | 296.40 | 292.07 | 291.38 | 291.18 | 290.89 | 291.15 | 290.92 | |
| 4 | 291.00 | 291.44 | 292.29 | 291.59 | 295.23 | 295.87 | 292.35 | 291.37 | 291.17 | 290.92 | 291.14 | 290.92 | |
| 5 | 291.00 | 291.24 | 292.17 | 291.82 | 293.80 | 294.66 | 293.22 | 291.33 | 291.18 | 290.92 | 291.10 | 290.92 | |
| 6 | 291.00 | 291.07 | 291.85 | 292.34 | 292.85 | 293.53 | 292.88 | 291.33 | 291.14 | 290.95 | 291.16 | 290.89 | |
| 7 | 291.00 | 290.96 | 291.56 | 292.73 | 292.13 | 292.43 | 292.44 | 291.44 | 291.15 | 290.95 | 291.17 | 290.84 | |
| 8 | 290.97 | 290.94 | 291.25 | 293.41 | 291.76 | 291.94 | 292.16 | 291.42 | 291.12 | 290.92 | 291.15 | 290.72 | |
| 9 | 291.03 | 290.93 | 291.15 | 293.30 | 291.79 | 291.75 | 293.57 | 291.23 | 291.13 | 290.95 | 291.17 | 290.72 | |
| 10 | 291.16 | 290.92 | 291.06 | 292.97 | 291.96 | 291.67 | 293.96 | 291.05 | 291.11 | 290.97 | 291.11 | 290.72 | |
| 11 | 291.16 | 290.95 | 291.01 | 292.69 | 292.09 | 291.66 | 293.32 | 290.99 | 291.10 | 290.98 | 291.12 | 290.72 | |
| 12 | 291.14 | 290.92 | 291.16 | 292.17 | 291.99 | 292.29 | 293.02 | 291.12 | 291.04 | 291.00 | 291.04 | 290.72 | |
| 13 | 291.13 | 290.92 | 291.20 | 291.84 | 292.07 | 292.95 | 292.78 | 291.16 | 291.03 | 291.08 | 290.98 | 290.72 | |
| 14 | 291.19 | 290.91 | 291.32 | 291.74 | 292.70 | 292.96 | 292.50 | 291.16 | 291.01 | 291.11 | 290.92 | 290.72 | |
| 15 | 291.20 | 292.15 | 291.45 | 291.68 | 293.23 | 292.77 | 292.19 | 291.20 | 290.97 | 291.15 | 290.91 | 290.75 | |
| 16 | 291.63 | 292.46 | 291.57 | 291.72 | 293.16 | 292.38 | 291.92 | 291.21 | 290.96 | 291.20 | 290.90 | 290.78 | |
| 17 | 292.20 | 292.25 | 291.42 | 291.69 | 293.56 | 292.15 | 291.67 | 291.20 | 290.92 | 291.21 | 290.92 | 290.93 | |
| 18 | 292.13 | 292.09 | 291.41 | 291.67 | 293.07 | 292.00 | 291.68 | 291.19 | 290.93 | 291.17 | 290.90 | 291.00 | |
| 19 | 291.90 | 291.86 | 291.75 | 291.71 | 294.74 | 292.35 | 291.68 | 291.21 | 290.92 | 291.15 | 290.90 | 291.07 | |
| 20 | 291.60 | 291.48 | 293.08 | 292.66 | 294.52 | 293.63 | 291.60 | 291.21 | 290.87 | 291.11 | 290.90 | 290.99 | |
| 21 | 291.37 | 291.17 | 293.78 | 292.77 | 293.54 | 293.86 | 291.66 | 291.18 | 290.76 | 291.16 | 290.90 | 290.97 | |
| 22 | 291.20 | 291.55 | 293.25 | 292.44 | 292.68 | 293.66 | 291.71 | 291.16 | 290.76 | 291.20 | 290.91 | 290.96 | |
| 23 | 290.95 | 292.16 | 292.47 | 292.00 | 292.40 | 293.98 | 291.67 | 291.16 | 290.85 | 291.24 | 290.90 | 290.91 | |
| 24 | 290.93 | 292.29 | 292.49 | 291.54 | 292.22 | 293.52 | 291.73 | 291.17 | 290.87 | 291.25 | 290.92 | 290.88 | |
| 25 | 290.87 | 293.25 | 292.18 | 291.50 | 291.94 | 293.04 | 291.65 | 291.17 | 290.88 | 291.31 | 290.92 | 290.86 | |
| 26 | 290.99 | 293.43 | 292.08 | 292.24 | 292.09 | 292.71 | 291.64 | 291.16 | 290.88 | 291.33 | 290.99 | 290.87 | |
| 27 | 291.06 | 292.69 | 292.04 | 292.77 | 293.50 | 292.53 | 291.55 | 291.16 | 290.87 | 291.29 | 290.96 | 290.87 | |
| 28 | 291.32 | 292.15 | 291.89 | 293.31 | 294.60 | 292.62 | 291.41 | 291.16 | 290.87 | 291.24 | 290.95 | 290.87 | |
| 29 | 292.35 | 291.59 | 291.79 | 293.09 | 294.26 | 292.79 | 291.31 | 291.12 | 290.85 | 291.07 | | 290.82 | |
| 30 | 293.16 | 291.38 | 291.74 | 292.49 | 293.52 | 292.68 | 291.33 | 291.15 | 290.85 | 291.08 | | 290.82 | |
| 31 | | 291.46 | | 295.16 | 295.16 | | 291.35 | | 290.86 | 291.05 | | 290.81 | |
| Mean | 291.32 | 291.72 | 291.86 | 292.31 | 293.39 | 293.26 | 292.16 | 291.22 | 290.98 | 291.08 | 291.01 | 290.86 | |
| Max | 293.16 | 293.43 | 293.78 | 295.16 | 296.37 | 296.57 | 293.96 | 291.44 | 291.18 | 291.33 | 291.17 | 291.07 | 296.57 |
| Min | 290.87 | 290.91 | 291.01 | 291.49 | 291.76 | 291.66 | 291.31 | 290.99 | 290.76 | 290.81 | 290.90 | 290.72 | 290.72 |

Annual Max Momentary Gage Height 296.62 m. (MSL.) , at 04.00 Hours , on Sep 2, 2006

Zero Gage at Bottom Elevation 289.92 m. (MSL.) , River Bed 290.11 m. (MSL.)

Left Bank Elevation 296.85 m. (MSL.) ,

Right Bank Elevation 296.85 m. (MSL.) , Drainage Are 1,190 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.16 | 29.32 | 9.21 | 9.34 | 137.70 | 139.10 | 23.50 | 6.52 | 3.84 | 0.99 | 2.80 | 2.07 | | |
| 2 | 2.70 | 17.48 | 12.40 | 8.17 | 141.55 | 155.27 | 20.04 | 6.52 | 4.13 | 1.17 | 3.65 | 1.89 | | |
| 3 | 2.70 | 11.84 | 16.68 | 8.82 | 126.42 | 142.60 | 16.52 | 6.76 | 4.41 | 1.71 | 4.13 | 1.98 | | |
| 4 | 2.70 | 7.52 | 20.04 | 9.47 | 91.88 | 118.56 | 21.00 | 6.64 | 4.32 | 1.98 | 4.03 | 1.98 | | |
| 5 | 2.70 | 5.08 | 18.12 | 12.70 | 50.40 | 74.20 | 36.84 | 6.16 | 4.41 | 1.98 | 3.65 | 1.98 | | |
| 6 | 2.70 | 3.37 | 13.15 | 20.84 | 29.50 | 43.92 | 30.04 | 6.16 | 4.03 | 2.25 | 4.22 | 1.71 | | |
| 7 | 2.70 | 2.34 | 9.08 | 27.41 | 17.48 | 22.31 | 22.48 | 7.52 | 4.13 | 2.25 | 4.32 | 1.26 | | |
| 8 | 2.43 | 2.16 | 5.20 | 41.04 | 11.84 | 14.50 | 17.96 | 7.26 | 3.84 | 1.98 | 4.13 | 0.50 | | |
| 9 | 2.99 | 2.07 | 4.13 | 38.60 | 12.26 | 11.70 | 44.88 | 4.96 | 3.94 | 2.25 | 4.32 | 0.50 | | |
| 10 | 4.22 | 1.98 | 3.27 | 31.66 | 14.80 | 10.58 | 54.24 | 3.18 | 3.75 | 2.43 | 3.75 | 0.50 | | |
| 11 | 4.22 | 2.25 | 2.80 | 26.73 | 16.84 | 10.44 | 39.04 | 2.61 | 3.65 | 2.52 | 3.84 | 0.50 | | |
| 12 | 4.03 | 1.98 | 4.22 | 18.12 | 15.25 | 20.04 | 32.62 | 3.84 | 3.08 | 2.70 | 3.08 | 0.50 | | |
| 13 | 3.94 | 1.98 | 4.60 | 13.00 | 16.52 | 31.30 | 28.26 | 4.22 | 2.99 | 3.46 | 2.52 | 0.50 | | |
| 14 | 4.51 | 1.89 | 6.04 | 11.56 | 26.90 | 31.48 | 23.50 | 4.22 | 2.80 | 3.75 | 1.98 | 0.50 | | |
| 15 | 4.60 | 17.80 | 7.65 | 10.72 | 37.06 | 28.09 | 18.44 | 4.60 | 2.43 | 4.13 | 1.89 | 0.65 | | |
| 16 | 10.02 | 22.82 | 9.21 | 11.28 | 35.56 | 21.48 | 14.20 | 4.72 | 2.34 | 4.60 | 1.80 | 0.80 | | |
| 17 | 18.60 | 19.40 | 7.26 | 10.86 | 44.64 | 17.80 | 10.58 | 4.60 | 1.98 | 4.72 | 1.98 | 2.07 | | |
| 18 | 17.48 | 16.84 | 7.13 | 10.58 | 33.67 | 15.40 | 10.72 | 4.51 | 2.07 | 4.32 | 1.80 | 2.70 | | |
| 19 | 13.90 | 13.30 | 11.70 | 11.14 | 76.60 | 21.00 | 10.72 | 4.72 | 1.98 | 4.13 | 1.80 | 3.37 | | |
| 20 | 9.60 | 8.04 | 33.88 | 26.22 | 70.00 | 46.32 | 9.60 | 4.72 | 1.53 | 3.75 | 1.80 | 2.61 | | |
| 21 | 6.64 | 4.32 | 49.92 | 28.09 | 44.16 | 51.84 | 10.44 | 4.41 | 0.70 | 4.22 | 1.80 | 2.43 | | |
| 22 | 4.60 | 8.95 | 37.50 | 22.48 | 26.56 | 47.04 | 11.14 | 4.22 | 0.70 | 4.60 | 1.89 | 2.34 | | |
| 23 | 2.25 | 17.96 | 22.99 | 15.40 | 21.80 | 54.72 | 10.58 | 4.22 | 1.35 | 5.08 | 1.80 | 1.89 | | |
| 24 | 2.07 | 20.04 | 23.33 | 8.82 | 18.92 | 43.68 | 11.42 | 4.32 | 1.53 | 5.20 | 1.98 | 1.62 | | |
| 25 | 1.53 | 37.50 | 18.28 | 8.30 | 14.50 | 33.04 | 10.30 | 4.32 | 1.62 | 5.92 | 1.98 | 1.44 | | |
| 26 | 2.61 | 41.52 | 16.68 | 19.24 | 16.84 | 27.07 | 10.16 | 4.22 | 1.62 | 6.16 | 2.61 | 1.53 | | |
| 27 | 3.27 | 26.73 | 16.04 | 28.09 | 43.20 | 24.01 | 8.95 | 4.22 | 1.53 | 5.68 | 2.34 | 1.53 | | |
| 28 | 6.04 | 17.80 | 13.75 | 38.82 | 72.40 | 25.54 | 7.13 | 4.22 | 1.53 | 5.08 | 2.25 | 1.53 | | |
| 29 | 21.00 | 9.47 | 12.26 | 34.09 | 62.48 | 28.43 | 5.92 | 3.84 | 1.35 | 3.37 | | 1.08 | | |
| 30 | 35.56 | 6.76 | 11.56 | 23.33 | 43.68 | 26.56 | 6.16 | 4.13 | 1.35 | 3.46 | | 1.08 | | |
| 31 | | 7.78 | | 89.52 | 89.52 | | 6.40 | | 1.44 | 3.18 | | 0.99 | | |
| Total | 204.47 | 388.29 | 428.08 | 674.44 | 1460.93 | 1338.02 | 583.78 | 146.56 | 80.37 | 109.02 | 78.14 | 46.03 | 5538.13 | CMSDAY |
| Mean | 6.82 | 12.53 | 14.27 | 21.76 | 47.13 | 44.60 | 18.83 | 4.89 | 2.59 | 3.52 | 2.79 | 1.48 | 15.17 | CMS |
| Max | 35.56 | 41.52 | 49.92 | 89.52 | 141.55 | 155.27 | 54.24 | 7.52 | 4.41 | 6.16 | 4.32 | 3.37 | 155.27 | CMS |
| Min | 1.53 | 1.89 | 2.80 | 8.17 | 11.84 | 10.44 | 5.92 | 2.61 | 0.70 | 0.99 | 1.80 | 0.50 | 0.50 | CMS |
| Runoff | 17.67 | 33.55 | 36.99 | 58.27 | 126.22 | 115.60 | 50.44 | 12.66 | 6.94 | 9.42 | 6.75 | 3.98 | 478.49 | MCM |

Momentary Peak 158.99 CMS. at 296.62 m. (MSL.) at 04.00 Hours , on Sep 2, 2006

Runoff Yield 12.75 Liters/Second/Square KM. Momentary Peak Yield 133.61 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Wang at Ban Sop Win , Chiang Mai (P.82)

Lat 18 - 39 - 06 N Long 98 - 41 - 23 E

**Location : on left bank at Ban Sop Win.**

| | | | |
|---|---|---|---|
| | **Ban** Sop Win | **Amphoe** Mae Wang | **Changwat** Chiang Mai |
| **Drainge Area** | 389 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +396.830 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 5.00 meters from the top staff gage. | **Elevation** +403.390 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 148 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

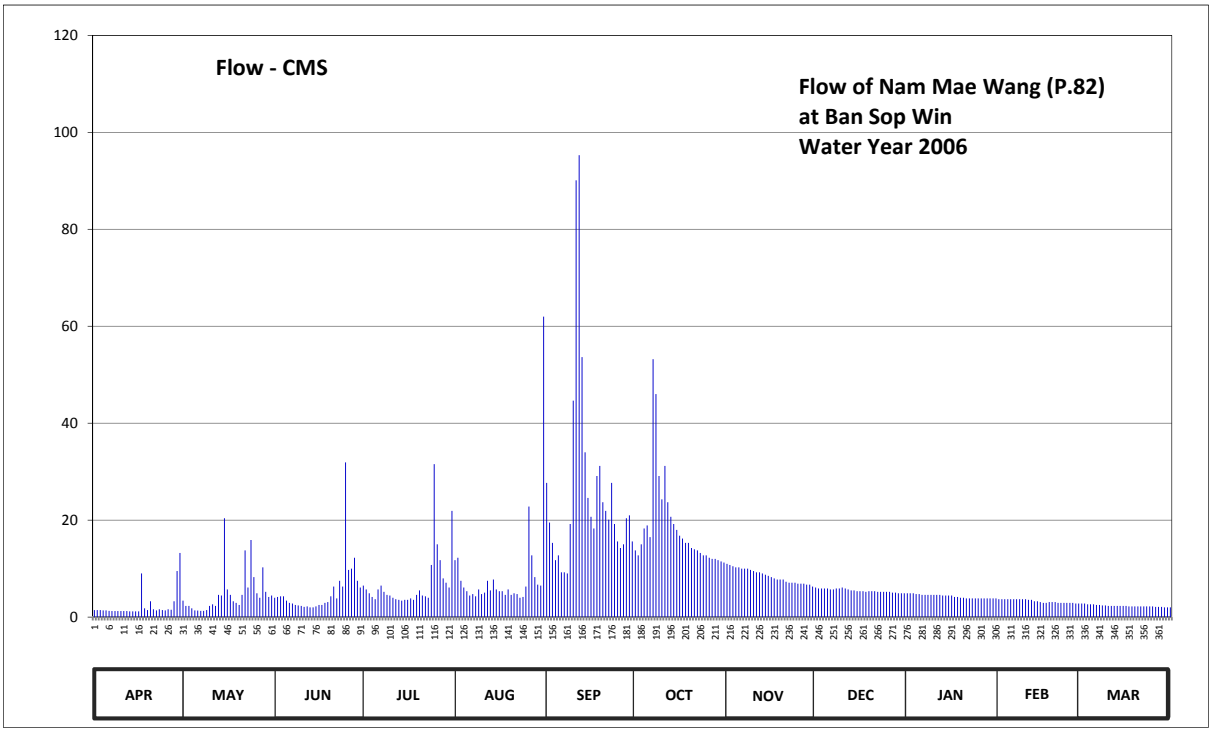
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 397.69 | 397.86 | 397.90 | 398.05 | 398.27 | 398.82 | 398.35 | 398.24 | 398.03 | 397.96 | 397.88 | 397.82 | |
| 2 | 397.69 | 397.78 | 397.91 | 398.01 | 398.29 | 398.55 | 398.31 | 398.23 | 398.02 | 397.96 | 397.88 | 397.82 | |
| 3 | 397.69 | 397.78 | 397.92 | 397.96 | 398.10 | 398.41 | 398.40 | 398.22 | 398.02 | 397.96 | 397.88 | 397.81 | |
| 4 | 397.68 | 397.73 | 397.92 | 397.91 | 398.03 | 398.27 | 398.51 | 398.21 | 398.02 | 397.95 | 397.88 | 397.81 | |
| 5 | 397.68 | 397.68 | 397.86 | 397.88 | 397.99 | 398.31 | 398.53 | 398.21 | 398.02 | 397.95 | 397.88 | 397.81 | |
| 6 | 397.66 | 397.67 | 397.83 | 398.01 | 397.93 | 398.17 | 398.45 | 398.20 | 398.01 | 397.94 | 397.88 | 397.80 | |
| 7 | 397.65 | 397.66 | 397.82 | 398.05 | 397.95 | 398.17 | 399.46 | 398.20 | 398.01 | 397.94 | 397.88 | 397.80 | |
| 8 | 397.65 | 397.66 | 397.80 | 397.98 | 397.92 | 398.16 | 399.30 | 398.20 | 398.02 | 397.94 | 397.88 | 397.79 | |
| 9 | 397.65 | 397.69 | 397.79 | 397.94 | 398.01 | 398.54 | 398.86 | 398.19 | 398.02 | 397.94 | 397.88 | 397.79 | |
| 10 | 397.65 | 397.78 | 397.78 | 397.93 | 397.95 | 399.27 | 398.71 | 398.18 | 398.03 | 397.94 | 397.88 | 397.78 | |
| 11 | 397.65 | 397.81 | 397.76 | 397.90 | 397.97 | 400.14 | 398.92 | 398.17 | 398.02 | 397.94 | 397.87 | 397.78 | |
| 12 | 397.65 | 397.78 | 397.77 | 397.88 | 398.10 | 400.22 | 398.69 | 398.17 | 398.01 | 397.94 | 397.87 | 397.78 | |
| 13 | 397.64 | 397.94 | 397.75 | 397.87 | 398.00 | 399.47 | 398.59 | 398.16 | 398.00 | 397.93 | 397.85 | 397.78 | |
| 14 | 397.64 | 397.93 | 397.75 | 397.86 | 398.11 | 399.00 | 398.54 | 398.15 | 398.00 | 397.93 | 397.85 | 397.78 | |
| 15 | 397.64 | 398.58 | 397.77 | 397.87 | 398.01 | 398.72 | 398.50 | 398.14 | 397.99 | 397.93 | 397.84 | 397.78 | |
| 16 | 397.64 | 398.01 | 397.80 | 397.87 | 397.99 | 398.59 | 398.46 | 398.13 | 397.99 | 397.93 | 397.83 | 397.78 | |
| 17 | 398.16 | 397.94 | 397.80 | 397.89 | 397.99 | 398.51 | 398.44 | 398.12 | 397.99 | 397.91 | 397.83 | 397.77 | |
| 18 | 397.73 | 397.85 | 397.83 | 397.87 | 397.94 | 398.86 | 398.41 | 398.11 | 397.98 | 397.91 | 397.84 | 397.77 | |
| 19 | 397.69 | 397.83 | 397.84 | 397.94 | 398.01 | 398.92 | 398.41 | 398.11 | 397.99 | 397.90 | 397.84 | 397.77 | |
| 20 | 397.85 | 397.80 | 397.92 | 398.00 | 397.94 | 398.69 | 398.37 | 398.11 | 397.99 | 397.90 | 397.84 | 397.77 | |
| 21 | 397.71 | 397.94 | 398.04 | 397.93 | 397.96 | 398.63 | 398.36 | 398.09 | 397.99 | 397.89 | 397.83 | 397.77 | |
| 22 | 397.68 | 398.35 | 397.89 | 397.92 | 397.95 | 398.57 | 398.35 | 398.08 | 397.98 | 397.89 | 397.83 | 397.77 | |
| 23 | 397.71 | 398.03 | 398.10 | 397.90 | 397.90 | 398.82 | 398.33 | 398.08 | 397.98 | 397.89 | 397.83 | 397.77 | |
| 24 | 397.69 | 398.43 | 398.04 | 398.23 | 397.91 | 398.54 | 398.31 | 398.08 | 397.98 | 397.89 | 397.83 | 397.77 | |
| 25 | 397.68 | 398.13 | 398.94 | 398.93 | 398.04 | 398.42 | 398.31 | 398.07 | 397.98 | 397.89 | 397.83 | 397.77 | |
| 26 | 397.71 | 397.96 | 398.19 | 398.40 | 398.66 | 398.37 | 398.29 | 398.07 | 397.98 | 397.89 | 397.83 | 397.76 | |
| 27 | 397.70 | 397.90 | 398.20 | 398.27 | 398.31 | 398.40 | 398.28 | 398.07 | 397.97 | 397.89 | 397.82 | 397.76 | |
| 28 | 397.85 | 398.21 | 398.29 | 398.12 | 398.13 | 398.58 | 398.28 | 398.06 | 397.97 | 397.89 | 397.82 | 397.76 | |
| 29 | 398.18 | 397.98 | 398.10 | 398.08 | 398.06 | 398.60 | 398.27 | 398.06 | 397.96 | 397.89 | | 397.75 | |
| 30 | 398.33 | 397.91 | 398.03 | 398.03 | 398.05 | 398.42 | 398.26 | 398.04 | 397.96 | 397.89 | | 397.75 | |
| 31 | | 397.93 | | 398.63 | 399.64 | | 398.25 | | 397.96 | 397.89 | | 397.75 | |
| Mean | 397.74 | 397.92 | 397.94 | 398.04 | 398.10 | 398.70 | 398.50 | 398.14 | 398.00 | 397.92 | 397.85 | 397.78 | |
| Max | 398.33 | 398.58 | 398.94 | 398.93 | 399.64 | 400.22 | 399.46 | 398.24 | 398.03 | 397.96 | 397.88 | 397.82 | 400.22 |
| Min | 397.64 | 397.66 | 397.75 | 397.86 | 397.90 | 398.16 | 398.25 | 398.04 | 397.96 | 397.89 | 397.82 | 397.75 | 397.64 |

Annual Max Momentary Gage Height 400.96 m. (MSL.) , at 23.00 Hours , on Sep 10, 2006

Zero Gage at Bottom Elevation 396.83 m. (MSL.) , River Bed 397.24 m. (MSL.)

Left Bank Elevation 402.62 m. (MSL.) ,

Right Bank Elevation 402.50 m. (MSL.) , Drainage Are 389 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.45 | 3.40 | 4.00 | 6.50 | 11.75 | 27.70 | 13.75 | 11.00 | 6.10 | 4.90 | 3.70 | 2.80 | | |
| 2 | 1.45 | 2.30 | 4.15 | 5.70 | 12.25 | 19.50 | 12.75 | 10.75 | 5.90 | 4.90 | 3.70 | 2.80 | | |
| 3 | 1.45 | 2.30 | 4.30 | 4.90 | 7.50 | 15.30 | 15.00 | 10.50 | 5.90 | 4.90 | 3.70 | 2.65 | | |
| 4 | 1.40 | 1.80 | 4.30 | 4.15 | 6.10 | 11.75 | 18.30 | 10.25 | 5.90 | 4.75 | 3.70 | 2.65 | | |
| 5 | 1.40 | 1.40 | 3.40 | 3.70 | 5.35 | 12.75 | 18.90 | 10.25 | 5.90 | 4.75 | 3.70 | 2.65 | | |
| 6 | 1.30 | 1.35 | 2.95 | 5.70 | 4.45 | 9.25 | 16.50 | 10.00 | 5.70 | 4.60 | 3.70 | 2.50 | | |
| 7 | 1.25 | 1.30 | 2.80 | 6.50 | 4.75 | 9.25 | 53.20 | 10.00 | 5.70 | 4.60 | 3.70 | 2.50 | | |
| 8 | 1.25 | 1.30 | 2.50 | 5.20 | 4.30 | 9.00 | 46.00 | 10.00 | 5.90 | 4.60 | 3.70 | 2.40 | | |
| 9 | 1.25 | 1.45 | 2.40 | 4.60 | 5.70 | 19.20 | 29.10 | 9.75 | 5.90 | 4.60 | 3.70 | 2.40 | | |
| 10 | 1.25 | 2.30 | 2.30 | 4.45 | 4.75 | 44.65 | 24.30 | 9.50 | 6.10 | 4.60 | 3.70 | 2.30 | | |
| 11 | 1.25 | 2.65 | 2.10 | 4.00 | 5.05 | 90.10 | 31.20 | 9.25 | 5.90 | 4.60 | 3.55 | 2.30 | | |
| 12 | 1.25 | 2.30 | 2.20 | 3.70 | 7.50 | 95.30 | 23.70 | 9.25 | 5.70 | 4.60 | 3.55 | 2.30 | | |
| 13 | 1.20 | 4.60 | 2.00 | 3.55 | 5.50 | 53.65 | 20.70 | 9.00 | 5.50 | 4.45 | 3.25 | 2.30 | | |
| 14 | 1.20 | 4.45 | 2.00 | 3.40 | 7.75 | 34.00 | 19.20 | 8.75 | 5.50 | 4.45 | 3.25 | 2.30 | | |
| 15 | 1.20 | 20.40 | 2.20 | 3.55 | 5.70 | 24.60 | 18.00 | 8.50 | 5.35 | 4.45 | 3.10 | 2.30 | | |
| 16 | 1.20 | 5.70 | 2.50 | 3.55 | 5.35 | 20.70 | 16.80 | 8.25 | 5.35 | 4.45 | 2.95 | 2.30 | | |
| 17 | 9.00 | 4.60 | 2.50 | 3.85 | 5.35 | 18.30 | 16.20 | 8.00 | 5.35 | 4.15 | 2.95 | 2.20 | | |
| 18 | 1.80 | 3.25 | 2.95 | 3.55 | 4.60 | 29.10 | 15.30 | 7.75 | 5.20 | 4.15 | 3.10 | 2.20 | | |
| 19 | 1.45 | 2.95 | 3.10 | 4.60 | 5.70 | 31.20 | 15.30 | 7.75 | 5.35 | 4.00 | 3.10 | 2.20 | | |
| 20 | 3.25 | 2.50 | 4.30 | 5.50 | 4.60 | 23.70 | 14.25 | 7.75 | 5.35 | 4.00 | 3.10 | 2.20 | | |
| 21 | 1.60 | 4.60 | 6.30 | 4.45 | 4.90 | 21.90 | 14.00 | 7.30 | 5.35 | 3.85 | 2.95 | 2.20 | | |
| 22 | 1.40 | 13.75 | 3.85 | 4.30 | 4.75 | 20.10 | 13.75 | 7.10 | 5.20 | 3.85 | 2.95 | 2.20 | | |
| 23 | 1.60 | 6.10 | 7.50 | 4.00 | 4.00 | 27.70 | 13.25 | 7.10 | 5.20 | 3.85 | 2.95 | 2.20 | | |
| 24 | 1.45 | 15.90 | 6.30 | 10.75 | 4.15 | 19.20 | 12.75 | 7.10 | 5.20 | 3.85 | 2.95 | 2.20 | | |
| 25 | 1.40 | 8.25 | 31.90 | 31.55 | 6.30 | 15.60 | 12.75 | 6.90 | 5.20 | 3.85 | 2.95 | 2.20 | | |
| 26 | 1.60 | 4.90 | 9.75 | 15.00 | 22.80 | 14.25 | 12.25 | 6.90 | 5.20 | 3.85 | 2.95 | 2.10 | | |
| 27 | 1.50 | 4.00 | 10.00 | 11.75 | 12.75 | 15.00 | 12.00 | 6.90 | 5.05 | 3.85 | 2.80 | 2.10 | | |
| 28 | 3.25 | 10.25 | 12.25 | 8.00 | 8.25 | 20.40 | 12.00 | 6.70 | 5.05 | 3.85 | 2.80 | 2.10 | | |
| 29 | 9.50 | 5.20 | 7.50 | 7.10 | 6.70 | 21.00 | 11.75 | 6.70 | 4.90 | 3.85 | | 2.00 | | |
| 30 | 13.25 | 4.15 | 6.10 | 6.10 | 6.50 | 15.60 | 11.50 | 6.30 | 4.90 | 3.85 | | 2.00 | | |
| 31 | | 4.45 | | 21.90 | 62.00 | | 11.25 | | 4.90 | 3.85 | | 2.00 | | |
| Total | 72.80 | 153.85 | 160.40 | 215.55 | 267.10 | 789.75 | 575.70 | 255.25 | 169.70 | 132.85 | 92.20 | 71.55 | 2956.70 | CMSDAY |
| Mean | 2.43 | 4.96 | 5.35 | 6.95 | 8.62 | 26.33 | 18.57 | 8.51 | 5.47 | 4.29 | 3.29 | 2.31 | 8.10 | CMS |
| Max | 13.25 | 20.40 | 31.90 | 31.55 | 62.00 | 95.30 | 53.20 | 11.00 | 6.10 | 4.90 | 3.70 | 2.80 | 95.30 | CMS |
| Min | 1.20 | 1.30 | 2.00 | 3.40 | 4.00 | 9.00 | 11.25 | 6.30 | 4.90 | 3.85 | 2.80 | 2.00 | 1.20 | CMS |
| Runoff | 6.29 | 13.29 | 13.86 | 18.62 | 23.08 | 68.23 | 49.74 | 22.05 | 14.66 | 11.48 | 7.97 | 6.18 | 255.46 | MCM |

Momentary Peak 151.10 CMS. at 400.96 m. (MSL.) at 23.00 Hours , on Sep 10, 2006

Runoff Yield 20.82 Liters/Second/Square KM. Momentary Peak Yield 388.43 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Wang at Ban Phan Ton , Chiang Mai (P.84)

Lat 18 - 35 - 19 N Long 98 - 47 - 58 E

**Location : on left bank at Ban Phan Ton.**

**Ban** Phan Ton **Amphoe** Mae Wang **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 491 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +303.240 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +309.240 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2003 to date |
| **Rating Operation** | |
| **Period of Rating** | 2003 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2003 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair.Stage-discharge relation defined by 52 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

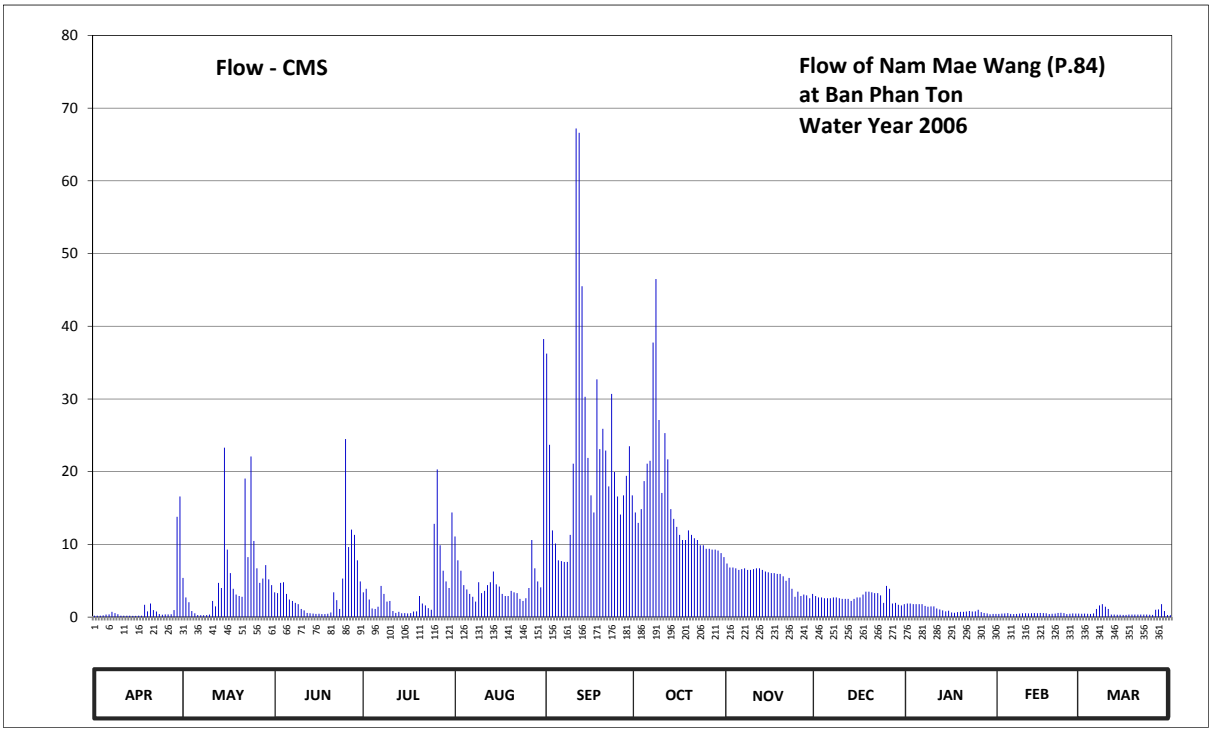
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 303.59 | 304.49 | 304.29 | 304.29 | 304.99 | 306.37 | 305.24 | 304.67 | 304.24 | 304.13 | 303.82 | 303.83 | |
| 2 | 303.59 | 304.22 | 304.28 | 304.34 | 304.71 | 305.76 | 305.14 | 304.62 | 304.22 | 304.13 | 303.84 | 303.84 | |
| 3 | 303.59 | 304.15 | 304.42 | 304.19 | 304.58 | 305.06 | 305.27 | 304.62 | 304.22 | 304.12 | 303.85 | 303.83 | |
| 4 | 303.65 | 303.96 | 304.43 | 304.03 | 304.39 | 304.91 | 305.50 | 304.61 | 304.21 | 304.12 | 303.87 | 303.82 | |
| 5 | 303.75 | 303.86 | 304.27 | 304.02 | 304.33 | 304.71 | 305.63 | 304.59 | 304.21 | 304.12 | 303.82 | 303.85 | |
| 6 | 303.78 | 303.69 | 304.19 | 304.07 | 304.27 | 304.70 | 305.65 | 304.60 | 304.21 | 304.12 | 303.81 | 304.02 | |
| 7 | 303.93 | 303.66 | 304.17 | 304.38 | 304.23 | 304.69 | 306.43 | 304.61 | 304.22 | 304.09 | 303.82 | 304.10 | |
| 8 | 303.87 | 303.67 | 304.14 | 304.27 | 304.16 | 304.69 | 306.78 | 304.59 | 304.22 | 304.07 | 303.84 | 304.12 | |
| 9 | 303.79 | 303.69 | 304.12 | 304.16 | 304.43 | 305.01 | 305.93 | 304.59 | 304.21 | 304.08 | 303.86 | 304.07 | |
| 10 | 303.60 | 303.74 | 304.02 | 304.17 | 304.28 | 305.63 | 305.41 | 304.60 | 304.20 | 304.08 | 303.86 | 304.02 | |
| 11 | 303.60 | 304.17 | 303.98 | 303.96 | 304.31 | 307.49 | 305.84 | 304.61 | 304.20 | 304.03 | 303.85 | 303.75 | |
| 12 | 303.59 | 304.08 | 303.89 | 303.89 | 304.39 | 307.47 | 305.66 | 304.61 | 304.20 | 304.01 | 303.86 | 303.75 | |
| 13 | 303.59 | 304.42 | 303.86 | 303.93 | 304.43 | 306.74 | 305.27 | 304.59 | 304.17 | 303.98 | 303.87 | 303.73 | |
| 14 | 303.58 | 304.35 | 303.84 | 303.86 | 304.57 | 306.09 | 305.18 | 304.57 | 304.20 | 303.95 | 303.86 | 303.73 | |
| 15 | 303.58 | 305.74 | 303.82 | 303.87 | 304.40 | 305.67 | 305.10 | 304.56 | 304.22 | 303.97 | 303.88 | 303.71 | |
| 16 | 303.59 | 304.84 | 303.83 | 303.85 | 304.37 | 305.39 | 305.01 | 304.55 | 304.22 | 303.91 | 303.87 | 303.70 | |
| 17 | 303.59 | 304.55 | 303.81 | 303.87 | 304.27 | 305.24 | 304.95 | 304.55 | 304.26 | 303.90 | 303.86 | 303.75 | |
| 18 | 304.11 | 304.34 | 303.81 | 303.94 | 304.24 | 306.21 | 304.95 | 304.54 | 304.30 | 303.92 | 303.81 | 303.76 | |
| 19 | 303.95 | 304.26 | 303.83 | 303.95 | 304.24 | 305.73 | 305.06 | 304.54 | 304.30 | 303.93 | 303.83 | 303.74 | |
| 20 | 304.13 | 304.24 | 303.91 | 304.24 | 304.31 | 305.87 | 305.01 | 304.51 | 304.29 | 303.93 | 303.84 | 303.75 | |
| 21 | 303.99 | 304.23 | 304.29 | 304.13 | 304.29 | 305.72 | 304.97 | 304.45 | 304.28 | 303.94 | 303.88 | 303.74 | |
| 22 | 303.94 | 305.52 | 304.18 | 304.10 | 304.28 | 305.46 | 304.95 | 304.49 | 304.28 | 303.96 | 303.90 | 303.75 | |
| 23 | 303.81 | 304.75 | 304.02 | 304.04 | 304.20 | 306.11 | 304.89 | 304.34 | 304.25 | 303.94 | 303.87 | 303.75 | |
| 24 | 303.72 | 305.68 | 304.48 | 304.00 | 304.17 | 305.57 | 304.89 | 304.23 | 304.14 | 303.95 | 303.81 | 303.72 | |
| 25 | 303.77 | 304.94 | 305.80 | 305.13 | 304.21 | 305.38 | 304.85 | 304.30 | 304.38 | 304.00 | 303.83 | 303.71 | |
| 26 | 303.77 | 304.61 | 304.87 | 305.59 | 304.35 | 305.22 | 304.85 | 304.24 | 304.34 | 303.92 | 303.85 | 304.00 | |
| 27 | 303.79 | 304.42 | 305.07 | 304.89 | 304.95 | 305.39 | 304.84 | 304.26 | 304.13 | 303.88 | 303.84 | 304.01 | |
| 28 | 303.99 | 304.48 | 305.01 | 304.58 | 304.61 | 305.54 | 304.84 | 304.25 | 304.14 | 303.85 | 303.84 | 304.12 | |
| 29 | 305.20 | 304.65 | 304.71 | 304.44 | 304.44 | 305.75 | 304.83 | 304.21 | 304.11 | 303.80 | | 303.96 | |
| 30 | 305.38 | 304.47 | 304.44 | 304.35 | 304.36 | 305.39 | 304.80 | 304.27 | 304.10 | 303.82 | | 303.68 | |
| 31 | | 304.39 | | 305.24 | 306.45 | | 304.75 | | 304.12 | 303.82 | | 303.67 | |
| Mean | 303.86 | 304.40 | 304.26 | 304.25 | 304.46 | 305.63 | 305.24 | 304.49 | 304.22 | 303.98 | 303.85 | 303.84 | |
| Max | 305.38 | 305.74 | 305.80 | 305.59 | 306.45 | 307.49 | 306.78 | 304.67 | 304.38 | 304.13 | 303.90 | 304.12 | 307.49 |
| Min | 303.58 | 303.66 | 303.81 | 303.85 | 304.16 | 304.69 | 304.75 | 304.21 | 304.10 | 303.80 | 303.81 | 303.67 | 303.58 |

Annual Max Momentary Gage Height 307.99 m. (MSL.) , at 11.00 Hours , on Sep 11, 2006

Zero Gage at Bottom Elevation 303.24 m. (MSL.) , River Bed 303.27 m. (MSL.)

Left Bank Elevation 309.03 m. (MSL.) ,

Right Bank Elevation 309.01 m. (MSL.) , Drainage Are 491 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.19 | 5.40 | 3.40 | 3.40 | 11.08 | 36.25 | 14.40 | 7.37 | 2.90 | 1.87 | 0.44 | 0.46 | | |
| 2 | 0.19 | 2.70 | 3.30 | 3.90 | 7.81 | 23.70 | 12.96 | 6.82 | 2.70 | 1.87 | 0.48 | 0.48 | | |
| 3 | 0.19 | 2.05 | 4.70 | 2.41 | 6.38 | 11.92 | 14.85 | 6.82 | 2.70 | 1.78 | 0.50 | 0.46 | | |
| 4 | 0.25 | 0.84 | 4.80 | 1.18 | 4.40 | 10.12 | 18.70 | 6.71 | 2.60 | 1.78 | 0.54 | 0.44 | | |
| 5 | 0.35 | 0.52 | 3.20 | 1.12 | 3.80 | 7.81 | 21.10 | 6.49 | 2.60 | 1.78 | 0.44 | 0.50 | | |
| 6 | 0.38 | 0.29 | 2.41 | 1.42 | 3.20 | 7.70 | 21.50 | 6.60 | 2.60 | 1.78 | 0.42 | 1.12 | | |
| 7 | 0.72 | 0.26 | 2.23 | 4.30 | 2.80 | 7.59 | 37.75 | 6.71 | 2.70 | 1.54 | 0.44 | 1.60 | | |
| 8 | 0.54 | 0.27 | 1.96 | 3.20 | 2.14 | 7.59 | 46.50 | 6.49 | 2.70 | 1.42 | 0.48 | 1.78 | | |
| 9 | 0.39 | 0.29 | 1.78 | 2.14 | 4.80 | 11.32 | 27.10 | 6.49 | 2.60 | 1.48 | 0.52 | 1.42 | | |
| 10 | 0.20 | 0.34 | 1.12 | 2.23 | 3.30 | 21.10 | 17.08 | 6.60 | 2.50 | 1.48 | 0.52 | 1.12 | | |
| 11 | 0.20 | 2.23 | 0.92 | 0.84 | 3.60 | 67.20 | 25.30 | 6.71 | 2.50 | 1.18 | 0.50 | 0.35 | | |
| 12 | 0.19 | 1.48 | 0.58 | 0.58 | 4.40 | 66.60 | 21.70 | 6.71 | 2.50 | 1.06 | 0.52 | 0.35 | | |
| 13 | 0.19 | 4.70 | 0.52 | 0.72 | 4.80 | 45.50 | 14.85 | 6.49 | 2.23 | 0.92 | 0.54 | 0.33 | | |
| 14 | 0.18 | 4.00 | 0.48 | 0.52 | 6.27 | 30.30 | 13.52 | 6.27 | 2.50 | 0.80 | 0.52 | 0.33 | | |
| 15 | 0.18 | 23.30 | 0.44 | 0.54 | 4.50 | 21.90 | 12.40 | 6.16 | 2.70 | 0.88 | 0.56 | 0.31 | | |
| 16 | 0.19 | 9.28 | 0.46 | 0.50 | 4.20 | 16.74 | 11.32 | 6.05 | 2.70 | 0.64 | 0.54 | 0.30 | | |
| 17 | 0.19 | 6.05 | 0.42 | 0.54 | 3.20 | 14.40 | 10.60 | 6.05 | 3.10 | 0.60 | 0.52 | 0.35 | | |
| 18 | 1.69 | 3.90 | 0.42 | 0.76 | 2.90 | 32.70 | 10.60 | 5.94 | 3.50 | 0.68 | 0.42 | 0.36 | | |
| 19 | 0.80 | 3.10 | 0.46 | 0.80 | 2.90 | 23.10 | 11.92 | 5.94 | 3.50 | 0.72 | 0.46 | 0.34 | | |
| 20 | 1.87 | 2.90 | 0.64 | 2.90 | 3.60 | 25.90 | 11.32 | 5.61 | 3.40 | 0.72 | 0.48 | 0.35 | | |
| 21 | 0.96 | 2.80 | 3.40 | 1.87 | 3.40 | 22.90 | 10.84 | 5.00 | 3.30 | 0.76 | 0.56 | 0.34 | | |
| 22 | 0.76 | 19.06 | 2.32 | 1.60 | 3.30 | 17.98 | 10.60 | 5.40 | 3.30 | 0.84 | 0.60 | 0.35 | | |
| 23 | 0.42 | 8.25 | 1.12 | 1.24 | 2.50 | 30.70 | 9.88 | 3.90 | 3.00 | 0.76 | 0.54 | 0.35 | | |
| 24 | 0.32 | 22.10 | 5.30 | 1.00 | 2.23 | 19.96 | 9.88 | 2.80 | 1.96 | 0.80 | 0.42 | 0.32 | | |
| 25 | 0.37 | 10.48 | 24.50 | 12.82 | 2.60 | 16.58 | 9.40 | 3.50 | 4.30 | 1.00 | 0.46 | 0.31 | | |
| 26 | 0.37 | 6.71 | 9.64 | 20.32 | 4.00 | 14.10 | 9.40 | 2.90 | 3.90 | 0.68 | 0.50 | 1.00 | | |
| 27 | 0.39 | 4.70 | 12.04 | 9.88 | 10.60 | 16.74 | 9.28 | 3.10 | 1.87 | 0.56 | 0.48 | 1.06 | | |
| 28 | 0.96 | 5.30 | 11.32 | 6.38 | 6.71 | 19.42 | 9.28 | 3.00 | 1.96 | 0.50 | 0.48 | 1.78 | | |
| 29 | 13.80 | 7.15 | 7.81 | 4.90 | 4.90 | 23.50 | 9.16 | 2.60 | 1.69 | 0.40 | | 0.84 | | |
| 30 | 16.58 | 5.20 | 4.90 | 4.00 | 4.10 | 16.74 | 8.80 | 3.20 | 1.60 | 0.44 | | 0.28 | | |
| 31 | | 4.40 | | 14.40 | 38.25 | | 8.25 | | 1.78 | 0.44 | | 0.27 | | |
| Total | 44.01 | 170.05 | 116.59 | 112.41 | 172.67 | 688.06 | 480.24 | 164.43 | 83.89 | 32.16 | 13.88 | 19.65 | 2098.04 | CMSDAY |
| Mean | 1.47 | 5.49 | 3.89 | 3.63 | 5.57 | 22.94 | 15.49 | 5.48 | 2.71 | 1.04 | 0.50 | 0.63 | 5.75 | CMS |
| Max | 16.58 | 23.30 | 24.50 | 20.32 | 38.25 | 67.20 | 46.50 | 7.37 | 4.30 | 1.87 | 0.60 | 1.78 | 67.20 | CMS |
| Min | 0.18 | 0.26 | 0.42 | 0.50 | 2.14 | 7.59 | 8.25 | 2.60 | 1.60 | 0.40 | 0.42 | 0.27 | 0.18 | CMS |
| Runoff | 3.80 | 14.69 | 10.07 | 9.71 | 14.92 | 59.45 | 41.49 | 14.21 | 7.25 | 2.78 | 1.20 | 1.70 | 181.27 | MCM |

Momentary Peak 89.45 CMS. at 307.99 m. (MSL.) at 11.00 Hours , on Sep 11, 2006

Runoff Yield 11.71 Liters/Second/Square KM. Momentary Peak Yield 182.18 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Li at Ban Lai Khaeo , Lamphun (P.85)

Lat 18 - 21 - 49 N Long 98 - 46 - 31 E

**Location : on right bank at Ban Lai Khaeo.**

**Ban** Lai Khaeo **Amphoe** Ban Hong **Changwat** Lamphun

| | |
|---|---|
| **Drainge Area** | 2,037 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +290.368 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +295.123 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2003 to date |
| **Rating Operation** | |
| **Period of Rating** | 2003 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2003 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair.Stage-discharge relation defined by 14 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

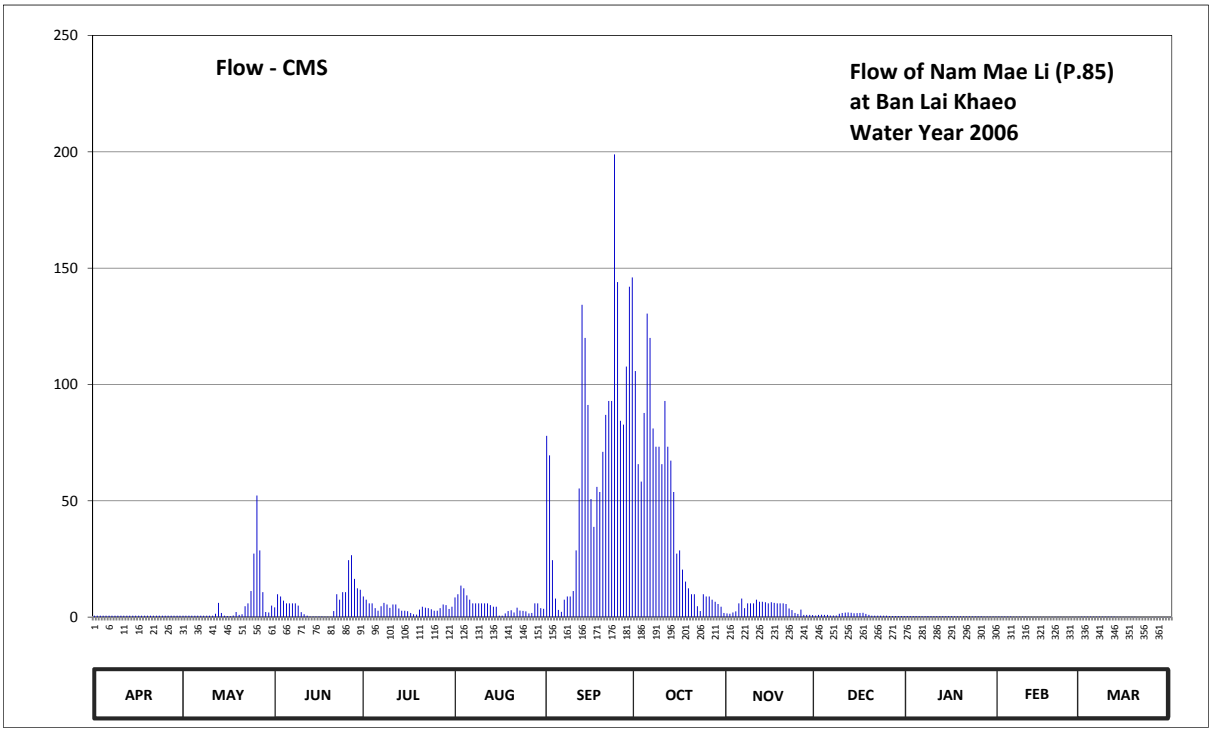
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 290.37 | 290.37 | 290.90 | 291.05 | 291.04 | 292.03 | 292.35 | 290.60 | 290.40 | 290.32 | 290.22 | 290.17 | |
| 2 | 290.37 | 290.37 | 291.07 | 291.02 | 291.07 | 291.92 | 291.87 | 290.57 | 290.47 | 290.32 | 290.22 | 290.17 | |
| 3 | 290.37 | 290.37 | 291.05 | 290.97 | 291.14 | 291.31 | 291.77 | 290.66 | 290.49 | 290.32 | 290.22 | 290.17 | |
| 4 | 290.37 | 290.37 | 291.01 | 290.97 | 291.12 | 291.03 | 292.15 | 290.73 | 290.47 | 290.32 | 290.22 | 290.17 | |
| 5 | 290.37 | 290.37 | 290.97 | 290.87 | 291.06 | 290.81 | 292.61 | 290.97 | 290.47 | 290.31 | 290.22 | 290.17 | |
| 6 | 290.37 | 290.37 | 290.97 | 290.77 | 291.02 | 290.71 | 292.50 | 291.03 | 290.39 | 290.31 | 290.17 | 290.17 | |
| 7 | 290.37 | 290.37 | 290.97 | 290.92 | 290.97 | 291.02 | 292.07 | 290.87 | 290.39 | 290.31 | 290.17 | 290.17 | |
| 8 | 290.37 | 290.37 | 290.97 | 290.98 | 290.97 | 291.05 | 291.97 | 290.97 | 290.39 | 290.32 | 290.17 | 290.17 | |
| 9 | 290.37 | 290.37 | 290.93 | 290.95 | 290.97 | 291.05 | 291.97 | 290.97 | 290.57 | 290.31 | 290.17 | 290.17 | |
| 10 | 290.37 | 290.37 | 290.69 | 290.88 | 290.97 | 291.10 | 291.87 | 290.97 | 290.63 | 290.30 | 290.17 | 290.17 | |
| 11 | 290.37 | 290.37 | 290.52 | 290.95 | 290.97 | 291.37 | 292.21 | 291.02 | 290.65 | 290.30 | 290.15 | 290.17 | |
| 12 | 290.37 | 290.57 | 290.37 | 290.95 | 290.97 | 291.73 | 291.97 | 291.00 | 290.67 | 290.30 | 290.15 | 290.17 | |
| 13 | 290.37 | 290.98 | 290.25 | 290.86 | 290.94 | 292.65 | 291.89 | 291.00 | 290.64 | 290.29 | 290.14 | 290.13 | |
| 14 | 290.37 | 290.63 | 290.25 | 290.77 | 290.91 | 292.50 | 291.71 | 290.99 | 290.61 | 290.29 | 290.13 | 290.13 | |
| 15 | 290.37 | 290.37 | 290.25 | 290.77 | 290.91 | 292.19 | 291.35 | 290.97 | 290.62 | 290.29 | 290.13 | 290.13 | |
| 16 | 290.37 | 290.32 | 290.25 | 290.74 | 290.38 | 291.67 | 291.37 | 290.99 | 290.63 | 290.29 | 290.13 | 290.13 | |
| 17 | 290.37 | 290.29 | 290.22 | 290.63 | 290.37 | 291.51 | 291.25 | 290.98 | 290.64 | 290.28 | 290.12 | 290.13 | |
| 18 | 290.37 | 290.39 | 290.20 | 290.52 | 290.60 | 291.74 | 291.17 | 290.97 | 290.55 | 290.28 | 290.12 | 290.13 | |
| 19 | 290.37 | 290.70 | 290.20 | 290.50 | 290.75 | 291.71 | 291.12 | 290.97 | 290.47 | 290.28 | 290.11 | 290.13 | |
| 20 | 290.37 | 290.46 | 290.20 | 290.82 | 290.79 | 291.94 | 291.07 | 290.97 | 290.37 | 290.27 | 290.11 | 290.07 | |
| 21 | 290.37 | 290.53 | 290.75 | 290.91 | 290.67 | 292.14 | 291.07 | 290.96 | 290.37 | 290.27 | 290.10 | 290.07 | |
| 22 | 290.37 | 290.92 | 291.07 | 290.89 | 290.89 | 292.21 | 290.92 | 290.86 | 290.37 | 290.27 | 290.11 | 290.07 | |
| 23 | 290.37 | 290.97 | 291.02 | 290.87 | 290.78 | 292.21 | 290.75 | 290.80 | 290.37 | 290.27 | 290.12 | 290.07 | |
| 24 | 290.37 | 291.10 | 291.09 | 290.83 | 290.76 | 293.28 | 291.07 | 290.63 | 290.37 | 290.27 | 290.13 | 290.07 | |
| 25 | 290.37 | 291.35 | 291.09 | 290.77 | 290.73 | 292.75 | 291.05 | 290.56 | 290.37 | 290.27 | 290.13 | 290.07 | |
| 26 | 290.37 | 291.69 | 291.31 | 290.77 | 290.60 | 292.11 | 291.05 | 290.82 | 290.32 | 290.26 | 290.13 | 290.07 | |
| 27 | 290.37 | 291.37 | 291.34 | 290.87 | 290.63 | 292.09 | 291.02 | 290.47 | 290.32 | 290.25 | 290.13 | 290.07 | |
| 28 | 290.37 | 291.09 | 291.19 | 290.95 | 290.97 | 292.37 | 291.00 | 290.47 | 290.32 | 290.25 | 290.13 | 290.07 | |
| 29 | 290.37 | 290.70 | 291.12 | 290.94 | 290.97 | 292.73 | 290.96 | 290.47 | 290.32 | 290.23 | | 290.07 | |
| 30 | 290.37 | 290.66 | 291.11 | 290.84 | 290.87 | 292.77 | 290.91 | 290.44 | 290.32 | 290.22 | | 290.07 | |
| 31 | | 290.93 | | 290.91 | 290.85 | | 290.63 | | 290.32 | 290.22 | | 290.07 | |
| Mean | 290.37 | 290.65 | 290.78 | 290.85 | 290.86 | 291.86 | 291.51 | 290.82 | 290.46 | 290.28 | 290.15 | 290.12 | |
| Max | 290.37 | 291.69 | 291.34 | 291.05 | 291.14 | 293.28 | 292.61 | 291.03 | 290.67 | 290.32 | 290.22 | 290.17 | 293.28 |
| Min | 290.37 | 290.29 | 290.20 | 290.50 | 290.37 | 290.71 | 290.63 | 290.44 | 290.32 | 290.22 | 290.10 | 290.07 | 290.07 |

Annual Max Momentary Gage Height 293.87 m. (MSL.) , at 24.00 Hours , on Sep 24 , 2006

Zero Gage at Bottom Elevation 290.37 m. (MSL.) , River Bed 289.80 m. (MSL.)

Left Bank Elevation 295.35 m. (MSL.) ,

Right Bank Elevation 295.34 m. (MSL.) , Drainage Are 2,037 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.61 | 0.61 | 4.20 | 8.90 | 8.44 | 77.90 | 105.75 | 1.60 | 0.70 | 0.46 | 0.24 | 0.17 | | |
| 2 | 0.61 | 0.61 | 9.82 | 7.52 | 9.82 | 69.50 | 65.75 | 1.45 | 0.98 | 0.46 | 0.24 | 0.17 | | |
| 3 | 0.61 | 0.61 | 8.90 | 5.88 | 13.52 | 24.50 | 58.25 | 1.96 | 1.06 | 0.46 | 0.24 | 0.17 | | |
| 4 | 0.61 | 0.61 | 7.06 | 5.88 | 12.36 | 7.98 | 87.75 | 2.44 | 0.98 | 0.46 | 0.24 | 0.17 | | |
| 5 | 0.61 | 0.61 | 5.88 | 3.84 | 9.36 | 3.12 | 130.45 | 5.88 | 0.98 | 0.43 | 0.24 | 0.17 | | |
| 6 | 0.61 | 0.61 | 5.88 | 2.76 | 7.52 | 2.28 | 120.00 | 7.98 | 0.67 | 0.43 | 0.17 | 0.17 | | |
| 7 | 0.61 | 0.61 | 5.88 | 4.68 | 5.88 | 7.52 | 81.10 | 3.84 | 0.67 | 0.43 | 0.17 | 0.17 | | |
| 8 | 0.61 | 0.61 | 5.88 | 6.12 | 5.88 | 8.90 | 73.25 | 5.88 | 0.67 | 0.46 | 0.17 | 0.17 | | |
| 9 | 0.61 | 0.61 | 4.92 | 5.40 | 5.88 | 8.90 | 73.25 | 5.88 | 1.45 | 0.43 | 0.17 | 0.17 | | |
| 10 | 0.61 | 0.61 | 2.14 | 3.96 | 5.88 | 11.20 | 65.75 | 5.88 | 1.78 | 0.40 | 0.17 | 0.17 | | |
| 11 | 0.61 | 0.61 | 1.20 | 5.40 | 5.88 | 28.70 | 92.90 | 7.52 | 1.90 | 0.40 | 0.15 | 0.17 | | |
| 12 | 0.61 | 1.45 | 0.61 | 5.40 | 5.88 | 55.25 | 73.25 | 6.60 | 2.02 | 0.40 | 0.15 | 0.17 | | |
| 13 | 0.61 | 6.12 | 0.30 | 3.72 | 5.16 | 134.25 | 67.25 | 6.60 | 1.84 | 0.38 | 0.14 | 0.13 | | |
| 14 | 0.61 | 1.78 | 0.30 | 2.76 | 4.44 | 120.00 | 53.75 | 6.36 | 1.66 | 0.38 | 0.13 | 0.13 | | |
| 15 | 0.61 | 0.61 | 0.30 | 2.76 | 4.44 | 91.15 | 27.30 | 5.88 | 1.72 | 0.38 | 0.13 | 0.13 | | |
| 16 | 0.61 | 0.46 | 0.30 | 2.52 | 0.64 | 50.75 | 28.70 | 6.36 | 1.78 | 0.38 | 0.13 | 0.13 | | |
| 17 | 0.61 | 0.38 | 0.24 | 1.78 | 0.61 | 38.75 | 20.40 | 6.12 | 1.84 | 0.36 | 0.12 | 0.13 | | |
| 18 | 0.61 | 0.67 | 0.20 | 1.20 | 1.60 | 56.00 | 15.26 | 5.88 | 1.35 | 0.36 | 0.12 | 0.13 | | |
| 19 | 0.61 | 2.20 | 0.20 | 1.10 | 2.60 | 53.75 | 12.36 | 5.88 | 0.98 | 0.36 | 0.11 | 0.13 | | |
| 20 | 0.61 | 0.94 | 0.20 | 3.24 | 2.92 | 71.00 | 9.82 | 5.88 | 0.61 | 0.34 | 0.11 | 0.09 | | |
| 21 | 0.61 | 1.25 | 2.60 | 4.44 | 2.02 | 86.90 | 9.82 | 5.64 | 0.61 | 0.34 | 0.10 | 0.09 | | |
| 22 | 0.61 | 4.68 | 9.82 | 4.08 | 4.08 | 92.90 | 4.68 | 3.72 | 0.61 | 0.34 | 0.11 | 0.09 | | |
| 23 | 0.61 | 5.88 | 7.52 | 3.84 | 2.84 | 92.90 | 2.60 | 3.00 | 0.61 | 0.34 | 0.12 | 0.09 | | |
| 24 | 0.61 | 11.20 | 10.74 | 3.36 | 2.68 | 198.90 | 9.82 | 1.78 | 0.61 | 0.34 | 0.13 | 0.09 | | |
| 25 | 0.61 | 27.30 | 10.74 | 2.76 | 2.44 | 144.00 | 8.90 | 1.40 | 0.61 | 0.34 | 0.13 | 0.09 | | |
| 26 | 0.61 | 52.25 | 24.50 | 2.76 | 1.60 | 84.35 | 8.90 | 3.24 | 0.46 | 0.32 | 0.13 | 0.09 | | |
| 27 | 0.61 | 28.70 | 26.60 | 3.84 | 1.78 | 82.70 | 7.52 | 0.98 | 0.46 | 0.30 | 0.13 | 0.09 | | |
| 28 | 0.61 | 10.74 | 16.42 | 5.40 | 5.88 | 107.65 | 6.60 | 0.98 | 0.46 | 0.30 | 0.13 | 0.09 | | |
| 29 | 0.61 | 2.20 | 12.36 | 5.16 | 5.88 | 142.00 | 5.64 | 0.98 | 0.46 | 0.26 | | 0.09 | | |
| 30 | 0.61 | 1.96 | 11.78 | 3.48 | 3.84 | 146.00 | 4.44 | 0.86 | 0.46 | 0.24 | | 0.09 | | |
| 31 | | 4.92 | | 4.44 | 3.60 | | 1.78 | | 0.46 | 0.24 | | 0.09 | | |
| Total | 18.30 | 172.40 | 197.49 | 128.38 | 155.35 | 2099.70 | 1332.99 | 128.45 | 31.45 | 11.52 | 4.32 | 4.03 | 4284.38 | CMSDAY |
| Mean | 0.61 | 5.56 | 6.58 | 4.14 | 5.01 | 69.99 | 43.00 | 4.28 | 1.01 | 0.37 | 0.15 | 0.13 | 11.74 | CMS |
| Max | 0.61 | 52.25 | 26.60 | 8.90 | 13.52 | 198.90 | 130.45 | 7.98 | 2.02 | 0.46 | 0.24 | 0.17 | 198.90 | CMS |
| Min | 0.61 | 0.38 | 0.20 | 1.10 | 0.61 | 2.28 | 1.78 | 0.86 | 0.46 | 0.24 | 0.10 | 0.09 | 0.09 | CMS |
| Runoff | 1.58 | 14.90 | 17.06 | 11.09 | 13.42 | 181.41 | 115.17 | 11.10 | 2.72 | 1.00 | 0.37 | 0.35 | 370.17 | MCM |

Momentary Peak 261.70 CMS. at 293.87 m. (MSL.) at 24.00 Hours , on Sep 24 , 2006

Runoff Yield 5.76 Liters/Second/Square KM. Momentary Peak Yield 128.47 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae On at Ban Hong , Chiang Mai (P.86)

Lat 18 - 44 - 18 N Long 99 - 13 - 18 E

**Location : on left bank at Ban Hong.**

| | | | |
|---|---|---|---|
| | **Ban** Hong | **Amphoe** San Kamphaeng | **Changwat** Chiang Mai |
| **Drainge Area** | 97 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +341.205 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the abutment of the bridge. | **Elevation** +345.535 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 20 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

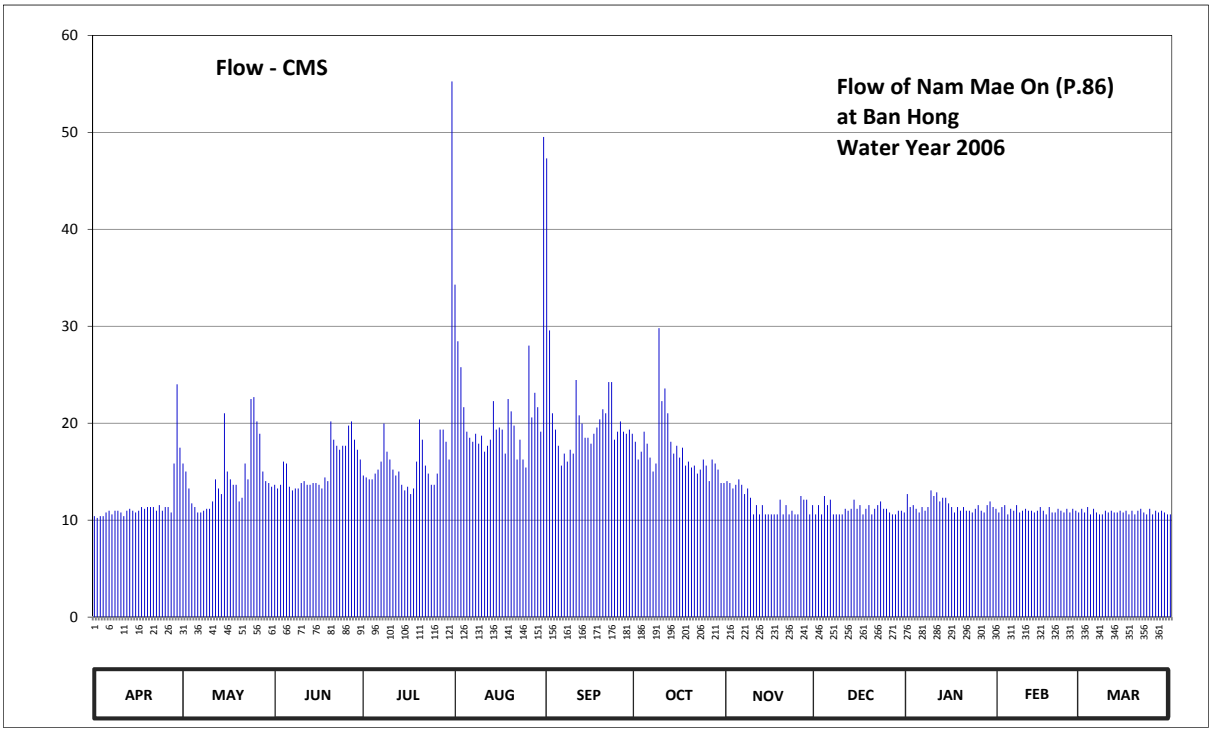
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 341.60 | 341.88 | 341.77 | 341.82 | 342.73 | 343.28 | 341.99 | 341.79 | 341.61 | 341.72 | 341.62 | 341.64 | |
| 2 | 341.59 | 341.84 | 341.75 | 341.81 | 342.47 | 342.52 | 341.90 | 341.78 | 341.66 | 341.65 | 341.65 | 341.62 | |
| 3 | 341.60 | 341.75 | 341.77 | 341.80 | 342.35 | 342.13 | 341.94 | 341.75 | 341.61 | 341.66 | 341.66 | 341.65 | |
| 4 | 341.60 | 341.67 | 341.89 | 341.80 | 342.16 | 342.05 | 342.04 | 341.77 | 341.71 | 341.64 | 341.61 | 341.61 | |
| 5 | 341.62 | 341.65 | 341.88 | 341.83 | 342.04 | 341.97 | 341.98 | 341.80 | 341.66 | 341.62 | 341.64 | 341.64 | |
| 6 | 341.63 | 341.62 | 341.76 | 341.85 | 342.01 | 341.87 | 341.91 | 341.77 | 341.69 | 341.65 | 341.63 | 341.62 | |
| 7 | 341.61 | 341.62 | 341.74 | 341.89 | 341.99 | 341.93 | 341.84 | 341.72 | 341.61 | 341.63 | 341.66 | 341.61 | |
| 8 | 341.63 | 341.63 | 341.75 | 342.08 | 342.03 | 341.89 | 341.88 | 341.75 | 341.61 | 341.65 | 341.62 | 341.61 | |
| 9 | 341.63 | 341.64 | 341.75 | 341.94 | 341.98 | 341.95 | 342.53 | 341.70 | 341.61 | 341.74 | 341.63 | 341.63 | |
| 10 | 341.62 | 341.64 | 341.78 | 341.90 | 342.02 | 341.93 | 342.19 | 341.61 | 341.61 | 341.71 | 341.64 | 341.62 | |
| 11 | 341.60 | 341.68 | 341.79 | 341.85 | 341.94 | 342.29 | 342.25 | 341.66 | 341.64 | 341.73 | 341.63 | 341.63 | |
| 12 | 341.63 | 341.80 | 341.77 | 341.82 | 341.97 | 342.12 | 342.13 | 341.61 | 341.63 | 341.68 | 341.63 | 341.62 | |
| 13 | 341.64 | 341.75 | 341.77 | 341.84 | 342.00 | 342.08 | 341.99 | 341.66 | 341.64 | 341.70 | 341.62 | 341.62 | |
| 14 | 341.63 | 341.72 | 341.78 | 341.77 | 342.19 | 342.01 | 341.93 | 341.61 | 341.69 | 341.70 | 341.63 | 341.63 | |
| 15 | 341.62 | 342.13 | 341.78 | 341.74 | 342.05 | 342.01 | 341.97 | 341.61 | 341.64 | 341.67 | 341.65 | 341.62 | |
| 16 | 341.63 | 341.84 | 341.77 | 341.76 | 342.06 | 341.98 | 341.91 | 341.61 | 341.66 | 341.65 | 341.63 | 341.63 | |
| 17 | 341.65 | 341.80 | 341.75 | 341.72 | 342.05 | 342.03 | 341.96 | 341.61 | 341.61 | 341.62 | 341.61 | 341.61 | |
| 18 | 341.64 | 341.77 | 341.81 | 341.75 | 341.93 | 342.06 | 341.87 | 341.61 | 341.64 | 341.65 | 341.65 | 341.63 | |
| 19 | 341.65 | 341.77 | 341.79 | 341.89 | 342.20 | 342.10 | 341.89 | 341.69 | 341.66 | 341.63 | 341.62 | 341.61 | |
| 20 | 341.65 | 341.68 | 342.09 | 342.10 | 342.14 | 342.15 | 341.86 | 341.61 | 341.61 | 341.65 | 341.62 | 341.63 | |
| 21 | 341.65 | 341.70 | 342.00 | 342.00 | 342.07 | 342.13 | 341.87 | 341.66 | 341.64 | 341.63 | 341.64 | 341.64 | |
| 22 | 341.63 | 341.88 | 341.97 | 341.87 | 341.90 | 342.28 | 341.83 | 341.61 | 341.66 | 341.63 | 341.63 | 341.62 | |
| 23 | 341.66 | 341.80 | 341.95 | 341.83 | 342.00 | 342.28 | 341.85 | 341.63 | 341.68 | 341.62 | 341.62 | 341.61 | |
| 24 | 341.63 | 342.20 | 341.97 | 341.77 | 341.90 | 342.00 | 341.90 | 341.61 | 341.64 | 341.64 | 341.64 | 341.64 | |
| 25 | 341.65 | 342.21 | 341.97 | 341.77 | 341.86 | 342.04 | 341.87 | 341.61 | 341.64 | 341.66 | 341.62 | 341.61 | |
| 26 | 341.65 | 342.09 | 342.07 | 341.83 | 342.45 | 342.09 | 341.79 | 341.71 | 341.62 | 341.63 | 341.64 | 341.63 | |
| 27 | 341.62 | 342.03 | 342.09 | 342.05 | 342.11 | 342.04 | 341.90 | 341.69 | 341.61 | 341.62 | 341.63 | 341.62 | |
| 28 | 341.88 | 341.84 | 342.00 | 342.05 | 342.23 | 342.03 | 341.88 | 341.69 | 341.61 | 341.66 | 341.62 | 341.63 | |
| 29 | 342.27 | 341.79 | 341.95 | 341.99 | 342.16 | 342.05 | 341.85 | 341.61 | 341.63 | 341.68 | | 341.62 | |
| 30 | 341.96 | 341.78 | 341.90 | 341.90 | 342.04 | 342.03 | 341.78 | 341.66 | 341.63 | 341.65 | | 341.61 | |
| 31 | | 341.76 | | 343.60 | 343.37 | | 341.78 | | 341.62 | 341.64 | | 341.61 | |
| Mean | 341.67 | 341.81 | 341.86 | 341.92 | 342.14 | 342.11 | 341.94 | 341.67 | 341.64 | 341.66 | 341.63 | 341.62 | |
| Max | 342.27 | 342.21 | 342.09 | 343.60 | 343.37 | 343.28 | 342.53 | 341.80 | 341.71 | 341.74 | 341.66 | 341.65 | 343.60 |
| Min | 341.59 | 341.62 | 341.74 | 341.72 | 341.86 | 341.87 | 341.78 | 341.61 | 341.61 | 341.62 | 341.61 | 341.61 | 341.59 |

Annual Max Momentary Gage Height 344.21 m. (MSL.) , at 18.00 Hours , on Jul 31 , 2006

Zero Gage at Bottom Elevation 341.21 m. (MSL.) , River Bed 340.96 m. (MSL.)

Left Bank Elevation 345.39 m. (MSL.) ,

Right Bank Elevation 345.37 m. (MSL.) , Drainage Are 97 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.42 | 15.84 | 13.64 | 14.61 | 34.30 | 47.32 | 18.09 | 14.02 | 10.60 | 12.69 | 10.79 | 11.17 | | |
| 2 | 10.23 | 15.02 | 13.26 | 14.40 | 28.45 | 29.58 | 16.25 | 13.83 | 11.55 | 11.36 | 11.36 | 10.79 | | |
| 3 | 10.42 | 13.26 | 13.64 | 14.21 | 25.78 | 21.02 | 17.07 | 13.26 | 10.60 | 11.55 | 11.55 | 11.36 | | |
| 4 | 10.42 | 11.74 | 16.04 | 14.21 | 21.65 | 19.34 | 19.13 | 13.64 | 12.50 | 11.17 | 10.60 | 10.60 | | |
| 5 | 10.79 | 11.36 | 15.84 | 14.81 | 19.13 | 17.68 | 17.89 | 14.21 | 11.55 | 10.79 | 11.17 | 11.17 | | |
| 6 | 10.98 | 10.79 | 13.45 | 15.22 | 18.50 | 15.63 | 16.45 | 13.64 | 12.12 | 11.36 | 10.98 | 10.79 | | |
| 7 | 10.60 | 10.79 | 13.07 | 16.04 | 18.09 | 16.86 | 15.02 | 12.69 | 10.60 | 10.98 | 11.55 | 10.60 | | |
| 8 | 10.98 | 10.98 | 13.26 | 19.97 | 18.92 | 16.04 | 15.84 | 13.26 | 10.60 | 11.36 | 10.79 | 10.60 | | |
| 9 | 10.98 | 11.17 | 13.26 | 17.07 | 17.89 | 17.27 | 29.80 | 12.31 | 10.60 | 13.07 | 10.98 | 10.98 | | |
| 10 | 10.79 | 11.17 | 13.83 | 16.25 | 18.71 | 16.86 | 22.28 | 10.60 | 10.60 | 12.50 | 11.17 | 10.79 | | |
| 11 | 10.42 | 11.93 | 14.02 | 15.22 | 17.07 | 24.46 | 23.58 | 11.55 | 11.17 | 12.88 | 10.98 | 10.98 | | |
| 12 | 10.98 | 14.21 | 13.64 | 14.61 | 17.68 | 20.81 | 21.02 | 10.60 | 10.98 | 11.93 | 10.98 | 10.79 | | |
| 13 | 11.17 | 13.26 | 13.64 | 15.02 | 18.30 | 19.97 | 18.09 | 11.55 | 11.17 | 12.31 | 10.79 | 10.79 | | |
| 14 | 10.98 | 12.69 | 13.83 | 13.64 | 22.28 | 18.50 | 16.86 | 10.60 | 12.12 | 12.31 | 10.98 | 10.98 | | |
| 15 | 10.79 | 21.02 | 13.83 | 13.07 | 19.34 | 18.50 | 17.68 | 10.60 | 11.17 | 11.74 | 11.36 | 10.79 | | |
| 16 | 10.98 | 15.02 | 13.64 | 13.45 | 19.55 | 17.89 | 16.45 | 10.60 | 11.55 | 11.36 | 10.98 | 10.98 | | |
| 17 | 11.36 | 14.21 | 13.26 | 12.69 | 19.34 | 18.92 | 17.48 | 10.60 | 10.60 | 10.79 | 10.60 | 10.60 | | |
| 18 | 11.17 | 13.64 | 14.40 | 13.26 | 16.86 | 19.55 | 15.63 | 10.60 | 11.17 | 11.36 | 11.36 | 10.98 | | |
| 19 | 11.36 | 13.64 | 14.02 | 16.04 | 22.49 | 20.39 | 16.04 | 12.12 | 11.55 | 10.98 | 10.79 | 10.60 | | |
| 20 | 11.36 | 11.93 | 20.18 | 20.39 | 21.23 | 21.44 | 15.43 | 10.60 | 10.60 | 11.36 | 10.79 | 10.98 | | |
| 21 | 11.36 | 12.31 | 18.30 | 18.30 | 19.76 | 21.02 | 15.63 | 11.55 | 11.17 | 10.98 | 11.17 | 11.17 | | |
| 22 | 10.98 | 15.84 | 17.68 | 15.63 | 16.25 | 24.24 | 14.81 | 10.60 | 11.55 | 10.98 | 10.98 | 10.79 | | |
| 23 | 11.55 | 14.21 | 17.27 | 14.81 | 18.30 | 24.24 | 15.22 | 10.98 | 11.93 | 10.79 | 10.79 | 10.60 | | |
| 24 | 10.98 | 22.49 | 17.68 | 13.64 | 16.25 | 18.30 | 16.25 | 10.60 | 11.17 | 11.17 | 11.17 | 11.17 | | |
| 25 | 11.36 | 22.70 | 17.68 | 13.64 | 15.43 | 19.13 | 15.63 | 10.60 | 11.17 | 11.55 | 10.79 | 10.60 | | |
| 26 | 11.36 | 20.18 | 19.76 | 14.81 | 28.00 | 20.18 | 14.02 | 12.50 | 10.79 | 10.98 | 11.17 | 10.98 | | |
| 27 | 10.79 | 18.92 | 20.18 | 19.34 | 20.60 | 19.13 | 16.25 | 12.12 | 10.60 | 10.79 | 10.98 | 10.79 | | |
| 28 | 15.84 | 15.02 | 18.30 | 19.34 | 23.14 | 18.92 | 15.84 | 12.12 | 10.60 | 11.55 | 10.79 | 10.98 | | |
| 29 | 24.02 | 14.02 | 17.27 | 18.09 | 21.65 | 19.34 | 15.22 | 10.60 | 10.98 | 11.93 | | 10.79 | | |
| 30 | 17.48 | 13.83 | 16.25 | 16.25 | 19.13 | 18.92 | 13.83 | 11.55 | 10.98 | 11.36 | | 10.60 | | |
| 31 | | 13.45 | | 55.25 | 49.52 | | 13.83 | | 10.79 | 11.17 | | 10.60 | | |
| Total | 352.90 | 446.64 | 464.12 | 523.28 | 663.59 | 621.45 | 532.61 | 354.10 | 345.13 | 357.10 | 308.39 | 336.39 | 5305.70 | CMSDAY |
| Mean | 11.76 | 14.41 | 15.47 | 16.88 | 21.41 | 20.71 | 17.18 | 11.80 | 11.13 | 11.52 | 11.01 | 10.85 | 14.54 | CMS |
| Max | 24.02 | 22.70 | 20.18 | 55.25 | 49.52 | 47.32 | 29.80 | 14.21 | 12.50 | 13.07 | 11.55 | 11.36 | 55.25 | CMS |
| Min | 10.23 | 10.79 | 13.07 | 12.69 | 15.43 | 15.63 | 13.83 | 10.60 | 10.60 | 10.79 | 10.60 | 10.60 | 10.23 | CMS |
| Runoff | 30.49 | 38.59 | 40.10 | 45.21 | 57.33 | 53.69 | 46.02 | 30.59 | 29.82 | 30.85 | 26.64 | 29.06 | 458.41 | MCM |

Momentary Peak 70.70 CMS. at 344.21 m. (MSL.) at 18.00 Hours , on Jul 31 , 2006

Runoff Yield 149.86 Liters/Second/Square KM. Momentary Peak Yield 728.87 Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Home at Ban Tun Bong, Chiang Mai (P.88)

Lat 18 - 44 - 20 N Long 99 - 05 - 21 E

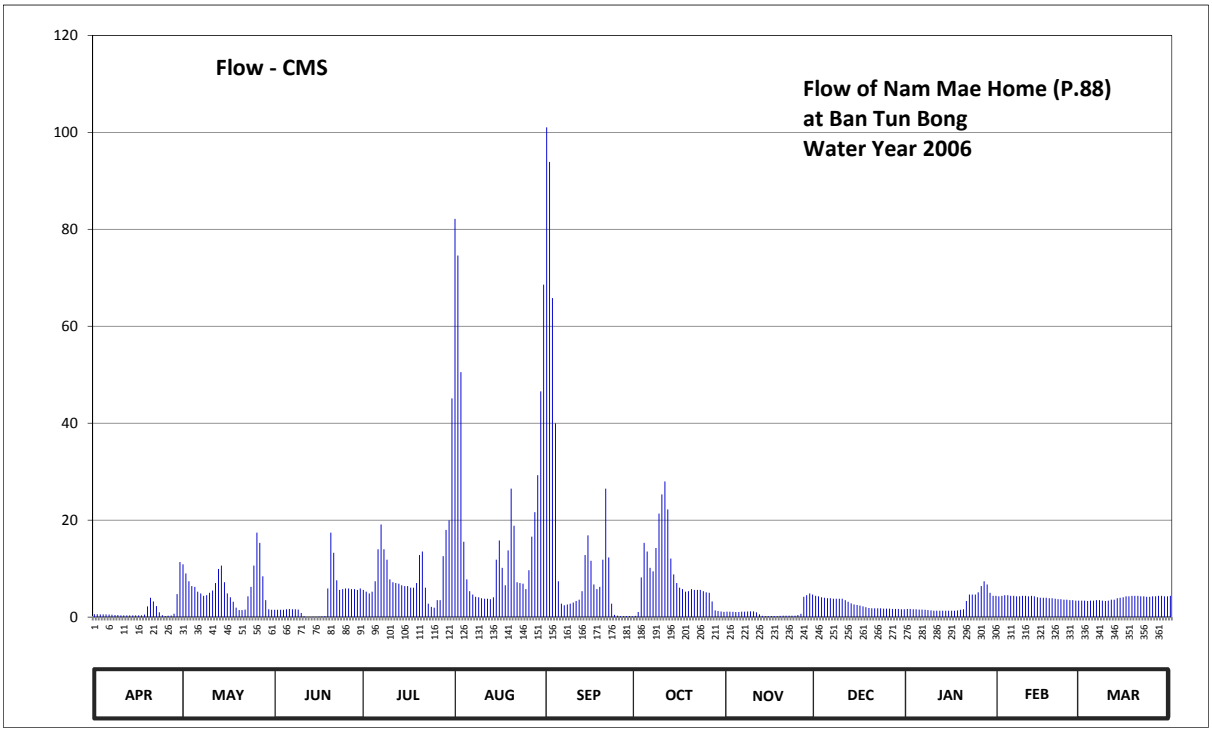
**Location : on right bank at the bridge.**

| | |
|---|---|
| | **Ban** Tun Bong **Amphoe** San Kamphaeng **Changwat** Chiang Mai |
| **Drainge Area** | - sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +5.470 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2006 to date |
| **Rating Operation** | |
| **Period of Rating** | 2006 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2006 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 8 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.20 | 3.17 | 2.45 | 2.90 | 5.27 | 5.72 | 2.03 | 2.38 | 2.80 | 2.48 | 2.79 | 2.70 | |
| 2 | 2.20 | 3.09 | 2.45 | 2.87 | 5.09 | 5.55 | 2.36 | 2.38 | 2.79 | 2.48 | 2.80 | 2.70 | |
| 3 | 2.18 | 3.01 | 2.45 | 2.84 | 4.47 | 4.87 | 3.05 | 2.37 | 2.77 | 2.47 | 2.81 | 2.69 | |
| 4 | 2.18 | 2.95 | 2.45 | 2.87 | 3.36 | 4.17 | 3.35 | 2.36 | 2.76 | 2.47 | 2.81 | 2.70 | |
| 5 | 2.18 | 2.94 | 2.47 | 3.01 | 3.03 | 3.01 | 3.28 | 2.36 | 2.75 | 2.46 | 2.80 | 2.70 | |
| 6 | 2.16 | 2.87 | 2.48 | 3.30 | 2.88 | 2.62 | 3.14 | 2.38 | 2.75 | 2.46 | 2.80 | 2.71 | |
| 7 | 2.14 | 2.84 | 2.47 | 3.49 | 2.82 | 2.58 | 3.11 | 2.38 | 2.74 | 2.45 | 2.79 | 2.71 | |
| 8 | 2.12 | 2.80 | 2.47 | 3.30 | 2.78 | 2.60 | 3.31 | 2.39 | 2.74 | 2.44 | 2.79 | 2.70 | |
| 9 | 2.11 | 2.81 | 2.46 | 3.21 | 2.77 | 2.62 | 3.57 | 2.40 | 2.74 | 2.43 | 2.80 | 2.69 | |
| 10 | 2.08 | 2.85 | 2.31 | 3.03 | 2.75 | 2.65 | 3.71 | 2.40 | 2.74 | 2.42 | 2.80 | 2.70 | |
| 11 | 2.08 | 2.89 | 1.97 | 3.00 | 2.74 | 2.69 | 3.80 | 2.35 | 2.71 | 2.42 | 2.79 | 2.72 | |
| 12 | 2.08 | 2.99 | 1.72 | 2.99 | 2.74 | 2.72 | 3.60 | 2.18 | 2.67 | 2.42 | 2.80 | 2.72 | |
| 13 | 2.08 | 3.13 | 1.74 | 2.98 | 2.73 | 2.88 | 3.22 | 2.03 | 2.63 | 2.42 | 2.79 | 2.75 | |
| 14 | 2.08 | 3.16 | 1.79 | 2.96 | 2.77 | 3.25 | 3.08 | 2.00 | 2.60 | 2.42 | 2.77 | 2.76 | |
| 15 | 2.08 | 3.00 | 1.83 | 2.95 | 3.21 | 3.41 | 2.99 | 2.00 | 2.59 | 2.42 | 2.76 | 2.77 | |
| 16 | 2.08 | 2.84 | 1.87 | 2.95 | 3.37 | 3.20 | 2.93 | 2.01 | 2.57 | 2.42 | 2.76 | 2.79 | |
| 17 | 2.08 | 2.77 | 1.92 | 2.93 | 3.14 | 2.97 | 2.91 | 2.02 | 2.55 | 2.42 | 2.76 | 2.79 | |
| 18 | 2.17 | 2.67 | 2.00 | 2.93 | 2.96 | 2.91 | 2.87 | 2.00 | 2.53 | 2.43 | 2.75 | 2.80 | |
| 19 | 2.55 | 2.52 | 2.92 | 2.99 | 3.29 | 2.94 | 2.88 | 2.03 | 2.51 | 2.45 | 2.75 | 2.80 | |
| 20 | 2.76 | 2.44 | 3.43 | 3.25 | 3.75 | 3.21 | 2.91 | 2.04 | 2.50 | 2.47 | 2.74 | 2.80 | |
| 21 | 2.68 | 2.44 | 3.27 | 3.28 | 3.48 | 3.75 | 2.90 | 2.05 | 2.50 | 2.69 | 2.73 | 2.79 | |
| 22 | 2.56 | 2.46 | 3.02 | 2.93 | 3.00 | 3.23 | 2.90 | 2.05 | 2.50 | 2.82 | 2.73 | 2.79 | |
| 23 | 2.35 | 2.79 | 2.90 | 2.62 | 2.99 | 2.62 | 2.90 | 2.05 | 2.50 | 2.82 | 2.72 | 2.78 | |
| 24 | 2.10 | 2.94 | 2.91 | 2.54 | 2.98 | 2.13 | 2.88 | 2.05 | 2.49 | 2.82 | 2.72 | 2.78 | |
| 25 | 2.02 | 3.16 | 2.92 | 2.52 | 2.91 | 2.05 | 2.86 | 2.11 | 2.49 | 2.86 | 2.71 | 2.79 | |
| 26 | 2.04 | 3.43 | 2.92 | 2.71 | 3.12 | 1.98 | 2.85 | 2.25 | 2.49 | 2.95 | 2.71 | 2.79 | |
| 27 | 2.06 | 3.35 | 2.91 | 2.71 | 3.40 | 2.00 | 2.68 | 2.78 | 2.48 | 3.01 | 2.70 | 2.80 | |
| 28 | 2.25 | 3.06 | 2.91 | 3.24 | 3.58 | 2.01 | 2.43 | 2.81 | 2.48 | 2.97 | 2.70 | 2.80 | |
| 29 | 2.83 | 2.71 | 2.90 | 3.45 | 3.84 | 2.01 | 2.41 | 2.84 | 2.48 | 2.85 | | 2.79 | |
| 30 | 3.19 | 2.47 | 2.92 | 3.52 | 4.36 | 1.99 | 2.39 | 2.82 | 2.47 | 2.80 | | 2.79 | |
| 31 | | 2.45 | | 4.32 | 4.94 | | 2.37 | | 2.47 | 2.80 | | 2.80 | |
| Mean | 2.26 | 2.87 | 2.51 | 3.05 | 3.37 | 3.01 | 2.96 | 2.28 | 2.61 | 2.59 | 2.76 | 2.75 | |
| Max | 3.19 | 3.43 | 3.43 | 4.32 | 5.27 | 5.72 | 3.80 | 2.84 | 2.80 | 3.01 | 2.81 | 2.80 | 5.72 |
| Min | 2.02 | 2.44 | 1.72 | 2.52 | 2.73 | 1.98 | 2.03 | 2.00 | 2.47 | 2.42 | 2.70 | 2.69 | 1.72 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 5.75 | m. (A.D.) , | at 12.00 Hours , on Sep 1 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.20 | m. (A.D.) |
| Left Bank Elevation | 6.37 | m. (A.D.) , | | | |
| Right Bank Elevation | 6.37 | m. (A.D.) , | Drainage Area | | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.60 | 10.88 | 1.50 | 5.60 | 82.14 | 101.04 | 0.26 | 1.12 | 4.40 | 1.68 | 4.30 | 3.40 | | |
| 2 | 0.60 | 9.00 | 1.50 | 5.24 | 74.60 | 93.90 | 1.04 | 1.12 | 4.30 | 1.68 | 4.40 | 3.40 | | |
| 3 | 0.56 | 7.40 | 1.50 | 4.88 | 50.52 | 65.80 | 8.20 | 1.08 | 4.10 | 1.62 | 4.52 | 3.32 | | |
| 4 | 0.56 | 6.40 | 1.50 | 5.24 | 15.56 | 39.98 | 15.30 | 1.04 | 4.00 | 1.62 | 4.52 | 3.40 | | |
| 5 | 0.56 | 6.24 | 1.62 | 7.40 | 7.80 | 7.40 | 13.52 | 1.04 | 3.90 | 1.56 | 4.40 | 3.40 | | |
| 6 | 0.52 | 5.24 | 1.68 | 14.00 | 5.36 | 2.76 | 10.16 | 1.12 | 3.90 | 1.56 | 4.40 | 3.50 | | |
| 7 | 0.48 | 4.88 | 1.62 | 19.12 | 4.64 | 2.44 | 9.44 | 1.12 | 3.80 | 1.50 | 4.30 | 3.50 | | |
| 8 | 0.44 | 4.40 | 1.62 | 14.00 | 4.20 | 2.60 | 14.26 | 1.16 | 3.80 | 1.44 | 4.30 | 3.40 | | |
| 9 | 0.42 | 4.52 | 1.56 | 11.84 | 4.10 | 2.76 | 21.36 | 1.20 | 3.80 | 1.38 | 4.40 | 3.32 | | |
| 10 | 0.36 | 5.00 | 0.84 | 7.80 | 3.90 | 3.00 | 25.30 | 1.20 | 3.80 | 1.32 | 4.40 | 3.40 | | |
| 11 | 0.36 | 5.48 | 0.17 | 7.20 | 3.80 | 3.32 | 28.00 | 1.00 | 3.50 | 1.32 | 4.30 | 3.60 | | |
| 12 | 0.36 | 7.04 | 0.01 | 7.04 | 3.80 | 3.60 | 22.20 | 0.56 | 3.16 | 1.32 | 4.40 | 3.60 | | |
| 13 | 0.36 | 9.92 | 0.02 | 6.88 | 3.70 | 5.36 | 12.08 | 0.26 | 2.84 | 1.32 | 4.30 | 3.90 | | |
| 14 | 0.36 | 10.64 | 0.05 | 6.56 | 4.10 | 12.80 | 8.80 | 0.20 | 2.60 | 1.32 | 4.10 | 4.00 | | |
| 15 | 0.36 | 7.20 | 0.07 | 6.40 | 11.84 | 16.88 | 7.04 | 0.20 | 2.52 | 1.32 | 4.00 | 4.10 | | |
| 16 | 0.36 | 4.88 | 0.09 | 6.40 | 15.82 | 11.60 | 6.08 | 0.22 | 2.36 | 1.32 | 4.00 | 4.30 | | |
| 17 | 0.36 | 4.10 | 0.12 | 6.08 | 10.16 | 6.72 | 5.76 | 0.24 | 2.20 | 1.32 | 4.00 | 4.30 | | |
| 18 | 0.54 | 3.16 | 0.20 | 6.08 | 6.56 | 5.76 | 5.24 | 0.20 | 2.04 | 1.38 | 3.90 | 4.40 | | |
| 19 | 2.20 | 1.96 | 5.92 | 7.04 | 13.76 | 6.24 | 5.36 | 0.26 | 1.88 | 1.50 | 3.90 | 4.40 | | |
| 20 | 4.00 | 1.44 | 17.44 | 12.80 | 26.50 | 11.84 | 5.76 | 0.28 | 1.80 | 1.62 | 3.80 | 4.40 | | |
| 21 | 3.24 | 1.44 | 13.28 | 13.52 | 18.84 | 26.50 | 5.60 | 0.30 | 1.80 | 3.32 | 3.70 | 4.30 | | |
| 22 | 2.28 | 1.56 | 7.60 | 6.08 | 7.20 | 12.32 | 5.60 | 0.30 | 1.80 | 4.64 | 3.70 | 4.30 | | |
| 23 | 1.00 | 4.30 | 5.60 | 2.76 | 7.04 | 2.76 | 5.60 | 0.30 | 1.80 | 4.64 | 3.60 | 4.20 | | |
| 24 | 0.40 | 6.24 | 5.76 | 2.12 | 6.88 | 0.46 | 5.36 | 0.30 | 1.74 | 4.64 | 3.60 | 4.20 | | |
| 25 | 0.24 | 10.64 | 5.92 | 1.96 | 5.76 | 0.30 | 5.12 | 0.42 | 1.74 | 5.12 | 3.50 | 4.30 | | |
| 26 | 0.28 | 17.44 | 5.92 | 3.50 | 9.68 | 0.18 | 5.00 | 0.70 | 1.74 | 6.40 | 3.50 | 4.30 | | |
| 27 | 0.32 | 15.30 | 5.76 | 3.50 | 16.60 | 0.20 | 3.24 | 4.20 | 1.68 | 7.40 | 3.40 | 4.40 | | |
| 28 | 0.70 | 8.40 | 5.76 | 12.56 | 21.64 | 0.22 | 1.38 | 4.52 | 1.68 | 6.72 | 3.40 | 4.40 | | |
| 29 | 4.76 | 3.50 | 5.60 | 18.00 | 29.28 | 0.22 | 1.26 | 4.88 | 1.68 | 5.00 | | 4.30 | | |
| 30 | 11.36 | 1.62 | 5.92 | 19.96 | 46.56 | 0.19 | 1.16 | 4.64 | 1.62 | 4.40 | | 4.30 | | |
| 31 | | 1.50 | | 45.12 | 68.60 | | 1.08 | | 1.62 | 4.40 | | 4.40 | | |
| Total | 38.94 | 191.72 | 106.15 | 296.68 | 590.94 | 449.15 | 265.56 | 35.18 | 83.60 | 85.78 | 113.04 | 122.44 | 2379.18 | CMSDAY |
| Mean | 1.30 | 6.18 | 3.54 | 9.57 | 19.06 | 14.97 | 8.57 | 1.17 | 2.70 | 2.77 | 4.04 | 3.95 | 6.52 | CMS |
| Max | 11.36 | 17.44 | 17.44 | 45.12 | 82.14 | 101.04 | 28.00 | 4.88 | 4.40 | 7.40 | 4.52 | 4.40 | 101.04 | CMS |
| Min | 0.24 | 1.44 | 0.01 | 1.96 | 3.70 | 0.18 | 0.26 | 0.20 | 1.62 | 1.32 | 3.40 | 3.32 | 0.01 | CMS |
| Runoff | 3.36 | 16.56 | 9.17 | 25.63 | 51.06 | 38.81 | 22.94 | 3.04 | 7.22 | 7.41 | 9.77 | 10.58 | 205.56 | MCM |

Momentary Peak 102.30 CMS. at 5.75 m. (A.D.) at 12.00 Hours , on Sep 1 , 2006

Runoff Yield ***** Liters/Second/Square KM. Momentary Peak Yield ***** Liters/Second/Square KM.

## WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Kuang at Ban Mueang Nga, Lamphun (P.89)

Lat 18 - 35 - 45 N Long 99 - 02 - 03 E

**Location : on right bank at Ban Mueang Nga.**

**Ban** Mueang Nga **Amphoe** Mueang **Changwat** Lamphun

| | |
|---|---|
| **Drainge Area** | 60 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +288.860 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank near the gage site. **Elevation** +294.000 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2005 to date |
| **Rating Operation** | |
| **Period of Rating** | 2005 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2005 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 14 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

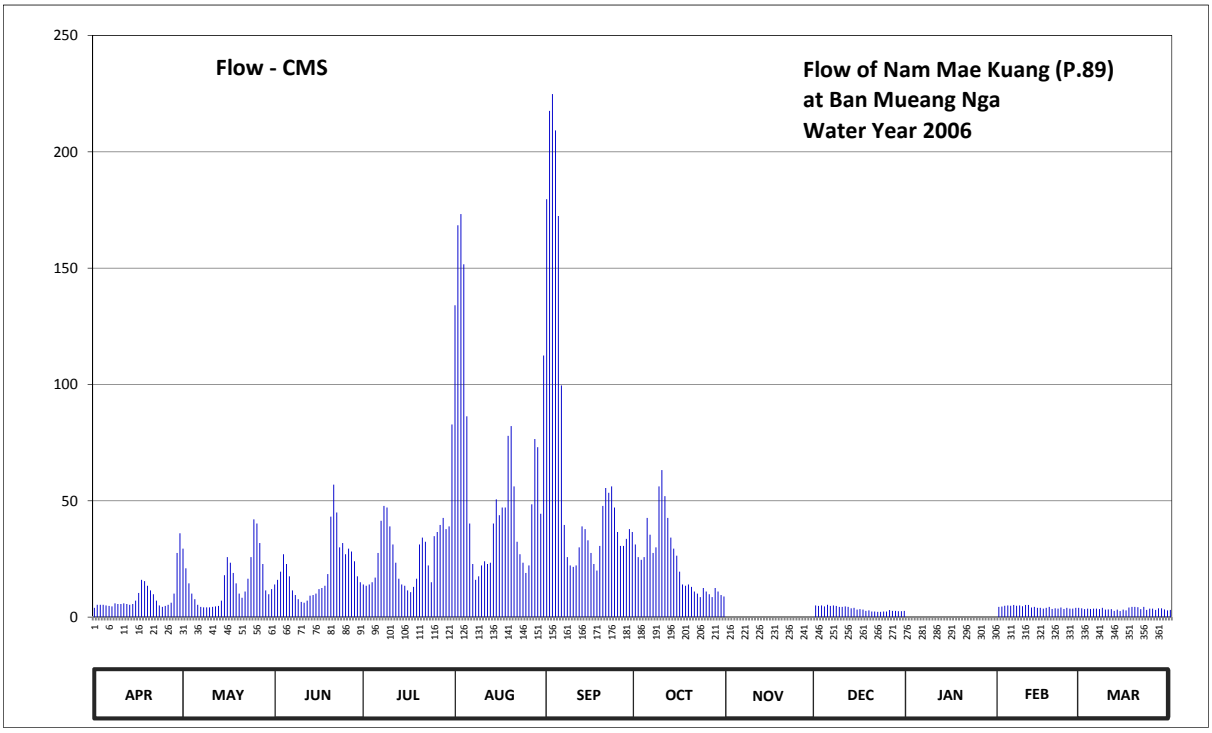
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 289.55 | 290.14 | 289.86 | 289.86 | 291.60 | 292.17 | 290.17 | 269.74 | 289.60 | 284.78 | 289.86 | 289.82 | |
| 2 | 289.61 | 290.00 | 289.90 | 289.85 | 292.03 | 292.64 | 290.08 | 269.74 | 289.59 | 284.76 | 289.87 | 289.79 | |
| 3 | 289.61 | 289.87 | 289.97 | 289.86 | 292.09 | 292.72 | 290.06 | 269.73 | 289.60 | 284.76 | 289.89 | 289.81 | |
| 4 | 289.61 | 289.77 | 290.10 | 289.88 | 291.82 | 292.54 | 290.08 | 269.72 | 289.58 | 284.76 | 289.90 | 289.80 | |
| 5 | 289.60 | 289.69 | 290.03 | 289.92 | 290.99 | 292.08 | 290.36 | 269.70 | 289.61 | 284.81 | 289.89 | 289.81 | |
| 6 | 289.59 | 289.61 | 289.93 | 290.11 | 290.32 | 291.17 | 290.24 | 269.70 | 289.59 | 284.77 | 289.91 | 289.81 | |
| 7 | 289.58 | 289.57 | 289.81 | 290.34 | 290.03 | 290.31 | 290.11 | 269.73 | 289.60 | 284.81 | 289.89 | 289.79 | |
| 8 | 289.63 | 289.56 | 289.75 | 290.44 | 289.90 | 290.08 | 290.15 | 269.69 | 289.59 | 284.83 | 289.90 | 289.83 | |
| 9 | 289.62 | 289.56 | 289.69 | 290.43 | 289.93 | 290.02 | 290.56 | 269.65 | 289.57 | 284.81 | 289.88 | 289.77 | |
| 10 | 289.62 | 289.56 | 289.65 | 290.30 | 290.02 | 290.01 | 290.66 | 269.60 | 289.57 | 284.80 | 289.91 | 289.78 | |
| 11 | 289.63 | 289.57 | 289.64 | 290.17 | 290.05 | 290.02 | 290.50 | 269.59 | 289.58 | 284.81 | 289.91 | 289.79 | |
| 12 | 289.62 | 289.58 | 289.67 | 290.04 | 290.03 | 290.15 | 290.36 | 269.60 | 289.57 | 284.85 | 289.84 | 289.72 | |
| 13 | 289.61 | 289.59 | 289.74 | 289.91 | 290.04 | 290.30 | 290.22 | 269.59 | 289.54 | 284.85 | 289.86 | 289.77 | |
| 14 | 289.62 | 289.67 | 289.75 | 289.86 | 290.32 | 290.28 | 290.14 | 269.61 | 289.55 | 284.88 | 289.83 | 289.71 | |
| 15 | 289.67 | 289.94 | 289.77 | 289.85 | 290.48 | 290.20 | 290.09 | 269.62 | 289.51 | 284.88 | 289.83 | 289.77 | |
| 16 | 289.78 | 290.08 | 289.82 | 289.81 | 290.38 | 290.11 | 289.97 | 269.63 | 289.52 | 284.88 | 289.81 | 289.74 | |
| 17 | 289.90 | 290.04 | 289.83 | 289.79 | 290.43 | 290.03 | 289.86 | 269.62 | 289.51 | 284.88 | 289.83 | 289.84 | |
| 18 | 289.89 | 289.96 | 289.85 | 289.84 | 290.43 | 289.98 | 289.85 | 269.64 | 289.48 | 284.87 | 289.86 | 289.86 | |
| 19 | 289.85 | 289.87 | 289.95 | 289.91 | 290.87 | 290.16 | 289.86 | 269.64 | 289.49 | 284.86 | 289.80 | 289.86 | |
| 20 | 289.81 | 289.77 | 290.37 | 290.17 | 290.93 | 290.44 | 289.84 | 269.64 | 289.46 | 284.87 | 289.82 | 289.85 | |
| 21 | 289.76 | 289.71 | 290.57 | 290.22 | 290.56 | 290.55 | 289.80 | 269.65 | 289.46 | 284.87 | 289.81 | 289.79 | |
| 22 | 289.67 | 289.80 | 290.40 | 290.19 | 290.19 | 290.52 | 289.77 | 269.62 | 289.45 | 284.89 | 289.84 | 289.86 | |
| 23 | 289.60 | 289.91 | 290.15 | 290.02 | 290.10 | 290.56 | 289.72 | 269.63 | 289.45 | 284.89 | 289.80 | 289.76 | |
| 24 | 289.57 | 290.08 | 290.18 | 289.88 | 290.04 | 290.43 | 289.83 | 269.61 | 289.46 | 284.89 | 289.83 | 289.81 | |
| 25 | 289.59 | 290.35 | 290.10 | 290.23 | 289.96 | 290.26 | 289.80 | 269.61 | 289.46 | 284.91 | 289.81 | 289.81 | |
| 26 | 289.61 | 290.32 | 290.14 | 290.26 | 290.02 | 290.16 | 289.76 | 269.61 | 289.50 | 284.92 | 289.81 | 289.76 | |
| 27 | 289.64 | 290.18 | 290.12 | 290.31 | 290.45 | 290.16 | 289.72 | 269.59 | 289.48 | 284.96 | 289.83 | 289.82 | |
| 28 | 289.77 | 290.03 | 290.05 | 290.36 | 290.85 | 290.21 | 289.83 | 269.60 | 289.48 | 284.93 | 289.83 | 289.82 | |
| 29 | 290.11 | 289.81 | 289.93 | 290.28 | 290.80 | 290.28 | 289.80 | 269.58 | 289.47 | 284.88 | | 289.78 | |
| 30 | 290.25 | 289.76 | 289.88 | 290.30 | 290.39 | 290.26 | 289.75 | 269.58 | 289.47 | 284.85 | | 289.74 | |
| 31 | | 289.82 | | 290.94 | 291.33 | | 289.73 | | 289.48 | 284.84 | | 289.76 | |
| Mean | 289.70 | 289.84 | 289.95 | 290.11 | 290.56 | 290.63 | 290.02 | 269.64 | 289.52 | 284.85 | 289.85 | 289.79 | |
| Max | 290.25 | 290.35 | 290.57 | 290.94 | 292.09 | 292.72 | 290.66 | 269.74 | 289.61 | 284.96 | 289.91 | 289.86 | 292.72 |
| Min | 289.55 | 289.56 | 289.64 | 289.79 | 289.90 | 289.98 | 289.72 | 269.58 | 289.45 | 284.76 | 289.80 | 289.71 | 269.58 |

Annual Max Momentary Gage Height 292.73 m. (MSL.) , at 06.00 Hours , on Sep 3 , 2006

Zero Gage at Bottom Elevation 288.86 m. (MSL.) , River Bed 286.81 m. (MSL.)

Left Bank Elevation 294.18 m. (MSL.) ,

Right Bank Elevation 294.09 m. (MSL.) , Drainage Are 60 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.00 | 29.40 | 14.00 | 14.00 | 134.00 | 179.60 | 31.20 | 0.00 | 5.00 | 0.00 | 4.40 | 3.80 | | |
| 2 | 5.30 | 21.00 | 16.00 | 13.50 | 168.40 | 217.60 | 25.80 | 0.00 | 4.80 | 0.00 | 4.55 | 3.40 | | |
| 3 | 5.30 | 14.50 | 19.50 | 14.00 | 173.20 | 224.80 | 24.60 | 0.00 | 5.00 | 0.00 | 4.85 | 3.65 | | |
| 4 | 5.30 | 10.10 | 27.00 | 15.00 | 151.60 | 209.20 | 25.80 | 0.00 | 4.60 | 0.00 | 5.00 | 3.50 | | |
| 5 | 5.00 | 7.70 | 22.80 | 17.00 | 86.30 | 172.40 | 42.60 | 0.00 | 5.30 | 0.00 | 4.85 | 3.65 | | |
| 6 | 4.80 | 5.30 | 17.50 | 27.60 | 40.20 | 99.60 | 35.40 | 0.00 | 4.80 | 0.00 | 5.20 | 3.65 | | |
| 7 | 4.60 | 4.40 | 11.50 | 41.40 | 22.80 | 39.60 | 27.60 | 0.00 | 5.00 | 0.00 | 4.85 | 3.40 | | |
| 8 | 5.90 | 4.20 | 9.50 | 47.80 | 16.00 | 25.80 | 30.00 | 0.00 | 4.80 | 0.00 | 5.00 | 3.95 | | |
| 9 | 5.60 | 4.20 | 7.70 | 47.10 | 17.50 | 22.20 | 56.20 | 0.00 | 4.40 | 0.00 | 4.70 | 3.20 | | |
| 10 | 5.60 | 4.20 | 6.50 | 39.00 | 22.20 | 21.60 | 63.20 | 0.00 | 4.40 | 0.00 | 5.20 | 3.30 | | |
| 11 | 5.90 | 4.40 | 6.20 | 31.20 | 24.00 | 22.20 | 52.00 | 0.00 | 4.60 | 0.00 | 5.20 | 3.40 | | |
| 12 | 5.60 | 4.60 | 7.10 | 23.40 | 22.80 | 30.00 | 42.60 | 0.00 | 4.40 | 0.00 | 4.10 | 2.70 | | |
| 13 | 5.30 | 4.80 | 9.20 | 16.50 | 23.40 | 39.00 | 34.20 | 0.00 | 3.80 | 0.00 | 4.40 | 3.20 | | |
| 14 | 5.60 | 7.10 | 9.50 | 14.00 | 40.20 | 37.80 | 29.40 | 0.00 | 4.00 | 0.00 | 3.95 | 2.60 | | |
| 15 | 7.10 | 18.00 | 10.10 | 13.50 | 50.60 | 33.00 | 26.40 | 0.00 | 3.20 | 0.00 | 3.95 | 3.20 | | |
| 16 | 10.40 | 25.80 | 12.00 | 11.50 | 43.80 | 27.60 | 19.50 | 0.00 | 3.40 | 0.00 | 3.65 | 2.90 | | |
| 17 | 16.00 | 23.40 | 12.50 | 10.70 | 47.10 | 22.80 | 14.00 | 0.00 | 3.20 | 0.00 | 3.95 | 4.10 | | |
| 18 | 15.50 | 19.00 | 13.50 | 13.00 | 47.10 | 20.00 | 13.50 | 0.00 | 2.70 | 0.00 | 4.40 | 4.40 | | |
| 19 | 13.50 | 14.50 | 18.50 | 16.50 | 77.90 | 30.60 | 14.00 | 0.00 | 2.85 | 0.00 | 3.50 | 4.40 | | |
| 20 | 11.50 | 10.10 | 43.20 | 31.20 | 82.10 | 47.80 | 13.00 | 0.00 | 2.40 | 0.00 | 3.80 | 4.25 | | |
| 21 | 9.80 | 8.30 | 56.90 | 34.20 | 56.20 | 55.50 | 11.00 | 0.00 | 2.40 | 0.00 | 3.65 | 3.40 | | |
| 22 | 7.10 | 11.00 | 45.00 | 32.40 | 32.40 | 53.40 | 10.10 | 0.00 | 2.25 | 0.00 | 4.10 | 4.40 | | |
| 23 | 5.00 | 16.50 | 30.00 | 22.20 | 27.00 | 56.20 | 8.60 | 0.00 | 2.25 | 0.00 | 3.50 | 3.10 | | |
| 24 | 4.40 | 25.80 | 31.80 | 15.00 | 23.40 | 47.10 | 12.50 | 0.00 | 2.40 | 0.00 | 3.95 | 3.65 | | |
| 25 | 4.80 | 42.00 | 27.00 | 34.80 | 19.00 | 36.60 | 11.00 | 0.00 | 2.40 | 0.00 | 3.65 | 3.65 | | |
| 26 | 5.30 | 40.20 | 29.40 | 36.60 | 22.20 | 30.60 | 9.80 | 0.00 | 3.00 | 0.00 | 3.65 | 3.10 | | |
| 27 | 6.20 | 31.80 | 28.20 | 39.60 | 48.50 | 30.60 | 8.60 | 0.00 | 2.70 | 0.00 | 3.95 | 3.80 | | |
| 28 | 10.10 | 22.80 | 24.00 | 42.60 | 76.50 | 33.60 | 12.50 | 0.00 | 2.70 | 0.00 | 3.95 | 3.80 | | |
| 29 | 27.60 | 11.50 | 17.50 | 37.80 | 73.00 | 37.80 | 11.00 | 0.00 | 2.55 | 0.00 | | 3.30 | | |
| 30 | 36.00 | 9.80 | 15.00 | 39.00 | 44.40 | 36.60 | 9.50 | 0.00 | 2.55 | 0.00 | | 2.90 | | |
| 31 | | 12.00 | | 82.80 | 112.40 | | 8.90 | | 2.70 | 0.00 | | 3.10 | | |
| Total | 264.10 | 468.40 | 598.60 | 874.90 | 1826.20 | 1941.20 | 734.50 | 0.00 | 110.55 | 0.00 | 119.90 | 108.85 | 7047.20 | CMSDAY |
| Mean | 8.80 | 15.11 | 19.95 | 28.22 | 58.91 | 64.71 | 23.69 | 0.00 | 3.57 | 0.00 | 4.28 | 3.51 | 19.31 | CMS |
| Max | 36.00 | 42.00 | 56.90 | 82.80 | 173.20 | 224.80 | 63.20 | 0.00 | 5.30 | 0.00 | 5.20 | 4.40 | 224.80 | CMS |
| Min | 4.00 | 4.20 | 6.20 | 10.70 | 16.00 | 20.00 | 8.60 | 0.00 | 2.25 | 0.00 | 3.50 | 2.60 | 0.00 | CMS |
| Runoff | 22.82 | 40.47 | 51.72 | 75.59 | 157.78 | 167.72 | 63.46 | 0.00 | 9.55 | 0.00 | 10.36 | 9.40 | 608.88 | MCM |

Momentary Peak 225.70 CMS. at 292.73 m. (MSL.) at 06.00 Hours , on Sep 3 , 2006

Runoff Yield 319.25 Liters/Second/Square KM. Momentary Peak Yield 3731.94 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Setuwaree Bridge , Lampang (W.1C)

Lat 18 - 17 - 51 N Long 99 - 30 - 56 E

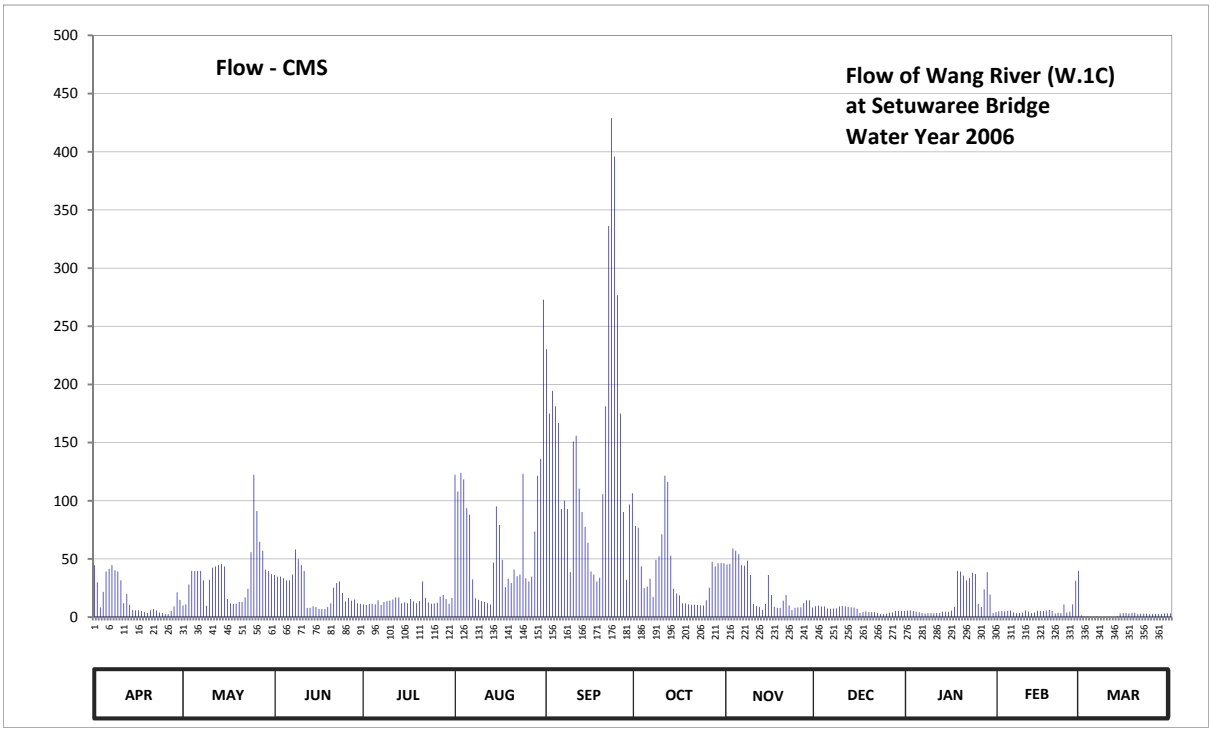
**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Setuwaree Bridge | **Amphoe** Mueang | **Changwat** Lampang |
| **Drainge Area** | 3,478 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +229.300 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the approach of the bridge. | | **Elevation** +234.725 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 1990 - 1998, 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1990 - 1998, 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1990 - 1998, 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 4 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 229.74 | 228.90 | 229.58 | 228.94 | 230.78 | 231.82 | 230.23 | 229.75 | 228.87 | 228.68 | 228.65 | 229.31 | |
| 2 | 229.44 | 228.95 | 229.55 | 228.92 | 230.60 | 231.35 | 230.21 | 229.76 | 228.89 | 228.69 | 228.66 | 228.84 | |
| 3 | 228.82 | 229.40 | 229.55 | 228.96 | 230.80 | 231.52 | 229.72 | 229.98 | 228.86 | 228.66 | 228.65 | 228.79 | |
| 4 | 229.26 | 229.65 | 229.52 | 228.97 | 230.73 | 231.41 | 229.33 | 229.95 | 228.86 | 228.63 | 228.67 | 228.70 | |
| 5 | 229.64 | 229.65 | 229.48 | 228.95 | 230.42 | 231.27 | 229.36 | 229.90 | 228.77 | 228.61 | 228.68 | 228.70 | |
| 6 | 229.68 | 229.65 | 229.48 | 229.07 | 230.35 | 230.41 | 229.51 | 229.74 | 228.76 | 228.57 | 228.60 | 228.75 | |
| 7 | 229.74 | 229.65 | 229.59 | 228.92 | 229.50 | 230.50 | 229.15 | 229.73 | 228.77 | 228.55 | 228.57 | 228.65 | |
| 8 | 229.66 | 229.48 | 229.97 | 229.03 | 229.12 | 230.41 | 229.82 | 229.81 | 228.78 | 228.57 | 228.58 | 228.57 | |
| 9 | 229.64 | 228.89 | 229.83 | 229.05 | 229.08 | 229.63 | 229.87 | 229.58 | 228.86 | 228.57 | 228.59 | 228.54 | |
| 10 | 229.48 | 229.49 | 229.74 | 229.06 | 229.05 | 231.11 | 230.14 | 228.96 | 228.88 | 228.56 | 228.69 | 228.49 | |
| 11 | 229.00 | 229.70 | 229.65 | 229.09 | 229.03 | 231.16 | 230.77 | 228.88 | 228.86 | 228.57 | 228.64 | 228.50 | |
| 12 | 229.22 | 229.72 | 228.79 | 229.14 | 229.00 | 230.63 | 230.70 | 228.84 | 228.84 | 228.58 | 228.57 | 228.51 | |
| 13 | 228.93 | 229.74 | 228.80 | 229.14 | 228.94 | 230.38 | 229.88 | 228.70 | 228.82 | 228.63 | 228.60 | 228.94 | |
| 14 | 228.70 | 229.76 | 228.87 | 228.99 | 229.78 | 230.22 | 229.32 | 228.96 | 228.81 | 228.63 | 228.67 | 229.62 | |
| 15 | 228.69 | 229.72 | 228.83 | 229.02 | 230.44 | 230.05 | 229.23 | 229.58 | 228.76 | 228.63 | 228.66 | 229.68 | |
| 16 | 228.69 | 229.10 | 228.75 | 229.00 | 230.24 | 229.64 | 229.19 | 229.20 | 228.58 | 228.68 | 228.66 | 229.70 | |
| 17 | 228.66 | 228.99 | 228.74 | 229.10 | 229.82 | 229.59 | 229.00 | 228.84 | 228.62 | 228.84 | 228.68 | 229.62 | |
| 18 | 228.61 | 228.96 | 228.75 | 229.04 | 229.35 | 229.46 | 228.99 | 228.80 | 228.65 | 229.65 | 228.70 | 229.72 | |
| 19 | 228.58 | 228.98 | 228.83 | 229.00 | 229.51 | 229.53 | 228.95 | 228.80 | 228.62 | 229.64 | 228.67 | 229.73 | |
| 20 | 228.69 | 229.03 | 228.99 | 229.05 | 229.43 | 230.57 | 228.93 | 229.06 | 228.61 | 229.57 | 228.56 | 229.53 | |
| 21 | 228.75 | 229.03 | 229.34 | 229.46 | 229.67 | 231.41 | 228.93 | 229.20 | 228.61 | 229.48 | 228.59 | 229.61 | |
| 22 | 228.68 | 229.14 | 229.43 | 229.13 | 229.56 | 232.63 | 228.92 | 228.90 | 228.58 | 229.52 | 228.57 | 229.59 | |
| 23 | 228.60 | 229.32 | 229.46 | 229.02 | 229.59 | 233.26 | 228.91 | 228.70 | 228.53 | 229.62 | 228.94 | 229.59 | |
| 24 | 228.57 | 229.93 | 229.24 | 228.98 | 230.79 | 233.04 | 228.90 | 228.80 | 228.52 | 229.60 | 228.60 | 229.52 | |
| 25 | 228.52 | 230.78 | 229.04 | 228.99 | 229.52 | 232.19 | 229.07 | 228.82 | 228.55 | 228.97 | 228.63 | 229.56 | |
| 26 | 228.53 | 230.39 | 229.13 | 229.01 | 229.46 | 231.35 | 229.34 | 228.82 | 228.59 | 228.83 | 228.95 | 229.55 | |
| 27 | 228.67 | 230.06 | 229.06 | 229.16 | 229.55 | 230.38 | 229.79 | 229.00 | 228.60 | 229.31 | 229.47 | 229.54 | |
| 28 | 228.86 | 229.95 | 229.09 | 229.20 | 230.17 | 229.49 | 229.72 | 229.07 | 228.67 | 229.63 | 229.65 | 229.56 | |
| 29 | 229.25 | 229.67 | 228.99 | 229.10 | 230.77 | 230.46 | 229.77 | 229.07 | 228.67 | 229.21 | | 229.62 | |
| 30 | 229.08 | 229.65 | 228.97 | 228.97 | 230.95 | 230.58 | 229.77 | 228.81 | 228.66 | 228.58 | | 229.62 | |
| 31 | | 229.60 | | 229.13 | 232.16 | | 229.77 | | 228.67 | 228.61 | | 229.62 | |
| Mean | 229.01 | 229.51 | 229.23 | 229.05 | 229.94 | 230.85 | 229.52 | 229.20 | 228.71 | 228.93 | 228.72 | 229.23 | |
| Max | 229.74 | 230.78 | 229.97 | 229.46 | 232.16 | 233.26 | 230.77 | 229.98 | 228.89 | 229.65 | 229.65 | 229.73 | 233.26 |
| Min | 228.52 | 228.89 | 228.74 | 228.92 | 228.94 | 229.46 | 228.90 | 228.70 | 228.52 | 228.55 | 228.56 | 228.49 | 228.49 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 233.30 | m. (MSL.) , | at 09.00 Hours , on Sep 23 , 2006 | | |
| Zero Gage at Bottom Elevation | 229.30 | m. (MSL.) , | River Bed | 226.29 | m. (MSL) |
| Left Bank Elevation | 234.39 | m. (MSL.) , | | | |
| Right Bank Elevation | 235.28 | m. (MSL.) , | Drainage Are | 3,478 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44.70 | 10.00 | 36.10 | 10.80 | 122.40 | 230.40 | 78.40 | 45.25 | 9.40 | 5.60 | 5.00 | 1.55 | | |
| 2 | 29.80 | 11.00 | 34.75 | 10.40 | 108.00 | 175.00 | 76.80 | 45.80 | 9.80 | 5.80 | 5.20 | 0.46 | | |
| 3 | 8.40 | 28.00 | 34.75 | 11.20 | 124.00 | 194.40 | 43.60 | 58.80 | 9.20 | 5.20 | 5.00 | 0.39 | | |
| 4 | 21.70 | 39.75 | 33.40 | 11.40 | 118.40 | 181.20 | 24.85 | 57.00 | 9.20 | 4.60 | 5.40 | 0.30 | | |
| 5 | 39.20 | 39.75 | 31.60 | 11.00 | 93.60 | 167.00 | 26.20 | 54.00 | 7.40 | 4.20 | 5.60 | 0.30 | | |
| 6 | 41.40 | 39.75 | 31.60 | 14.45 | 88.00 | 92.80 | 32.95 | 44.70 | 7.20 | 3.40 | 4.00 | 0.35 | | |
| 7 | 44.70 | 39.75 | 36.55 | 10.40 | 32.50 | 100.00 | 17.25 | 44.15 | 7.40 | 3.00 | 3.40 | 0.25 | | |
| 8 | 40.30 | 31.60 | 58.20 | 13.05 | 16.20 | 92.80 | 49.20 | 48.60 | 7.60 | 3.40 | 3.60 | 0.17 | | |
| 9 | 39.20 | 9.80 | 49.80 | 13.75 | 14.80 | 38.65 | 52.20 | 36.10 | 9.20 | 3.40 | 3.80 | 0.14 | | |
| 10 | 31.60 | 32.05 | 44.70 | 14.10 | 13.75 | 151.00 | 71.20 | 11.20 | 9.60 | 3.20 | 5.80 | 0.10 | | |
| 11 | 12.00 | 42.50 | 39.75 | 15.15 | 13.05 | 156.00 | 121.60 | 9.60 | 9.20 | 3.40 | 4.80 | 0.10 | | |
| 12 | 19.90 | 43.60 | 7.80 | 16.90 | 12.00 | 110.40 | 116.00 | 8.80 | 8.80 | 3.60 | 3.40 | 0.11 | | |
| 13 | 10.60 | 44.70 | 8.00 | 16.90 | 10.80 | 90.40 | 52.80 | 6.00 | 8.40 | 4.60 | 4.00 | 0.61 | | |
| 14 | 6.00 | 45.80 | 9.40 | 11.80 | 46.90 | 77.60 | 24.40 | 11.20 | 8.20 | 4.60 | 5.40 | 3.10 | | |
| 15 | 5.80 | 43.60 | 8.60 | 12.70 | 95.20 | 64.00 | 20.35 | 36.10 | 7.20 | 4.60 | 5.20 | 3.40 | | |
| 16 | 5.80 | 15.50 | 7.00 | 12.00 | 79.20 | 39.20 | 18.65 | 19.00 | 3.60 | 5.60 | 5.20 | 3.50 | | |
| 17 | 5.20 | 11.80 | 6.80 | 15.50 | 49.20 | 36.55 | 12.00 | 8.80 | 4.40 | 8.80 | 5.60 | 3.10 | | |
| 18 | 4.20 | 11.20 | 7.00 | 13.40 | 25.75 | 30.70 | 11.80 | 8.00 | 5.00 | 39.75 | 6.00 | 3.60 | | |
| 19 | 3.60 | 11.60 | 8.60 | 12.00 | 32.95 | 33.85 | 11.00 | 8.00 | 4.40 | 39.20 | 5.40 | 3.65 | | |
| 20 | 5.80 | 13.05 | 11.80 | 13.75 | 29.35 | 105.60 | 10.60 | 14.10 | 4.20 | 35.65 | 3.20 | 2.65 | | |
| 21 | 7.00 | 13.05 | 25.30 | 30.70 | 40.85 | 181.20 | 10.60 | 19.00 | 4.20 | 31.60 | 3.80 | 3.05 | | |
| 22 | 5.60 | 16.90 | 29.35 | 16.55 | 35.20 | 336.20 | 10.40 | 10.00 | 3.60 | 33.40 | 3.40 | 2.95 | | |
| 23 | 4.00 | 24.40 | 30.70 | 12.70 | 36.55 | 429.00 | 10.20 | 6.00 | 2.60 | 38.10 | 10.80 | 2.95 | | |
| 24 | 3.40 | 55.80 | 20.80 | 11.60 | 123.20 | 396.00 | 10.00 | 8.00 | 2.40 | 37.00 | 4.00 | 2.60 | | |
| 25 | 2.40 | 122.40 | 13.40 | 11.80 | 33.40 | 276.70 | 14.45 | 8.40 | 3.00 | 11.40 | 4.60 | 2.80 | | |
| 26 | 2.60 | 91.20 | 16.55 | 12.35 | 30.70 | 175.00 | 25.30 | 8.40 | 3.80 | 8.60 | 11.00 | 2.75 | | |
| 27 | 5.40 | 64.80 | 14.10 | 17.60 | 34.75 | 90.40 | 47.45 | 12.00 | 4.00 | 23.95 | 31.15 | 2.70 | | |
| 28 | 9.20 | 57.00 | 15.15 | 19.00 | 73.60 | 32.05 | 43.60 | 14.45 | 5.40 | 38.65 | 39.75 | 2.80 | | |
| 29 | 21.25 | 40.85 | 11.80 | 15.50 | 121.60 | 96.80 | 46.35 | 14.45 | 5.40 | 19.45 | | 3.10 | | |
| 30 | 14.80 | 39.75 | 11.40 | 11.40 | 136.00 | 106.40 | 46.35 | 8.20 | 5.20 | 3.60 | | 3.10 | | |
| 31 | | 37.00 | | 16.55 | 272.80 | | 46.35 | | 5.40 | 4.20 | | 3.10 | | |
| Total | 495.55 | 1127.95 | 694.75 | 436.40 | 2064.70 | 4287.30 | 1182.90 | 684.10 | 194.40 | 441.55 | 203.50 | 59.73 | 11872.83 | CMSDAY |
| Mean | 16.52 | 36.39 | 23.16 | 14.08 | 66.60 | 142.91 | 38.16 | 22.80 | 6.27 | 14.24 | 7.27 | 1.93 | 32.53 | CMS |
| Max | 44.70 | 122.40 | 58.20 | 30.70 | 272.80 | 429.00 | 121.60 | 58.80 | 9.80 | 39.75 | 39.75 | 3.65 | 429.00 | CMS |
| Min | 2.40 | 9.80 | 6.80 | 10.40 | 10.80 | 30.70 | 10.00 | 6.00 | 2.40 | 3.00 | 3.20 | 0.10 | 0.10 | CMS |
| Runoff | 42.82 | 97.45 | 60.03 | 37.70 | 178.39 | 370.42 | 102.20 | 59.11 | 16.80 | 38.15 | 17.58 | 5.16 | 1025.81 | MCM |

Momentary Peak 435.00 CMS. at 233.30 m. (MSL.) at 09.00 Hours , on Sep 23, 2006

Runoff Yield 9.35 Liters/Second/Square KM. Momentary Peak Yield 125.07 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Don Chai , Lampang (W.3A)

Lat 17 - 38 - 28 N Long 99 - 14 - 01 E

**Location : on right bank about 30 meters upstream from Siriyong Bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Don Chai | **Amphoe** Thoen | **Changwat** Lampang |
| **Drainge Area** | 8,924 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +161.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 15 meters from automatic gage building | **Elevation** +167.074 m. (MSL.) | |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1967 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1967 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1967 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. The channel is fulled of the Mimosa pudica plants. | | |
| | Stage-discharge relation defined by 30 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

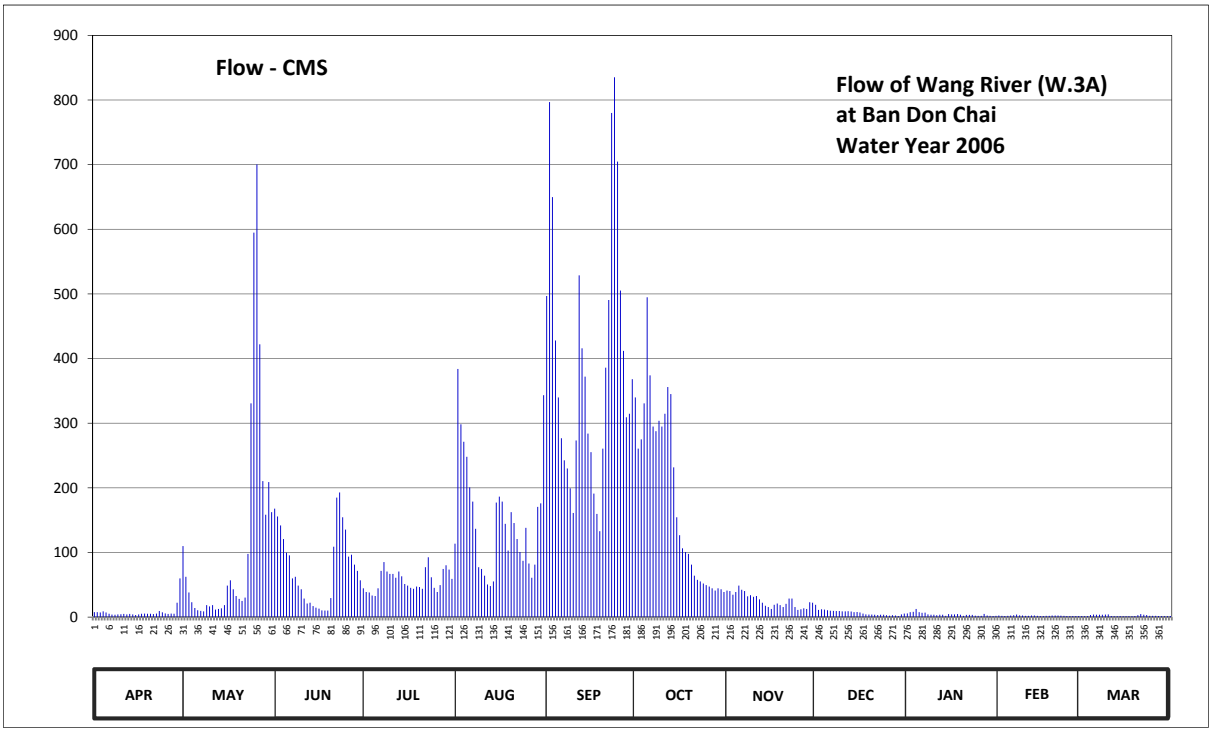
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 160.88 | 162.25 | 162.71 | 161.55 | 162.28 | 164.49 | 163.71 | 161.50 | 161.16 | 160.81 | 160.63 | 160.52 | |
| 2 | 160.88 | 161.78 | 162.62 | 161.47 | 163.94 | 165.82 | 163.27 | 161.49 | 161.00 | 160.88 | 160.59 | 160.47 | |
| 3 | 160.86 | 161.46 | 162.51 | 161.46 | 163.48 | 165.19 | 163.35 | 161.41 | 161.02 | 160.90 | 160.55 | 160.52 | |
| 4 | 160.92 | 161.23 | 162.34 | 161.39 | 163.33 | 164.16 | 163.66 | 161.47 | 161.01 | 161.03 | 160.57 | 160.67 | |
| 5 | 160.86 | 161.06 | 162.16 | 161.38 | 163.20 | 163.71 | 164.48 | 161.61 | 160.99 | 160.88 | 160.62 | 160.71 | |
| 6 | 160.78 | 160.99 | 162.12 | 161.55 | 162.93 | 163.36 | 163.89 | 161.52 | 160.96 | 160.84 | 160.66 | 160.70 | |
| 7 | 160.71 | 160.95 | 161.75 | 161.88 | 162.79 | 163.17 | 163.46 | 161.49 | 160.95 | 160.85 | 160.71 | 160.69 | |
| 8 | 160.69 | 160.92 | 161.78 | 162.02 | 162.47 | 163.10 | 163.42 | 161.37 | 160.94 | 160.73 | 160.64 | 160.70 | |
| 9 | 160.73 | 161.15 | 161.61 | 161.87 | 161.94 | 162.92 | 163.51 | 161.40 | 160.94 | 160.70 | 160.62 | 160.71 | |
| 10 | 160.74 | 161.11 | 161.53 | 161.83 | 161.91 | 162.66 | 163.46 | 161.36 | 160.92 | 160.69 | 160.59 | 160.73 | |
| 11 | 160.77 | 161.15 | 161.32 | 161.83 | 161.80 | 163.34 | 163.57 | 161.38 | 160.92 | 160.65 | 160.59 | 160.53 | |
| 12 | 160.72 | 161.01 | 161.20 | 161.76 | 161.63 | 164.64 | 163.80 | 161.30 | 160.93 | 160.70 | 160.63 | 160.45 | |
| 13 | 160.77 | 161.03 | 161.22 | 161.87 | 161.60 | 164.10 | 163.74 | 161.22 | 160.91 | 160.70 | 160.62 | 160.47 | |
| 14 | 160.72 | 161.05 | 161.12 | 161.79 | 161.69 | 163.88 | 163.11 | 161.13 | 160.88 | 160.58 | 160.57 | 160.48 | |
| 15 | 160.67 | 161.15 | 161.07 | 161.64 | 162.78 | 163.40 | 162.61 | 161.09 | 160.89 | 160.76 | 160.53 | 160.47 | |
| 16 | 160.72 | 161.61 | 161.04 | 161.61 | 162.84 | 163.24 | 162.39 | 161.03 | 160.86 | 160.72 | 160.54 | 160.46 | |
| 17 | 160.78 | 161.71 | 160.98 | 161.56 | 162.79 | 162.87 | 162.22 | 161.16 | 160.80 | 160.73 | 160.59 | 160.45 | |
| 18 | 160.79 | 161.53 | 160.97 | 161.54 | 162.53 | 162.65 | 162.17 | 161.20 | 160.73 | 160.75 | 160.59 | 160.46 | |
| 19 | 160.78 | 161.38 | 160.97 | 161.59 | 162.19 | 162.44 | 162.14 | 161.15 | 160.71 | 160.70 | 160.63 | 160.49 | |
| 20 | 160.78 | 161.31 | 161.33 | 161.58 | 162.67 | 163.27 | 161.98 | 161.09 | 160.71 | 160.59 | 160.62 | 160.66 | |
| 21 | 160.76 | 161.26 | 162.24 | 161.54 | 162.54 | 163.95 | 161.80 | 161.19 | 160.70 | 160.68 | 160.62 | 160.75 | |
| 22 | 160.80 | 161.34 | 162.83 | 161.94 | 162.34 | 164.46 | 161.72 | 161.32 | 160.67 | 160.68 | 160.61 | 160.70 | |
| 23 | 160.94 | 162.14 | 162.88 | 162.09 | 162.17 | 165.75 | 161.69 | 161.32 | 160.69 | 160.68 | 160.58 | 160.67 | |
| 24 | 160.87 | 163.66 | 162.61 | 161.77 | 162.04 | 165.98 | 161.65 | 161.09 | 160.70 | 160.61 | 160.55 | 160.59 | |
| 25 | 160.81 | 164.94 | 162.46 | 161.56 | 162.48 | 165.43 | 161.62 | 161.00 | 160.66 | 160.60 | 160.50 | 160.59 | |
| 26 | 160.77 | 165.41 | 162.10 | 161.47 | 162.00 | 164.53 | 161.59 | 161.02 | 160.61 | 160.60 | 160.48 | 160.56 | |
| 27 | 160.79 | 164.13 | 162.13 | 161.62 | 161.76 | 164.08 | 161.55 | 161.05 | 160.65 | 160.77 | 160.52 | 160.54 | |
| 28 | 160.78 | 162.99 | 161.98 | 161.91 | 161.98 | 163.54 | 161.50 | 161.03 | 160.63 | 160.63 | 160.51 | 160.47 | |
| 29 | 161.22 | 162.64 | 161.88 | 161.97 | 162.73 | 163.57 | 161.55 | 161.23 | 160.55 | 160.56 | | 160.47 | |
| 30 | 161.75 | 162.98 | 161.71 | 161.90 | 162.77 | 163.86 | 161.53 | 161.22 | 160.72 | 160.54 | | 160.47 | |
| 31 | | 162.67 | | 161.74 | 163.73 | | 161.47 | | 160.79 | 160.59 | | 160.52 | |
| Mean | 160.83 | 161.94 | 161.84 | 161.70 | 162.49 | 163.92 | 162.63 | 161.26 | 160.83 | 160.71 | 160.59 | 160.57 | |
| Max | 161.75 | 165.41 | 162.88 | 162.09 | 163.94 | 165.98 | 164.48 | 161.61 | 161.16 | 161.03 | 160.71 | 160.75 | 165.98 |
| Min | 160.67 | 160.92 | 160.97 | 161.38 | 161.60 | 162.44 | 161.47 | 161.00 | 160.55 | 160.54 | 160.48 | 160.45 | 160.45 |

Annual Max Momentary Gage Height 166.00 m. (MSL.) , at 10.00 Hours , on Sep 24, 2006

Zero Gage at Bottom Elevation 161.00 m. (MSL.) , River Bed 159.24 m. (MSL.)

Left Bank Elevation 169.08 m. (MSL.) ,

Right Bank Elevation 169.01 m. (MSL.) , Drainage Are 8,924 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.70 | 110.00 | 167.85 | 44.50 | 113.60 | 496.90 | 339.80 | 41.00 | 19.00 | 5.78 | 2.53 | 1.73 | | |
| 2 | 7.70 | 62.40 | 155.70 | 38.90 | 384.00 | 796.80 | 260.60 | 40.30 | 11.00 | 7.70 | 1.97 | 1.57 | | |
| 3 | 7.15 | 38.20 | 141.75 | 38.20 | 298.40 | 649.80 | 275.00 | 34.70 | 12.00 | 8.25 | 1.83 | 1.73 | | |
| 4 | 8.80 | 22.95 | 120.80 | 33.35 | 271.40 | 428.00 | 330.80 | 38.90 | 11.50 | 12.50 | 1.90 | 3.23 | | |
| 5 | 7.15 | 14.00 | 99.80 | 32.70 | 248.00 | 339.80 | 494.80 | 48.80 | 10.73 | 7.70 | 2.35 | 3.93 | | |
| 6 | 5.15 | 10.73 | 95.60 | 44.50 | 200.80 | 276.80 | 374.00 | 42.40 | 9.90 | 6.60 | 3.05 | 3.75 | | |
| 7 | 3.93 | 9.63 | 60.00 | 71.60 | 178.65 | 242.60 | 294.80 | 40.30 | 9.63 | 6.88 | 3.93 | 3.58 | | |
| 8 | 3.58 | 8.80 | 62.40 | 85.10 | 136.75 | 230.00 | 287.60 | 32.05 | 9.35 | 4.28 | 2.70 | 3.75 | | |
| 9 | 4.28 | 18.50 | 48.80 | 70.65 | 77.30 | 199.20 | 303.80 | 34.00 | 9.35 | 3.75 | 2.35 | 3.93 | | |
| 10 | 4.45 | 16.50 | 43.10 | 66.85 | 74.45 | 161.10 | 294.80 | 31.40 | 8.80 | 3.58 | 1.97 | 4.28 | | |
| 11 | 4.98 | 18.50 | 28.80 | 66.85 | 64.00 | 273.20 | 314.60 | 32.70 | 8.80 | 2.88 | 1.97 | 1.77 | | |
| 12 | 4.10 | 11.50 | 21.00 | 60.80 | 50.40 | 528.80 | 356.00 | 27.50 | 9.08 | 3.75 | 2.53 | 1.50 | | |
| 13 | 4.98 | 12.50 | 22.30 | 70.65 | 48.00 | 416.00 | 345.20 | 22.30 | 8.53 | 3.75 | 2.35 | 1.57 | | |
| 14 | 4.10 | 13.50 | 17.00 | 63.20 | 55.20 | 372.00 | 231.80 | 17.50 | 7.70 | 1.93 | 1.90 | 1.60 | | |
| 15 | 3.23 | 18.50 | 14.50 | 51.20 | 177.30 | 284.00 | 154.35 | 15.50 | 7.98 | 4.80 | 1.77 | 1.57 | | |
| 16 | 4.10 | 48.80 | 13.00 | 48.80 | 186.40 | 255.20 | 126.80 | 12.50 | 7.15 | 4.10 | 1.80 | 1.53 | | |
| 17 | 5.15 | 56.80 | 10.45 | 45.20 | 178.65 | 191.20 | 106.40 | 19.00 | 5.50 | 4.28 | 1.97 | 1.50 | | |
| 18 | 5.33 | 43.10 | 10.18 | 43.80 | 144.25 | 159.75 | 100.85 | 21.00 | 4.28 | 4.63 | 1.97 | 1.53 | | |
| 19 | 5.15 | 32.70 | 10.18 | 47.30 | 102.95 | 133.00 | 97.70 | 18.50 | 3.93 | 3.75 | 2.53 | 1.63 | | |
| 20 | 5.15 | 28.15 | 29.45 | 46.60 | 162.45 | 260.60 | 81.10 | 15.50 | 3.93 | 1.97 | 2.35 | 3.05 | | |
| 21 | 4.80 | 24.90 | 108.80 | 43.80 | 145.50 | 386.00 | 64.00 | 20.50 | 3.75 | 3.40 | 2.35 | 4.63 | | |
| 22 | 5.50 | 30.10 | 184.80 | 77.30 | 120.80 | 490.60 | 57.60 | 28.80 | 3.23 | 3.40 | 2.18 | 3.75 | | |
| 23 | 9.35 | 97.70 | 192.80 | 92.45 | 100.85 | 780.00 | 55.20 | 28.80 | 3.58 | 3.40 | 1.93 | 3.23 | | |
| 24 | 7.43 | 330.80 | 154.35 | 61.60 | 87.20 | 835.20 | 52.00 | 15.50 | 3.75 | 2.18 | 1.83 | 1.97 | | |
| 25 | 5.78 | 594.80 | 135.50 | 45.20 | 138.00 | 704.90 | 49.60 | 11.00 | 3.05 | 2.00 | 1.67 | 1.97 | | |
| 26 | 4.98 | 700.30 | 93.50 | 38.90 | 83.00 | 505.30 | 47.30 | 12.00 | 2.18 | 2.00 | 1.60 | 1.87 | | |
| 27 | 5.33 | 422.00 | 96.65 | 49.60 | 60.80 | 412.00 | 44.50 | 13.50 | 2.88 | 4.98 | 1.73 | 1.80 | | |
| 28 | 5.15 | 210.40 | 81.10 | 74.45 | 81.10 | 309.20 | 41.00 | 12.50 | 2.53 | 2.53 | 1.70 | 1.57 | | |
| 29 | 22.30 | 158.40 | 71.60 | 80.15 | 170.55 | 314.60 | 44.50 | 22.95 | 1.83 | 1.87 | | 1.57 | | |
| 30 | 60.00 | 208.80 | 56.80 | 73.50 | 175.95 | 368.00 | 43.10 | 22.30 | 4.10 | 1.80 | | 1.57 | | |
| 31 | | 162.45 | | 59.20 | 343.40 | | 38.90 | | 5.33 | 1.97 | | 1.73 | | |
| Total | 236.78 | 3536.41 | 2348.56 | 1766.90 | 4660.10 | 11800.55 | 5708.50 | 773.70 | 214.35 | 132.39 | 60.71 | 74.39 | 31313.34 | CMSDAY |
| Mean | 7.89 | 114.08 | 78.29 | 57.00 | 150.33 | 393.35 | 184.15 | 25.79 | 6.91 | 4.27 | 2.17 | 2.40 | 85.79 | CMS |
| Max | 60.00 | 700.30 | 192.80 | 92.45 | 384.00 | 835.20 | 494.80 | 48.80 | 19.00 | 12.50 | 3.93 | 4.63 | 835.20 | CMS |
| Min | 3.23 | 8.80 | 10.18 | 32.70 | 48.00 | 133.00 | 38.90 | 11.00 | 1.83 | 1.80 | 1.60 | 1.50 | 1.50 | CMS |
| Runoff | 20.46 | 305.55 | 202.92 | 152.66 | 402.63 | 1019.57 | 493.21 | 66.85 | 18.52 | 11.44 | 5.25 | 6.43 | 2705.47 | MCM |

Momentary Peak 840.00 CMS. at 166.00 m. (MSL.) at 10.00 Hours , on Sep 24, 2006

Runoff Yield 9.61 Liters/Second/Square KM. Momentary Peak Yield 94.12 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Wang Man , Tak (W.4A)

Lat 17 - 12 - 19 N Long 99 - 06 - 05 E

**Location : on left bank about 200 meters upstream from the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Man | **Amphoe** Sam Ngao | **Changwat** Tak |
| **Drainge Area** | 10,439 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +130.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | In front of Wat Wang Man | | **Elevation** +141.997 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1968 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1971 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1971 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

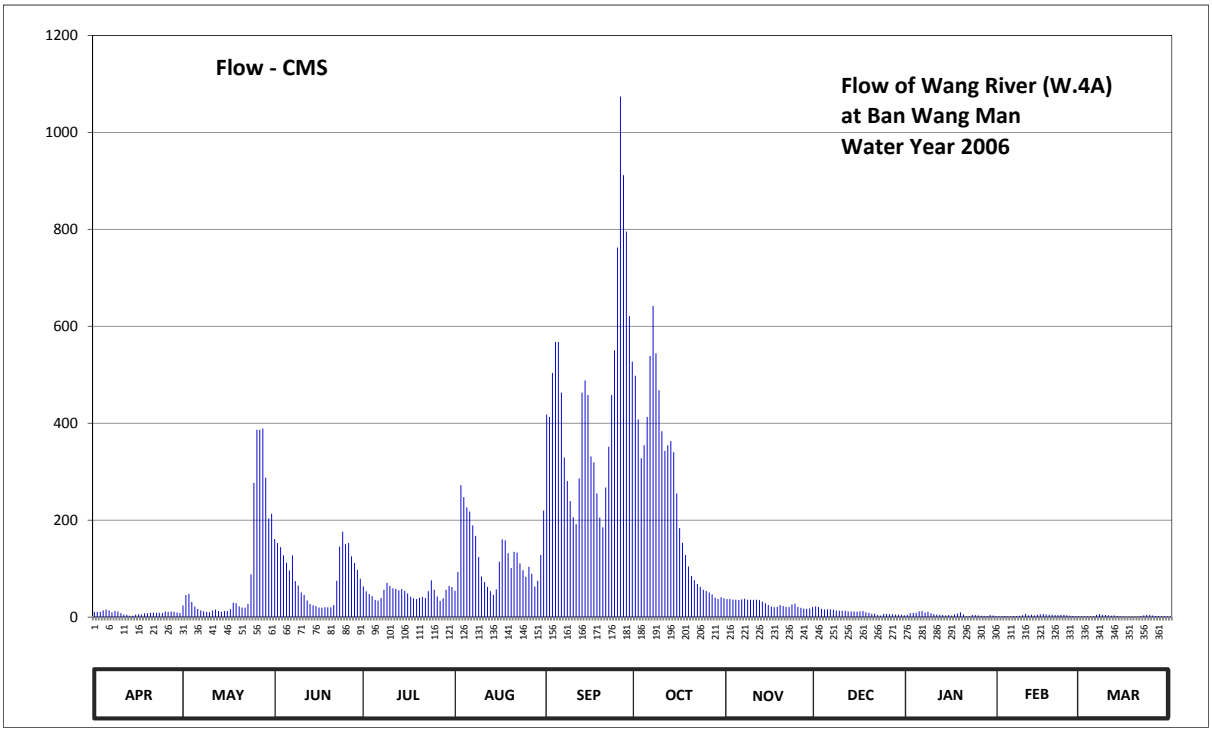
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 131.28 | 131.70 | 134.13 | 132.57 | 132.39 | 136.04 | 136.20 | 132.03 | 131.65 | 130.97 | 130.74 | 130.75 | |
| 2 | 131.28 | 132.20 | 134.01 | 132.36 | 133.10 | 136.03 | 136.02 | 132.03 | 131.62 | 131.16 | 130.74 | 130.75 | |
| 3 | 131.28 | 132.25 | 133.89 | 132.24 | 135.35 | 136.21 | 135.73 | 132.00 | 131.51 | 131.17 | 130.82 | 130.72 | |
| 4 | 131.40 | 131.88 | 133.65 | 132.15 | 135.14 | 136.32 | 135.85 | 132.00 | 131.46 | 131.20 | 130.73 | 130.69 | |
| 5 | 131.45 | 131.64 | 133.42 | 131.99 | 134.93 | 136.32 | 136.03 | 131.98 | 131.47 | 131.31 | 130.73 | 130.70 | |
| 6 | 131.39 | 131.49 | 133.15 | 131.95 | 134.84 | 136.13 | 136.27 | 132.01 | 131.47 | 131.34 | 130.82 | 130.97 | |
| 7 | 131.24 | 131.39 | 133.65 | 132.07 | 134.49 | 135.74 | 136.44 | 132.04 | 131.44 | 131.21 | 130.82 | 131.05 | |
| 8 | 131.34 | 131.32 | 132.77 | 132.43 | 134.22 | 135.42 | 136.28 | 132.00 | 131.38 | 131.27 | 130.84 | 130.99 | |
| 9 | 131.30 | 131.28 | 132.60 | 132.70 | 133.60 | 135.06 | 136.14 | 132.00 | 131.37 | 131.14 | 130.93 | 130.95 | |
| 10 | 131.16 | 131.25 | 132.31 | 132.59 | 132.94 | 134.70 | 135.95 | 131.99 | 131.37 | 131.07 | 131.06 | 130.93 | |
| 11 | 131.01 | 131.38 | 132.21 | 132.49 | 132.73 | 134.52 | 135.81 | 132.00 | 131.35 | 131.02 | 130.91 | 130.87 | |
| 12 | 130.99 | 131.45 | 131.96 | 132.46 | 132.55 | 135.46 | 135.85 | 131.97 | 131.32 | 131.00 | 130.99 | 130.90 | |
| 13 | 130.87 | 131.34 | 131.78 | 132.40 | 132.37 | 136.13 | 135.88 | 131.90 | 131.30 | 130.96 | 130.91 | 130.82 | |
| 14 | 130.86 | 131.28 | 131.71 | 132.46 | 132.21 | 136.18 | 135.80 | 131.82 | 131.30 | 130.91 | 130.99 | 130.72 | |
| 15 | 131.02 | 131.34 | 131.67 | 132.39 | 132.44 | 136.12 | 135.21 | 131.73 | 131.29 | 130.94 | 131.03 | 130.64 | |
| 16 | 131.05 | 131.34 | 131.59 | 132.27 | 133.45 | 135.75 | 134.42 | 131.64 | 131.31 | 130.89 | 131.07 | 130.59 | |
| 17 | 131.01 | 131.47 | 131.58 | 132.13 | 134.12 | 135.68 | 134.02 | 131.61 | 131.34 | 131.03 | 131.01 | 130.55 | |
| 18 | 131.15 | 131.84 | 131.61 | 132.06 | 134.09 | 135.21 | 133.66 | 131.63 | 131.24 | 131.11 | 131.00 | 130.55 | |
| 19 | 131.15 | 131.82 | 131.60 | 132.03 | 133.71 | 134.69 | 133.29 | 131.72 | 131.20 | 131.23 | 130.99 | 130.55 | |
| 20 | 131.20 | 131.65 | 131.60 | 132.08 | 133.24 | 134.44 | 132.96 | 131.67 | 131.10 | 131.03 | 130.95 | 130.56 | |
| 21 | 131.21 | 131.59 | 131.72 | 132.12 | 133.75 | 135.31 | 132.80 | 131.63 | 131.09 | 130.75 | 130.95 | 130.77 | |
| 22 | 131.20 | 131.58 | 132.78 | 132.07 | 133.73 | 135.84 | 132.66 | 131.62 | 130.98 | 130.74 | 130.98 | 130.90 | |
| 23 | 131.20 | 131.78 | 133.91 | 132.37 | 133.40 | 136.12 | 132.55 | 131.75 | 130.88 | 130.98 | 130.97 | 130.97 | |
| 24 | 131.17 | 133.02 | 134.33 | 132.80 | 133.16 | 136.29 | 132.43 | 131.79 | 131.08 | 130.96 | 130.92 | 130.97 | |
| 25 | 131.30 | 135.39 | 133.98 | 132.43 | 132.93 | 136.61 | 132.38 | 131.63 | 131.08 | 130.90 | 130.86 | 130.89 | |
| 26 | 131.28 | 135.96 | 134.01 | 132.14 | 133.28 | 136.91 | 132.31 | 131.57 | 131.05 | 130.87 | 130.81 | 130.81 | |
| 27 | 131.30 | 135.96 | 133.62 | 131.93 | 133.04 | 136.79 | 132.23 | 131.52 | 131.05 | 130.85 | 130.75 | 130.77 | |
| 28 | 131.27 | 135.97 | 133.41 | 132.06 | 132.56 | 136.65 | 132.09 | 131.51 | 131.02 | 130.83 | 130.73 | 130.74 | |
| 29 | 131.22 | 135.47 | 133.17 | 132.43 | 132.78 | 136.41 | 132.03 | 131.53 | 131.02 | 130.95 | | 130.71 | |
| 30 | 131.17 | 134.67 | 132.86 | 132.59 | 133.66 | 136.25 | 132.10 | 131.62 | 131.00 | 130.88 | | 130.67 | |
| 31 | | 134.79 | | 132.54 | 134.86 | | 132.06 | | 130.94 | 130.80 | | 130.64 | |
| Mean | 131.19 | 132.50 | 132.82 | 132.30 | 133.52 | 135.84 | 134.30 | 131.80 | 131.25 | 131.02 | 130.89 | 130.78 | |
| Max | 131.45 | 135.97 | 134.33 | 132.80 | 135.35 | 136.91 | 136.44 | 132.04 | 131.65 | 131.34 | 131.07 | 131.05 | 136.91 |
| Min | 130.86 | 131.25 | 131.58 | 131.93 | 132.21 | 134.44 | 132.03 | 131.51 | 130.88 | 130.74 | 130.73 | 130.55 | 130.55 |

Annual Max Momentary Gage Height 136.92 m. (MSL.) , at 06.00 Hours , on Sep 26, 2006

Zero Gage at Bottom Elevation 130.00 m. (MSL.) , River Bed 129.21 m. (MSL.)

Left Bank Elevation 141.86 m. (MSL.) ,

Right Bank Elevation 141.80 m. (MSL.) , Drainage Are 10,439 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.00 | 24.00 | 161.10 | 63.50 | 54.53 | 418.00 | 498.00 | 37.43 | 22.00 | 4.55 | 1.70 | 1.75 | | |
| 2 | 11.00 | 45.50 | 152.70 | 53.10 | 93.00 | 413.00 | 408.00 | 37.43 | 20.80 | 8.20 | 1.70 | 1.75 | | |
| 3 | 11.00 | 47.88 | 144.30 | 47.40 | 272.00 | 503.80 | 327.75 | 36.00 | 17.30 | 8.40 | 2.30 | 1.60 | | |
| 4 | 14.00 | 31.20 | 127.50 | 43.13 | 247.70 | 567.60 | 354.50 | 36.00 | 15.80 | 9.00 | 1.65 | 1.45 | | |
| 5 | 15.50 | 21.60 | 112.30 | 35.60 | 226.35 | 567.60 | 413.00 | 35.20 | 16.10 | 11.75 | 1.65 | 1.50 | | |
| 6 | 13.75 | 16.70 | 96.00 | 34.00 | 217.80 | 463.00 | 538.60 | 36.48 | 16.10 | 12.50 | 2.30 | 4.55 | | |
| 7 | 10.00 | 13.75 | 127.50 | 39.33 | 189.20 | 329.50 | 642.00 | 37.90 | 15.20 | 9.25 | 2.30 | 6.00 | | |
| 8 | 12.50 | 12.00 | 74.35 | 56.50 | 167.60 | 280.70 | 544.40 | 36.00 | 13.50 | 10.75 | 2.60 | 4.85 | | |
| 9 | 11.50 | 11.00 | 65.00 | 70.50 | 124.00 | 239.30 | 468.00 | 36.00 | 13.25 | 7.80 | 3.95 | 4.25 | | |
| 10 | 8.20 | 10.25 | 50.73 | 64.50 | 83.70 | 206.00 | 383.50 | 35.60 | 13.25 | 6.40 | 6.20 | 3.95 | | |
| 11 | 5.20 | 13.50 | 45.98 | 59.50 | 72.15 | 191.60 | 342.90 | 36.00 | 12.75 | 5.40 | 3.65 | 3.05 | | |
| 12 | 4.85 | 15.50 | 34.40 | 58.00 | 62.50 | 286.10 | 354.50 | 34.80 | 12.00 | 5.00 | 4.85 | 3.50 | | |
| 13 | 3.05 | 12.50 | 27.20 | 55.00 | 53.58 | 463.00 | 363.20 | 32.00 | 11.50 | 4.40 | 3.65 | 2.30 | | |
| 14 | 2.90 | 11.00 | 24.40 | 58.00 | 45.98 | 488.00 | 340.00 | 28.80 | 11.50 | 3.65 | 4.85 | 1.60 | | |
| 15 | 5.40 | 12.50 | 22.80 | 54.53 | 57.00 | 458.00 | 255.20 | 25.20 | 11.25 | 4.10 | 5.60 | 1.20 | | |
| 16 | 6.00 | 12.50 | 19.70 | 48.83 | 114.25 | 331.25 | 183.60 | 21.60 | 11.75 | 3.35 | 6.40 | 0.98 | | |
| 17 | 5.20 | 16.10 | 19.40 | 42.18 | 160.40 | 319.00 | 153.40 | 20.40 | 12.50 | 5.60 | 5.20 | 0.88 | | |
| 18 | 8.00 | 29.60 | 20.40 | 38.85 | 158.30 | 255.20 | 128.20 | 21.20 | 10.00 | 7.20 | 5.00 | 0.88 | | |
| 19 | 8.00 | 28.80 | 20.00 | 37.43 | 131.70 | 205.20 | 104.40 | 24.80 | 9.00 | 9.75 | 4.85 | 0.88 | | |
| 20 | 9.00 | 22.00 | 20.00 | 39.80 | 101.40 | 185.20 | 84.80 | 22.80 | 7.00 | 5.60 | 4.25 | 0.90 | | |
| 21 | 9.25 | 19.70 | 24.80 | 41.70 | 134.50 | 267.20 | 76.00 | 21.20 | 6.80 | 1.75 | 4.25 | 1.85 | | |
| 22 | 9.00 | 19.40 | 74.90 | 39.33 | 133.10 | 351.60 | 68.30 | 20.80 | 4.70 | 1.70 | 4.70 | 3.50 | | |
| 23 | 9.00 | 27.20 | 145.70 | 53.58 | 111.00 | 458.00 | 62.50 | 26.00 | 3.20 | 4.70 | 4.55 | 4.55 | | |
| 24 | 8.40 | 88.20 | 176.40 | 76.00 | 96.60 | 550.20 | 56.50 | 27.60 | 6.60 | 4.40 | 3.80 | 4.55 | | |
| 25 | 11.50 | 276.80 | 150.60 | 56.50 | 83.15 | 762.30 | 54.05 | 21.20 | 6.60 | 3.50 | 2.90 | 3.35 | | |
| 26 | 11.00 | 386.40 | 152.70 | 42.65 | 103.80 | 1074.00 | 50.73 | 19.10 | 6.00 | 3.05 | 2.15 | 2.15 | | |
| 27 | 11.50 | 386.40 | 125.40 | 33.20 | 89.40 | 911.70 | 46.93 | 17.60 | 6.00 | 2.75 | 1.75 | 1.85 | | |
| 28 | 10.75 | 389.30 | 111.65 | 38.85 | 63.00 | 795.50 | 40.28 | 17.30 | 5.40 | 2.45 | 1.65 | 1.70 | | |
| 29 | 9.50 | 287.45 | 97.20 | 56.50 | 74.90 | 621.00 | 37.43 | 17.90 | 5.40 | 4.25 | | 1.55 | | |
| 30 | 8.40 | 203.60 | 79.30 | 64.50 | 128.20 | 527.00 | 40.75 | 20.80 | 5.00 | 3.20 | | 1.35 | | |
| 31 | | 213.20 | | 62.00 | 219.70 | | 38.85 | | 4.10 | 2.00 | | 1.20 | | |
| Total | 274.35 | 2705.53 | 2504.41 | 1564.49 | 3870.49 | 13489.55 | 7460.27 | 841.14 | 332.35 | 176.40 | 100.40 | 75.42 | 33394.80 | CMSDAY |
| Mean | 9.15 | 87.28 | 83.48 | 50.47 | 124.85 | 449.65 | 240.65 | 28.04 | 10.72 | 5.69 | 3.59 | 2.43 | 91.49 | CMS |
| Max | 15.50 | 389.30 | 176.40 | 76.00 | 272.00 | 1074.00 | 642.00 | 37.90 | 22.00 | 12.50 | 6.40 | 6.00 | 1074.00 | CMS |
| Min | 2.90 | 10.25 | 19.40 | 33.20 | 45.98 | 185.20 | 37.43 | 17.30 | 3.20 | 1.70 | 1.65 | 0.88 | 0.88 | CMS |
| Runoff | 23.70 | 233.76 | 216.38 | 135.17 | 334.41 | 1165.50 | 644.57 | 72.67 | 28.72 | 15.24 | 8.67 | 6.52 | 2885.31 | MCM |

Momentary Peak 1088.00 CMS. at 136.92 m. (MSL.) at 06.00 Hours , on Sep 26, 2006

Runoff Yield 8.71 Liters/Second/Square KM. Momentary Peak Yield 103.55 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Don Mun , Lampang (W.10A)

Lat 18 - 31 - 16 N Long 99 - 37 - 52 E

**Location : on left bank at Ban Don Mun**

| | | | |
|---|---|---|---|
| | **Ban** Don Mun | **Amphoe** Mueang | **Changwat** Lampang |
| **Drainge Area** | 2,798 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +259.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the bridge. | | **Elevation** +270.290 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1984 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1984 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1984 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good.Stage-discharge relation defined by 28 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

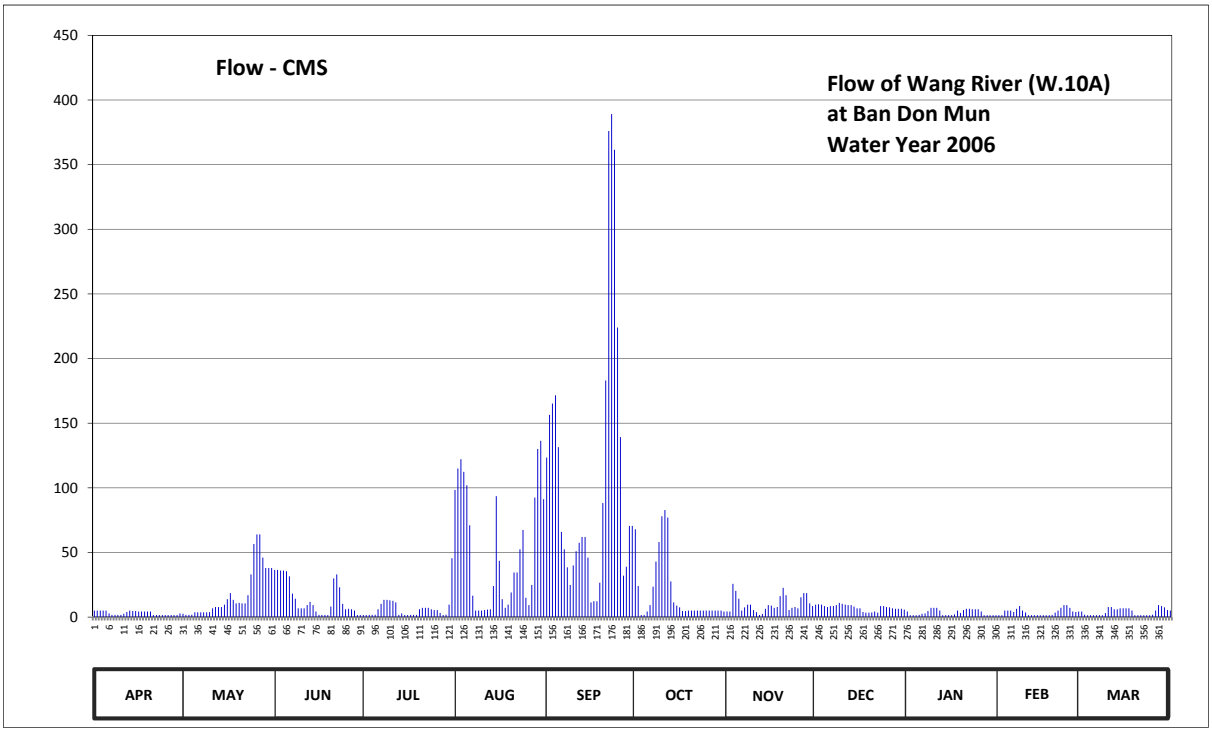
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 259.23 | 259.11 | 259.97 | 259.04 | 261.14 | 261.53 | 260.60 | 259.21 | 259.36 | 259.21 | 259.03 | 259.21 | |
| 2 | 259.23 | 259.05 | 259.97 | 259.04 | 261.40 | 261.98 | 259.71 | 259.21 | 259.37 | 259.03 | 259.03 | 259.06 | |
| 3 | 259.23 | 259.05 | 259.96 | 259.05 | 261.51 | 262.09 | 259.04 | 259.75 | 259.36 | 259.03 | 259.23 | 259.03 | |
| 4 | 259.23 | 259.06 | 259.96 | 259.05 | 261.36 | 262.17 | 259.05 | 259.63 | 259.33 | 259.03 | 259.23 | 259.03 | |
| 5 | 259.23 | 259.18 | 259.95 | 259.06 | 261.20 | 261.65 | 259.21 | 259.48 | 259.31 | 259.05 | 259.23 | 259.03 | |
| 6 | 259.12 | 259.18 | 259.87 | 259.26 | 260.66 | 260.56 | 259.35 | 259.23 | 259.33 | 259.11 | 259.20 | 259.03 | |
| 7 | 259.05 | 259.18 | 259.58 | 259.38 | 259.54 | 260.29 | 259.70 | 259.30 | 259.33 | 259.12 | 259.27 | 259.03 | |
| 8 | 259.05 | 259.18 | 259.48 | 259.46 | 259.23 | 260.01 | 260.10 | 259.36 | 259.35 | 259.22 | 259.33 | 259.03 | |
| 9 | 259.05 | 259.18 | 259.28 | 259.46 | 259.23 | 259.73 | 260.40 | 259.36 | 259.40 | 259.29 | 259.23 | 259.14 | |
| 10 | 259.05 | 259.19 | 259.28 | 259.45 | 259.23 | 260.04 | 260.80 | 259.24 | 259.38 | 259.29 | 259.17 | 259.31 | |
| 11 | 259.11 | 259.28 | 259.28 | 259.44 | 259.24 | 260.26 | 260.88 | 259.19 | 259.36 | 259.29 | 259.03 | 259.31 | |
| 12 | 259.20 | 259.31 | 259.35 | 259.41 | 259.25 | 260.39 | 260.78 | 259.04 | 259.35 | 259.23 | 259.03 | 259.26 | |
| 13 | 259.23 | 259.31 | 259.42 | 259.05 | 259.26 | 260.48 | 259.79 | 259.10 | 259.35 | 259.03 | 259.03 | 259.26 | |
| 14 | 259.22 | 259.31 | 259.35 | 259.12 | 259.71 | 260.48 | 259.41 | 259.27 | 259.32 | 259.03 | 259.03 | 259.28 | |
| 15 | 259.22 | 259.36 | 259.21 | 259.04 | 261.06 | 260.16 | 259.34 | 259.35 | 259.28 | 259.03 | 259.03 | 259.28 | |
| 16 | 259.21 | 259.47 | 259.05 | 259.04 | 260.11 | 259.41 | 259.30 | 259.34 | 259.28 | 259.03 | 259.03 | 259.28 | |
| 17 | 259.21 | 259.59 | 259.05 | 259.05 | 259.47 | 259.43 | 259.22 | 259.29 | 259.20 | 259.07 | 259.03 | 259.28 | |
| 18 | 259.21 | 259.46 | 259.05 | 259.05 | 259.29 | 259.43 | 259.22 | 259.31 | 259.16 | 259.23 | 259.03 | 259.23 | |
| 19 | 259.21 | 259.39 | 259.04 | 259.05 | 259.36 | 259.77 | 259.23 | 259.53 | 259.16 | 259.15 | 259.05 | 259.03 | |
| 20 | 259.21 | 259.40 | 259.32 | 259.26 | 259.60 | 260.97 | 259.23 | 259.68 | 259.17 | 259.24 | 259.16 | 259.03 | |
| 21 | 259.04 | 259.39 | 259.84 | 259.29 | 259.93 | 262.30 | 259.23 | 259.55 | 259.21 | 259.27 | 259.23 | 259.03 | |
| 22 | 259.04 | 259.39 | 259.90 | 259.29 | 259.93 | 264.10 | 259.23 | 259.24 | 259.16 | 259.27 | 259.29 | 259.03 | |
| 23 | 259.04 | 259.55 | 259.69 | 259.29 | 260.29 | 264.21 | 259.23 | 259.29 | 259.33 | 259.26 | 259.35 | 259.03 | |
| 24 | 259.04 | 259.90 | 259.38 | 259.26 | 260.59 | 263.98 | 259.23 | 259.31 | 259.33 | 259.26 | 259.35 | 259.03 | |
| 25 | 259.04 | 260.37 | 259.26 | 259.24 | 259.50 | 262.74 | 259.23 | 259.28 | 259.31 | 259.26 | 259.29 | 259.06 | |
| 26 | 259.04 | 260.52 | 259.27 | 259.24 | 259.35 | 261.76 | 259.23 | 259.51 | 259.30 | 259.21 | 259.21 | 259.23 | |
| 27 | 259.04 | 260.52 | 259.26 | 259.15 | 259.73 | 259.88 | 259.23 | 259.59 | 259.28 | 259.03 | 259.20 | 259.35 | |
| 28 | 259.04 | 260.16 | 259.23 | 259.04 | 261.04 | 260.02 | 259.23 | 259.59 | 259.27 | 259.03 | 259.21 | 259.33 | |
| 29 | 259.04 | 260.00 | 259.04 | 259.06 | 261.63 | 260.65 | 259.23 | 259.39 | 259.27 | 259.03 | | 259.30 | |
| 30 | 259.12 | 260.00 | 259.04 | 259.36 | 261.72 | 260.65 | 259.23 | 259.33 | 259.27 | 259.03 | | 259.24 | |
| 31 | | 260.00 | | 260.15 | 261.02 | | 259.21 | | 259.25 | 259.03 | | 259.23 | |
| Mean | 259.13 | 259.52 | 259.44 | 259.23 | 260.18 | 261.04 | 259.54 | 259.37 | 259.29 | 259.14 | 259.16 | 259.16 | |
| Max | 259.23 | 260.52 | 259.97 | 260.15 | 261.72 | 264.21 | 260.88 | 259.75 | 259.40 | 259.29 | 259.35 | 259.35 | 264.21 |
| Min | 259.04 | 259.05 | 259.04 | 259.04 | 259.23 | 259.41 | 259.04 | 259.04 | 259.16 | 259.03 | 259.03 | 259.03 | 259.03 |

Annual Max Momentary Gage Height 264.23 m. (MSL.) , at 06.00 Hours , on Sep 23, 2006

Zero Gage at Bottom Elevation 259.00 m. (MSL.) , River Bed 257.78 m. (MSL.)

Left Bank Elevation 270.02 m. (MSL.) ,

Right Bank Elevation 269.87 m. (MSL.) , Drainage Are 2,798 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.05 | 2.65 | 36.50 | 1.60 | 98.40 | 123.45 | 68.00 | 4.35 | 9.60 | 4.35 | 1.45 | 4.35 | | |
| 2 | 5.05 | 1.75 | 36.50 | 1.60 | 115.00 | 156.40 | 23.95 | 4.35 | 9.95 | 1.45 | 1.45 | 1.90 | | |
| 3 | 5.05 | 1.75 | 36.00 | 1.75 | 122.15 | 165.20 | 1.60 | 25.75 | 9.60 | 1.45 | 5.05 | 1.45 | | |
| 4 | 5.05 | 1.90 | 36.00 | 1.75 | 112.40 | 171.60 | 1.75 | 20.35 | 8.55 | 1.45 | 5.05 | 1.45 | | |
| 5 | 5.05 | 3.70 | 35.50 | 1.90 | 102.00 | 131.50 | 4.35 | 14.20 | 7.85 | 1.75 | 5.05 | 1.45 | | |
| 6 | 2.80 | 3.70 | 31.50 | 6.10 | 71.00 | 66.00 | 9.25 | 5.05 | 8.55 | 2.65 | 4.00 | 1.45 | | |
| 7 | 1.75 | 3.70 | 18.20 | 10.30 | 16.60 | 52.50 | 23.50 | 7.50 | 8.55 | 2.80 | 6.45 | 1.45 | | |
| 8 | 1.75 | 3.70 | 14.20 | 13.40 | 5.05 | 38.50 | 43.00 | 9.60 | 9.25 | 4.70 | 8.55 | 1.45 | | |
| 9 | 1.75 | 3.70 | 6.80 | 13.40 | 5.05 | 24.85 | 58.00 | 9.60 | 11.00 | 7.15 | 5.05 | 3.10 | | |
| 10 | 1.75 | 3.85 | 6.80 | 13.00 | 5.05 | 40.00 | 78.00 | 5.40 | 10.30 | 7.15 | 3.55 | 7.85 | | |
| 11 | 2.65 | 6.80 | 6.80 | 12.60 | 5.40 | 51.00 | 82.80 | 3.85 | 9.60 | 7.15 | 1.45 | 7.85 | | |
| 12 | 4.00 | 7.85 | 9.25 | 11.40 | 5.75 | 57.50 | 77.00 | 1.60 | 9.25 | 5.05 | 1.45 | 6.10 | | |
| 13 | 5.05 | 7.85 | 11.80 | 1.75 | 6.10 | 62.00 | 27.55 | 2.50 | 9.25 | 1.45 | 1.45 | 6.10 | | |
| 14 | 4.70 | 7.85 | 9.25 | 2.80 | 23.95 | 62.00 | 11.40 | 6.45 | 8.20 | 1.45 | 1.45 | 6.80 | | |
| 15 | 4.70 | 9.60 | 4.35 | 1.60 | 93.60 | 46.00 | 8.90 | 9.25 | 6.80 | 1.45 | 1.45 | 6.80 | | |
| 16 | 4.35 | 13.80 | 1.75 | 1.60 | 43.50 | 11.40 | 7.50 | 8.90 | 6.80 | 1.45 | 1.45 | 6.80 | | |
| 17 | 4.35 | 18.60 | 1.75 | 1.75 | 13.80 | 12.20 | 4.70 | 7.15 | 4.00 | 2.05 | 1.45 | 6.80 | | |
| 18 | 4.35 | 13.40 | 1.75 | 1.75 | 7.15 | 12.20 | 4.70 | 7.85 | 3.40 | 5.05 | 1.45 | 5.05 | | |
| 19 | 4.35 | 10.65 | 1.60 | 1.75 | 9.60 | 26.65 | 5.05 | 16.20 | 3.40 | 3.25 | 1.75 | 1.45 | | |
| 20 | 4.35 | 11.00 | 8.20 | 6.10 | 19.00 | 88.20 | 5.05 | 22.60 | 3.55 | 5.40 | 3.40 | 1.45 | | |
| 21 | 1.60 | 10.65 | 30.00 | 7.15 | 34.50 | 183.00 | 5.05 | 17.00 | 4.35 | 6.45 | 5.05 | 1.45 | | |
| 22 | 1.60 | 10.65 | 33.00 | 7.15 | 34.50 | 376.00 | 5.05 | 5.40 | 3.40 | 6.45 | 7.15 | 1.45 | | |
| 23 | 1.60 | 17.00 | 23.05 | 7.15 | 52.50 | 389.20 | 5.05 | 7.15 | 8.55 | 6.10 | 9.25 | 1.45 | | |
| 24 | 1.60 | 33.00 | 10.30 | 6.10 | 67.50 | 361.60 | 5.05 | 7.85 | 8.55 | 6.10 | 9.25 | 1.45 | | |
| 25 | 1.60 | 56.50 | 6.10 | 5.40 | 15.00 | 224.00 | 5.05 | 6.80 | 7.85 | 6.10 | 7.15 | 1.90 | | |
| 26 | 1.60 | 64.00 | 6.45 | 5.40 | 9.25 | 139.20 | 5.05 | 15.40 | 7.50 | 4.35 | 4.35 | 5.05 | | |
| 27 | 1.60 | 64.00 | 6.10 | 3.25 | 24.85 | 32.00 | 5.05 | 18.60 | 6.80 | 1.45 | 4.00 | 9.25 | | |
| 28 | 1.60 | 46.00 | 5.05 | 1.60 | 92.40 | 39.00 | 5.05 | 18.60 | 6.45 | 1.45 | 4.35 | 8.55 | | |
| 29 | 1.60 | 38.00 | 1.60 | 1.90 | 130.10 | 70.50 | 5.05 | 10.65 | 6.45 | 1.45 | | 7.50 | | |
| 30 | 2.80 | 38.00 | 1.60 | 9.60 | 136.40 | 70.50 | 5.05 | 8.55 | 6.45 | 1.45 | | 5.40 | | |
| 31 | | 38.00 | | 45.50 | 91.20 | | 4.35 | | 5.75 | 1.45 | | 5.05 | | |
| Total | 95.10 | 553.60 | 437.75 | 208.10 | 1568.75 | 3284.15 | 600.90 | 308.50 | 229.55 | 111.45 | 112.95 | 129.60 | 7640.40 | CMSDAY |
| Mean | 3.17 | 17.86 | 14.59 | 6.71 | 50.60 | 109.47 | 19.38 | 10.28 | 7.40 | 3.60 | 4.03 | 4.18 | 20.93 | CMS |
| Max | 5.05 | 64.00 | 36.50 | 45.50 | 136.40 | 389.20 | 82.80 | 25.75 | 11.00 | 7.15 | 9.25 | 9.25 | 389.20 | CMS |
| Min | 1.60 | 1.75 | 1.60 | 1.60 | 5.05 | 11.40 | 1.60 | 1.60 | 3.40 | 1.45 | 1.45 | 1.45 | 1.45 | CMS |
| Runoff | 8.22 | 47.83 | 37.82 | 17.98 | 135.54 | 283.75 | 51.92 | 26.65 | 19.83 | 9.63 | 9.76 | 11.20 | 660.13 | MCM |

Momentary Peak 391.60 CMS. at 264.23 m. (MSL.) at 06.00 Hours , on Sep 23, 2006

Runoff Yield 7.48 Liters/Second/Square KM. Momentary Peak Yield 139.96 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Hai , Lampang (W.16A)

Lat 18 - 46 - 45 N Long 99 - 37 - 52 E

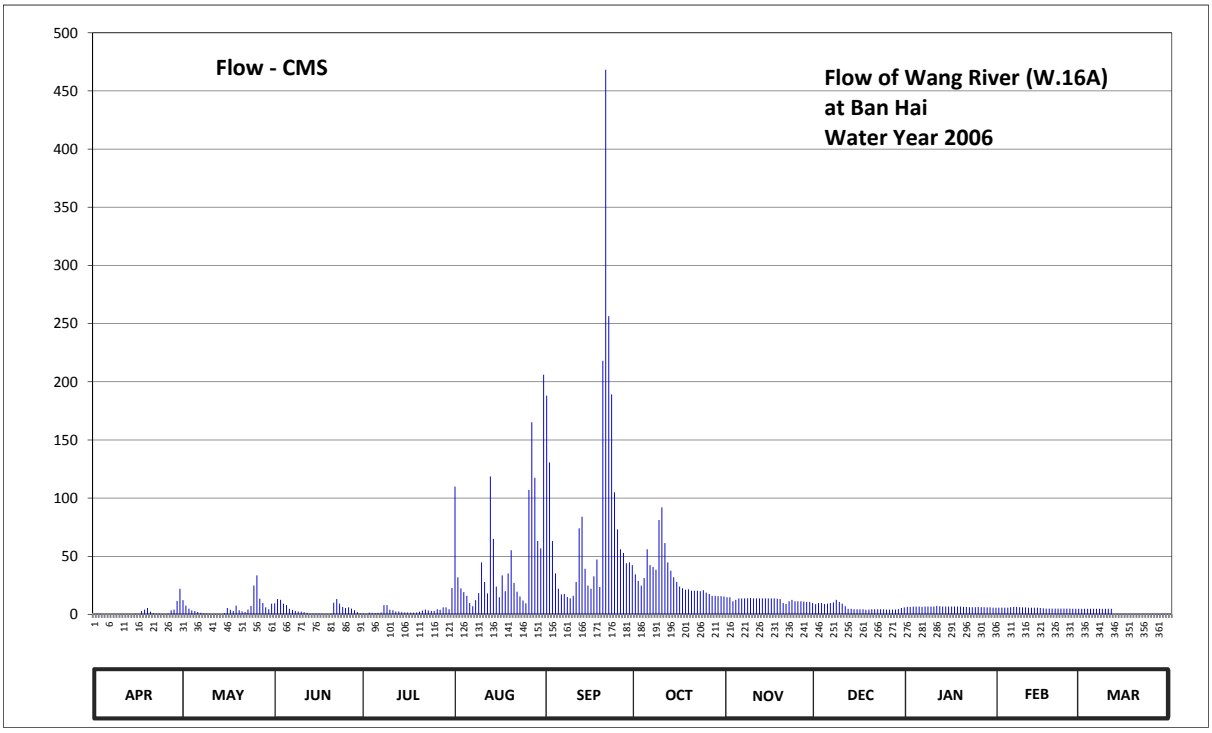
**Location : on left bank at Ban Hai**

| | | | |
|---|---|---|---|
| | **Ban** Hai | **Amphoe** Chae Hom | **Changwat** Lampang |
| **Drainge Area** | 1,392 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +304.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 10.00 meters from the top staff gage. | | **Elevation** +310.113 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1995 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1995 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1995 to date | | |
| **Stability of Channel Regimes** | Rather unstable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair.The pumping station is located about 150 meters upstream from the gage site. Stage-discharge relation defined by 35 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 304.54 | 305.08 | 304.99 | 304.58 | 306.38 | 307.05 | 305.53 | 305.16 | 304.96 | 304.87 | 304.84 | 304.80 | |
| 2 | 304.56 | 304.91 | 305.11 | 304.55 | 305.50 | 306.57 | 305.46 | 305.16 | 305.00 | 304.87 | 304.84 | 304.80 | |
| 3 | 304.53 | 304.81 | 305.09 | 304.63 | 305.36 | 305.88 | 305.41 | 305.05 | 305.00 | 304.88 | 304.84 | 304.80 | |
| 4 | 304.50 | 304.73 | 304.98 | 304.62 | 305.28 | 305.54 | 305.49 | 305.09 | 304.97 | 304.88 | 304.84 | 304.80 | |
| 5 | 304.50 | 304.70 | 304.93 | 304.61 | 305.20 | 305.35 | 305.80 | 305.13 | 304.98 | 304.88 | 304.86 | 304.80 | |
| 6 | 304.50 | 304.66 | 304.80 | 304.62 | 305.00 | 305.23 | 305.63 | 305.13 | 305.00 | 304.87 | 304.87 | 304.80 | |
| 7 | 304.50 | 304.62 | 304.75 | 304.64 | 304.89 | 305.24 | 305.61 | 305.13 | 305.02 | 304.88 | 304.87 | 304.80 | |
| 8 | 304.49 | 304.58 | 304.71 | 304.93 | 305.08 | 305.17 | 305.58 | 305.13 | 305.09 | 304.88 | 304.86 | 304.80 | |
| 9 | 304.49 | 304.56 | 304.68 | 304.93 | 305.26 | 305.13 | 306.08 | 305.14 | 305.03 | 304.88 | 304.85 | 304.80 | |
| 10 | 304.52 | 304.55 | 304.67 | 304.76 | 305.66 | 305.20 | 306.20 | 305.13 | 304.98 | 304.88 | 304.85 | 304.80 | |
| 11 | 304.52 | 304.53 | 304.65 | 304.74 | 305.45 | 305.45 | 305.86 | 305.13 | 304.89 | 304.90 | 304.84 | 304.80 | |
| 12 | 304.52 | 304.53 | 304.62 | 304.68 | 305.25 | 306.00 | 305.66 | 305.13 | 304.80 | 304.89 | 304.84 | 304.84 | |
| 13 | 304.51 | 304.52 | 304.57 | 304.68 | 306.46 | 306.11 | 305.57 | 305.13 | 304.80 | 304.88 | 304.84 | 304.99 | |
| 14 | 304.52 | 304.50 | 304.57 | 304.65 | 305.90 | 305.59 | 305.50 | 305.13 | 304.78 | 304.88 | 304.84 | 305.01 | |
| 15 | 304.53 | 304.61 | 304.57 | 304.64 | 305.40 | 305.41 | 305.45 | 305.13 | 304.78 | 304.88 | 304.83 | 305.01 | |
| 16 | 304.52 | 304.83 | 304.56 | 304.64 | 305.16 | 305.35 | 305.40 | 305.13 | 304.78 | 304.88 | 304.82 | 305.01 | |
| 17 | 304.70 | 304.76 | 304.55 | 304.63 | 305.52 | 305.51 | 305.36 | 305.13 | 304.78 | 304.88 | 304.81 | 305.02 | |
| 18 | 304.77 | 304.70 | 304.54 | 304.63 | 305.30 | 305.69 | 305.33 | 305.12 | 304.76 | 304.88 | 304.81 | 305.02 | |
| 19 | 304.83 | 304.91 | 304.54 | 304.64 | 305.54 | 305.39 | 305.34 | 305.11 | 304.77 | 304.88 | 304.81 | 305.01 | |
| 20 | 304.67 | 304.74 | 304.56 | 304.67 | 305.79 | 307.30 | 305.31 | 305.00 | 304.78 | 304.87 | 304.81 | 305.01 | |
| 21 | 304.61 | 304.69 | 305.01 | 304.72 | 305.44 | 308.89 | 305.31 | 304.97 | 304.78 | 304.87 | 304.81 | 305.01 | |
| 22 | 304.56 | 304.66 | 305.11 | 304.77 | 305.29 | 307.61 | 305.31 | 305.05 | 304.78 | 304.86 | 304.81 | 305.01 | |
| 23 | 304.56 | 304.77 | 304.98 | 304.73 | 305.18 | 307.06 | 305.30 | 305.09 | 304.78 | 304.86 | 304.81 | 305.01 | |
| 24 | 304.53 | 304.90 | 304.87 | 304.71 | 305.07 | 306.33 | 305.32 | 305.05 | 304.78 | 304.86 | 304.81 | 305.01 | |
| 25 | 304.51 | 305.41 | 304.83 | 304.71 | 304.99 | 305.99 | 305.27 | 305.05 | 304.77 | 304.87 | 304.81 | 305.05 | |
| 26 | 304.56 | 305.52 | 304.85 | 304.78 | 306.35 | 305.80 | 305.24 | 305.05 | 304.77 | 304.86 | 304.80 | 305.01 | |
| 27 | 304.73 | 305.12 | 304.81 | 304.76 | 306.86 | 305.76 | 305.20 | 305.04 | 304.77 | 304.86 | 304.80 | 305.00 | |
| 28 | 304.77 | 305.00 | 304.74 | 304.85 | 306.45 | 305.65 | 305.20 | 305.03 | 304.77 | 304.85 | 304.80 | 305.02 | |
| 29 | 305.06 | 304.85 | 304.65 | 304.85 | 305.88 | 305.66 | 305.19 | 305.03 | 304.79 | 304.85 | | 305.02 | |
| 30 | 305.35 | 304.78 | 304.60 | 304.78 | 305.81 | 305.63 | 305.19 | 305.00 | 304.83 | 304.84 | | 305.02 | |
| 31 | | 304.98 | | 305.37 | 307.20 | | 305.18 | | 304.85 | 304.84 | | 305.01 | |
| Mean | 304.62 | 304.79 | 304.76 | 304.73 | 305.61 | 305.95 | 305.46 | 305.09 | 304.86 | 304.87 | 304.83 | 304.93 | |
| Max | 305.35 | 305.52 | 305.11 | 305.37 | 307.20 | 308.89 | 306.20 | 305.16 | 305.09 | 304.90 | 304.87 | 305.05 | 308.89 |
| Min | 304.49 | 304.50 | 304.54 | 304.55 | 304.89 | 305.13 | 305.18 | 304.97 | 304.76 | 304.84 | 304.80 | 304.80 | 304.49 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 309.28 | m. (MSL.) , | at 21.00 Hours , on Sep 21, 2006 | | |
| Zero Gage at Bottom Elevation | 304.00 | m. (MSL.) , | River Bed | 302.44 | m. (MSL.) |
| Left Bank Elevation | 310.18 | m. (MSL.) , | | | |
| Right Bank Elevation | 310.78 | m. (MSL.) , | Drainage Are | 1,392 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.52 | 12.28 | 9.55 | 0.84 | 110.00 | 188.00 | 34.40 | 14.76 | 8.80 | 6.55 | 5.80 | 4.80 | | |
| 2 | 0.68 | 7.55 | 13.21 | 0.60 | 32.00 | 130.70 | 28.80 | 14.76 | 9.80 | 6.55 | 5.80 | 4.80 | | |
| 3 | 0.44 | 5.05 | 12.59 | 1.57 | 22.40 | 63.20 | 24.80 | 11.35 | 9.80 | 6.80 | 5.80 | 4.80 | | |
| 4 | 0.20 | 3.47 | 9.30 | 1.38 | 19.20 | 35.20 | 31.20 | 12.59 | 9.05 | 6.80 | 5.80 | 4.80 | | |
| 5 | 0.20 | 2.90 | 8.05 | 1.19 | 16.00 | 22.00 | 56.00 | 13.83 | 9.30 | 6.80 | 6.30 | 4.80 | | |
| 6 | 0.20 | 2.14 | 4.80 | 1.38 | 9.80 | 17.20 | 42.40 | 13.83 | 9.80 | 6.55 | 6.55 | 4.80 | | |
| 7 | 0.20 | 1.38 | 3.85 | 1.76 | 7.05 | 17.60 | 40.80 | 13.83 | 10.42 | 6.80 | 6.55 | 4.80 | | |
| 8 | 0.20 | 0.84 | 3.09 | 8.05 | 12.28 | 15.07 | 38.40 | 13.83 | 12.59 | 6.80 | 6.30 | 4.80 | | |
| 9 | 0.20 | 0.68 | 2.52 | 8.05 | 18.40 | 13.83 | 81.20 | 14.14 | 10.73 | 6.80 | 6.05 | 4.80 | | |
| 10 | 0.36 | 0.60 | 2.33 | 4.04 | 44.80 | 16.00 | 92.00 | 13.83 | 9.30 | 6.80 | 6.05 | 4.80 | | |
| 11 | 0.36 | 0.44 | 1.95 | 3.66 | 28.00 | 28.00 | 61.40 | 13.83 | 7.05 | 7.30 | 5.80 | 4.80 | | |
| 12 | 0.36 | 0.44 | 1.38 | 2.52 | 18.00 | 74.00 | 44.80 | 13.83 | 4.80 | 7.05 | 5.80 | 0.24 | | |
| 13 | 0.28 | 0.36 | 0.76 | 2.52 | 118.60 | 83.90 | 37.60 | 13.83 | 4.80 | 6.80 | 5.80 | 0.39 | | |
| 14 | 0.36 | 0.20 | 0.76 | 1.95 | 65.00 | 39.20 | 32.00 | 13.83 | 4.42 | 6.80 | 5.80 | 0.41 | | |
| 15 | 0.44 | 1.19 | 0.76 | 1.76 | 24.00 | 24.80 | 28.00 | 13.83 | 4.42 | 6.80 | 5.55 | 0.41 | | |
| 16 | 0.36 | 5.55 | 0.68 | 1.76 | 14.76 | 22.00 | 24.00 | 13.83 | 4.42 | 6.80 | 5.30 | 0.41 | | |
| 17 | 2.90 | 4.04 | 0.60 | 1.57 | 33.60 | 32.80 | 22.40 | 13.83 | 4.42 | 6.80 | 5.05 | 0.42 | | |
| 18 | 4.23 | 2.90 | 0.52 | 1.57 | 20.00 | 47.20 | 21.20 | 13.52 | 4.04 | 6.80 | 5.05 | 0.42 | | |
| 19 | 5.55 | 7.55 | 0.52 | 1.76 | 35.20 | 23.60 | 21.60 | 13.21 | 4.23 | 6.80 | 5.05 | 0.41 | | |
| 20 | 2.33 | 3.66 | 0.68 | 2.33 | 55.20 | 218.00 | 20.40 | 9.80 | 4.42 | 6.55 | 5.05 | 0.41 | | |
| 21 | 1.19 | 2.71 | 10.11 | 3.28 | 27.20 | 468.20 | 20.40 | 9.05 | 4.42 | 6.55 | 5.05 | 0.41 | | |
| 22 | 0.68 | 2.14 | 13.21 | 4.23 | 19.60 | 256.45 | 20.40 | 11.35 | 4.42 | 6.30 | 5.05 | 0.41 | | |
| 23 | 0.68 | 4.23 | 9.30 | 3.47 | 15.38 | 189.20 | 20.00 | 12.59 | 4.42 | 6.30 | 5.05 | 0.41 | | |
| 24 | 0.44 | 7.30 | 6.55 | 3.09 | 11.97 | 105.00 | 20.80 | 11.35 | 4.42 | 6.30 | 5.05 | 0.41 | | |
| 25 | 0.28 | 24.80 | 5.55 | 3.09 | 9.55 | 73.10 | 18.80 | 11.35 | 4.23 | 6.55 | 5.05 | 0.45 | | |
| 26 | 0.68 | 33.60 | 6.05 | 4.42 | 107.00 | 56.00 | 17.60 | 11.35 | 4.23 | 6.30 | 4.80 | 0.41 | | |
| 27 | 3.47 | 13.52 | 5.05 | 4.04 | 165.20 | 52.80 | 16.00 | 11.04 | 4.23 | 6.30 | 4.80 | 0.40 | | |
| 28 | 4.23 | 9.80 | 3.66 | 6.05 | 117.50 | 44.00 | 16.00 | 10.73 | 4.23 | 6.05 | 4.80 | 0.42 | | |
| 29 | 11.66 | 6.05 | 1.95 | 6.05 | 63.20 | 44.80 | 15.69 | 10.73 | 4.61 | 6.05 | | 0.42 | | |
| 30 | 22.00 | 4.42 | 1.00 | 4.42 | 56.90 | 42.40 | 15.69 | 9.80 | 5.55 | 5.80 | | 0.42 | | |
| 31 | | 9.30 | | 22.80 | 206.00 | | 15.38 | | 6.05 | 5.80 | | 0.41 | | |
| Total | 65.68 | 181.09 | 140.33 | 115.20 | 1503.79 | 2444.25 | 980.16 | 379.43 | 197.42 | 204.05 | 154.90 | 60.89 | 6427.19 | CMSDAY |
| Mean | 2.19 | 5.84 | 4.68 | 3.72 | 48.51 | 81.48 | 31.62 | 12.65 | 6.37 | 6.58 | 5.53 | 1.96 | 17.61 | CMS |
| Max | 22.00 | 33.60 | 13.21 | 22.80 | 206.00 | 468.20 | 92.00 | 14.76 | 12.59 | 7.30 | 6.55 | 4.80 | 468.20 | CMS |
| Min | 0.20 | 0.20 | 0.52 | 0.60 | 7.05 | 13.83 | 15.38 | 9.05 | 4.04 | 5.80 | 4.80 | 0.24 | 0.20 | CMS |
| Runoff | 5.67 | 15.65 | 12.12 | 9.95 | 129.93 | 211.18 | 84.69 | 32.78 | 17.06 | 17.63 | 13.38 | 5.26 | 555.31 | MCM |

Momentary Peak 539.60 CMS. at 309.28 m. (MSL.) at 21.00 Hours , on Sep 21, 2006

Runoff Yield 12.65 Liters/Second/Square KM. Momentary Peak Yield 387.64 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Nam Mae Soi at Ban Nong Nao , Lampang (W.17)

Lat 18 - 43 - 13 N Long 99 - 34 - 04 E

**Location : on right at the bridge of Lampang - Wang Nua Road.**

**Ban** Nong Nao **Amphoe** Chae Hom **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 726 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +292.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | About 21 meters from the top staff gage. **Elevation** +295.790 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1980 to date |
| **Rating Operation** | |
| **Period of Rating** | 1980 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1980 to date |
| **Stability of Channel Regimes** | Rather unstable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair.The local weir situated about 500 meters downstream from the gage site. Stage-discharge relation defined by 35 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

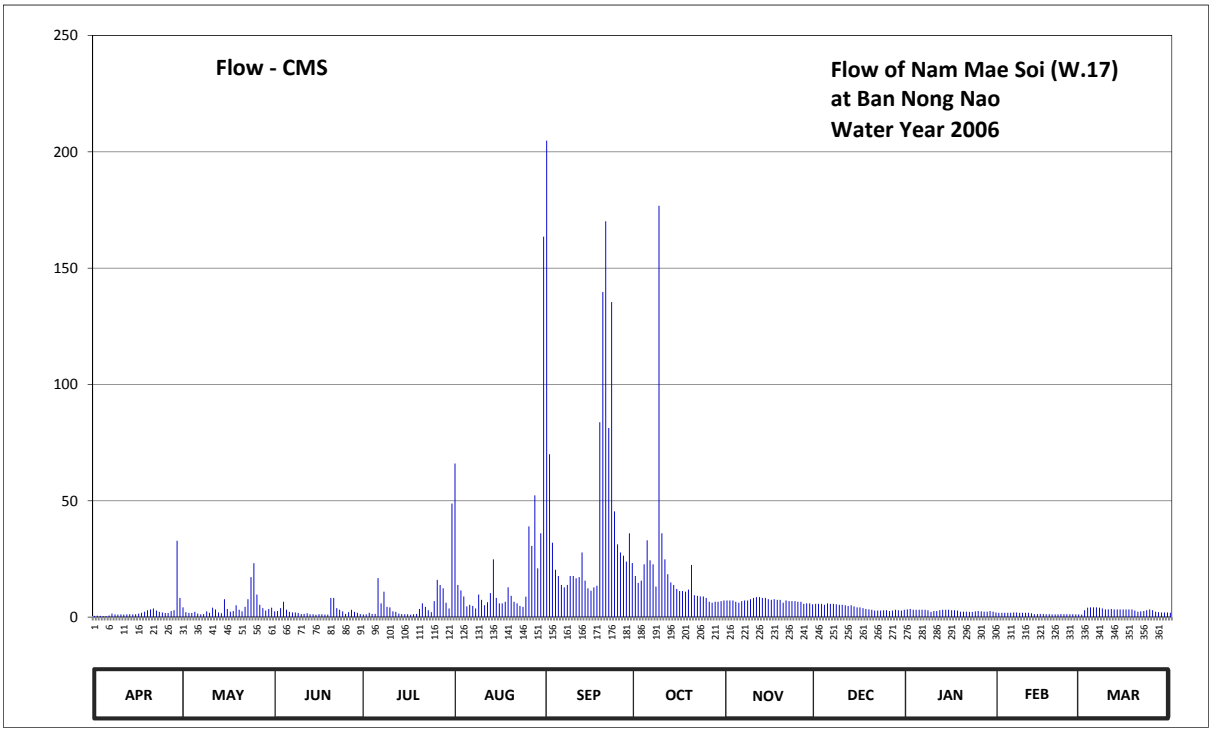
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 291.69 | 291.99 | 291.89 | 291.77 | 293.06 | 293.75 | 292.27 | 292.12 | 292.06 | 291.94 | 291.84 | 291.76 | |
| 2 | 291.70 | 291.86 | 291.90 | 291.77 | 292.34 | 292.84 | 292.21 | 292.12 | 292.06 | 291.95 | 291.84 | 291.92 | |
| 3 | 291.68 | 291.83 | 291.97 | 291.84 | 292.27 | 292.50 | 292.23 | 292.12 | 292.06 | 291.93 | 291.84 | 291.98 | |
| 4 | 291.66 | 291.83 | 292.10 | 291.80 | 292.18 | 292.32 | 292.36 | 292.10 | 292.04 | 291.93 | 291.84 | 291.99 | |
| 5 | 291.66 | 291.87 | 291.93 | 291.80 | 292.01 | 292.27 | 292.51 | 292.08 | 292.07 | 291.93 | 291.84 | 291.99 | |
| 6 | 291.71 | 291.81 | 291.87 | 292.42 | 292.04 | 292.19 | 292.39 | 292.11 | 292.06 | 291.93 | 291.85 | 291.99 | |
| 7 | 291.81 | 291.77 | 291.85 | 292.07 | 292.02 | 292.16 | 292.36 | 292.12 | 292.06 | 291.93 | 291.85 | 291.98 | |
| 8 | 291.77 | 291.79 | 291.85 | 292.25 | 291.96 | 292.19 | 292.32 | 292.12 | 292.05 | 291.92 | 291.84 | 291.96 | |
| 9 | 291.76 | 291.89 | 291.83 | 292.00 | 292.21 | 292.27 | 293.93 | 292.14 | 292.04 | 291.87 | 291.84 | 291.94 | |
| 10 | 291.77 | 291.84 | 291.79 | 291.99 | 292.13 | 292.27 | 292.70 | 292.16 | 292.04 | 291.90 | 291.84 | 291.94 | |
| 11 | 291.76 | 291.98 | 291.80 | 291.89 | 292.03 | 292.25 | 292.56 | 292.17 | 292.03 | 291.90 | 291.84 | 291.95 | |
| 12 | 291.77 | 291.94 | 291.82 | 291.87 | 292.09 | 292.26 | 292.46 | 292.17 | 292.02 | 291.92 | 291.82 | 291.94 | |
| 13 | 291.78 | 291.85 | 291.78 | 291.81 | 292.23 | 292.44 | 292.37 | 292.16 | 292.03 | 291.93 | 291.78 | 291.94 | |
| 14 | 291.77 | 291.82 | 291.78 | 291.79 | 292.56 | 292.23 | 292.34 | 292.16 | 292.01 | 291.93 | 291.79 | 291.94 | |
| 15 | 291.78 | 292.14 | 291.75 | 291.78 | 292.16 | 292.15 | 292.29 | 292.14 | 291.99 | 291.93 | 291.80 | 291.94 | |
| 16 | 291.81 | 291.95 | 291.78 | 291.78 | 292.07 | 292.12 | 292.26 | 292.13 | 291.99 | 291.92 | 291.79 | 291.94 | |
| 17 | 291.84 | 291.88 | 291.78 | 291.75 | 292.07 | 292.16 | 292.26 | 292.14 | 291.97 | 291.92 | 291.78 | 291.94 | |
| 18 | 291.88 | 291.90 | 291.76 | 291.78 | 292.10 | 292.18 | 292.25 | 292.13 | 291.95 | 291.91 | 291.78 | 291.94 | |
| 19 | 291.92 | 292.03 | 291.76 | 291.80 | 292.31 | 292.95 | 292.28 | 292.13 | 291.94 | 291.88 | 291.77 | 291.91 | |
| 20 | 291.94 | 291.93 | 292.16 | 291.95 | 292.19 | 293.35 | 292.53 | 292.08 | 291.93 | 291.88 | 291.77 | 291.88 | |
| 21 | 291.96 | 291.89 | 292.16 | 292.07 | 292.10 | 293.54 | 292.20 | 292.12 | 291.91 | 291.88 | 291.77 | 291.89 | |
| 22 | 291.91 | 292.00 | 291.97 | 292.00 | 292.07 | 292.93 | 292.19 | 292.11 | 291.91 | 291.87 | 291.79 | 291.90 | |
| 23 | 291.87 | 292.14 | 291.93 | 291.92 | 292.02 | 293.32 | 292.18 | 292.11 | 291.91 | 291.87 | 291.78 | 291.92 | |
| 24 | 291.85 | 292.43 | 291.89 | 291.86 | 292.00 | 292.63 | 292.18 | 292.11 | 291.92 | 291.89 | 291.78 | 291.94 | |
| 25 | 291.83 | 292.54 | 291.80 | 292.11 | 292.04 | 292.49 | 292.16 | 292.10 | 291.92 | 291.90 | 291.78 | 291.92 | |
| 26 | 291.83 | 292.21 | 291.86 | 292.40 | 292.57 | 292.44 | 292.10 | 292.10 | 291.90 | 291.89 | 291.78 | 291.88 | |
| 27 | 291.90 | 292.04 | 291.93 | 292.34 | 292.48 | 292.42 | 292.08 | 292.06 | 291.91 | 291.88 | 291.77 | 291.86 | |
| 28 | 291.92 | 291.97 | 291.87 | 292.30 | 292.69 | 292.38 | 292.10 | 292.07 | 291.93 | 291.88 | 291.77 | 291.85 | |
| 29 | 292.66 | 291.91 | 291.84 | 292.08 | 292.33 | 292.54 | 292.10 | 292.07 | 291.92 | 291.90 | | 291.85 | |
| 30 | 292.16 | 291.95 | 291.79 | 291.96 | 292.54 | 292.37 | 292.11 | 292.05 | 291.91 | 291.88 | | 291.85 | |
| 31 | | 291.98 | | 292.86 | 293.50 | | 292.12 | | 291.93 | 291.85 | | 291.84 | |
| Mean | 291.85 | 291.97 | 291.87 | 291.99 | 292.27 | 292.53 | 292.34 | 292.12 | 291.98 | 291.90 | 291.81 | 291.92 | |
| Max | 292.66 | 292.54 | 292.16 | 292.86 | 293.50 | 293.75 | 293.93 | 292.17 | 292.07 | 291.95 | 291.85 | 291.99 | 293.93 |
| Min | 291.66 | 291.77 | 291.75 | 291.75 | 291.96 | 292.12 | 292.08 | 292.05 | 291.90 | 291.85 | 291.77 | 291.76 | 291.66 |

Annual Max Momentary Gage Height 294.80 m. (MSL.) , at 09.00 Hours , on Oct 9, 2006

Zero Gage at Bottom Elevation 292.00 m. (MSL.) , River Bed 291.10 m. (MSL.)

Left Bank Elevation 296.24 m. (MSL.) ,

Right Bank Elevation 296.45 m. (MSL.) , Drainage Are 726 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.56 | 4.22 | 2.48 | 1.16 | 66.00 | 204.75 | 17.70 | 7.16 | 5.72 | 3.32 | 1.88 | 1.08 | | |
| 2 | 0.60 | 2.12 | 2.60 | 1.16 | 13.84 | 70.00 | 14.70 | 7.16 | 5.72 | 3.50 | 1.88 | 2.96 | | |
| 3 | 0.52 | 1.76 | 3.86 | 1.88 | 11.50 | 32.00 | 15.70 | 7.16 | 5.72 | 3.14 | 1.88 | 4.04 | | |
| 4 | 0.44 | 1.76 | 6.60 | 1.40 | 8.84 | 20.36 | 22.68 | 6.60 | 5.28 | 3.14 | 1.88 | 4.22 | | |
| 5 | 0.44 | 2.24 | 3.14 | 1.40 | 4.62 | 17.70 | 33.00 | 6.16 | 5.94 | 3.14 | 1.88 | 4.22 | | |
| 6 | 0.68 | 1.52 | 2.24 | 16.80 | 5.28 | 13.84 | 24.42 | 6.88 | 5.72 | 3.14 | 2.00 | 4.22 | | |
| 7 | 1.52 | 1.16 | 2.00 | 5.94 | 4.84 | 12.76 | 22.68 | 7.16 | 5.72 | 3.14 | 2.00 | 4.04 | | |
| 8 | 1.16 | 1.32 | 2.00 | 10.90 | 3.68 | 13.84 | 13.12 | 7.16 | 5.50 | 2.96 | 1.88 | 3.68 | | |
| 9 | 1.08 | 2.48 | 1.76 | 4.40 | 9.70 | 17.70 | 176.80 | 7.72 | 5.28 | 2.24 | 1.88 | 3.32 | | |
| 10 | 1.16 | 1.88 | 1.32 | 4.22 | 7.44 | 17.70 | 36.00 | 8.28 | 5.28 | 2.60 | 1.88 | 3.32 | | |
| 11 | 1.08 | 4.04 | 1.40 | 2.48 | 5.06 | 16.70 | 24.80 | 8.56 | 5.06 | 2.60 | 1.88 | 3.50 | | |
| 12 | 1.16 | 3.32 | 1.64 | 2.24 | 6.38 | 17.20 | 18.40 | 8.56 | 4.84 | 2.96 | 1.64 | 3.32 | | |
| 13 | 1.24 | 2.00 | 1.24 | 1.52 | 10.30 | 27.80 | 14.92 | 8.28 | 5.06 | 3.14 | 1.24 | 3.32 | | |
| 14 | 1.16 | 1.64 | 1.24 | 1.32 | 24.80 | 15.70 | 13.84 | 8.28 | 4.62 | 3.14 | 1.32 | 3.32 | | |
| 15 | 1.24 | 7.72 | 1.00 | 1.24 | 8.28 | 12.40 | 12.10 | 7.72 | 4.22 | 3.14 | 1.40 | 3.32 | | |
| 16 | 1.52 | 3.50 | 1.24 | 1.24 | 5.94 | 11.32 | 11.20 | 7.44 | 4.22 | 2.96 | 1.32 | 3.32 | | |
| 17 | 1.88 | 2.36 | 1.24 | 1.00 | 5.94 | 12.76 | 11.20 | 7.72 | 3.86 | 2.96 | 1.24 | 3.32 | | |
| 18 | 2.36 | 2.60 | 1.08 | 1.24 | 6.60 | 13.48 | 10.90 | 7.44 | 3.50 | 2.78 | 1.24 | 3.32 | | |
| 19 | 2.96 | 5.06 | 1.08 | 1.40 | 12.76 | 83.75 | 11.80 | 7.44 | 3.32 | 2.36 | 1.16 | 2.78 | | |
| 20 | 3.32 | 3.14 | 8.28 | 3.50 | 9.12 | 139.75 | 22.40 | 6.16 | 3.14 | 2.36 | 1.16 | 2.36 | | |
| 21 | 3.68 | 2.48 | 8.28 | 5.94 | 6.60 | 170.10 | 9.40 | 7.16 | 2.78 | 2.36 | 1.16 | 2.48 | | |
| 22 | 2.78 | 4.40 | 3.86 | 4.40 | 5.94 | 81.25 | 9.12 | 6.88 | 2.78 | 2.24 | 1.32 | 2.60 | | |
| 23 | 2.24 | 7.72 | 3.14 | 2.96 | 4.84 | 135.40 | 8.84 | 6.88 | 2.78 | 2.24 | 1.24 | 2.96 | | |
| 24 | 2.00 | 17.20 | 2.48 | 2.12 | 4.40 | 45.45 | 8.84 | 6.88 | 2.96 | 2.48 | 1.24 | 3.32 | | |
| 25 | 1.76 | 23.20 | 1.40 | 6.88 | 8.80 | 31.30 | 8.28 | 6.60 | 2.96 | 2.60 | 1.24 | 2.96 | | |
| 26 | 1.76 | 9.70 | 2.12 | 16.00 | 39.00 | 27.80 | 6.60 | 6.60 | 2.60 | 2.48 | 1.24 | 2.36 | | |
| 27 | 2.60 | 5.28 | 3.14 | 13.84 | 30.60 | 26.40 | 6.16 | 5.72 | 2.78 | 2.36 | 1.16 | 2.12 | | |
| 28 | 2.96 | 3.86 | 2.24 | 12.40 | 52.35 | 23.84 | 6.60 | 5.94 | 3.14 | 2.36 | 1.16 | 2.00 | | |
| 29 | 32.80 | 2.78 | 1.88 | 6.16 | 20.94 | 36.00 | 6.60 | 5.94 | 2.96 | 2.60 | | 2.00 | | |
| 30 | 8.28 | 3.50 | 1.32 | 3.68 | 36.00 | 23.26 | 6.88 | 5.50 | 2.78 | 2.36 | | 2.00 | | |
| 31 | | 4.04 | | 48.80 | 163.50 | | 7.16 | | 3.14 | 2.00 | | 1.88 | | |
| Total | 86.94 | 140.00 | 77.30 | 189.62 | 603.89 | 1372.31 | 612.84 | 213.14 | 129.38 | 84.80 | 42.40 | 93.66 | 3646.28 | CMSDAY |
| Mean | 2.90 | 4.52 | 2.58 | 6.12 | 19.48 | 45.74 | 19.77 | 7.10 | 4.17 | 2.74 | 1.51 | 3.02 | 9.99 | CMS |
| Max | 32.80 | 23.20 | 8.28 | 48.80 | 163.50 | 204.75 | 176.80 | 8.56 | 5.94 | 3.50 | 2.00 | 4.22 | 204.75 | CMS |
| Min | 0.44 | 1.16 | 1.00 | 1.00 | 3.68 | 11.32 | 6.16 | 5.50 | 2.60 | 2.00 | 1.16 | 1.08 | 0.44 | CMS |
| Runoff | 7.51 | 12.10 | 6.68 | 16.38 | 52.18 | 118.57 | 52.95 | 18.42 | 11.18 | 7.33 | 3.66 | 8.09 | 315.04 | MCM |

Momentary Peak 353.00 CMS. at 294.80 m. (MSL.) at 09.00 Hours , on Oct 9, 2006

Runoff Yield 13.76 Liters/Second/Square KM. Momentary Peak Yield 486.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Nam Mae Tui at Ban Tha Lo , Lampang (W.20)

Lat 18 - 18 - 34 N Long 99 - 27 - 40 E

**Location : on left bank at the bridge of Lampang - Hang Chat Highway.**

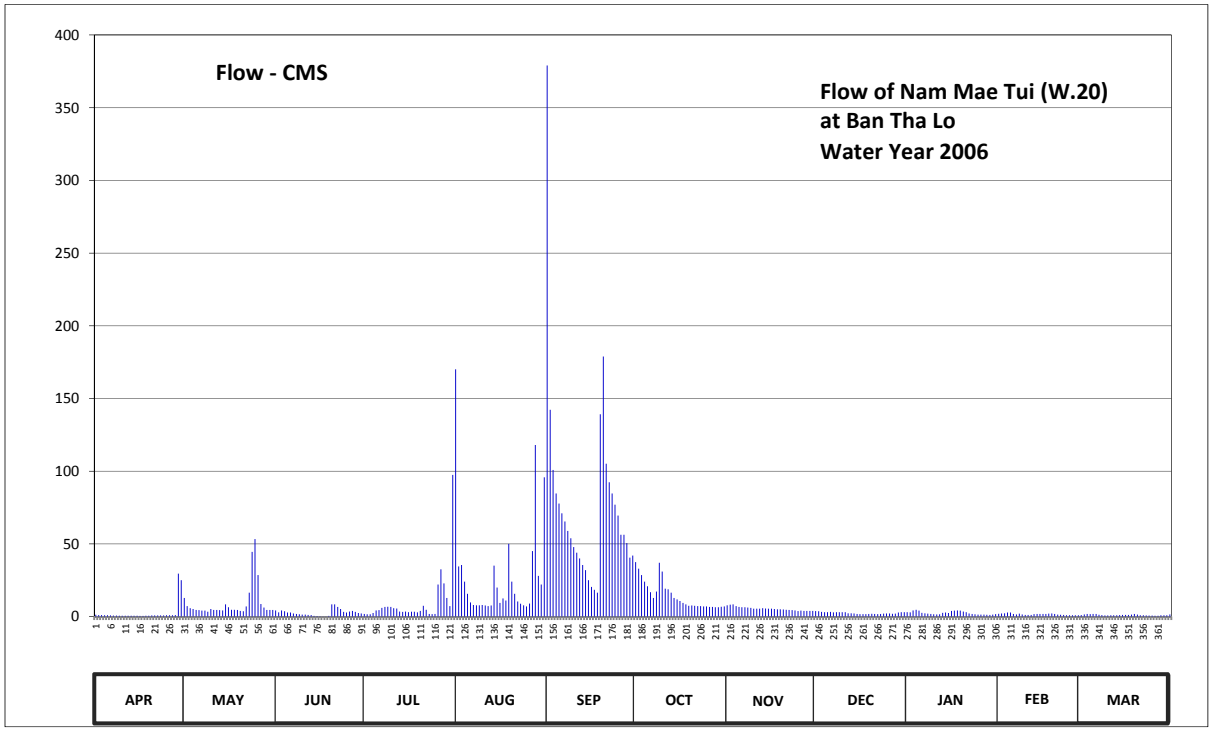
**Ban** Tha Lo **Amphoe** Mueang **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 941 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +230.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the approach of the bridge. **Elevation** +238.130 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings. |
| **Period of Available Gage Records** | 1993 to date |
| **Rating Operation** | |
| **Period of Rating** | 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1993 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good.Flow effected by the local weir about 200 meters downstream from the gage site. Stage-discharge relation defined by 50 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 230.70 | 231.31 | 230.95 | 230.77 | 233.51 | 235.08 | 231.87 | 231.14 | 230.92 | 230.87 | 230.79 | 230.67 | |
| 2 | 230.67 | 231.11 | 230.86 | 230.74 | 231.81 | 233.25 | 231.78 | 231.16 | 230.91 | 230.86 | 230.81 | 230.73 | |
| 3 | 230.67 | 231.04 | 230.95 | 230.75 | 231.83 | 232.81 | 231.69 | 231.17 | 230.88 | 230.95 | 230.82 | 230.77 | |
| 4 | 230.65 | 231.01 | 230.91 | 230.83 | 231.60 | 232.62 | 231.60 | 231.11 | 230.87 | 230.98 | 230.85 | 230.76 | |
| 5 | 230.65 | 230.97 | 230.85 | 230.95 | 231.39 | 232.53 | 231.52 | 231.08 | 230.87 | 230.94 | 230.85 | 230.77 | |
| 6 | 230.64 | 230.96 | 230.85 | 230.96 | 231.22 | 232.44 | 231.42 | 231.07 | 230.88 | 230.84 | 230.77 | 230.77 | |
| 7 | 230.63 | 230.94 | 230.81 | 231.05 | 231.15 | 232.36 | 231.31 | 231.07 | 230.86 | 230.82 | 230.73 | 230.70 | |
| 8 | 230.63 | 230.94 | 230.77 | 231.08 | 231.14 | 232.26 | 231.43 | 231.06 | 230.87 | 230.80 | 230.80 | 230.67 | |
| 9 | 230.62 | 230.89 | 230.75 | 231.09 | 231.14 | 232.18 | 231.86 | 231.05 | 230.87 | 230.78 | 230.73 | 230.64 | |
| 10 | 230.62 | 231.01 | 230.72 | 231.08 | 231.15 | 232.07 | 231.74 | 231.02 | 230.87 | 230.75 | 230.69 | 230.64 | |
| 11 | 230.62 | 230.97 | 230.71 | 231.04 | 231.13 | 232.00 | 231.48 | 231.02 | 230.87 | 230.73 | 230.69 | 230.65 | |
| 12 | 230.62 | 230.97 | 230.69 | 231.03 | 231.11 | 231.92 | 231.47 | 231.02 | 230.82 | 230.74 | 230.69 | 230.65 | |
| 13 | 230.62 | 230.96 | 230.67 | 230.90 | 231.13 | 231.83 | 231.41 | 231.04 | 230.82 | 230.84 | 230.76 | 230.65 | |
| 14 | 230.62 | 230.95 | 230.59 | 230.88 | 231.82 | 231.76 | 231.31 | 231.03 | 230.81 | 230.85 | 230.78 | 230.67 | |
| 15 | 230.61 | 231.17 | 230.57 | 230.90 | 231.50 | 231.62 | 231.28 | 231.02 | 230.78 | 230.83 | 230.77 | 230.69 | |
| 16 | 230.60 | 231.07 | 230.55 | 230.87 | 231.21 | 231.51 | 231.25 | 231.02 | 230.76 | 230.93 | 230.78 | 230.69 | |
| 17 | 230.60 | 230.98 | 230.54 | 230.89 | 231.30 | 231.46 | 231.21 | 231.01 | 230.76 | 230.94 | 230.78 | 230.69 | |
| 18 | 230.61 | 230.98 | 230.54 | 230.89 | 231.26 | 231.41 | 231.17 | 231.00 | 230.76 | 230.95 | 230.80 | 230.72 | |
| 19 | 230.61 | 230.97 | 230.60 | 230.86 | 232.11 | 233.22 | 231.12 | 231.00 | 230.77 | 230.94 | 230.81 | 230.78 | |
| 20 | 230.64 | 230.93 | 231.17 | 230.93 | 231.60 | 233.59 | 231.13 | 230.99 | 230.79 | 230.90 | 230.77 | 230.72 | |
| 21 | 230.64 | 230.91 | 231.17 | 231.12 | 231.39 | 232.86 | 231.12 | 230.98 | 230.78 | 230.87 | 230.72 | 230.66 | |
| 22 | 230.64 | 231.10 | 231.08 | 230.98 | 231.24 | 232.71 | 231.11 | 230.97 | 230.76 | 230.81 | 230.70 | 230.65 | |
| 23 | 230.64 | 231.41 | 231.01 | 230.78 | 231.19 | 232.62 | 231.11 | 230.96 | 230.78 | 230.77 | 230.69 | 230.64 | |
| 24 | 230.64 | 232.01 | 230.88 | 230.76 | 231.14 | 232.52 | 231.10 | 230.95 | 230.80 | 230.75 | 230.66 | 230.63 | |
| 25 | 230.65 | 232.17 | 230.85 | 230.77 | 231.10 | 232.42 | 231.10 | 230.92 | 230.81 | 230.72 | 230.65 | 230.63 | |
| 26 | 230.65 | 231.69 | 230.90 | 231.55 | 231.20 | 232.22 | 231.08 | 230.94 | 230.81 | 230.71 | 230.66 | 230.62 | |
| 27 | 230.66 | 231.18 | 230.93 | 231.77 | 232.02 | 232.22 | 231.08 | 230.93 | 230.79 | 230.72 | 230.65 | 230.62 | |
| 28 | 230.67 | 231.06 | 230.88 | 231.57 | 233.01 | 232.12 | 231.07 | 230.93 | 230.80 | 230.70 | 230.65 | 230.66 | |
| 29 | 231.71 | 230.97 | 230.83 | 231.31 | 231.68 | 231.93 | 231.07 | 230.93 | 230.85 | 230.68 | | 230.65 | |
| 30 | 231.62 | 230.97 | 230.81 | 231.11 | 231.55 | 231.96 | 231.09 | 230.93 | 230.87 | 230.71 | | 230.66 | |
| 31 | | 230.97 | | 232.77 | 232.75 | | 231.10 | | 230.87 | 230.76 | | 230.73 | |
| Mean | 230.70 | 231.12 | 230.81 | 231.06 | 231.56 | 232.38 | 231.33 | 231.02 | 230.83 | 230.82 | 230.74 | 230.68 | |
| Max | 231.71 | 232.17 | 231.17 | 232.77 | 233.51 | 235.08 | 231.87 | 231.17 | 230.92 | 230.98 | 230.85 | 230.78 | 235.08 |
| Min | 230.60 | 230.89 | 230.54 | 230.74 | 231.10 | 231.41 | 231.07 | 230.92 | 230.76 | 230.68 | 230.65 | 230.62 | 230.54 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 236.10 | m. (MSL.) , | at 06.00 Hours , on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 230.50 | m. (MSL.) , | River Bed | 230.33 | m. (MSL.) |
| Left Bank Elevation | 238.06 | m. (MSL.) , | | | |
| Right Bank Elevation | 240.95 | m. (MSL.) , | Drainage Are | 941 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.25 | 12.85 | 4.25 | 1.78 | 170.10 | 379.00 | 37.50 | 7.80 | 3.80 | 3.05 | 1.93 | 1.03 | | |
| 2 | 1.03 | 7.20 | 2.90 | 1.55 | 34.50 | 142.25 | 33.00 | 8.20 | 3.65 | 2.90 | 2.15 | 1.48 | | |
| 3 | 1.03 | 5.80 | 4.25 | 1.63 | 35.50 | 100.85 | 28.50 | 8.40 | 3.20 | 4.25 | 2.30 | 1.78 | | |
| 4 | 0.88 | 5.20 | 3.65 | 2.45 | 24.00 | 84.70 | 24.00 | 7.20 | 3.05 | 4.70 | 2.75 | 1.70 | | |
| 5 | 0.88 | 4.55 | 2.75 | 4.25 | 15.65 | 77.75 | 20.80 | 6.60 | 3.05 | 4.10 | 2.75 | 1.78 | | |
| 6 | 0.80 | 4.40 | 2.75 | 4.40 | 9.70 | 71.00 | 16.80 | 6.40 | 3.20 | 2.60 | 1.78 | 1.78 | | |
| 7 | 0.73 | 4.10 | 2.15 | 6.00 | 8.00 | 65.40 | 12.85 | 6.40 | 2.90 | 2.30 | 1.48 | 1.25 | | |
| 8 | 0.73 | 4.10 | 1.78 | 6.60 | 7.80 | 58.90 | 17.20 | 6.20 | 3.05 | 2.00 | 2.00 | 1.03 | | |
| 9 | 0.65 | 3.35 | 1.63 | 6.80 | 7.80 | 53.90 | 37.00 | 6.00 | 3.05 | 1.85 | 1.48 | 0.80 | | |
| 10 | 0.65 | 5.20 | 1.40 | 6.60 | 8.00 | 47.85 | 31.00 | 5.40 | 3.05 | 1.63 | 1.18 | 0.80 | | |
| 11 | 0.65 | 4.55 | 1.33 | 5.80 | 7.60 | 44.00 | 19.20 | 5.40 | 3.05 | 1.48 | 1.18 | 0.88 | | |
| 12 | 0.65 | 4.55 | 1.18 | 5.60 | 7.20 | 40.00 | 18.80 | 5.40 | 2.30 | 1.55 | 1.18 | 0.88 | | |
| 13 | 0.65 | 4.40 | 1.03 | 3.50 | 7.60 | 35.50 | 16.40 | 5.80 | 2.30 | 2.60 | 1.70 | 0.88 | | |
| 14 | 0.65 | 4.25 | 0.45 | 3.20 | 35.00 | 32.00 | 12.85 | 5.60 | 2.15 | 2.75 | 1.85 | 1.03 | | |
| 15 | 0.58 | 8.40 | 0.35 | 3.50 | 20.00 | 25.00 | 11.80 | 5.40 | 1.85 | 2.45 | 1.78 | 1.18 | | |
| 16 | 0.50 | 6.40 | 0.25 | 3.05 | 9.35 | 20.40 | 10.75 | 5.40 | 1.70 | 3.95 | 1.85 | 1.18 | | |
| 17 | 0.50 | 4.70 | 0.20 | 3.35 | 12.50 | 18.40 | 9.35 | 5.20 | 1.70 | 4.10 | 1.85 | 1.18 | | |
| 18 | 0.58 | 4.70 | 0.20 | 3.35 | 11.10 | 16.40 | 8.40 | 5.00 | 1.70 | 4.25 | 2.00 | 1.40 | | |
| 19 | 0.58 | 4.55 | 0.50 | 2.90 | 50.05 | 139.10 | 7.40 | 5.00 | 1.78 | 4.10 | 2.15 | 1.85 | | |
| 20 | 0.80 | 3.95 | 8.40 | 3.95 | 24.00 | 178.90 | 7.60 | 4.85 | 1.93 | 3.50 | 1.78 | 1.40 | | |
| 21 | 0.80 | 3.65 | 8.40 | 7.40 | 15.65 | 105.10 | 7.40 | 4.70 | 1.85 | 3.05 | 1.40 | 0.95 | | |
| 22 | 0.80 | 7.00 | 6.60 | 4.70 | 10.40 | 92.35 | 7.20 | 4.55 | 1.70 | 2.15 | 1.25 | 0.88 | | |
| 23 | 0.80 | 16.40 | 5.20 | 1.85 | 8.80 | 84.70 | 7.20 | 4.40 | 1.85 | 1.78 | 1.18 | 0.80 | | |
| 24 | 0.80 | 44.55 | 3.20 | 1.70 | 7.80 | 77.00 | 7.00 | 4.25 | 2.00 | 1.63 | 0.95 | 0.73 | | |
| 25 | 0.88 | 53.35 | 2.75 | 1.78 | 7.00 | 69.50 | 7.00 | 3.80 | 2.15 | 1.40 | 0.88 | 0.73 | | |
| 26 | 0.88 | 28.50 | 3.50 | 22.00 | 9.00 | 56.30 | 6.60 | 4.10 | 2.15 | 1.33 | 0.95 | 0.65 | | |
| 27 | 0.95 | 8.60 | 3.95 | 32.50 | 45.10 | 56.30 | 6.60 | 3.95 | 1.93 | 1.40 | 0.88 | 0.65 | | |
| 28 | 1.03 | 6.20 | 3.20 | 22.80 | 118.00 | 50.60 | 6.40 | 3.95 | 2.00 | 1.25 | 0.88 | 0.95 | | |
| 29 | 29.50 | 4.55 | 2.45 | 12.85 | 28.00 | 40.50 | 6.40 | 3.95 | 2.75 | 1.10 | | 0.88 | | |
| 30 | 25.00 | 4.55 | 2.15 | 7.20 | 22.00 | 42.00 | 6.80 | 3.95 | 3.05 | 1.33 | | 0.95 | | |
| 31 | | 4.55 | | 97.45 | 95.75 | | 7.00 | | 3.05 | 1.70 | | 1.48 | | |
| Total | 76.21 | 289.10 | 82.80 | 292.49 | 872.95 | 2305.65 | 456.80 | 163.25 | 76.94 | 78.23 | 45.49 | 34.94 | 4774.85 | CMSDAY |
| Mean | 2.54 | 9.33 | 2.76 | 9.44 | 28.16 | 76.86 | 14.74 | 5.44 | 2.48 | 2.52 | 1.62 | 1.13 | 13.08 | CMS |
| Max | 29.50 | 53.35 | 8.40 | 97.45 | 170.10 | 379.00 | 37.50 | 8.40 | 3.80 | 4.70 | 2.75 | 1.85 | 379.00 | CMS |
| Min | 0.50 | 3.35 | 0.20 | 1.55 | 7.00 | 16.40 | 6.40 | 3.80 | 1.70 | 1.10 | 0.88 | 0.65 | 0.20 | CMS |
| Runoff | 6.58 | 24.98 | 7.15 | 25.27 | 75.42 | 199.21 | 39.47 | 14.10 | 6.65 | 6.76 | 3.93 | 3.02 | 412.55 | MCM |

Momentary Peak 533.50 CMS. at 236.10 m. (MSL.) at 06.00 Hours , on Sep 1, 2006

Runoff Yield 13.90 Liters/Second/Square KM. Momentary Peak Yield 566.91 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Tha Dua , Lampang (W.21)

Lat 18 - 20 - 18 N Long 99 - 32 - 27 E

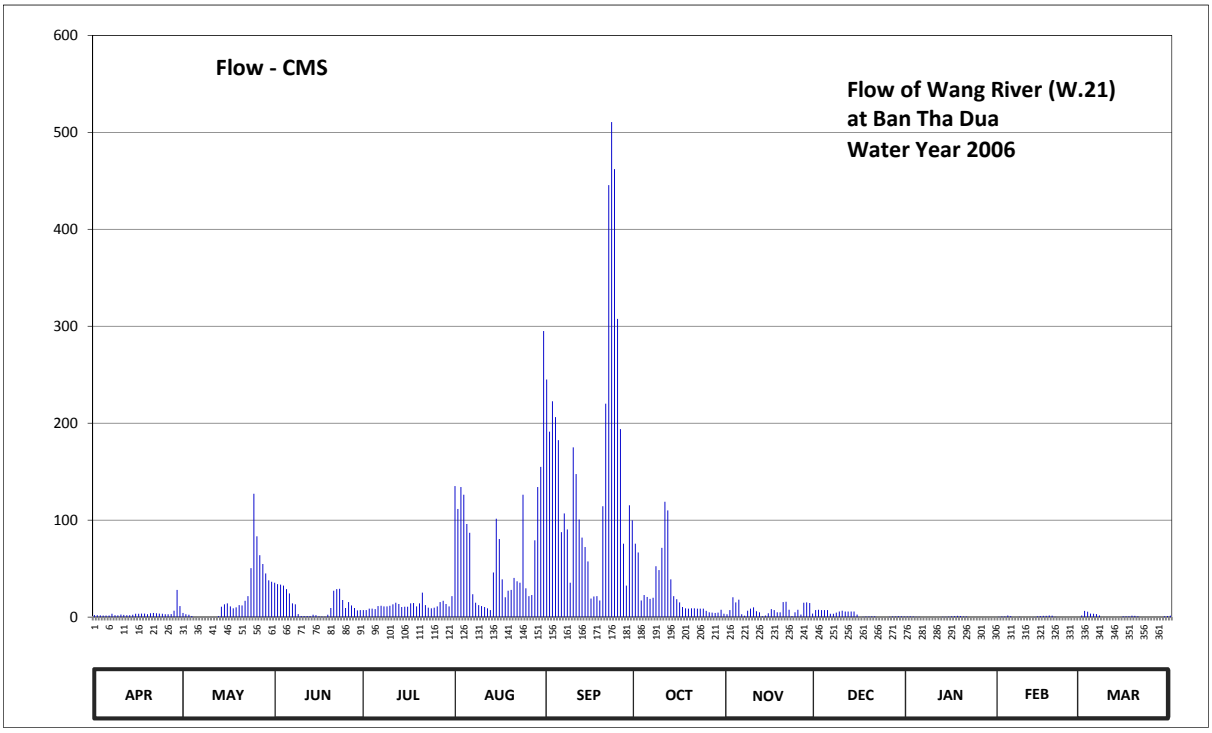
**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Dua | **Amphoe** Mueang | **Changwat** Lampang |
| **Drainge Area** | 3,367 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +232.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 5 meters from the top staff gage. | | **Elevation** +236.495 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings. | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 53 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 231.88 | 231.99 | 232.83 | 232.10 | 234.25 | 235.18 | 233.51 | 231.93 | 232.10 | 231.75 | 231.73 | 231.83 | |
| 2 | 231.86 | 231.93 | 232.80 | 232.10 | 234.00 | 234.75 | 233.38 | 232.10 | 232.11 | 231.77 | 231.75 | 232.07 | |
| 3 | 231.85 | 231.90 | 232.79 | 232.15 | 234.24 | 235.00 | 232.40 | 232.48 | 232.10 | 231.75 | 231.75 | 232.04 | |
| 4 | 231.84 | 231.79 | 232.77 | 232.15 | 234.16 | 234.87 | 232.54 | 232.34 | 232.10 | 231.73 | 231.83 | 231.96 | |
| 5 | 231.84 | 231.68 | 232.69 | 232.13 | 233.80 | 234.68 | 232.49 | 232.42 | 232.10 | 231.73 | 231.78 | 231.95 | |
| 6 | 231.84 | 231.69 | 232.58 | 232.23 | 233.67 | 233.68 | 232.44 | 231.93 | 231.95 | 231.60 | 231.67 | 231.94 | |
| 7 | 231.95 | 231.70 | 232.31 | 232.24 | 232.56 | 233.94 | 232.47 | 231.82 | 231.95 | 231.60 | 231.65 | 231.84 | |
| 8 | 231.86 | 231.66 | 232.28 | 232.22 | 232.33 | 233.72 | 233.17 | 232.08 | 232.01 | 231.58 | 231.72 | 231.70 | |
| 9 | 231.85 | 231.68 | 231.94 | 232.22 | 232.26 | 232.83 | 233.09 | 232.15 | 232.05 | 231.59 | 231.67 | 231.66 | |
| 10 | 231.91 | 231.66 | 231.80 | 232.24 | 232.23 | 234.62 | 233.45 | 232.19 | 232.08 | 231.60 | 231.67 | 231.62 | |
| 11 | 231.89 | 231.68 | 231.80 | 232.28 | 232.20 | 234.37 | 234.08 | 232.06 | 232.05 | 231.62 | 231.66 | 231.60 | |
| 12 | 231.86 | 231.70 | 231.80 | 232.33 | 232.16 | 233.86 | 233.98 | 232.02 | 232.05 | 231.63 | 231.65 | 231.60 | |
| 13 | 231.86 | 231.78 | 231.79 | 232.29 | 232.10 | 233.60 | 232.90 | 231.78 | 232.05 | 231.72 | 231.71 | 231.63 | |
| 14 | 231.90 | 232.21 | 231.90 | 232.20 | 233.04 | 233.46 | 232.51 | 231.84 | 232.05 | 231.72 | 231.76 | 231.69 | |
| 15 | 231.95 | 232.28 | 231.87 | 232.21 | 233.87 | 233.25 | 232.43 | 231.98 | 231.91 | 231.74 | 231.79 | 231.77 | |
| 16 | 231.95 | 232.31 | 231.77 | 232.21 | 233.58 | 232.45 | 232.34 | 232.13 | 231.65 | 231.77 | 231.81 | 231.77 | |
| 17 | 231.96 | 232.22 | 231.75 | 232.31 | 232.90 | 232.50 | 232.20 | 232.10 | 231.73 | 231.78 | 231.81 | 231.77 | |
| 18 | 231.96 | 232.16 | 231.74 | 232.32 | 232.48 | 232.51 | 232.16 | 232.02 | 231.75 | 231.81 | 231.83 | 231.82 | |
| 19 | 231.93 | 232.19 | 231.90 | 232.22 | 232.65 | 232.40 | 232.15 | 232.02 | 231.75 | 231.79 | 231.82 | 231.81 | |
| 20 | 231.98 | 232.26 | 232.17 | 232.31 | 232.67 | 234.03 | 232.16 | 232.35 | 231.77 | 231.75 | 231.72 | 231.76 | |
| 21 | 231.99 | 232.25 | 232.65 | 232.60 | 232.93 | 234.98 | 232.16 | 232.36 | 231.77 | 231.75 | 231.65 | 231.69 | |
| 22 | 231.98 | 232.39 | 232.69 | 232.26 | 232.86 | 236.62 | 232.15 | 232.11 | 231.70 | 231.68 | 231.61 | 231.64 | |
| 23 | 231.96 | 232.51 | 232.70 | 232.18 | 232.83 | 236.99 | 232.15 | 231.80 | 231.65 | 231.65 | 231.63 | 231.60 | |
| 24 | 231.95 | 233.13 | 232.41 | 232.16 | 234.16 | 236.73 | 232.15 | 232.02 | 231.67 | 231.65 | 231.66 | 231.62 | |
| 25 | 231.93 | 234.17 | 232.17 | 232.18 | 232.71 | 235.68 | 232.07 | 232.11 | 231.69 | 231.64 | 231.68 | 231.62 | |
| 26 | 231.93 | 233.62 | 232.35 | 232.22 | 232.51 | 234.77 | 232.02 | 231.91 | 231.73 | 231.63 | 231.70 | 231.61 | |
| 27 | 231.94 | 233.34 | 232.25 | 232.35 | 232.54 | 233.51 | 232.01 | 232.33 | 231.75 | 231.61 | 231.69 | 231.60 | |
| 28 | 232.08 | 233.21 | 232.17 | 232.39 | 233.56 | 232.77 | 231.99 | 232.34 | 231.75 | 231.60 | 231.70 | 231.65 | |
| 29 | 232.67 | 233.02 | 232.09 | 232.29 | 234.24 | 234.04 | 232.01 | 232.32 | 231.78 | 231.59 | | 231.77 | |
| 30 | 232.23 | 232.88 | 232.10 | 232.22 | 234.44 | 233.85 | 232.11 | 231.96 | 231.76 | 231.60 | | 231.80 | |
| 31 | | 232.85 | | 232.51 | 235.58 | | 231.95 | | 231.75 | 231.68 | | 231.82 | |
| Mean | 231.95 | 232.32 | 232.23 | 232.25 | 233.21 | 234.19 | 232.54 | 232.10 | 231.88 | 231.68 | 231.72 | 231.75 | |
| Max | 232.67 | 234.17 | 232.83 | 232.60 | 235.58 | 236.99 | 234.08 | 232.48 | 232.11 | 231.81 | 231.83 | 232.07 | 236.99 |
| Min | 231.84 | 231.66 | 231.74 | 232.10 | 232.10 | 232.40 | 231.95 | 231.78 | 231.65 | 231.58 | 231.61 | 231.60 | 231.58 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 237.05 | m. (MSL.) , | at 24.00 Hours , on Sep 22, 2006 | | |
| Zero Gage at Bottom Elevation | 232.00 | m. (MSL.) , | River Bed | 230.98 | m. (MSL.) |
| Left Bank Elevation | 239.92 | m. (MSL.) , | | | |
| Right Bank Elevation | 240.95 | m. (MSL.) , | Drainage Are | 3,367 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.16 | 4.20 | 35.50 | 7.20 | 135.15 | 245.10 | 75.70 | 3.00 | 7.20 | 0.63 | 0.40 | 1.56 | | |
| 2 | 1.92 | 3.00 | 34.00 | 7.20 | 111.60 | 191.35 | 66.60 | 7.20 | 7.52 | 0.86 | 0.63 | 6.36 | | |
| 3 | 1.80 | 2.40 | 33.52 | 8.80 | 134.12 | 222.60 | 17.20 | 20.40 | 7.20 | 0.63 | 0.63 | 5.52 | | |
| 4 | 1.68 | 1.09 | 32.56 | 8.80 | 126.32 | 206.35 | 22.80 | 15.16 | 7.20 | 0.40 | 1.56 | 3.60 | | |
| 5 | 1.68 | 0.05 | 28.80 | 8.16 | 96.00 | 182.60 | 20.80 | 18.00 | 7.20 | 0.40 | 0.97 | 3.40 | | |
| 6 | 1.68 | 0.06 | 24.40 | 11.42 | 86.90 | 87.60 | 18.80 | 3.00 | 3.40 | 0.03 | 0.05 | 3.20 | | |
| 7 | 3.40 | 0.06 | 14.14 | 11.76 | 23.60 | 106.92 | 20.00 | 1.44 | 3.40 | 0.03 | 0.05 | 1.68 | | |
| 8 | 1.92 | 0.05 | 13.12 | 11.08 | 14.82 | 90.40 | 52.50 | 6.64 | 4.68 | 0.02 | 0.29 | 0.06 | | |
| 9 | 1.80 | 0.05 | 3.20 | 11.08 | 12.44 | 35.50 | 48.50 | 8.80 | 5.80 | 0.03 | 0.05 | 0.05 | | |
| 10 | 2.60 | 0.05 | 1.20 | 11.76 | 11.42 | 175.10 | 71.50 | 10.08 | 6.64 | 0.03 | 0.05 | 0.04 | | |
| 11 | 2.28 | 0.05 | 1.20 | 13.12 | 10.40 | 147.51 | 118.96 | 6.08 | 5.80 | 0.04 | 0.05 | 0.03 | | |
| 12 | 1.92 | 0.06 | 1.20 | 14.82 | 9.12 | 100.68 | 110.04 | 4.96 | 5.80 | 0.04 | 0.05 | 0.03 | | |
| 13 | 1.92 | 0.97 | 1.09 | 13.46 | 7.20 | 82.00 | 39.00 | 0.97 | 5.80 | 0.29 | 0.17 | 0.04 | | |
| 14 | 2.40 | 10.74 | 2.40 | 10.40 | 46.00 | 72.20 | 21.60 | 1.68 | 5.80 | 0.29 | 0.74 | 0.06 | | |
| 15 | 3.40 | 13.12 | 2.04 | 10.74 | 101.46 | 57.50 | 18.40 | 4.00 | 2.60 | 0.52 | 1.09 | 0.86 | | |
| 16 | 3.40 | 14.14 | 0.86 | 10.74 | 80.60 | 19.20 | 15.16 | 8.16 | 0.05 | 0.86 | 1.32 | 0.86 | | |
| 17 | 3.60 | 11.08 | 0.63 | 14.14 | 39.00 | 21.20 | 10.40 | 7.20 | 0.40 | 0.97 | 1.32 | 0.86 | | |
| 18 | 3.60 | 9.12 | 0.52 | 14.48 | 20.40 | 21.60 | 9.12 | 4.96 | 0.63 | 1.32 | 1.56 | 1.44 | | |
| 19 | 3.00 | 10.08 | 2.40 | 11.08 | 27.20 | 17.20 | 8.80 | 4.96 | 0.63 | 1.09 | 1.44 | 1.32 | | |
| 20 | 4.00 | 12.44 | 9.44 | 14.14 | 28.00 | 114.36 | 9.12 | 15.50 | 0.86 | 0.63 | 0.29 | 0.74 | | |
| 21 | 4.20 | 12.10 | 27.20 | 25.20 | 40.50 | 220.10 | 9.12 | 15.84 | 0.86 | 0.63 | 0.05 | 0.06 | | |
| 22 | 4.00 | 16.86 | 28.80 | 12.44 | 37.00 | 445.60 | 8.80 | 7.52 | 0.06 | 0.05 | 0.03 | 0.04 | | |
| 23 | 3.60 | 21.60 | 29.20 | 9.76 | 35.50 | 510.60 | 8.80 | 1.20 | 0.05 | 0.05 | 0.04 | 0.03 | | |
| 24 | 3.40 | 50.50 | 17.60 | 9.12 | 126.32 | 462.10 | 8.80 | 4.96 | 0.05 | 0.05 | 0.05 | 0.04 | | |
| 25 | 3.00 | 127.24 | 9.44 | 9.76 | 29.68 | 307.60 | 6.36 | 7.52 | 0.06 | 0.04 | 0.05 | 0.04 | | |
| 26 | 3.00 | 83.40 | 15.50 | 11.08 | 21.60 | 193.85 | 4.96 | 2.60 | 0.40 | 0.04 | 0.06 | 0.03 | | |
| 27 | 3.20 | 63.80 | 12.10 | 15.50 | 22.80 | 75.70 | 4.68 | 14.82 | 0.63 | 0.03 | 0.06 | 0.03 | | |
| 28 | 6.64 | 54.70 | 9.44 | 16.86 | 79.20 | 32.56 | 4.20 | 15.16 | 0.63 | 0.03 | 0.06 | 0.05 | | |
| 29 | 28.00 | 45.00 | 6.92 | 13.46 | 134.12 | 115.28 | 4.68 | 14.48 | 0.97 | 0.03 | | 0.86 | | |
| 30 | 11.42 | 38.00 | 7.20 | 11.08 | 155.00 | 99.90 | 7.52 | 3.60 | 0.74 | 0.03 | | 1.20 | | |
| 31 | | 36.50 | | 21.60 | 295.10 | | 3.40 | | 0.63 | 0.05 | | 1.44 | | |
| Total | 120.62 | 642.51 | 405.62 | 380.24 | 2098.57 | 4660.26 | 846.32 | 239.89 | 93.69 | 10.14 | 13.11 | 35.53 | 9546.50 | CMSDAY |
| Mean | 4.02 | 20.73 | 13.52 | 12.27 | 67.70 | 155.34 | 27.30 | 8.00 | 3.02 | 0.33 | 0.47 | 1.15 | 26.15 | CMS |
| Max | 28.00 | 127.24 | 35.50 | 25.20 | 295.10 | 510.60 | 118.96 | 20.40 | 7.52 | 1.32 | 1.56 | 6.36 | 510.60 | CMS |
| Min | 1.68 | 0.05 | 0.52 | 7.20 | 7.20 | 17.20 | 3.40 | 0.97 | 0.05 | 0.02 | 0.03 | 0.03 | 0.02 | CMS |
| Runoff | 10.42 | 55.51 | 35.05 | 32.85 | 181.32 | 402.65 | 73.12 | 20.73 | 8.09 | 0.88 | 1.13 | 3.07 | 824.82 | MCM |

Momentary Peak 522.60 CMS. at 237.05 m. (MSL.) at 24.00 Hours , on Sep 22, 2006

Runoff Yield 7.77 Liters/Second/Square KM. Momentary Peak Yield 155.21 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Nam Mae Chang at Ban Wang Phrao , Lampang (W.22)

Lat 18 - 08 - 35 N Long 99 - 24 - 48 E

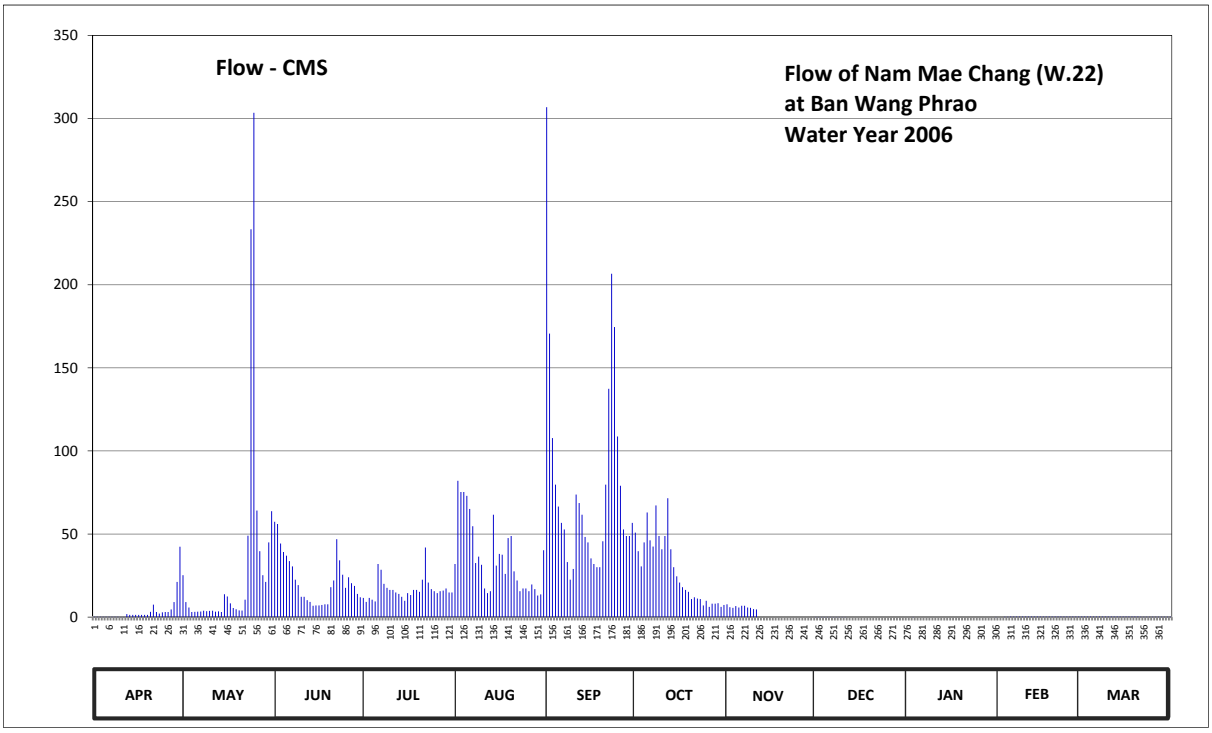
**Location : on right bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Phrao | **Amphoe** Ko Kha | **Changwat** Lampang |
| **Drainge Area** | 1,549 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +215.161 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the approach of the bridge. | | **Elevation** +221.226 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings. | | |
| **Period of Available Gage Records** | 2001 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2001 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2001 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 28 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 216.20 | 216.76 | 217.02 | 216.13 | 216.60 | 219.16 | 216.92 | 216.02 | 215.75 | 215.83 | 215.75 | 216.31 | |
| 2 | 216.20 | 216.32 | 217.00 | 216.13 | 217.36 | 218.22 | 216.74 | 215.95 | 215.73 | 215.84 | 215.83 | 216.31 | |
| 3 | 216.20 | 216.18 | 216.82 | 216.13 | 217.27 | 217.65 | 216.57 | 215.93 | 215.73 | 215.86 | 216.16 | 216.31 | |
| 4 | 216.20 | 216.09 | 216.73 | 216.10 | 217.27 | 217.33 | 216.83 | 215.98 | 215.78 | 215.52 | 216.23 | 216.31 | |
| 5 | 216.20 | 215.92 | 216.69 | 216.10 | 217.24 | 217.15 | 217.10 | 216.00 | 215.85 | 215.65 | 216.34 | 216.30 | |
| 6 | 216.20 | 215.93 | 216.63 | 216.60 | 217.13 | 217.01 | 216.85 | 215.99 | 215.90 | 215.64 | 216.36 | 216.30 | |
| 7 | 216.20 | 215.95 | 216.57 | 216.53 | 216.98 | 216.95 | 216.79 | 215.99 | 215.68 | 215.64 | 216.36 | 216.30 | |
| 8 | 216.21 | 215.98 | 216.41 | 216.35 | 216.61 | 216.62 | 217.16 | 215.97 | 215.71 | 215.65 | 216.36 | 216.30 | |
| 9 | 216.21 | 215.96 | 216.33 | 216.29 | 216.68 | 216.41 | 216.89 | 215.93 | 215.71 | 215.63 | 216.36 | 216.30 | |
| 10 | 215.33 | 215.97 | 216.15 | 216.26 | 216.59 | 216.54 | 216.75 | 215.89 | 215.71 | 215.62 | 216.36 | 216.29 | |
| 11 | 215.33 | 215.98 | 216.11 | 216.26 | 216.28 | 217.25 | 216.89 | 215.88 | 215.71 | 215.65 | 216.36 | 216.29 | |
| 12 | 215.76 | 215.93 | 216.09 | 216.22 | 216.21 | 217.18 | 217.21 | 215.84 | 215.70 | 215.65 | 216.36 | 216.29 | |
| 13 | 215.66 | 215.95 | 216.06 | 216.20 | 216.24 | 217.08 | 216.76 | 215.84 | 215.70 | 215.65 | 216.36 | 216.29 | |
| 14 | 215.66 | 215.91 | 216.02 | 216.15 | 217.08 | 216.88 | 216.55 | 215.84 | 215.70 | 215.64 | 216.36 | 216.29 | |
| 15 | 215.67 | 216.48 | 216.00 | 216.11 | 216.58 | 216.83 | 216.45 | 215.84 | 215.70 | 215.63 | 216.36 | 216.29 | |
| 16 | 215.67 | 216.44 | 216.00 | 216.21 | 216.71 | 216.66 | 216.37 | 215.83 | 215.70 | 215.61 | 216.36 | 216.29 | |
| 17 | 215.66 | 216.29 | 216.01 | 216.18 | 216.70 | 216.60 | 216.30 | 215.83 | 215.70 | 215.61 | 216.36 | 216.29 | |
| 18 | 215.66 | 216.15 | 216.02 | 216.26 | 216.48 | 216.56 | 216.26 | 215.83 | 215.66 | 215.60 | 216.36 | 216.28 | |
| 19 | 215.66 | 216.07 | 216.02 | 216.26 | 216.87 | 216.56 | 216.22 | 215.82 | 215.66 | 215.61 | 216.35 | 216.28 | |
| 20 | 215.92 | 216.00 | 216.32 | 216.23 | 216.89 | 216.84 | 216.11 | 215.81 | 215.66 | 215.61 | 216.34 | 216.28 | |
| 21 | 216.26 | 215.99 | 216.40 | 216.41 | 216.51 | 217.33 | 216.14 | 215.81 | 215.65 | 215.61 | 216.35 | 216.26 | |
| 22 | 215.91 | 216.38 | 216.86 | 216.78 | 216.40 | 217.94 | 216.12 | 215.81 | 215.64 | 215.55 | 216.33 | 216.25 | |
| 23 | 215.81 | 217.20 | 216.68 | 216.37 | 216.24 | 218.49 | 216.11 | 215.81 | 215.62 | 215.54 | 216.34 | 216.25 | |
| 24 | 215.89 | 219.08 | 216.47 | 216.27 | 216.28 | 218.25 | 216.00 | 215.81 | 215.61 | 215.54 | 216.33 | 216.24 | |
| 25 | 215.91 | 219.61 | 216.29 | 216.21 | 216.28 | 217.66 | 216.07 | 215.81 | 215.61 | 215.54 | 216.33 | 216.24 | |
| 26 | 215.91 | 218.09 | 216.44 | 216.21 | 216.24 | 217.32 | 215.96 | 215.81 | 215.61 | 215.78 | 216.32 | 216.23 | |
| 27 | 216.06 | 217.03 | 216.36 | 216.24 | 216.34 | 216.95 | 216.03 | 215.81 | 215.61 | 215.68 | 216.32 | 216.22 | |
| 28 | 216.32 | 216.76 | 216.32 | 216.25 | 216.27 | 216.89 | 216.03 | 215.80 | 215.51 | 215.70 | 216.31 | 216.22 | |
| 29 | 216.67 | 216.67 | 216.20 | 216.28 | 216.17 | 216.89 | 216.04 | 215.79 | 215.51 | 215.71 | | 216.22 | |
| 30 | 217.08 | 216.83 | 216.14 | 216.22 | 216.19 | 217.01 | 215.96 | 215.76 | 215.51 | 215.71 | | 216.20 | |
| 31 | | 217.11 | | 216.22 | 216.75 | | 216.01 | | 215.51 | 216.03 | | 216.19 | |
| Mean | 215.99 | 216.55 | 216.37 | 216.26 | 216.63 | 217.21 | 216.46 | 215.87 | 215.67 | 215.66 | 216.30 | 216.27 | |
| Max | 217.08 | 219.61 | 217.02 | 216.78 | 217.36 | 219.16 | 217.21 | 216.02 | 215.90 | 216.03 | 216.36 | 216.31 | 219.61 |
| Min | 215.33 | 215.91 | 216.00 | 216.10 | 216.17 | 216.41 | 215.96 | 215.76 | 215.51 | 215.52 | 215.75 | 216.19 | 215.33 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 220.06 | m. (MSL.) , | at 12.00 Hours , on May 25, 2006 | | |
| Zero Gage at Bottom Elevation | 215.16 | m. (MSL.) , | River Bed | 214.25 | m. (MSL.) |
| Left Bank Elevation | 221.16 | m. (MSL.) , | | | |
| Right Bank Elevation | 221.22 | m. (MSL.) , | Drainage Are | 1,549 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.20 | 25.20 | 57.40 | 11.55 | 32.00 | 306.80 | 50.80 | 7.70 | 0.11 | 0.04 | 0.03 | 0.25 | | |
| 2 | 0.20 | 9.00 | 56.00 | 9.10 | 82.00 | 170.60 | 39.70 | 6.00 | 0.07 | 0.04 | 0.04 | 0.25 | | |
| 3 | 0.20 | 5.80 | 44.30 | 11.55 | 75.25 | 107.75 | 30.50 | 5.60 | 0.07 | 0.05 | 0.18 | 0.25 | | |
| 4 | 0.20 | 3.10 | 39.15 | 10.50 | 75.25 | 79.75 | 44.95 | 6.60 | 0.09 | 0.01 | 0.21 | 0.25 | | |
| 5 | 0.20 | 3.20 | 36.95 | 9.45 | 73.00 | 66.50 | 63.00 | 5.80 | 0.07 | 0.03 | 0.27 | 0.25 | | |
| 6 | 0.20 | 3.30 | 33.65 | 32.00 | 65.10 | 56.70 | 46.25 | 6.80 | 0.10 | 0.02 | 0.28 | 0.25 | | |
| 7 | 0.20 | 3.40 | 30.50 | 28.50 | 54.70 | 52.75 | 42.45 | 6.80 | 0.10 | 0.02 | 0.28 | 0.25 | | |
| 8 | 0.21 | 3.80 | 22.50 | 20.00 | 32.55 | 33.10 | 67.20 | 5.80 | 0.07 | 0.03 | 0.28 | 0.25 | | |
| 9 | 0.21 | 3.60 | 19.20 | 17.60 | 36.40 | 22.50 | 48.85 | 5.60 | 0.07 | 0.02 | 0.28 | 0.25 | | |
| 10 | 0.08 | 3.70 | 12.25 | 16.40 | 31.50 | 29.00 | 40.80 | 4.80 | 0.05 | 0.02 | 0.28 | 0.24 | | |
| 11 | 0.08 | 3.80 | 12.25 | 16.40 | 17.20 | 73.75 | 48.85 | 4.60 | 0.05 | 0.03 | 0.28 | 0.24 | | |
| 12 | 1.80 | 3.30 | 10.15 | 14.80 | 14.40 | 68.60 | 71.50 | 0.04 | 0.04 | 0.03 | 0.28 | 0.24 | | |
| 13 | 1.30 | 3.50 | 9.10 | 14.00 | 15.60 | 61.60 | 40.80 | 0.04 | 0.04 | 0.03 | 0.28 | 0.24 | | |
| 14 | 1.30 | 3.10 | 6.80 | 12.25 | 61.60 | 48.20 | 30.00 | 0.04 | 0.04 | 0.02 | 0.28 | 0.24 | | |
| 15 | 1.35 | 13.80 | 7.00 | 9.80 | 31.00 | 44.95 | 24.50 | 0.04 | 0.04 | 0.02 | 0.28 | 0.24 | | |
| 16 | 1.35 | 12.40 | 7.00 | 14.40 | 38.05 | 35.30 | 20.80 | 0.04 | 0.04 | 0.02 | 0.28 | 0.24 | | |
| 17 | 1.30 | 8.25 | 7.35 | 13.30 | 37.50 | 32.00 | 18.00 | 0.04 | 0.04 | 0.02 | 0.28 | 0.24 | | |
| 18 | 1.30 | 5.50 | 7.70 | 16.40 | 26.00 | 30.00 | 16.40 | 0.04 | 0.04 | 0.02 | 0.28 | 0.24 | | |
| 19 | 1.30 | 4.70 | 7.70 | 16.40 | 47.55 | 30.00 | 15.20 | 0.04 | 0.04 | 0.02 | 0.27 | 0.24 | | |
| 20 | 3.20 | 4.00 | 18.00 | 15.20 | 48.85 | 45.60 | 10.85 | 0.04 | 0.04 | 0.02 | 0.27 | 0.24 | | |
| 21 | 7.50 | 3.90 | 22.00 | 22.50 | 27.50 | 79.75 | 11.90 | 0.03 | 0.03 | 0.02 | 0.27 | 0.23 | | |
| 22 | 3.10 | 10.50 | 46.90 | 41.90 | 22.00 | 137.40 | 11.20 | 0.04 | 0.04 | 0.02 | 0.27 | 0.22 | | |
| 23 | 2.10 | 49.00 | 34.20 | 20.80 | 15.60 | 206.60 | 10.85 | 0.04 | 0.04 | 0.01 | 0.27 | 0.22 | | |
| 24 | 2.90 | 233.40 | 25.50 | 16.80 | 17.20 | 174.50 | 7.00 | 0.04 | 0.04 | 0.01 | 0.27 | 0.22 | | |
| 25 | 3.10 | 303.40 | 17.60 | 15.60 | 17.20 | 108.70 | 9.80 | 0.04 | 0.04 | 0.01 | 0.27 | 0.22 | | |
| 26 | 3.10 | 64.10 | 24.00 | 14.40 | 15.60 | 79.00 | 6.20 | 0.04 | 0.04 | 0.04 | 0.26 | 0.21 | | |
| 27 | 4.60 | 39.65 | 20.40 | 15.60 | 19.60 | 52.75 | 8.05 | 0.04 | 0.04 | 0.03 | 0.26 | 0.21 | | |
| 28 | 9.00 | 25.20 | 18.80 | 16.00 | 16.80 | 48.85 | 8.05 | 0.04 | 0.04 | 0.03 | 0.25 | 0.21 | | |
| 29 | 21.15 | 21.15 | 14.00 | 17.20 | 12.95 | 48.85 | 8.40 | 0.04 | 0.04 | 0.03 | | 0.21 | | |
| 30 | 42.40 | 44.95 | 11.90 | 14.80 | 13.65 | 56.70 | 6.20 | 0.04 | 0.04 | 0.03 | | 0.20 | | |
| 31 | | 63.70 | | 14.80 | 40.25 | | 7.35 | | 0.04 | 0.11 | | 0.19 | | |
| Total | 115.13 | 985.40 | 680.25 | 520.00 | 1113.85 | 2388.55 | 866.40 | 66.85 | 1.64 | 0.85 | 7.03 | 7.23 | 6753.18 | CMSDAY |
| Mean | 3.84 | 31.79 | 22.68 | 16.77 | 35.93 | 79.62 | 27.95 | 2.23 | 0.05 | 0.03 | 0.25 | 0.23 | 18.50 | CMS |
| Max | 42.40 | 303.40 | 57.40 | 41.90 | 82.00 | 306.80 | 71.50 | 7.70 | 0.11 | 0.11 | 0.28 | 0.25 | 306.80 | CMS |
| Min | 0.08 | 3.10 | 6.80 | 9.10 | 12.95 | 22.50 | 6.20 | 0.03 | 0.03 | 0.01 | 0.03 | 0.19 | 0.01 | CMS |
| Runoff | 9.95 | 85.14 | 58.77 | 44.93 | 96.24 | 206.37 | 74.86 | 5.78 | 0.14 | 0.07 | 0.61 | 0.62 | 583.47 | MCM |

Momentary Peak 369.00 CMS. at 220.06 m. (MSL.) at 12.00 Hours , on May 25, 2006

Runoff Yield 11.94 Liters/Second/Square KM. Momentary Peak Yield 238.22 Liters/Second/Square KM.

## WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Chiang Rai , Tak (W.23)

Lat 17 - 22 - 01 N Long 99 - 06 - 55 E

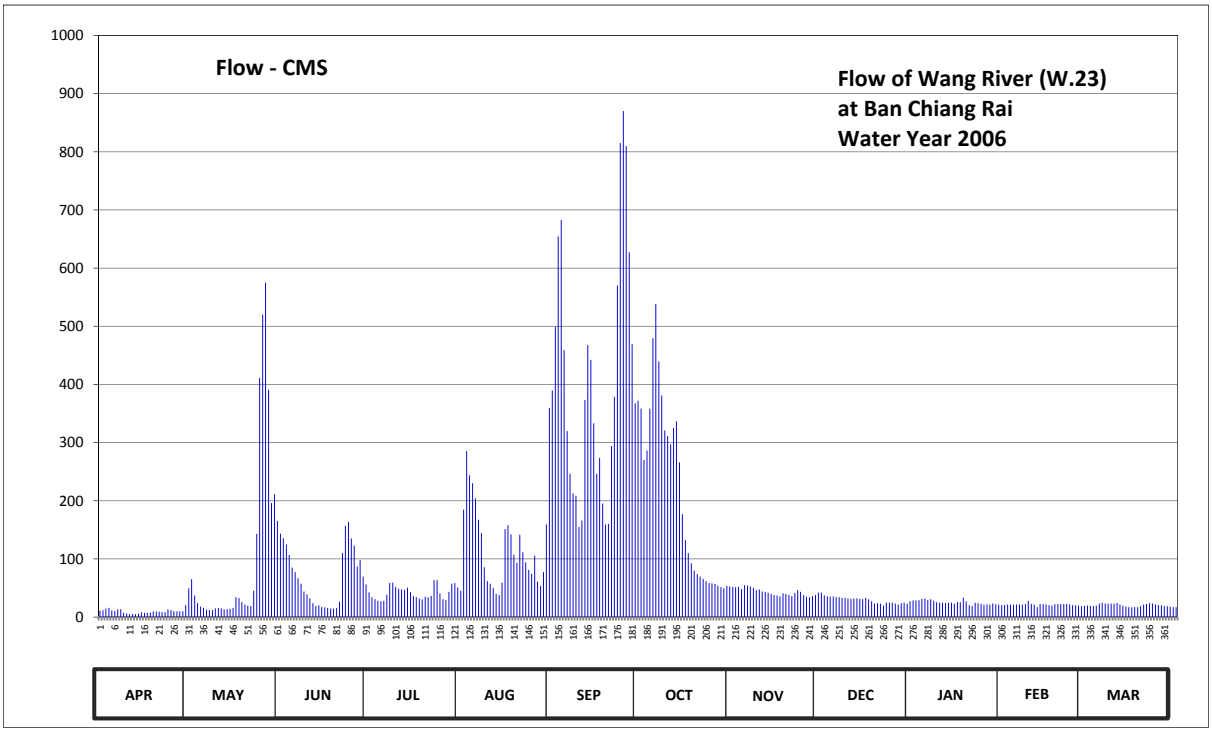
**Location : on left bank at Amphoe Sam Ngao.**

| | | | |
|---|---|---|---|
| | **Ban** Chiang Rai | **Amphoe** Sam Ngao | **Changwat** Tak |
| **Drainge Area** | 9,930 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +141.291 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +148.271 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings. | | |
| **Period of Available Gage Records** | 2001 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2001 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2001 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 141.80 | 142.71 | 144.21 | 142.57 | 142.63 | 146.97 | 146.68 | 142.76 | 142.56 | 142.28 | 142.09 | 142.07 | |
| 2 | 141.83 | 143.02 | 144.10 | 142.40 | 144.76 | 147.67 | 145.79 | 142.75 | 142.47 | 142.28 | 142.12 | 142.06 | |
| 3 | 141.93 | 142.46 | 143.94 | 142.33 | 145.96 | 148.26 | 145.97 | 142.76 | 142.43 | 142.29 | 142.11 | 142.05 | |
| 4 | 141.96 | 142.17 | 143.68 | 142.27 | 145.48 | 148.34 | 146.68 | 142.68 | 142.43 | 142.34 | 142.11 | 142.07 | |
| 5 | 141.81 | 142.03 | 143.37 | 142.24 | 145.32 | 147.45 | 147.57 | 142.82 | 142.43 | 142.36 | 142.12 | 142.16 | |
| 6 | 141.78 | 141.96 | 143.24 | 142.26 | 145.00 | 146.31 | 147.85 | 142.80 | 142.41 | 142.29 | 142.12 | 142.19 | |
| 7 | 141.88 | 141.85 | 143.05 | 142.49 | 144.54 | 145.51 | 147.33 | 142.77 | 142.40 | 142.33 | 142.11 | 142.16 | |
| 8 | 141.88 | 141.84 | 142.87 | 142.89 | 144.22 | 145.11 | 146.89 | 142.72 | 142.37 | 142.27 | 142.13 | 142.15 | |
| 9 | 141.68 | 141.84 | 142.60 | 142.90 | 143.38 | 145.06 | 146.32 | 142.65 | 142.38 | 142.21 | 142.27 | 142.15 | |
| 10 | 141.64 | 141.94 | 142.50 | 142.76 | 142.96 | 144.37 | 146.22 | 142.67 | 142.35 | 142.19 | 142.14 | 142.15 | |
| 11 | 141.60 | 141.96 | 142.36 | 142.70 | 142.87 | 144.52 | 146.08 | 142.60 | 142.34 | 142.19 | 142.11 | 142.18 | |
| 12 | 141.62 | 141.93 | 142.17 | 142.67 | 142.72 | 146.82 | 146.36 | 142.59 | 142.35 | 142.18 | 142.00 | 142.12 | |
| 13 | 141.61 | 141.86 | 142.05 | 142.66 | 142.52 | 147.50 | 146.47 | 142.56 | 142.36 | 142.19 | 142.14 | 142.06 | |
| 14 | 141.63 | 141.88 | 142.08 | 142.73 | 142.48 | 147.35 | 145.74 | 142.52 | 142.34 | 142.19 | 142.13 | 142.03 | |
| 15 | 141.71 | 141.91 | 142.01 | 142.58 | 142.90 | 146.44 | 144.66 | 142.48 | 142.33 | 142.15 | 142.11 | 142.00 | |
| 16 | 141.68 | 141.96 | 141.99 | 142.44 | 144.32 | 145.51 | 144.05 | 142.46 | 142.38 | 142.22 | 142.09 | 141.99 | |
| 17 | 141.68 | 142.41 | 141.95 | 142.41 | 144.41 | 145.83 | 143.73 | 142.43 | 142.32 | 142.21 | 142.07 | 142.00 | |
| 18 | 141.69 | 142.37 | 141.93 | 142.35 | 144.19 | 144.89 | 143.48 | 142.54 | 142.25 | 142.39 | 142.13 | 142.00 | |
| 19 | 141.76 | 142.22 | 141.92 | 142.32 | 143.69 | 144.43 | 143.28 | 142.52 | 142.16 | 142.24 | 142.13 | 142.04 | |
| 20 | 141.75 | 142.12 | 141.95 | 142.42 | 143.49 | 144.44 | 143.18 | 142.49 | 142.17 | 142.08 | 142.13 | 142.12 | |
| 21 | 141.74 | 142.06 | 142.23 | 142.40 | 144.18 | 146.05 | 143.10 | 142.44 | 142.15 | 142.05 | 142.14 | 142.14 | |
| 22 | 141.73 | 142.05 | 143.73 | 142.45 | 143.75 | 146.87 | 143.03 | 142.55 | 142.07 | 142.19 | 142.14 | 142.17 | |
| 23 | 141.72 | 142.63 | 144.40 | 142.99 | 143.50 | 147.98 | 142.96 | 142.65 | 142.19 | 142.17 | 142.12 | 142.16 | |
| 24 | 141.87 | 144.20 | 144.49 | 142.99 | 143.30 | 148.63 | 142.89 | 142.59 | 142.19 | 142.14 | 142.09 | 142.12 | |
| 25 | 141.84 | 147.14 | 144.09 | 142.53 | 143.19 | 148.74 | 142.88 | 142.47 | 142.20 | 142.11 | 142.08 | 142.10 | |
| 26 | 141.77 | 147.77 | 143.91 | 142.33 | 143.67 | 148.62 | 142.86 | 142.42 | 142.16 | 142.12 | 142.07 | 142.08 | |
| 27 | 141.76 | 148.00 | 143.40 | 142.29 | 142.94 | 148.18 | 142.80 | 142.40 | 142.12 | 142.11 | 142.04 | 142.05 | |
| 28 | 141.76 | 146.98 | 143.56 | 142.59 | 142.79 | 147.51 | 142.75 | 142.44 | 142.17 | 142.16 | 142.06 | 142.04 | |
| 29 | 141.77 | 144.90 | 143.10 | 142.87 | 143.24 | 146.77 | 142.71 | 142.48 | 142.19 | 142.13 | | 142.02 | |
| 30 | 142.09 | 145.09 | 142.84 | 142.89 | 144.43 | 146.81 | 142.79 | 142.56 | 142.15 | 142.11 | | 142.00 | |
| 31 | | 144.51 | | 142.74 | 146.69 | | 142.77 | | 142.25 | 142.09 | | 142.00 | |
| Mean | 141.77 | 143.15 | 142.99 | 142.56 | 143.86 | 146.63 | 144.71 | 142.59 | 142.29 | 142.20 | 142.11 | 142.08 | |
| Max | 142.09 | 148.00 | 144.49 | 142.99 | 146.69 | 148.74 | 147.85 | 142.82 | 142.56 | 142.39 | 142.27 | 142.19 | 148.74 |
| Min | 141.60 | 141.84 | 141.92 | 142.24 | 142.48 | 144.37 | 142.71 | 142.40 | 142.07 | 142.05 | 142.00 | 141.99 | 141.60 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 148.75 | m. (MSL.) , | at 06.00 Hours , on Sep 25, 2006 | | |
| Zero Gage at Bottom Elevation | 141.29 | m. (MSL.) , | River Bed | 141.15 | m. (MSL.) |
| Left Bank Elevation | 148.95 | m. (MSL.) , | | | |
| Right Bank Elevation | 149.26 | m. (MSL.) , | Drainage Are | 9,930 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.00 | 49.50 | 143.70 | 42.50 | 45.50 | 389.70 | 358.40 | 52.00 | 42.00 | 28.60 | 20.60 | 19.80 | | |
| 2 | 11.90 | 65.10 | 136.00 | 34.00 | 184.80 | 499.35 | 270.15 | 51.50 | 37.50 | 28.60 | 21.80 | 19.40 | | |
| 3 | 14.90 | 37.00 | 124.80 | 30.85 | 285.40 | 654.30 | 286.30 | 52.00 | 35.50 | 29.05 | 21.40 | 19.00 | | |
| 4 | 15.80 | 23.80 | 106.60 | 28.15 | 243.80 | 682.70 | 358.40 | 48.00 | 35.50 | 31.30 | 21.40 | 19.80 | | |
| 5 | 11.30 | 18.20 | 85.20 | 26.80 | 230.20 | 458.75 | 479.75 | 55.00 | 35.50 | 32.20 | 21.80 | 23.40 | | |
| 6 | 10.40 | 15.80 | 77.40 | 27.70 | 204.00 | 320.00 | 538.25 | 54.00 | 34.50 | 29.05 | 21.80 | 24.60 | | |
| 7 | 13.40 | 12.50 | 66.75 | 38.50 | 167.50 | 246.35 | 439.15 | 52.50 | 34.00 | 30.85 | 21.40 | 23.40 | | |
| 8 | 13.40 | 12.20 | 57.50 | 58.50 | 144.40 | 212.80 | 380.90 | 50.00 | 32.65 | 28.15 | 22.20 | 23.00 | | |
| 9 | 7.40 | 12.20 | 44.00 | 59.00 | 85.80 | 208.80 | 321.00 | 46.50 | 33.10 | 25.45 | 28.15 | 23.00 | | |
| 10 | 6.20 | 15.20 | 39.00 | 52.00 | 62.00 | 154.90 | 311.00 | 47.50 | 31.75 | 24.60 | 22.60 | 23.00 | | |
| 11 | 5.00 | 15.80 | 32.20 | 49.00 | 57.50 | 166.00 | 297.00 | 44.00 | 31.30 | 24.60 | 21.40 | 24.20 | | |
| 12 | 5.60 | 14.90 | 23.80 | 47.50 | 50.00 | 373.20 | 325.00 | 43.50 | 31.75 | 24.20 | 17.00 | 21.80 | | |
| 13 | 5.30 | 12.80 | 19.00 | 47.00 | 40.00 | 467.50 | 336.35 | 42.00 | 32.20 | 24.60 | 22.60 | 19.40 | | |
| 14 | 5.90 | 13.40 | 20.20 | 50.50 | 38.00 | 442.25 | 265.90 | 40.00 | 31.30 | 24.60 | 22.20 | 18.20 | | |
| 15 | 8.30 | 14.30 | 17.40 | 43.00 | 59.00 | 333.20 | 176.80 | 38.00 | 30.85 | 23.00 | 21.40 | 17.00 | | |
| 16 | 7.40 | 15.80 | 16.70 | 36.00 | 151.40 | 246.35 | 132.50 | 37.00 | 33.10 | 25.90 | 20.60 | 16.70 | | |
| 17 | 7.40 | 34.50 | 15.50 | 34.50 | 157.75 | 273.70 | 110.10 | 35.50 | 30.40 | 25.45 | 19.80 | 17.00 | | |
| 18 | 7.70 | 32.65 | 14.90 | 31.75 | 142.30 | 195.20 | 92.60 | 41.00 | 27.25 | 33.55 | 22.20 | 17.00 | | |
| 19 | 9.80 | 25.90 | 14.60 | 30.40 | 107.30 | 159.25 | 79.80 | 40.00 | 23.40 | 26.80 | 22.20 | 18.60 | | |
| 20 | 9.50 | 21.80 | 15.50 | 35.00 | 93.30 | 160.00 | 73.90 | 38.50 | 23.80 | 20.20 | 22.20 | 21.80 | | |
| 21 | 9.20 | 19.40 | 26.35 | 34.00 | 141.60 | 294.00 | 69.50 | 36.00 | 23.00 | 19.00 | 22.60 | 22.60 | | |
| 22 | 8.90 | 19.00 | 110.10 | 36.50 | 111.50 | 378.70 | 65.65 | 41.50 | 19.80 | 24.60 | 22.60 | 23.80 | | |
| 23 | 8.60 | 45.50 | 157.00 | 63.50 | 94.00 | 570.10 | 62.00 | 46.50 | 24.60 | 23.80 | 21.80 | 23.40 | | |
| 24 | 13.10 | 143.00 | 163.75 | 63.50 | 81.00 | 815.00 | 58.50 | 43.50 | 24.60 | 22.60 | 20.60 | 21.80 | | |
| 25 | 12.20 | 411.20 | 135.30 | 40.50 | 74.45 | 870.00 | 58.00 | 37.50 | 25.00 | 21.40 | 20.20 | 21.00 | | |
| 26 | 10.10 | 519.85 | 122.70 | 30.85 | 105.90 | 810.00 | 57.00 | 35.00 | 23.40 | 21.80 | 19.80 | 20.20 | | |
| 27 | 9.80 | 575.00 | 87.00 | 29.05 | 61.00 | 627.20 | 54.00 | 34.00 | 21.80 | 21.40 | 18.60 | 19.00 | | |
| 28 | 9.80 | 390.80 | 98.20 | 43.50 | 53.50 | 469.25 | 51.50 | 36.00 | 23.80 | 23.40 | 19.40 | 18.60 | | |
| 29 | 10.10 | 196.00 | 69.50 | 57.50 | 77.40 | 367.85 | 49.50 | 38.00 | 24.60 | 22.20 | | 17.80 | | |
| 30 | 20.60 | 211.20 | 56.00 | 58.50 | 159.25 | 372.10 | 53.50 | 42.00 | 23.00 | 21.40 | | 17.00 | | |
| 31 | | 165.25 | | 51.00 | 359.45 | | 52.50 | | 27.25 | 20.60 | | 17.00 | | |
| Total | 300.00 | 3159.55 | 2096.65 | 1311.05 | 3869.00 | 12218.50 | 6264.90 | 1298.50 | 908.20 | 782.95 | 600.35 | 632.30 | 33441.95 | CMSDAY |
| Mean | 10.00 | 101.92 | 69.89 | 42.29 | 124.81 | 407.28 | 202.09 | 43.28 | 29.30 | 25.26 | 21.44 | 20.40 | 91.62 | CMS |
| Max | 20.60 | 575.00 | 163.75 | 63.50 | 359.45 | 870.00 | 538.25 | 55.00 | 42.00 | 33.55 | 28.15 | 24.60 | 870.00 | CMS |
| Min | 5.00 | 12.20 | 14.60 | 26.80 | 38.00 | 154.90 | 49.50 | 34.00 | 19.80 | 19.00 | 17.00 | 16.70 | 5.00 | CMS |
| Runoff | 25.92 | 272.99 | 181.15 | 113.27 | 334.28 | 1055.68 | 541.29 | 112.19 | 78.47 | 67.65 | 51.87 | 54.63 | 2889.38 | MCM |

Momentary Peak 875.00 CMS. at 148.75 m. (MSL.) at 06.00 Hours , on Sep 25, 2006

Runoff Yield 9.22 Liters/Second/Square KM. Momentary Peak Yield 88.12 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Nam Khong , Phrae (Y.1C)

Lat 18 - 07 - 57 N Long 100 - 07 - 42 E

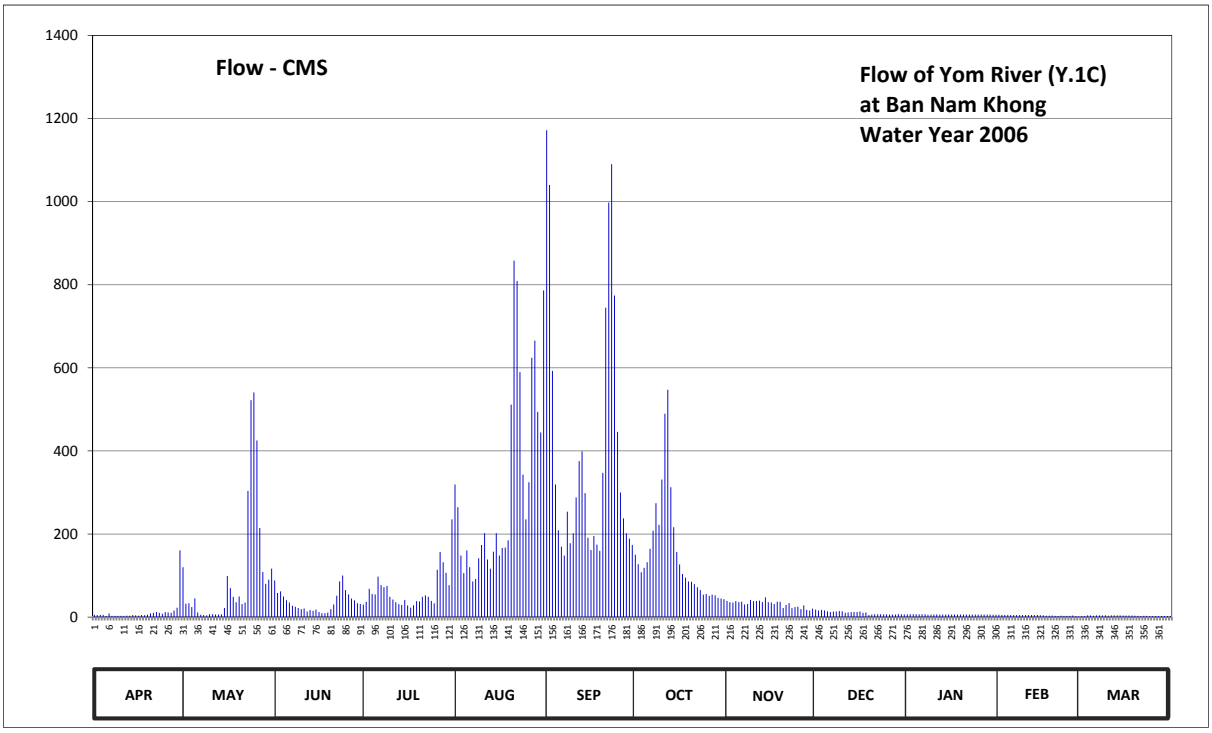
**Location : on right bank about 5 meters downstream from Phathana Phak Nua 8 Bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Nam Khong | **Amphoe** Mueang | **Changwat** Phrae |
| **Drainge Area** | 7,749 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +143.500 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | In front of the station office | | **Elevation** +153.972 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1979 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1979 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1979 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Mae yom weir situated about 76 kilometers above gage site. Stage-discharge relation defined by 81 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 144.12 | 145.48 | 145.11 | 144.32 | 147.31 | 152.42 | 145.80 | 144.46 | 144.12 | 144.21 | 144.16 | 144.03 | |
| 2 | 144.11 | 144.36 | 144.73 | 144.43 | 146.88 | 151.72 | 145.56 | 144.41 | 144.08 | 144.23 | 144.13 | 144.13 | |
| 3 | 144.13 | 144.37 | 144.78 | 144.87 | 145.78 | 149.15 | 145.35 | 144.40 | 144.11 | 144.22 | 144.12 | 144.47 | |
| 4 | 144.12 | 144.23 | 144.61 | 144.69 | 145.32 | 147.31 | 145.46 | 144.45 | 144.09 | 144.22 | 144.12 | 144.45 | |
| 5 | 143.95 | 144.55 | 144.52 | 144.68 | 145.91 | 146.38 | 145.61 | 144.42 | 144.05 | 144.20 | 144.09 | 144.28 | |
| 6 | 143.95 | 144.00 | 144.40 | 145.22 | 145.48 | 146.00 | 145.95 | 144.43 | 144.02 | 144.22 | 144.09 | 144.44 | |
| 7 | 143.77 | 143.87 | 144.32 | 144.97 | 145.08 | 145.78 | 146.36 | 144.33 | 144.04 | 144.22 | 144.09 | 144.44 | |
| 8 | 143.77 | 143.83 | 144.24 | 144.91 | 145.15 | 146.79 | 146.96 | 144.35 | 144.04 | 144.16 | 144.10 | 144.46 | |
| 9 | 143.77 | 143.81 | 144.19 | 144.95 | 145.71 | 146.08 | 146.50 | 144.49 | 144.06 | 144.18 | 144.10 | 144.43 | |
| 10 | 143.77 | 143.90 | 144.16 | 144.60 | 146.04 | 146.31 | 147.40 | 144.45 | 144.05 | 144.17 | 144.09 | 144.43 | |
| 11 | 143.77 | 143.90 | 144.17 | 144.51 | 146.31 | 147.07 | 148.50 | 144.46 | 143.98 | 144.20 | 144.09 | 144.44 | |
| 12 | 143.79 | 143.88 | 144.09 | 144.41 | 145.68 | 147.73 | 148.87 | 144.47 | 144.00 | 144.18 | 144.10 | 144.43 | |
| 13 | 143.79 | 143.88 | 144.10 | 144.35 | 145.44 | 147.90 | 147.26 | 144.42 | 144.01 | 144.18 | 144.11 | 144.43 | |
| 14 | 143.84 | 143.90 | 144.07 | 144.35 | 145.88 | 147.15 | 146.45 | 144.58 | 144.02 | 144.18 | 144.09 | 144.43 | |
| 15 | 143.81 | 144.19 | 144.12 | 144.49 | 146.31 | 146.21 | 145.87 | 144.41 | 144.02 | 144.18 | 144.07 | 144.40 | |
| 16 | 143.79 | 145.24 | 144.05 | 144.32 | 145.78 | 145.92 | 145.55 | 144.40 | 144.04 | 144.18 | 144.04 | 144.38 | |
| 17 | 143.84 | 144.88 | 143.96 | 144.23 | 145.97 | 146.25 | 145.29 | 144.35 | 143.98 | 144.18 | 144.00 | 144.38 | |
| 18 | 143.82 | 144.60 | 143.96 | 144.37 | 145.98 | 146.05 | 145.20 | 144.43 | 144.00 | 144.18 | 144.00 | 144.34 | |
| 19 | 143.86 | 144.41 | 144.01 | 144.45 | 146.15 | 145.90 | 145.08 | 144.43 | 144.10 | 144.18 | 144.03 | 144.26 | |
| 20 | 143.93 | 144.61 | 144.14 | 144.44 | 148.64 | 147.52 | 145.07 | 144.19 | 144.17 | 144.18 | 143.96 | 144.21 | |
| 21 | 143.98 | 144.35 | 144.33 | 144.60 | 150.72 | 150.07 | 145.00 | 144.31 | 144.22 | 144.18 | 143.92 | 144.19 | |
| 22 | 144.02 | 144.40 | 144.64 | 144.65 | 150.44 | 151.49 | 144.92 | 144.38 | 144.22 | 144.18 | 143.99 | 144.20 | |
| 23 | 143.98 | 147.19 | 145.08 | 144.60 | 149.13 | 151.99 | 144.78 | 144.18 | 144.22 | 144.18 | 143.97 | 144.19 | |
| 24 | 143.93 | 148.71 | 145.25 | 144.46 | 147.49 | 150.24 | 144.67 | 144.23 | 144.20 | 144.18 | 143.96 | 144.19 | |
| 25 | 144.01 | 148.83 | 144.82 | 144.40 | 146.62 | 148.22 | 144.69 | 144.24 | 144.20 | 144.18 | 143.98 | 144.20 | |
| 26 | 144.00 | 148.08 | 144.68 | 145.41 | 147.35 | 147.16 | 144.63 | 144.14 | 144.19 | 144.18 | 144.02 | 144.17 | |
| 27 | 143.98 | 146.43 | 144.54 | 145.87 | 149.34 | 146.64 | 144.67 | 144.29 | 144.18 | 144.18 | 143.91 | 144.17 | |
| 28 | 144.08 | 145.35 | 144.48 | 145.61 | 149.59 | 146.31 | 144.66 | 144.11 | 144.19 | 144.18 | 143.95 | 144.13 | |
| 29 | 144.20 | 145.01 | 144.38 | 145.33 | 148.53 | 146.19 | 144.56 | 144.08 | 144.25 | 144.17 | | 144.12 | |
| 30 | 145.91 | 145.13 | 144.35 | 144.97 | 148.21 | 146.04 | 144.54 | 144.16 | 144.20 | 144.16 | | 144.12 | |
| 31 | | 145.44 | | 146.62 | 150.31 | | 144.52 | | 144.21 | 144.16 | | 144.12 | |
| Mean | 143.99 | 144.99 | 144.41 | 144.78 | 147.05 | 147.67 | 145.67 | 144.35 | 144.11 | 144.19 | 144.05 | 144.29 | |
| Max | 145.91 | 148.83 | 145.25 | 146.62 | 150.72 | 152.42 | 148.87 | 144.58 | 144.25 | 144.23 | 144.16 | 144.47 | 152.42 |
| Min | 143.77 | 143.81 | 143.96 | 144.23 | 145.08 | 145.78 | 144.52 | 144.08 | 143.98 | 144.16 | 143.91 | 144.03 | 143.77 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 152.61 | m. (MSL.) , | at 17.00 Hours , on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 143.50 | m. (MSL.) , | River Bed | 140.45 | m. (MSL.) |
| Left Bank Elevation | 153.84 | m. (MSL.) , | | | |
| Right Bank Elevation | 153.84 | m. (MSL.) , | Drainage Are | 7,749 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.20 | 120.30 | 88.20 | 29.90 | 319.30 | 1171.90 | 150.00 | 39.00 | 17.90 | 6.70 | 5.90 | 2.20 | | |
| 2 | 5.10 | 32.40 | 58.30 | 36.90 | 264.60 | 1040.20 | 127.60 | 35.60 | 15.70 | 7.00 | 5.40 | 2.20 | | |
| 3 | 5.40 | 33.00 | 62.00 | 68.10 | 148.10 | 592.70 | 107.70 | 34.90 | 17.40 | 6.80 | 5.20 | 4.40 | | |
| 4 | 5.20 | 24.30 | 49.50 | 55.40 | 106.00 | 319.30 | 118.50 | 38.30 | 16.20 | 6.80 | 5.20 | 4.30 | | |
| 5 | 2.80 | 45.20 | 40.30 | 54.60 | 160.50 | 208.90 | 132.10 | 36.30 | 14.00 | 6.50 | 4.80 | 3.40 | | |
| 6 | 9.00 | 11.20 | 34.90 | 97.40 | 120.30 | 169.50 | 164.50 | 36.90 | 12.30 | 6.80 | 4.80 | 4.20 | | |
| 7 | 3.00 | 5.90 | 27.40 | 76.80 | 85.80 | 148.10 | 207.90 | 30.50 | 13.40 | 6.80 | 4.80 | 4.20 | | |
| 8 | 3.00 | 4.80 | 24.90 | 71.90 | 91.60 | 253.90 | 274.20 | 31.70 | 13.40 | 5.90 | 4.90 | 4.30 | | |
| 9 | 3.00 | 4.20 | 21.90 | 75.20 | 141.50 | 177.70 | 222.00 | 41.00 | 14.60 | 6.20 | 4.90 | 4.20 | | |
| 10 | 3.00 | 6.80 | 19.10 | 48.80 | 173.60 | 201.60 | 331.00 | 38.30 | 14.00 | 6.10 | 4.80 | 3.30 | | |
| 11 | 3.00 | 6.80 | 20.80 | 42.40 | 201.60 | 288.10 | 489.50 | 39.00 | 10.30 | 6.50 | 4.80 | 4.20 | | |
| 12 | 3.60 | 6.20 | 13.40 | 35.60 | 138.60 | 375.50 | 547.20 | 39.70 | 11.20 | 6.20 | 4.90 | 4.20 | | |
| 13 | 3.60 | 6.20 | 16.80 | 31.10 | 116.60 | 399.00 | 312.80 | 36.30 | 11.80 | 6.20 | 5.10 | 4.20 | | |
| 14 | 5.10 | 6.80 | 15.10 | 29.20 | 157.60 | 298.50 | 216.50 | 47.40 | 12.30 | 6.20 | 4.80 | 4.20 | | |
| 15 | 4.20 | 21.90 | 17.90 | 41.00 | 201.60 | 191.10 | 156.60 | 35.60 | 12.30 | 6.20 | 4.50 | 4.00 | | |
| 16 | 3.60 | 99.10 | 12.30 | 28.00 | 148.10 | 161.50 | 126.70 | 34.90 | 13.40 | 6.20 | 4.10 | 3.90 | | |
| 17 | 5.10 | 69.60 | 9.40 | 22.50 | 166.50 | 195.30 | 103.40 | 31.70 | 10.30 | 6.20 | 3.50 | 3.90 | | |
| 18 | 4.50 | 48.80 | 9.40 | 28.60 | 167.50 | 174.60 | 94.90 | 36.90 | 11.20 | 6.20 | 3.50 | 3.70 | | |
| 19 | 5.60 | 35.60 | 10.80 | 38.30 | 184.90 | 159.50 | 85.80 | 36.90 | 4.90 | 6.20 | 3.90 | 3.30 | | |
| 20 | 9.00 | 49.50 | 19.10 | 37.60 | 511.20 | 347.20 | 84.90 | 21.90 | 6.00 | 6.20 | 3.00 | 3.00 | | |
| 21 | 10.30 | 31.70 | 30.50 | 48.80 | 858.00 | 744.90 | 79.20 | 29.20 | 6.80 | 6.20 | 2.50 | 2.30 | | |
| 22 | 12.30 | 34.90 | 51.70 | 52.50 | 809.00 | 997.70 | 71.90 | 33.60 | 6.80 | 6.20 | 3.40 | 3.00 | | |
| 23 | 10.30 | 303.70 | 85.80 | 48.80 | 589.50 | 1090.20 | 65.00 | 21.40 | 6.80 | 6.20 | 3.10 | 3.00 | | |
| 24 | 8.10 | 522.00 | 100.00 | 39.00 | 343.10 | 774.00 | 53.90 | 24.30 | 6.50 | 6.20 | 3.00 | 2.30 | | |
| 25 | 11.80 | 540.80 | 65.00 | 33.00 | 235.20 | 446.10 | 55.40 | 24.90 | 6.50 | 6.20 | 3.20 | 2.30 | | |
| 26 | 11.20 | 425.00 | 54.60 | 113.90 | 324.50 | 299.80 | 51.00 | 19.10 | 6.30 | 6.20 | 3.80 | 2.80 | | |
| 27 | 10.30 | 214.30 | 44.50 | 156.60 | 624.10 | 237.40 | 53.90 | 28.00 | 6.20 | 6.20 | 2.30 | 2.20 | | |
| 28 | 15.70 | 108.60 | 40.30 | 132.10 | 665.30 | 201.60 | 52.50 | 17.40 | 6.30 | 6.20 | 1.70 | 2.70 | | |
| 29 | 22.50 | 80.00 | 33.60 | 106.80 | 494.10 | 189.00 | 46.00 | 15.70 | 7.30 | 6.00 | | 2.60 | | |
| 30 | 160.50 | 89.90 | 31.70 | 76.80 | 444.50 | 173.60 | 44.50 | 20.20 | 6.50 | 5.90 | | 2.60 | | |
| 31 | | 116.60 | | 235.20 | 786.20 | | 43.10 | | 6.70 | 5.90 | | 2.60 | | |
| Total | 365.00 | 3106.10 | 1109.20 | 1992.80 | 9779.00 | 12028.40 | 4670.20 | 956.60 | 325.30 | 195.30 | 115.80 | 103.70 | 34747.40 | CMSDAY |
| Mean | 12.17 | 100.20 | 36.97 | 64.28 | 315.45 | 400.95 | 150.65 | 31.89 | 10.49 | 6.30 | 4.14 | 3.35 | 95.20 | CMS |
| Max | 160.50 | 540.80 | 100.00 | 235.20 | 858.00 | 1171.90 | 547.20 | 47.40 | 17.90 | 7.00 | 5.90 | 4.40 | 1171.90 | CMS |
| Min | 2.80 | 4.20 | 9.40 | 22.50 | 85.80 | 148.10 | 43.10 | 15.70 | 4.90 | 5.90 | 1.70 | 2.20 | 1.70 | CMS |
| Runoff | 31.54 | 268.37 | 95.83 | 172.18 | 844.91 | 1039.25 | 403.51 | 82.65 | 28.11 | 16.87 | 10.01 | 8.96 | 3002.18 | MCM |

Momentary Peak 1208.95 CMS. at 152.61 m. (MSL.) at 17.00 Hours , on Sep 1, 2006

Runoff Yield 12.29 Liters/Second/Square KM. Momentary Peak Yield 156.01 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Wang Mai Khon , Sukhothai (Y.3A)

Lat 17 - 18 - 28 N Long 99 - 49 - 44 E

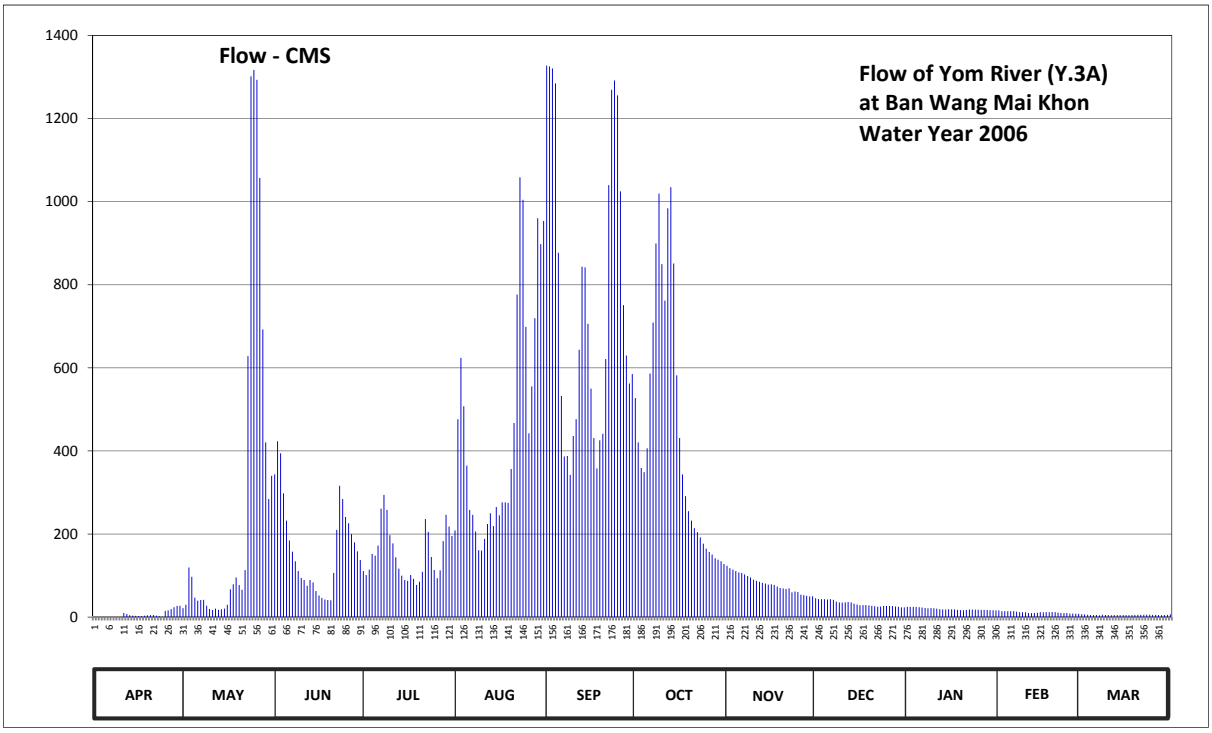
**Location : on right bank about 100 meters downstream from the bridge on highway.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Wang Mai Khon | **Amphoe** Sawankhalok | | **Changwat** Sukhothai | |
| **Drainge Area** | 13,331 sq.km. | | | | |
| **Type of Gage** | Staff gage. | | | | |
| **Zero Gage at Bottom** | +51.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | In front of automatic gage building. | | | **Elevation** | +65.350 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | | | |
| **Period of Available Gage Records** | 1967 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1967 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1967 to date | | | | |
| **Stability of Channel Regimes** | Stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 26 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.58 | 51.19 | 55.25 | 52.70 | 53.92 | 61.76 | 56.70 | 52.88 | 51.67 | 51.25 | 51.05 | 50.82 | |
| 2 | 50.57 | 51.35 | 55.90 | 52.56 | 56.31 | 61.75 | 55.88 | 52.80 | 51.63 | 51.25 | 51.01 | 50.81 | |
| 3 | 50.57 | 52.82 | 55.68 | 52.75 | 57.40 | 61.72 | 55.39 | 52.75 | 51.62 | 51.25 | 51.01 | 50.79 | |
| 4 | 50.58 | 52.50 | 54.82 | 53.25 | 56.55 | 61.51 | 55.30 | 52.70 | 51.62 | 51.25 | 51.01 | 50.77 | |
| 5 | 50.58 | 51.70 | 54.16 | 53.20 | 55.44 | 59.08 | 55.77 | 52.65 | 51.61 | 51.24 | 51.01 | 50.77 | |
| 6 | 50.58 | 51.55 | 53.65 | 53.50 | 54.42 | 56.74 | 57.13 | 52.63 | 51.62 | 51.22 | 51.01 | 50.76 | |
| 7 | 50.57 | 51.58 | 53.32 | 54.45 | 54.30 | 55.62 | 57.98 | 52.58 | 51.59 | 51.20 | 50.98 | 50.74 | |
| 8 | 50.56 | 51.59 | 53.03 | 54.78 | 53.89 | 55.63 | 59.22 | 52.53 | 51.51 | 51.18 | 50.95 | 50.79 | |
| 9 | 50.55 | 51.31 | 52.70 | 54.42 | 53.36 | 55.24 | 59.95 | 52.48 | 51.47 | 51.19 | 50.94 | 50.77 | |
| 10 | 50.57 | 51.14 | 52.46 | 53.79 | 53.35 | 56.00 | 58.91 | 52.40 | 51.46 | 51.18 | 50.94 | 50.76 | |
| 11 | 50.90 | 51.08 | 52.39 | 53.57 | 53.69 | 56.31 | 58.33 | 52.36 | 51.47 | 51.16 | 50.90 | 50.75 | |
| 12 | 50.84 | 51.16 | 52.19 | 53.15 | 54.08 | 57.54 | 59.74 | 52.33 | 51.48 | 51.12 | 50.89 | 50.76 | |
| 13 | 50.75 | 51.08 | 52.39 | 52.78 | 54.34 | 58.87 | 60.04 | 52.29 | 51.47 | 51.11 | 50.90 | 50.76 | |
| 14 | 50.71 | 51.12 | 52.31 | 52.54 | 54.03 | 58.86 | 58.92 | 52.27 | 51.41 | 51.11 | 50.91 | 50.77 | |
| 15 | 50.70 | 51.16 | 51.98 | 52.39 | 54.49 | 57.96 | 57.10 | 52.23 | 51.37 | 51.12 | 50.95 | 50.77 | |
| 16 | 50.69 | 51.35 | 51.80 | 52.36 | 54.29 | 56.87 | 55.96 | 52.24 | 51.33 | 51.12 | 50.94 | 50.76 | |
| 17 | 50.68 | 52.05 | 51.68 | 52.56 | 54.60 | 55.96 | 55.25 | 52.22 | 51.34 | 51.11 | 50.95 | 50.75 | |
| 18 | 50.71 | 52.24 | 51.61 | 52.43 | 54.60 | 55.38 | 54.75 | 52.16 | 51.34 | 51.08 | 50.95 | 50.76 | |
| 19 | 50.74 | 52.48 | 51.58 | 52.22 | 54.59 | 55.92 | 54.39 | 52.10 | 51.32 | 51.07 | 50.96 | 50.78 | |
| 20 | 50.75 | 52.22 | 51.57 | 52.33 | 55.37 | 56.04 | 54.16 | 52.08 | 51.30 | 51.06 | 50.95 | 50.79 | |
| 21 | 50.76 | 52.03 | 52.63 | 52.67 | 56.24 | 57.38 | 53.98 | 52.06 | 51.28 | 51.08 | 50.92 | 50.78 | |
| 22 | 50.71 | 52.73 | 53.93 | 54.20 | 58.43 | 60.07 | 53.87 | 52.09 | 51.26 | 51.11 | 50.90 | 50.79 | |
| 23 | 50.68 | 57.43 | 55.00 | 53.88 | 60.18 | 61.42 | 53.73 | 51.93 | 51.27 | 51.10 | 50.89 | 50.79 | |
| 24 | 50.62 | 61.61 | 54.68 | 53.16 | 59.86 | 61.55 | 53.56 | 51.96 | 51.30 | 51.10 | 50.90 | 50.79 | |
| 25 | 51.02 | 61.70 | 54.25 | 52.73 | 57.91 | 61.34 | 53.41 | 51.94 | 51.30 | 51.09 | 50.86 | 50.78 | |
| 26 | 51.05 | 61.56 | 54.10 | 52.45 | 56.05 | 59.98 | 53.31 | 51.83 | 51.30 | 51.08 | 50.86 | 50.78 | |
| 27 | 51.13 | 60.17 | 53.82 | 52.72 | 56.91 | 58.26 | 53.23 | 51.81 | 51.29 | 51.08 | 50.85 | 50.76 | |
| 28 | 51.24 | 57.87 | 53.60 | 53.63 | 58.05 | 57.44 | 53.12 | 51.78 | 51.27 | 51.08 | 50.85 | 50.75 | |
| 29 | 51.30 | 55.88 | 53.33 | 54.30 | 59.60 | 56.96 | 53.08 | 51.75 | 51.26 | 51.06 | | 50.76 | |
| 30 | 51.31 | 54.68 | 53.07 | 54.02 | 59.21 | 57.12 | 53.03 | 51.76 | 51.23 | 51.06 | | 50.78 | |
| 31 | | 55.22 | | 53.77 | 59.56 | | 52.94 | | 51.23 | 51.05 | | 50.81 | |
| Mean | 50.77 | 53.66 | 53.30 | 53.20 | 55.97 | 58.21 | 55.75 | 52.25 | 51.41 | 51.13 | 50.94 | 50.77 | |
| Max | 51.31 | 61.70 | 55.90 | 54.78 | 60.18 | 61.76 | 60.04 | 52.88 | 51.67 | 51.25 | 51.05 | 50.82 | 61.76 |
| Min | 50.55 | 51.08 | 51.57 | 52.22 | 53.35 | 55.24 | 52.94 | 51.75 | 51.23 | 51.05 | 50.85 | 50.74 | 50.55 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 61.82 | m. (MSL.) , | at 08.00 Hours , on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 51.00 | m. (MSL.) , | River Bed | 47.97 | m. (MSL.) |
| Left Bank Elevation | 65.66 | m. (MSL.) , | | | |
| Right Bank Elevation | 65.00 | m. (MSL.) , | Drainage Are | 13,331 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 21.60 | 343.50 | 111.00 | 208.80 | 1327.20 | 527.00 | 123.60 | 45.50 | 24.50 | 16.00 | 6.80 | | |
| 2 | 0.00 | 29.50 | 423.00 | 101.20 | 476.30 | 1325.50 | 420.40 | 118.00 | 43.50 | 24.50 | 14.40 | 6.40 | | |
| 3 | 0.00 | 119.40 | 394.40 | 114.50 | 624.00 | 1320.40 | 358.90 | 114.50 | 43.00 | 24.50 | 14.40 | 5.70 | | |
| 4 | 0.00 | 97.00 | 298.00 | 152.00 | 507.50 | 1284.70 | 349.00 | 111.00 | 43.00 | 24.50 | 14.40 | 5.10 | | |
| 5 | 0.00 | 47.00 | 232.00 | 148.00 | 364.80 | 876.80 | 406.10 | 107.50 | 42.50 | 24.00 | 14.40 | 5.10 | | |
| 6 | 0.00 | 39.50 | 184.50 | 172.00 | 258.00 | 532.20 | 586.20 | 106.10 | 43.00 | 23.00 | 14.40 | 4.80 | | |
| 7 | 0.00 | 41.00 | 157.60 | 261.00 | 246.00 | 386.60 | 709.00 | 102.60 | 41.50 | 22.00 | 13.20 | 4.20 | | |
| 8 | 0.00 | 41.50 | 134.40 | 294.00 | 206.10 | 387.90 | 899.20 | 99.10 | 37.50 | 21.20 | 12.00 | 5.70 | | |
| 9 | 0.00 | 27.50 | 111.00 | 258.00 | 160.80 | 342.40 | 1019.50 | 95.60 | 35.50 | 21.60 | 11.60 | 5.10 | | |
| 10 | 0.00 | 19.60 | 94.20 | 197.10 | 160.00 | 436.00 | 849.60 | 90.00 | 35.00 | 21.20 | 11.60 | 4.80 | | |
| 11 | 10.00 | 17.20 | 89.30 | 177.60 | 188.10 | 476.30 | 761.50 | 87.20 | 35.50 | 20.40 | 10.00 | 4.50 | | |
| 12 | 7.60 | 20.40 | 75.40 | 144.00 | 224.00 | 643.60 | 983.80 | 85.10 | 36.00 | 18.80 | 9.60 | 4.80 | | |
| 13 | 4.50 | 17.20 | 89.30 | 116.60 | 250.00 | 843.20 | 1034.80 | 82.30 | 35.50 | 18.40 | 10.00 | 4.80 | | |
| 14 | 3.30 | 18.80 | 83.70 | 99.80 | 219.00 | 841.60 | 851.20 | 80.90 | 32.50 | 18.40 | 10.40 | 5.10 | | |
| 15 | 3.00 | 20.40 | 62.80 | 89.30 | 265.00 | 706.00 | 582.00 | 78.10 | 30.50 | 18.80 | 12.00 | 5.10 | | |
| 16 | 2.70 | 29.50 | 52.00 | 87.20 | 245.00 | 549.80 | 430.80 | 78.80 | 28.50 | 18.80 | 11.60 | 4.80 | | |
| 17 | 2.40 | 67.00 | 46.00 | 101.20 | 276.00 | 430.80 | 343.50 | 77.40 | 29.00 | 18.40 | 12.00 | 4.50 | | |
| 18 | 3.30 | 78.80 | 42.50 | 92.10 | 276.00 | 357.80 | 291.00 | 73.60 | 29.00 | 17.20 | 12.00 | 4.80 | | |
| 19 | 4.20 | 95.60 | 41.00 | 77.40 | 275.00 | 425.60 | 255.00 | 70.00 | 28.00 | 16.80 | 12.40 | 5.40 | | |
| 20 | 4.50 | 77.40 | 40.50 | 85.10 | 356.70 | 441.20 | 232.00 | 68.80 | 27.00 | 16.40 | 12.00 | 5.70 | | |
| 21 | 4.80 | 65.80 | 106.10 | 108.90 | 467.20 | 621.20 | 214.20 | 67.60 | 26.00 | 17.20 | 10.80 | 5.40 | | |
| 22 | 3.30 | 113.10 | 209.70 | 236.00 | 776.50 | 1039.90 | 204.30 | 69.40 | 25.00 | 18.40 | 10.00 | 5.70 | | |
| 23 | 2.40 | 628.20 | 316.00 | 205.20 | 1058.60 | 1269.40 | 191.70 | 59.80 | 25.50 | 18.00 | 9.60 | 5.70 | | |
| 24 | 0.60 | 1301.70 | 284.00 | 144.80 | 1004.20 | 1291.50 | 176.80 | 61.60 | 27.00 | 18.00 | 10.00 | 5.70 | | |
| 25 | 14.80 | 1317.00 | 241.00 | 113.10 | 698.50 | 1255.80 | 164.80 | 60.40 | 27.00 | 17.60 | 8.40 | 5.40 | | |
| 26 | 16.00 | 1293.20 | 226.00 | 93.50 | 442.50 | 1024.60 | 156.80 | 53.80 | 27.00 | 17.20 | 8.40 | 5.40 | | |
| 27 | 19.20 | 1056.90 | 199.80 | 112.40 | 555.40 | 751.00 | 150.40 | 52.60 | 26.50 | 17.20 | 8.00 | 4.80 | | |
| 28 | 24.00 | 692.50 | 180.00 | 182.70 | 719.50 | 629.60 | 141.60 | 51.00 | 25.50 | 17.20 | 8.00 | 4.50 | | |
| 29 | 27.00 | 420.40 | 158.40 | 246.00 | 960.00 | 562.40 | 138.40 | 49.50 | 25.00 | 16.40 | | 4.80 | | |
| 30 | 27.50 | 284.00 | 137.60 | 218.00 | 897.60 | 584.80 | 134.40 | 50.00 | 23.50 | 16.40 | | 5.40 | | |
| 31 | | 340.20 | | 195.30 | 953.60 | | 127.80 | | 23.50 | 16.00 | | 6.40 | | |
| Total | 185.10 | 8438.90 | 5053.70 | 4735.00 | 14320.70 | 22965.80 | 13691.70 | 2425.90 | 1003.00 | 603.00 | 321.60 | 162.40 | 73906.80 | CMSDAY |
| Mean | 6.17 | 272.22 | 168.46 | 152.74 | 461.96 | 765.53 | 441.67 | 80.86 | 32.35 | 19.45 | 11.49 | 5.24 | 202.48 | CMS |
| Max | 27.50 | 1317.00 | 423.00 | 294.00 | 1058.60 | 1327.20 | 1034.80 | 123.60 | 45.50 | 24.50 | 16.00 | 6.80 | 1327.20 | CMS |
| Min | 0.00 | 17.20 | 40.50 | 77.40 | 160.00 | 342.40 | 127.80 | 49.50 | 23.50 | 16.00 | 8.00 | 4.20 | 0.00 | CMS |
| Runoff | 15.99 | 729.12 | 436.64 | 409.10 | 1237.31 | 1984.25 | 1182.96 | 209.60 | 86.66 | 52.10 | 27.79 | 14.03 | 6385.55 | MCM |

Momentary Peak 1337.40 CMS. at 61.82 m. (MSL.) at 08.00 Hours , on Sep 1, 2006

Runoff Yield 15.19 Liters/Second/Square KM. Momentary Peak Yield 100.32 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Kaeng Luang , Sukhothai (Y.6)

Lat 17 - 26 - 05 N Long 99 - 47 - 30 E

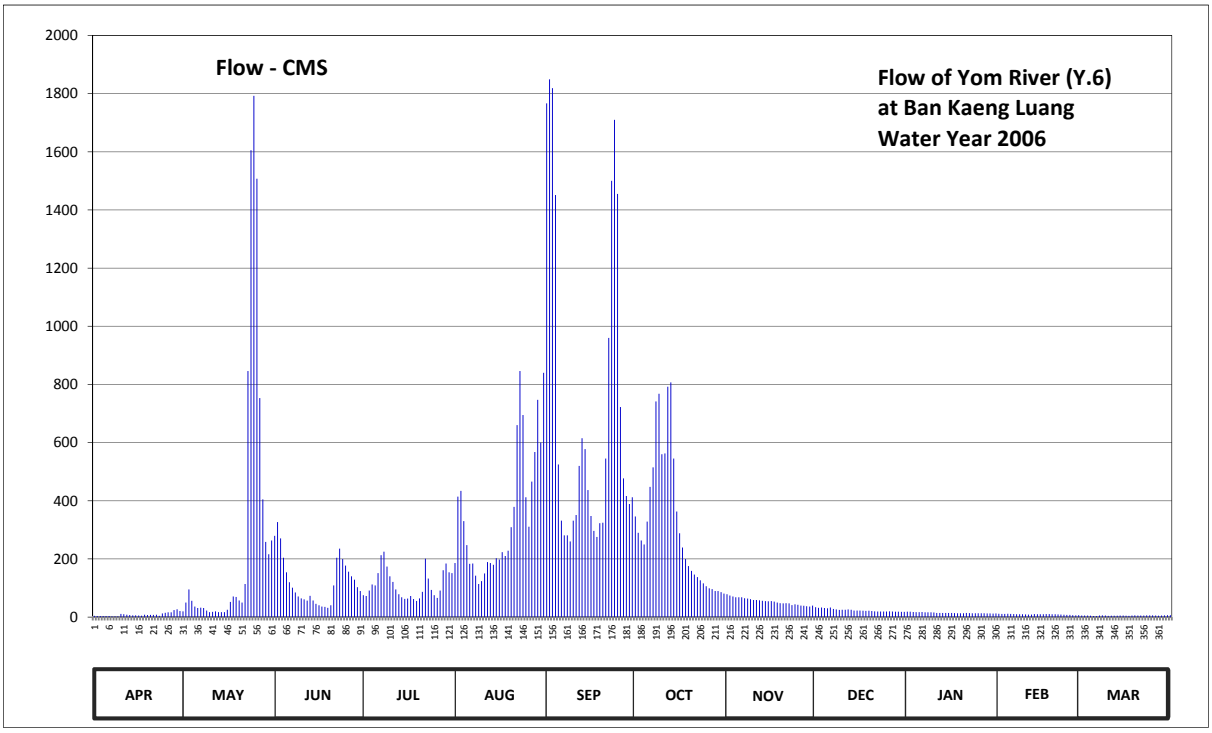
**Location : on left bank about 150 meters upstream from Kaeng Luang.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Kaeng Luang | **Amphoe** Si Satchanalai | | **Changwat** Sukhothai | |
| **Drainge Area** | 12,769 sq.km. | | | | |
| **Type of Gage** | Water - stage recorder. | | | | |
| **Zero Gage at Bottom** | +59.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | Near automatic gage building | | | **Elevation** | +68.928 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 1952 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1952 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1952 to date | | | | |
| **Stability of Channel Regimes** | Stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records very good. Stage-discharge relation defined by 38 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 59.21 | 59.88 | 62.71 | 61.14 | 62.14 | 67.75 | 63.09 | 61.18 | 60.31 | 59.82 | 59.55 | 59.28 | |
| 2 | 59.20 | 60.70 | 62.98 | 61.10 | 63.44 | 67.97 | 62.77 | 61.12 | 60.25 | 59.82 | 59.51 | 59.26 | |
| 3 | 59.18 | 61.40 | 62.66 | 61.35 | 63.53 | 67.89 | 62.62 | 61.08 | 60.28 | 59.78 | 59.51 | 59.26 | |
| 4 | 59.19 | 60.82 | 62.26 | 61.57 | 63.00 | 66.91 | 62.54 | 61.04 | 60.24 | 59.77 | 59.53 | 59.24 | |
| 5 | 59.19 | 60.38 | 61.91 | 61.54 | 62.53 | 63.92 | 62.99 | 61.04 | 60.21 | 59.77 | 59.51 | 59.20 | |
| 6 | 59.18 | 60.23 | 61.64 | 61.89 | 62.12 | 63.01 | 63.59 | 61.04 | 60.29 | 59.79 | 59.49 | 59.19 | |
| 7 | 59.13 | 60.27 | 61.46 | 62.32 | 62.13 | 62.72 | 63.88 | 61.00 | 60.15 | 59.74 | 59.48 | 59.28 | |
| 8 | 59.13 | 60.24 | 61.26 | 62.40 | 61.82 | 62.72 | 64.77 | 60.98 | 60.09 | 59.73 | 59.48 | 59.29 | |
| 9 | 59.13 | 59.98 | 61.08 | 62.06 | 61.59 | 62.60 | 64.86 | 60.93 | 60.05 | 59.73 | 59.47 | 59.26 | |
| 10 | 59.52 | 59.77 | 60.99 | 61.80 | 61.67 | 63.01 | 64.06 | 60.88 | 60.06 | 59.72 | 59.45 | 59.23 | |
| 11 | 59.48 | 59.81 | 60.92 | 61.65 | 61.88 | 63.12 | 64.07 | 60.88 | 60.06 | 59.66 | 59.44 | 59.25 | |
| 12 | 59.41 | 59.86 | 60.83 | 61.40 | 62.16 | 63.90 | 64.94 | 60.85 | 60.09 | 59.66 | 59.44 | 59.25 | |
| 13 | 59.35 | 59.75 | 61.11 | 61.18 | 62.14 | 64.28 | 64.99 | 60.82 | 60.06 | 59.64 | 59.49 | 59.25 | |
| 14 | 59.30 | 59.77 | 60.84 | 61.04 | 62.10 | 64.13 | 64.00 | 60.80 | 59.99 | 59.65 | 59.48 | 59.26 | |
| 15 | 59.29 | 59.76 | 60.61 | 60.95 | 62.25 | 63.54 | 63.19 | 60.79 | 59.98 | 59.64 | 59.47 | 59.26 | |
| 16 | 59.26 | 60.07 | 60.49 | 60.97 | 62.22 | 63.10 | 62.76 | 60.80 | 59.99 | 59.64 | 59.47 | 59.24 | |
| 17 | 59.24 | 60.74 | 60.38 | 61.10 | 62.39 | 62.81 | 62.48 | 60.77 | 59.95 | 59.63 | 59.49 | 59.22 | |
| 18 | 59.40 | 61.08 | 60.35 | 60.94 | 62.30 | 62.69 | 62.23 | 60.70 | 59.93 | 59.61 | 59.49 | 59.28 | |
| 19 | 59.36 | 61.06 | 60.25 | 60.81 | 62.42 | 62.96 | 62.07 | 60.66 | 59.96 | 59.61 | 59.48 | 59.31 | |
| 20 | 59.37 | 60.84 | 60.49 | 60.99 | 62.88 | 62.97 | 61.95 | 60.65 | 59.91 | 59.60 | 59.47 | 59.26 | |
| 21 | 59.37 | 60.70 | 61.54 | 61.29 | 63.27 | 64.00 | 61.85 | 60.66 | 59.87 | 59.64 | 59.45 | 59.28 | |
| 22 | 59.41 | 61.59 | 62.26 | 62.24 | 64.46 | 65.50 | 61.78 | 60.64 | 59.85 | 59.63 | 59.43 | 59.27 | |
| 23 | 59.21 | 65.12 | 62.46 | 61.74 | 65.12 | 67.04 | 61.69 | 60.50 | 59.84 | 59.61 | 59.40 | 59.30 | |
| 24 | 59.58 | 67.32 | 62.23 | 61.38 | 64.60 | 67.60 | 61.61 | 60.58 | 59.84 | 59.61 | 59.38 | 59.30 | |
| 25 | 59.67 | 67.82 | 62.08 | 61.14 | 63.43 | 66.92 | 61.51 | 60.53 | 59.85 | 59.61 | 59.37 | 59.30 | |
| 26 | 59.73 | 67.06 | 61.93 | 61.01 | 62.89 | 64.70 | 61.44 | 60.46 | 59.86 | 59.61 | 59.32 | 59.26 | |
| 27 | 59.74 | 64.81 | 61.80 | 61.35 | 63.67 | 63.72 | 61.41 | 60.45 | 59.84 | 59.60 | 59.31 | 59.25 | |
| 28 | 60.03 | 63.40 | 61.71 | 61.97 | 64.09 | 63.45 | 61.33 | 60.41 | 59.82 | 59.58 | 59.33 | 59.28 | |
| 29 | 60.11 | 62.59 | 61.48 | 62.13 | 64.79 | 63.32 | 61.33 | 60.38 | 59.83 | 59.58 | | 59.30 | |
| 30 | 59.91 | 62.34 | 61.33 | 61.91 | 64.22 | 63.43 | 61.28 | 60.47 | 59.80 | 59.56 | | 59.33 | |
| 31 | | 62.62 | | 61.89 | 65.10 | | 61.21 | | 59.80 | 59.58 | | 59.34 | |
| Mean | 59.41 | 61.67 | 61.47 | 61.49 | 62.98 | 64.39 | 62.72 | 60.77 | 60.00 | 59.67 | 59.45 | 59.27 | |
| Max | 60.11 | 67.82 | 62.98 | 62.40 | 65.12 | 67.97 | 64.99 | 61.18 | 60.31 | 59.82 | 59.55 | 59.34 | 67.97 |
| Min | 59.13 | 59.75 | 60.25 | 60.81 | 61.59 | 62.60 | 61.21 | 60.38 | 59.80 | 59.56 | 59.31 | 59.19 | 59.13 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 68.11 | m. (MSL.) , | at 19.00 Hours , on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 59.00 | m. (MSL.) , | River Bed | 60.52 | m. (MSL.) |
| Left Bank Elevation | 69.20 | m. (MSL.) , | | | |
| Right Bank Elevation | 68.66 | m. (MSL.) , | Drainage Are | 12,769 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.20 | 20.00 | 279.25 | 75.50 | 186.00 | 1766.25 | 345.75 | 78.50 | 33.85 | 18.50 | 11.75 | 5.60 | | |
| 2 | 4.00 | 50.00 | 326.50 | 72.50 | 414.00 | 1848.75 | 289.75 | 74.00 | 31.75 | 18.50 | 10.75 | 5.20 | | |
| 3 | 3.70 | 95.00 | 270.50 | 91.25 | 434.25 | 1818.75 | 263.50 | 71.00 | 32.80 | 17.50 | 10.75 | 5.20 | | |
| 4 | 3.85 | 56.00 | 204.00 | 112.00 | 330.00 | 1451.25 | 249.50 | 68.00 | 31.40 | 17.25 | 11.25 | 4.80 | | |
| 5 | 3.85 | 36.30 | 153.75 | 109.00 | 247.75 | 525.00 | 328.25 | 68.00 | 30.35 | 17.25 | 10.75 | 4.00 | | |
| 6 | 3.70 | 31.05 | 120.00 | 151.25 | 183.00 | 331.75 | 447.75 | 68.00 | 33.15 | 17.75 | 10.25 | 3.85 | | |
| 7 | 2.95 | 32.45 | 101.00 | 213.00 | 184.50 | 281.00 | 515.00 | 65.00 | 28.25 | 16.50 | 10.00 | 5.60 | | |
| 8 | 2.95 | 31.40 | 84.50 | 225.00 | 142.50 | 281.00 | 741.75 | 64.00 | 26.15 | 16.25 | 10.00 | 5.80 | | |
| 9 | 2.95 | 22.50 | 71.00 | 174.00 | 114.00 | 260.00 | 768.00 | 61.50 | 24.75 | 16.25 | 9.75 | 5.20 | | |
| 10 | 11.00 | 17.25 | 64.50 | 140.00 | 123.75 | 331.75 | 560.00 | 59.00 | 25.10 | 16.00 | 9.25 | 4.60 | | |
| 11 | 10.00 | 18.25 | 61.00 | 121.25 | 150.00 | 351.00 | 562.50 | 59.00 | 25.10 | 14.50 | 9.00 | 5.00 | | |
| 12 | 8.25 | 19.50 | 56.50 | 95.00 | 189.00 | 520.00 | 792.00 | 57.50 | 26.15 | 14.50 | 9.00 | 5.00 | | |
| 13 | 7.00 | 16.75 | 73.25 | 78.50 | 186.00 | 615.00 | 807.00 | 56.00 | 25.10 | 14.00 | 10.25 | 5.00 | | |
| 14 | 6.00 | 17.25 | 57.00 | 68.00 | 180.00 | 577.50 | 545.00 | 55.00 | 22.75 | 14.25 | 10.00 | 5.20 | | |
| 15 | 5.80 | 17.00 | 45.50 | 62.50 | 202.50 | 436.50 | 363.25 | 54.50 | 22.50 | 14.00 | 9.75 | 5.20 | | |
| 16 | 5.20 | 25.45 | 40.60 | 63.50 | 198.00 | 347.50 | 288.00 | 55.00 | 22.75 | 14.00 | 9.75 | 4.80 | | |
| 17 | 4.80 | 52.00 | 36.30 | 72.50 | 223.50 | 296.75 | 239.00 | 53.50 | 21.75 | 13.75 | 10.25 | 4.40 | | |
| 18 | 8.00 | 71.00 | 35.25 | 62.00 | 210.00 | 275.75 | 199.50 | 50.00 | 21.25 | 13.25 | 10.25 | 5.60 | | |
| 19 | 7.20 | 69.50 | 31.75 | 55.50 | 228.50 | 323.00 | 175.50 | 48.00 | 22.00 | 13.25 | 10.00 | 6.20 | | |
| 20 | 7.40 | 57.00 | 40.60 | 64.50 | 309.00 | 324.75 | 158.75 | 47.50 | 20.75 | 13.00 | 9.75 | 5.20 | | |
| 21 | 7.40 | 50.00 | 109.00 | 86.75 | 379.00 | 545.00 | 146.25 | 48.00 | 19.75 | 14.00 | 9.25 | 5.60 | | |
| 22 | 8.25 | 114.00 | 204.00 | 201.00 | 660.00 | 960.00 | 137.50 | 47.00 | 19.25 | 13.75 | 8.75 | 5.40 | | |
| 23 | 4.20 | 846.00 | 235.50 | 132.50 | 846.00 | 1500.00 | 126.25 | 41.00 | 19.00 | 13.25 | 8.00 | 6.00 | | |
| 24 | 12.50 | 1605.00 | 199.50 | 93.50 | 695.00 | 1710.00 | 116.25 | 44.20 | 19.00 | 13.25 | 7.60 | 6.00 | | |
| 25 | 14.75 | 1792.50 | 177.00 | 75.50 | 411.75 | 1455.00 | 106.00 | 42.20 | 19.25 | 13.25 | 7.40 | 6.00 | | |
| 26 | 16.25 | 1507.50 | 156.25 | 65.75 | 310.75 | 722.50 | 99.00 | 39.40 | 19.50 | 13.25 | 6.40 | 5.20 | | |
| 27 | 16.50 | 753.00 | 140.00 | 91.25 | 465.75 | 477.00 | 96.00 | 39.00 | 19.00 | 13.00 | 6.20 | 5.00 | | |
| 28 | 24.05 | 405.00 | 128.75 | 161.25 | 567.50 | 416.25 | 89.75 | 37.40 | 18.50 | 12.50 | 6.60 | 5.60 | | |
| 29 | 26.85 | 258.25 | 103.00 | 184.50 | 747.25 | 389.00 | 89.75 | 36.30 | 18.75 | 12.50 | | 6.00 | | |
| 30 | 20.75 | 216.00 | 89.75 | 153.75 | 600.00 | 411.75 | 86.00 | 39.80 | 18.00 | 12.00 | | 6.60 | | |
| 31 | | 263.50 | | 151.25 | 840.00 | | 80.75 | | 18.00 | 12.50 | | 6.80 | | |
| Total | 264.30 | 8566.40 | 3695.50 | 3503.75 | 10959.25 | 21549.75 | 9813.25 | 1627.30 | 735.65 | 453.50 | 262.70 | 165.65 | 61597.00 | CMSDAY |
| Mean | 8.81 | 276.34 | 123.18 | 113.02 | 353.52 | 718.33 | 316.56 | 54.24 | 23.73 | 14.63 | 9.38 | 5.34 | 168.76 | CMS |
| Max | 26.85 | 1792.50 | 326.50 | 225.00 | 846.00 | 1848.75 | 807.00 | 78.50 | 33.85 | 18.50 | 11.75 | 6.80 | 1848.75 | CMS |
| Min | 2.95 | 16.75 | 31.75 | 55.50 | 114.00 | 260.00 | 80.75 | 36.30 | 18.00 | 12.00 | 6.20 | 3.85 | 2.95 | CMS |
| Runoff | 22.84 | 740.14 | 319.29 | 302.72 | 946.88 | 1861.90 | 847.86 | 140.60 | 63.56 | 39.18 | 22.70 | 14.31 | 5321.98 | MCM |

Momentary Peak 1904.00 CMS. at 68.11 m. (MSL.) at 19.00 Hours , on Sep 1, 2006

Runoff Yield 13.22 Liters/Second/Square KM. Momentary Peak Yield 149.11 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Nam Ngao at Ban Luang Nua , Lampang (Y.13A)

Lat 18 - 45 - 32 N Long 99 - 58 - 33 E

**Location : on left bank at the bridge on highway about 1.6 kilometers upstream from station Y.13**

**Ban** Luang Nua **Amphoe** Ngao **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 381 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +268.300 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 10 meters from the top staff gage. **Elevation** +272.644 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1988 - 1995, 2001 to date |
| **Rating Operation** | |
| **Period of Rating** | 1988 - 1995, 2001 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1988 - 1995, 2001 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 25 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

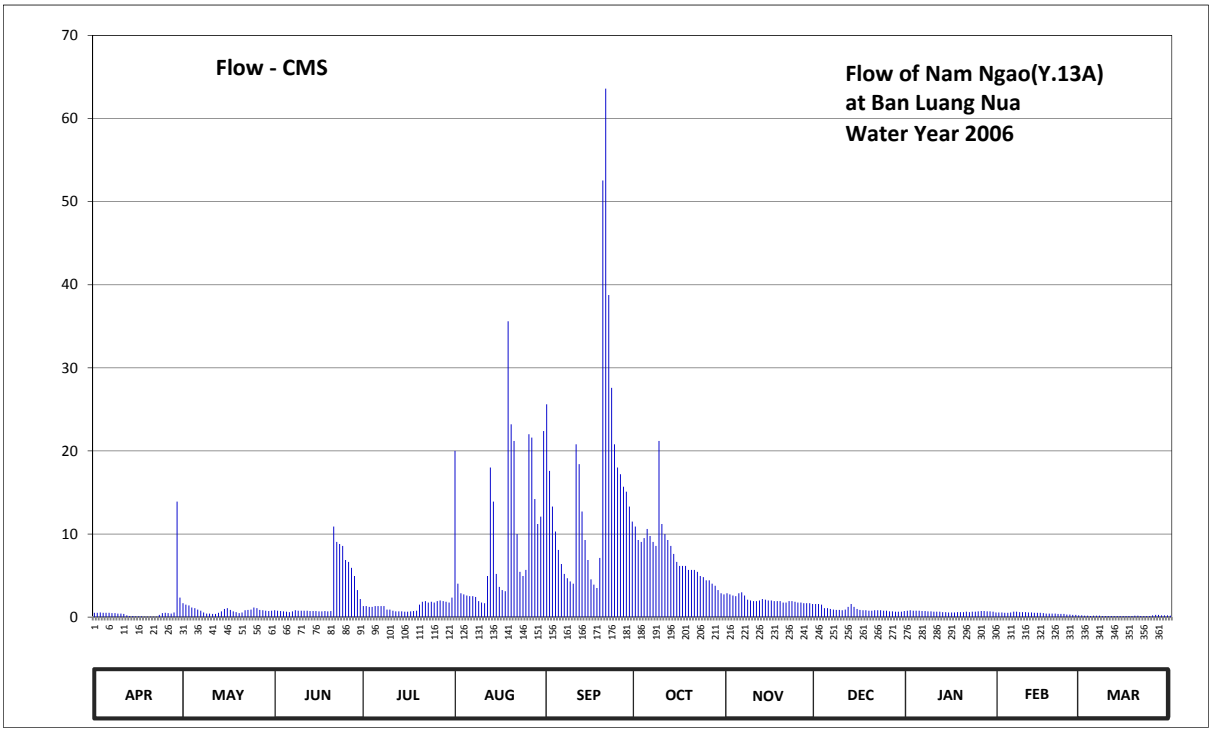
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 268.51 | 268.69 | 268.58 | 268.65 | 269.50 | 269.64 | 269.23 | 268.82 | 268.68 | 268.57 | 268.52 | 268.44 | |
| 2 | 268.51 | 268.67 | 268.57 | 268.65 | 268.91 | 269.44 | 269.17 | 268.81 | 268.68 | 268.58 | 268.52 | 268.43 | |
| 3 | 268.52 | 268.66 | 268.56 | 268.64 | 268.82 | 269.31 | 269.16 | 268.80 | 268.67 | 268.57 | 268.51 | 268.43 | |
| 4 | 268.51 | 268.63 | 268.55 | 268.64 | 268.81 | 269.21 | 269.18 | 268.79 | 268.62 | 268.57 | 268.51 | 268.42 | |
| 5 | 268.51 | 268.62 | 268.54 | 268.65 | 268.80 | 269.12 | 269.22 | 268.82 | 268.62 | 268.57 | 268.52 | 268.43 | |
| 6 | 268.51 | 268.60 | 268.53 | 268.65 | 268.79 | 269.05 | 269.19 | 268.83 | 268.61 | 268.56 | 268.54 | 268.43 | |
| 7 | 268.50 | 268.57 | 268.55 | 268.65 | 268.79 | 269.00 | 269.16 | 268.80 | 268.60 | 268.56 | 268.54 | 268.43 | |
| 8 | 268.50 | 268.52 | 268.58 | 268.65 | 268.78 | 268.96 | 269.14 | 268.74 | 268.59 | 268.55 | 268.53 | 268.42 | |
| 9 | 268.49 | 268.49 | 268.57 | 268.60 | 268.72 | 268.93 | 269.53 | 268.73 | 268.59 | 268.55 | 268.53 | 268.42 | |
| 10 | 268.49 | 268.49 | 268.57 | 268.60 | 268.70 | 268.91 | 269.24 | 268.72 | 268.58 | 268.54 | 268.53 | 268.42 | |
| 11 | 268.48 | 268.48 | 268.57 | 268.57 | 268.69 | 269.52 | 269.20 | 268.72 | 268.60 | 268.54 | 268.52 | 268.42 | |
| 12 | 268.44 | 268.48 | 268.57 | 268.55 | 268.98 | 269.46 | 269.17 | 268.73 | 268.64 | 268.54 | 268.52 | 268.42 | |
| 13 | 268.42 | 268.51 | 268.56 | 268.55 | 269.45 | 269.29 | 269.14 | 268.75 | 268.68 | 268.53 | 268.51 | 268.42 | |
| 14 | 268.42 | 268.55 | 268.56 | 268.55 | 269.33 | 269.17 | 269.10 | 268.74 | 268.64 | 268.53 | 268.51 | 268.42 | |
| 15 | 268.41 | 268.61 | 268.56 | 268.54 | 269.00 | 269.07 | 269.06 | 268.73 | 268.61 | 268.52 | 268.51 | 268.42 | |
| 16 | 268.41 | 268.62 | 268.55 | 268.54 | 268.88 | 268.95 | 269.04 | 268.73 | 268.59 | 268.52 | 268.50 | 268.42 | |
| 17 | 268.41 | 268.59 | 268.55 | 268.55 | 268.85 | 268.90 | 269.04 | 268.72 | 268.58 | 268.52 | 268.49 | 268.42 | |
| 18 | 268.40 | 268.55 | 268.56 | 268.56 | 268.84 | 268.87 | 269.04 | 268.72 | 268.58 | 268.53 | 268.49 | 268.42 | |
| 19 | 268.40 | 268.53 | 268.55 | 268.57 | 269.88 | 269.08 | 269.02 | 268.72 | 268.57 | 268.53 | 268.49 | 268.43 | |
| 20 | 268.39 | 268.50 | 268.56 | 268.67 | 269.58 | 270.21 | 269.02 | 268.70 | 268.57 | 268.53 | 268.49 | 268.43 | |
| 21 | 268.39 | 268.52 | 269.23 | 268.71 | 269.53 | 270.41 | 269.02 | 268.70 | 268.58 | 268.54 | 268.48 | 268.42 | |
| 22 | 268.39 | 268.58 | 269.16 | 268.72 | 269.20 | 269.95 | 269.01 | 268.72 | 268.58 | 268.53 | 268.48 | 268.42 | |
| 23 | 268.45 | 268.59 | 269.15 | 268.70 | 269.01 | 269.69 | 268.98 | 268.72 | 268.58 | 268.54 | 268.48 | 268.42 | |
| 24 | 268.50 | 268.60 | 269.14 | 268.71 | 268.98 | 269.52 | 268.97 | 268.71 | 268.57 | 268.54 | 268.46 | 268.42 | |
| 25 | 268.51 | 268.63 | 269.07 | 268.70 | 269.02 | 269.45 | 268.94 | 268.70 | 268.57 | 268.55 | 268.46 | 268.44 | |
| 26 | 268.50 | 268.62 | 269.06 | 268.72 | 269.55 | 269.43 | 268.94 | 268.70 | 268.55 | 268.56 | 268.45 | 268.45 | |
| 27 | 268.49 | 268.59 | 269.03 | 268.73 | 269.54 | 269.39 | 268.91 | 268.69 | 268.55 | 268.56 | 268.45 | 268.45 | |
| 28 | 268.52 | 268.58 | 268.98 | 268.72 | 269.34 | 269.37 | 268.89 | 268.69 | 268.54 | 268.55 | 268.44 | 268.44 | |
| 29 | 269.33 | 268.57 | 268.85 | 268.71 | 269.24 | 269.31 | 268.85 | 268.69 | 268.54 | 268.55 | | 268.44 | |
| 30 | 268.77 | 268.56 | 268.75 | 268.70 | 269.27 | 269.25 | 268.82 | 268.68 | 268.54 | 268.54 | | 268.44 | |
| 31 | | 268.57 | | 268.77 | 269.56 | | 268.81 | | 268.56 | 268.52 | | 268.43 | |
| Mean | 268.50 | 268.57 | 268.72 | 268.64 | 269.11 | 269.33 | 269.07 | 268.74 | 268.60 | 268.54 | 268.50 | 268.43 | |
| Max | 269.33 | 268.69 | 269.23 | 268.77 | 269.88 | 270.41 | 269.53 | 268.83 | 268.68 | 268.58 | 268.54 | 268.45 | 270.41 |
| Min | 268.39 | 268.48 | 268.53 | 268.54 | 268.69 | 268.87 | 268.81 | 268.68 | 268.54 | 268.52 | 268.44 | 268.42 | 268.39 |

Annual Max Momentary Gage Height 270.47 m. (MSL.) , at 06.00 Hours , on Sep 21, 2006

Zero Gage at Bottom Elevation 268.30 m. (MSL.) , River Bed 267.01 m. (MSL.)

Left Bank Elevation 274.84 m. (MSL.) ,

Right Bank Elevation 274.81 m. (MSL.) , Drainage Are 381 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.52 | 1.67 | 0.82 | 1.33 | 20.00 | 25.60 | 10.90 | 2.86 | 1.58 | 0.77 | 0.56 | 0.22 | | |
| 2 | 0.52 | 1.50 | 0.77 | 1.33 | 4.03 | 17.60 | 9.28 | 2.73 | 1.58 | 0.82 | 0.56 | 0.18 | | |
| 3 | 0.56 | 1.41 | 0.73 | 1.24 | 2.86 | 13.30 | 9.04 | 2.60 | 1.50 | 0.77 | 0.52 | 0.18 | | |
| 4 | 0.52 | 1.16 | 0.69 | 1.24 | 2.73 | 10.30 | 9.52 | 2.52 | 1.07 | 0.77 | 0.52 | 0.14 | | |
| 5 | 0.52 | 1.07 | 0.65 | 1.33 | 2.60 | 8.08 | 10.60 | 2.86 | 1.07 | 0.77 | 0.56 | 0.18 | | |
| 6 | 0.52 | 0.90 | 0.60 | 1.33 | 2.52 | 6.40 | 9.76 | 2.99 | 0.99 | 0.73 | 0.65 | 0.18 | | |
| 7 | 0.48 | 0.77 | 0.69 | 1.33 | 2.52 | 5.20 | 9.04 | 2.60 | 0.90 | 0.73 | 0.65 | 0.18 | | |
| 8 | 0.48 | 0.56 | 0.82 | 1.33 | 2.43 | 4.68 | 8.56 | 2.09 | 0.86 | 0.69 | 0.60 | 0.14 | | |
| 9 | 0.43 | 0.43 | 0.77 | 0.90 | 1.92 | 4.29 | 21.20 | 2.01 | 0.86 | 0.69 | 0.60 | 0.14 | | |
| 10 | 0.43 | 0.43 | 0.77 | 0.90 | 1.75 | 4.03 | 11.20 | 1.92 | 0.82 | 0.65 | 0.60 | 0.14 | | |
| 11 | 0.39 | 0.39 | 0.77 | 0.77 | 1.67 | 20.80 | 10.00 | 1.92 | 0.90 | 0.65 | 0.56 | 0.14 | | |
| 12 | 0.22 | 0.39 | 0.77 | 0.69 | 4.94 | 18.40 | 9.28 | 2.01 | 1.24 | 0.65 | 0.56 | 0.14 | | |
| 13 | 0.14 | 0.52 | 0.73 | 0.69 | 18.00 | 12.70 | 8.56 | 2.18 | 1.58 | 0.60 | 0.52 | 0.14 | | |
| 14 | 0.14 | 0.69 | 0.73 | 0.69 | 13.90 | 9.28 | 7.60 | 2.09 | 1.24 | 0.60 | 0.52 | 0.14 | | |
| 15 | 0.09 | 0.99 | 0.73 | 0.65 | 5.20 | 6.88 | 6.64 | 2.01 | 0.99 | 0.56 | 0.52 | 0.14 | | |
| 16 | 0.09 | 1.07 | 0.69 | 0.65 | 3.64 | 4.55 | 6.16 | 2.01 | 0.86 | 0.56 | 0.48 | 0.14 | | |
| 17 | 0.09 | 0.86 | 0.69 | 0.69 | 3.25 | 3.90 | 6.16 | 1.92 | 0.82 | 0.56 | 0.43 | 0.14 | | |
| 18 | 0.05 | 0.69 | 0.73 | 0.73 | 3.12 | 3.51 | 6.16 | 1.92 | 0.82 | 0.60 | 0.43 | 0.14 | | |
| 19 | 0.05 | 0.60 | 0.69 | 0.77 | 35.60 | 7.12 | 5.68 | 1.92 | 0.77 | 0.60 | 0.43 | 0.18 | | |
| 20 | 0.05 | 0.48 | 0.73 | 1.50 | 23.20 | 52.55 | 5.68 | 1.75 | 0.77 | 0.60 | 0.43 | 0.18 | | |
| 21 | 0.05 | 0.56 | 10.90 | 1.84 | 21.20 | 63.60 | 5.68 | 1.75 | 0.82 | 0.65 | 0.39 | 0.14 | | |
| 22 | 0.05 | 0.82 | 9.04 | 1.92 | 10.00 | 38.75 | 5.44 | 1.92 | 0.82 | 0.60 | 0.39 | 0.14 | | |
| 23 | 0.26 | 0.86 | 8.80 | 1.75 | 5.44 | 27.60 | 4.94 | 1.92 | 0.82 | 0.65 | 0.39 | 0.14 | | |
| 24 | 0.48 | 0.90 | 8.56 | 1.84 | 4.94 | 20.80 | 4.81 | 1.84 | 0.77 | 0.65 | 0.31 | 0.14 | | |
| 25 | 0.52 | 1.16 | 6.88 | 1.75 | 5.68 | 18.00 | 4.42 | 1.75 | 0.77 | 0.69 | 0.31 | 0.22 | | |
| 26 | 0.48 | 1.07 | 6.64 | 1.92 | 22.00 | 17.20 | 4.42 | 1.75 | 0.69 | 0.73 | 0.26 | 0.26 | | |
| 27 | 0.43 | 0.86 | 5.92 | 2.01 | 21.60 | 15.70 | 4.03 | 1.67 | 0.69 | 0.73 | 0.26 | 0.26 | | |
| 28 | 0.56 | 0.82 | 4.94 | 1.92 | 14.20 | 15.10 | 3.77 | 1.67 | 0.65 | 0.69 | 0.22 | 0.22 | | |
| 29 | 13.90 | 0.77 | 3.25 | 1.84 | 11.20 | 13.30 | 3.25 | 1.67 | 0.65 | 0.69 | | 0.22 | | |
| 30 | 2.35 | 0.73 | 2.18 | 1.75 | 12.10 | 11.50 | 2.86 | 1.58 | 0.65 | 0.65 | | 0.22 | | |
| 31 | | 0.77 | | 2.35 | 22.40 | | 2.73 | | 0.73 | 0.56 | | 0.18 | | |
| Total | 25.37 | 25.90 | 81.68 | 40.98 | 306.64 | 480.72 | 227.37 | 62.43 | 29.28 | 20.66 | 13.23 | 5.30 | 1319.56 | CMSDAY |
| Mean | 0.85 | 0.84 | 2.72 | 1.32 | 9.89 | 16.02 | 7.33 | 2.08 | 0.94 | 0.67 | 0.47 | 0.17 | 3.62 | CMS |
| Max | 13.90 | 1.67 | 10.90 | 2.35 | 35.60 | 63.60 | 21.20 | 2.99 | 1.58 | 0.82 | 0.65 | 0.26 | 63.60 | CMS |
| Min | 0.05 | 0.39 | 0.60 | 0.65 | 1.67 | 3.51 | 2.73 | 1.58 | 0.65 | 0.56 | 0.22 | 0.14 | 0.05 | CMS |
| Runoff | 2.19 | 2.24 | 7.06 | 3.54 | 26.49 | 41.53 | 19.64 | 5.39 | 2.53 | 1.79 | 1.14 | 0.46 | 114.01 | MCM |

Momentary Peak 67.20 CMS. at 270.47 m. (MSL.) at 06.00 Hours , on Sep 21, 2006

Runoff Yield 9.49 Liters/Second/Square KM. Momentary Peak Yield 176.38 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Don Rabiang , Sukhothai (Y.14)

Lat 17 - 35 - 42 N Long 99 - 43 - 06 E

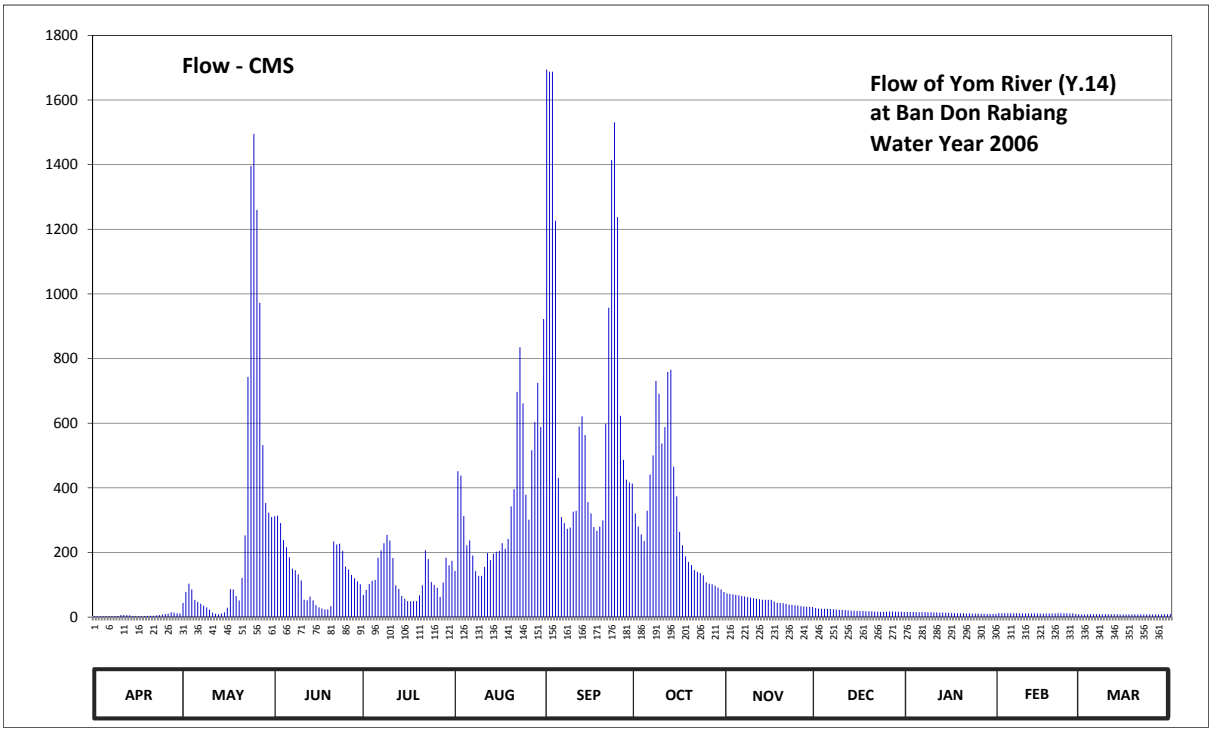
**Location : on left bank about 50 meters from Si Satchanalai - Den Chai Highway No.101 at guidepost 44 th.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Ban** | Don Rabiang | **Amphoe** | Si Satchanalai | **Changwat** | Sukhothai |
| **Drainge Area** | 12,100 | sq.km. | | | | |
| **Type of Gage** | Staff gage | | | | | |
| **Zero Gage at Bottom** | +65.100 | m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | | |
| **Location BM** | In front of gage observer's house. | | | | **Elevation** | +78.363 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | | | | |
| **Period of Available Gage Records** | 1964 to date | | | | | |
| **Rating Operation** | | | | | | |
| **Period of Rating** | 1964 to date | | | | | |
| **Rated by Flot** | - | | | | | |
| **Rated by Current Meter** | 1964 to date | | | | | |
| **Stability of Channel Regimes** | Stable. | | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | | |
| **General Description** | Records very good. Stage-discharge relation defined by 13 discharge measurements made in 2006. | | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 65.57 | 66.67 | 69.30 | 67.04 | 67.91 | 75.26 | 69.36 | 67.10 | 66.40 | 66.10 | 66.01 | 65.85 | |
| 2 | 65.56 | 67.17 | 69.31 | 67.25 | 70.18 | 75.24 | 69.06 | 67.08 | 66.35 | 66.09 | 66.00 | 65.85 | |
| 3 | 65.55 | 67.48 | 69.14 | 67.47 | 70.10 | 75.24 | 68.88 | 67.06 | 66.34 | 66.09 | 66.00 | 65.87 | |
| 4 | 65.54 | 67.27 | 68.75 | 67.58 | 69.30 | 73.68 | 68.73 | 67.04 | 66.34 | 66.08 | 66.00 | 65.87 | |
| 5 | 65.54 | 66.82 | 68.58 | 67.61 | 68.63 | 70.06 | 69.42 | 67.02 | 66.33 | 66.08 | 65.99 | 65.87 | |
| 6 | 65.53 | 66.72 | 68.30 | 68.29 | 68.74 | 69.28 | 70.12 | 66.99 | 66.33 | 66.08 | 65.99 | 65.87 | |
| 7 | 65.53 | 66.63 | 67.98 | 68.49 | 68.35 | 69.14 | 70.46 | 66.97 | 66.31 | 66.08 | 65.99 | 65.87 | |
| 8 | 65.58 | 66.53 | 67.93 | 68.68 | 67.90 | 69.01 | 71.73 | 66.94 | 66.28 | 66.07 | 65.99 | 65.87 | |
| 9 | 65.62 | 66.44 | 67.80 | 68.87 | 67.75 | 69.04 | 71.53 | 66.92 | 66.25 | 66.07 | 65.98 | 65.87 | |
| 10 | 65.77 | 66.27 | 67.59 | 68.74 | 67.75 | 69.40 | 70.67 | 66.89 | 66.25 | 66.06 | 65.98 | 65.87 | |
| 11 | 65.78 | 66.04 | 66.83 | 68.28 | 68.03 | 69.42 | 70.96 | 66.87 | 66.24 | 66.06 | 65.98 | 65.87 | |
| 12 | 65.75 | 65.94 | 66.80 | 67.43 | 68.42 | 70.97 | 71.86 | 66.85 | 66.22 | 66.05 | 65.98 | 65.87 | |
| 13 | 65.71 | 65.88 | 66.96 | 67.29 | 68.22 | 71.15 | 71.89 | 66.83 | 66.20 | 66.05 | 65.97 | 65.87 | |
| 14 | 65.63 | 65.97 | 66.80 | 66.99 | 68.40 | 70.82 | 70.26 | 66.82 | 66.19 | 66.04 | 65.97 | 65.86 | |
| 15 | 65.60 | 66.07 | 66.55 | 66.87 | 68.46 | 69.60 | 69.72 | 66.82 | 66.18 | 66.03 | 65.96 | 65.86 | |
| 16 | 65.58 | 66.42 | 66.44 | 66.76 | 68.48 | 69.36 | 68.94 | 66.82 | 66.17 | 66.02 | 65.96 | 65.86 | |
| 17 | 65.60 | 67.28 | 66.37 | 66.74 | 68.68 | 69.05 | 68.63 | 66.74 | 66.17 | 66.01 | 65.95 | 65.86 | |
| 18 | 65.62 | 67.27 | 66.29 | 66.76 | 68.54 | 68.96 | 68.33 | 66.67 | 66.16 | 66.00 | 65.95 | 65.86 | |
| 19 | 65.65 | 66.99 | 66.29 | 66.76 | 68.78 | 69.06 | 68.17 | 66.66 | 66.16 | 66.00 | 65.97 | 65.86 | |
| 20 | 65.67 | 66.79 | 66.49 | 67.02 | 69.51 | 69.20 | 68.08 | 66.65 | 66.15 | 65.99 | 65.98 | 65.86 | |
| 21 | 65.68 | 67.68 | 68.72 | 67.43 | 69.86 | 71.02 | 67.94 | 66.62 | 66.13 | 65.98 | 65.99 | 65.86 | |
| 22 | 65.71 | 68.86 | 68.65 | 68.50 | 71.56 | 72.69 | 67.88 | 66.58 | 66.12 | 65.97 | 66.00 | 65.86 | |
| 23 | 65.77 | 71.79 | 68.67 | 68.25 | 72.20 | 74.33 | 67.84 | 66.57 | 66.11 | 65.96 | 66.00 | 65.86 | |
| 24 | 65.85 | 74.27 | 68.48 | 67.54 | 71.38 | 74.72 | 67.77 | 66.54 | 66.11 | 65.95 | 65.99 | 65.86 | |
| 25 | 65.90 | 74.60 | 68.04 | 67.44 | 69.75 | 73.72 | 67.53 | 66.53 | 66.12 | 65.95 | 65.98 | 65.85 | |
| 26 | 65.96 | 73.80 | 67.95 | 67.33 | 69.22 | 71.16 | 67.48 | 66.49 | 66.13 | 65.94 | 65.99 | 65.85 | |
| 27 | 66.07 | 72.75 | 67.78 | 66.95 | 70.55 | 70.38 | 67.46 | 66.48 | 66.13 | 65.93 | 65.92 | 65.85 | |
| 28 | 66.04 | 70.64 | 67.67 | 67.52 | 71.05 | 70.03 | 67.41 | 66.47 | 66.12 | 65.92 | 65.87 | 65.85 | |
| 29 | 66.00 | 69.58 | 67.56 | 68.29 | 71.70 | 69.98 | 67.34 | 66.46 | 66.12 | 65.92 | | 65.87 | |
| 30 | 65.97 | 69.38 | 67.46 | 68.07 | 70.96 | 69.96 | 67.27 | 66.45 | 66.11 | 65.92 | | 65.88 | |
| 31 | | 69.28 | | 68.20 | 72.55 | | 67.17 | | 66.10 | 65.92 | | 65.89 | |
| Mean | 65.71 | 68.23 | 67.72 | 67.63 | 69.45 | 71.03 | 69.03 | 66.76 | 66.20 | 66.01 | 65.98 | 65.86 | |
| Max | 66.07 | 74.60 | 69.31 | 68.87 | 72.55 | 75.26 | 71.89 | 67.10 | 66.40 | 66.10 | 66.01 | 65.89 | 75.26 |
| Min | 65.53 | 65.88 | 66.29 | 66.74 | 67.75 | 68.96 | 67.17 | 66.45 | 66.10 | 65.92 | 65.87 | 65.85 | 65.53 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 75.26 | m. (MSL.) , | at 09.00 Hours , on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 65.10 | m. (MSL.) , | River Bed | 63.61 | m. (MSL.) |
| Left Bank Elevation | 78.07 | m. (MSL.) , | | | |
| Right Bank Elevation | 78.04 | m. (MSL.) , | Drainage Are | 12,100 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.70 | 44.20 | 312.50 | 68.80 | 143.00 | 1694.50 | 320.60 | 73.00 | 28.00 | 16.00 | 12.40 | 8.25 | | |
| 2 | 2.60 | 77.90 | 313.85 | 84.00 | 451.50 | 1688.00 | 280.10 | 71.60 | 26.00 | 15.60 | 12.00 | 8.25 | | |
| 3 | 2.50 | 103.20 | 290.90 | 102.30 | 437.50 | 1688.00 | 255.80 | 70.20 | 25.60 | 15.60 | 12.00 | 8.75 | | |
| 4 | 2.40 | 85.60 | 238.25 | 112.20 | 312.50 | 1227.00 | 235.55 | 68.80 | 25.60 | 15.20 | 12.00 | 8.75 | | |
| 5 | 2.40 | 53.40 | 215.80 | 114.90 | 222.05 | 430.50 | 329.00 | 67.40 | 25.20 | 15.20 | 11.75 | 8.75 | | |
| 6 | 2.30 | 47.20 | 185.00 | 183.90 | 236.90 | 309.80 | 441.00 | 65.30 | 25.20 | 15.20 | 11.75 | 8.75 | | |
| 7 | 2.30 | 41.80 | 150.00 | 205.90 | 190.50 | 290.90 | 500.50 | 63.90 | 24.40 | 15.20 | 11.75 | 8.75 | | |
| 8 | 2.80 | 35.80 | 145.00 | 228.80 | 142.00 | 273.35 | 731.00 | 61.80 | 23.20 | 14.80 | 11.75 | 8.75 | | |
| 9 | 3.40 | 30.40 | 132.00 | 254.45 | 127.50 | 277.40 | 691.00 | 60.40 | 22.00 | 14.80 | 11.50 | 8.75 | | |
| 10 | 6.40 | 22.80 | 113.10 | 236.90 | 127.50 | 326.00 | 537.25 | 58.30 | 22.00 | 14.40 | 11.50 | 8.75 | | |
| 11 | 6.60 | 13.60 | 54.10 | 182.80 | 155.30 | 329.00 | 588.00 | 56.90 | 21.60 | 14.40 | 11.50 | 8.75 | | |
| 12 | 6.00 | 10.50 | 52.00 | 98.70 | 198.20 | 589.75 | 758.50 | 55.50 | 20.80 | 14.00 | 11.50 | 8.75 | | |
| 13 | 5.20 | 9.00 | 63.20 | 87.20 | 176.20 | 621.25 | 765.25 | 54.10 | 20.00 | 14.00 | 11.25 | 8.75 | | |
| 14 | 3.60 | 11.25 | 52.00 | 65.30 | 196.00 | 563.50 | 465.50 | 53.40 | 19.60 | 13.60 | 11.25 | 8.50 | | |
| 15 | 3.00 | 14.80 | 37.00 | 56.90 | 202.60 | 356.00 | 374.00 | 53.40 | 19.20 | 13.20 | 11.00 | 8.50 | | |
| 16 | 2.80 | 29.20 | 30.40 | 49.60 | 204.80 | 320.60 | 263.90 | 53.40 | 18.80 | 12.80 | 11.00 | 8.50 | | |
| 17 | 3.00 | 86.40 | 26.80 | 48.40 | 228.80 | 278.75 | 222.05 | 48.40 | 18.80 | 12.40 | 10.75 | 8.50 | | |
| 18 | 3.40 | 85.60 | 23.60 | 49.60 | 211.40 | 266.60 | 188.30 | 44.20 | 18.40 | 12.00 | 10.75 | 8.50 | | |
| 19 | 4.00 | 65.30 | 23.60 | 49.60 | 242.30 | 280.10 | 170.70 | 43.60 | 18.40 | 12.00 | 11.25 | 8.50 | | |
| 20 | 4.40 | 51.40 | 33.40 | 67.40 | 342.50 | 299.00 | 160.80 | 43.00 | 18.00 | 11.75 | 11.50 | 8.50 | | |
| 21 | 4.60 | 121.20 | 234.20 | 98.70 | 396.20 | 598.50 | 146.00 | 41.20 | 17.20 | 11.50 | 11.75 | 8.50 | | |
| 22 | 5.20 | 253.10 | 224.75 | 207.00 | 697.00 | 957.50 | 140.00 | 38.80 | 16.80 | 11.25 | 12.00 | 8.50 | | |
| 23 | 6.40 | 743.00 | 227.45 | 179.50 | 835.00 | 1414.00 | 136.00 | 38.20 | 16.40 | 11.00 | 12.00 | 8.50 | | |
| 24 | 8.25 | 1396.00 | 204.80 | 108.60 | 661.50 | 1531.00 | 129.30 | 36.40 | 16.40 | 10.75 | 11.75 | 8.50 | | |
| 25 | 9.50 | 1495.00 | 156.40 | 99.60 | 378.50 | 1238.00 | 107.70 | 35.80 | 16.80 | 10.75 | 11.50 | 8.25 | | |
| 26 | 11.00 | 1260.00 | 147.00 | 90.40 | 301.70 | 623.00 | 103.20 | 33.40 | 17.20 | 10.50 | 11.75 | 8.25 | | |
| 27 | 14.80 | 972.50 | 130.20 | 62.50 | 516.25 | 486.50 | 101.40 | 32.80 | 17.20 | 10.25 | 10.00 | 8.25 | | |
| 28 | 13.60 | 532.00 | 120.30 | 106.80 | 603.75 | 425.25 | 96.90 | 32.20 | 16.80 | 10.00 | 8.75 | 8.25 | | |
| 29 | 12.00 | 353.00 | 110.40 | 183.90 | 725.00 | 416.60 | 91.20 | 31.60 | 16.80 | 10.00 | | 8.75 | | |
| 30 | 11.25 | 323.30 | 101.40 | 159.70 | 588.00 | 413.20 | 85.60 | 31.00 | 16.40 | 10.00 | | 9.00 | | |
| 31 | | 309.80 | | 174.00 | 922.50 | | 77.90 | | 16.00 | 10.00 | | 9.25 | | |
| Total | 168.40 | 8678.25 | 4149.40 | 3818.35 | 11174.45 | 20213.55 | 9494.00 | 1518.00 | 624.80 | 398.15 | 319.65 | 266.25 | 60823.25 | CMSDAY |
| Mean | 5.61 | 279.94 | 138.31 | 123.17 | 360.47 | 673.78 | 306.26 | 50.60 | 20.15 | 12.84 | 11.42 | 8.59 | 166.64 | CMS |
| Max | 14.80 | 1495.00 | 313.85 | 254.45 | 922.50 | 1694.50 | 765.25 | 73.00 | 28.00 | 16.00 | 12.40 | 9.25 | 1694.50 | CMS |
| Min | 2.30 | 9.00 | 23.60 | 48.40 | 127.50 | 266.60 | 77.90 | 31.00 | 16.00 | 10.00 | 8.75 | 8.25 | 2.30 | CMS |
| Runoff | 14.55 | 749.80 | 358.51 | 329.91 | 965.47 | 1746.45 | 820.28 | 131.16 | 53.98 | 34.40 | 27.62 | 23.00 | 5255.13 | MCM |

Momentary Peak 1694.50 CMS. at 75.26 m. (MSL.) at 09.00 Hours , on Sep 1, 2006

Runoff Yield 13.77 Liters/Second/Square KM. Momentary Peak Yield 140.04 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Bang Rakam , Phitsanulok (Y.16)

Lat 16 - 45 - 26 N Long 100 - 07 - 15 E

**Location : on right bank about 58 meters upstream from the old staff gage.**

**Ban** Bang Rakam **Amphoe** Bang Rakam **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 20,201 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +31.630 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 13 meters from the top staff gage. **Elevation** +42.630 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1967 to date |
| **Rating Operation** | |
| **Period of Rating** | 1967 , 1995 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1967 , 1995 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +38.870 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

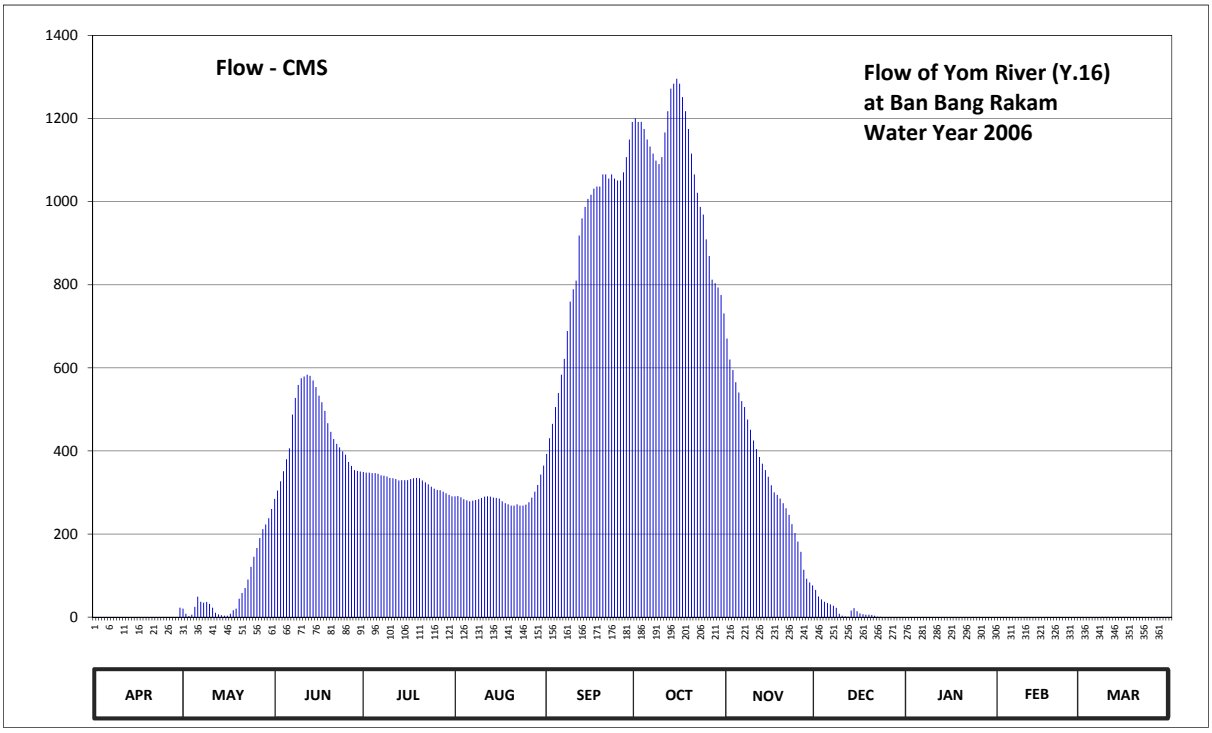
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.02 | 33.38 | 38.08 | 38.86 | 38.16 | 39.34 | 42.73 | 41.32 | 34.61 | 32.05 | 31.96 | 31.97 | |
| 2 | 32.05 | 32.93 | 38.33 | 38.84 | 38.17 | 39.71 | 42.72 | 41.15 | 34.26 | 32.05 | 31.96 | 31.97 | |
| 3 | 32.06 | 32.58 | 38.61 | 38.84 | 38.13 | 40.01 | 42.72 | 40.99 | 34.08 | 32.05 | 31.96 | 31.97 | |
| 4 | 32.07 | 32.79 | 38.88 | 38.83 | 38.07 | 40.32 | 42.70 | 40.78 | 33.91 | 32.05 | 31.96 | 31.98 | |
| 5 | 32.07 | 33.52 | 39.20 | 38.83 | 38.04 | 40.58 | 42.67 | 40.59 | 33.82 | 32.05 | 31.96 | 31.98 | |
| 6 | 32.04 | 34.25 | 39.48 | 38.81 | 38.01 | 40.91 | 42.65 | 40.43 | 33.73 | 32.03 | 31.96 | 32.02 | |
| 7 | 32.03 | 33.91 | 40.18 | 38.77 | 38.03 | 41.16 | 42.63 | 40.32 | 33.61 | 32.01 | 31.96 | 32.11 | |
| 8 | 32.02 | 33.85 | 40.49 | 38.76 | 38.05 | 41.37 | 42.61 | 40.09 | 33.44 | 32.00 | 31.96 | 32.19 | |
| 9 | 32.02 | 33.90 | 40.73 | 38.74 | 38.07 | 41.57 | 42.60 | 39.89 | 32.93 | 32.00 | 31.96 | 32.22 | |
| 10 | 32.01 | 33.76 | 40.85 | 38.70 | 38.11 | 41.78 | 42.62 | 39.66 | 32.64 | 32.00 | 31.97 | 32.22 | |
| 11 | 32.01 | 33.46 | 40.88 | 38.69 | 38.15 | 41.98 | 42.69 | 39.46 | 32.49 | 31.99 | 31.97 | 32.22 | |
| 12 | 31.99 | 33.04 | 40.91 | 38.67 | 38.16 | 42.24 | 42.75 | 39.26 | 32.39 | 31.99 | 31.97 | 32.21 | |
| 13 | 31.96 | 32.84 | 40.89 | 38.63 | 38.15 | 42.33 | 42.81 | 39.08 | 33.23 | 31.98 | 31.97 | 32.19 | |
| 14 | 31.94 | 32.71 | 40.81 | 38.64 | 38.12 | 42.39 | 42.82 | 38.91 | 33.42 | 31.97 | 31.97 | 32.18 | |
| 15 | 31.93 | 32.62 | 40.69 | 38.64 | 38.11 | 42.43 | 42.83 | 38.73 | 33.18 | 31.97 | 31.97 | 32.18 | |
| 16 | 31.92 | 32.62 | 40.53 | 38.64 | 38.09 | 42.45 | 42.82 | 38.49 | 32.99 | 31.97 | 31.97 | 32.17 | |
| 17 | 31.91 | 32.93 | 40.41 | 38.67 | 38.01 | 42.48 | 42.79 | 38.28 | 32.86 | 31.97 | 31.97 | 32.17 | |
| 18 | 31.93 | 33.25 | 40.25 | 38.69 | 37.95 | 42.49 | 42.75 | 38.20 | 32.79 | 31.97 | 31.97 | 32.16 | |
| 19 | 31.93 | 33.38 | 40.02 | 38.70 | 37.92 | 42.49 | 42.70 | 38.09 | 32.78 | 31.97 | 31.97 | 32.15 | |
| 20 | 31.93 | 34.12 | 39.85 | 38.69 | 37.88 | 42.55 | 42.63 | 37.95 | 32.73 | 31.96 | 31.97 | 32.12 | |
| 21 | 31.92 | 34.45 | 39.69 | 38.63 | 37.88 | 42.55 | 42.55 | 37.80 | 32.62 | 31.96 | 31.97 | 32.10 | |
| 22 | 31.96 | 34.71 | 39.58 | 38.58 | 37.92 | 42.53 | 42.46 | 37.60 | 32.41 | 31.96 | 31.97 | 32.08 | |
| 23 | 32.03 | 35.17 | 39.50 | 38.52 | 37.88 | 42.55 | 42.39 | 37.31 | 32.25 | 31.96 | 31.97 | 32.05 | |
| 24 | 32.06 | 35.75 | 39.41 | 38.45 | 37.88 | 42.53 | 42.35 | 37.00 | 32.15 | 31.96 | 31.97 | 32.03 | |
| 25 | 32.05 | 36.15 | 39.32 | 38.39 | 37.91 | 42.52 | 42.22 | 36.71 | 32.09 | 31.96 | 31.97 | 32.02 | |
| 26 | 32.05 | 36.49 | 39.13 | 38.35 | 37.98 | 42.52 | 42.13 | 36.35 | 32.07 | 31.96 | 31.97 | 32.01 | |
| 27 | 32.04 | 36.83 | 39.02 | 38.34 | 38.12 | 42.56 | 42.00 | 35.63 | 32.07 | 31.96 | 31.97 | 32.01 | |
| 28 | 32.04 | 37.14 | 38.91 | 38.30 | 38.30 | 42.62 | 41.92 | 35.21 | 32.08 | 31.96 | 31.97 | 32.00 | |
| 29 | 32.15 | 37.30 | 38.89 | 38.25 | 38.50 | 42.67 | 41.82 | 35.01 | 32.08 | 31.96 | | 31.99 | |
| 30 | 33.46 | 37.50 | 38.87 | 38.20 | 38.79 | 42.72 | 41.65 | 34.85 | 32.07 | 31.96 | | 32.02 | |
| 31 | | 37.78 | | 38.16 | 39.03 | | 41.49 | | 32.06 | 31.96 | | 32.07 | |
| Mean | 32.05 | 34.36 | 39.75 | 38.61 | 38.12 | 41.88 | 42.49 | 38.50 | 32.90 | 31.99 | 31.97 | 32.09 | |
| Max | 33.46 | 37.78 | 40.91 | 38.86 | 39.03 | 42.72 | 42.83 | 41.32 | 34.61 | 32.05 | 31.97 | 32.22 | 42.83 |
| Min | 31.91 | 32.58 | 38.08 | 38.16 | 37.88 | 39.34 | 41.49 | 34.85 | 32.06 | 31.96 | 31.96 | 31.97 | 31.91 |

Annual Max Momentary Gage Height 42.83 m. (MSL.) , at 12.00 Hours , on Oct 15, 2006

Zero Gage at Bottom Elevation 31.63 m. (MSL.) , River Bed 31.10 m. (MSL.)

Left Bank Elevation 38.86 m. (MSL.) ,

Right Bank Elevation 43.08 m. (MSL.) , Drainage Are 20,201 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.33 | 20.40 | 284.40 | 349.40 | 290.80 | 392.60 | 1200.50 | 670.60 | 65.45 | 0.38 | 0.24 | 0.26 | | |
| 2 | 0.38 | 7.95 | 304.40 | 347.60 | 291.60 | 430.55 | 1192.00 | 620.00 | 49.70 | 0.38 | 0.24 | 0.26 | | |
| 3 | 0.39 | 2.80 | 326.90 | 347.60 | 288.40 | 465.30 | 1192.00 | 594.60 | 42.80 | 0.38 | 0.24 | 0.26 | | |
| 4 | 0.41 | 5.85 | 351.20 | 346.70 | 283.60 | 505.60 | 1175.00 | 565.40 | 36.85 | 0.38 | 0.24 | 0.27 | | |
| 5 | 0.41 | 24.60 | 380.00 | 346.70 | 281.20 | 539.40 | 1149.50 | 540.70 | 33.70 | 0.38 | 0.24 | 0.27 | | |
| 6 | 0.36 | 49.25 | 406.40 | 344.90 | 278.80 | 583.40 | 1132.50 | 519.90 | 30.90 | 0.35 | 0.24 | 0.33 | | |
| 7 | 0.35 | 36.85 | 487.40 | 341.30 | 280.40 | 621.60 | 1115.50 | 505.60 | 27.30 | 0.32 | 0.24 | 0.47 | | |
| 8 | 0.33 | 34.75 | 527.70 | 340.40 | 282.00 | 688.35 | 1098.50 | 475.70 | 22.20 | 0.30 | 0.24 | 0.59 | | |
| 9 | 0.33 | 36.50 | 558.90 | 338.60 | 283.60 | 759.35 | 1090.00 | 450.80 | 7.95 | 0.30 | 0.24 | 0.64 | | |
| 10 | 0.32 | 31.80 | 575.00 | 335.00 | 286.80 | 788.90 | 1107.00 | 425.30 | 3.60 | 0.30 | 0.26 | 0.64 | | |
| 11 | 0.32 | 22.80 | 579.20 | 334.10 | 290.00 | 809.90 | 1166.50 | 404.30 | 1.90 | 0.29 | 0.26 | 0.64 | | |
| 12 | 0.29 | 10.20 | 583.40 | 332.30 | 290.80 | 918.40 | 1217.50 | 385.40 | 0.98 | 0.29 | 0.26 | 0.62 | | |
| 13 | 0.24 | 6.60 | 580.60 | 328.70 | 290.00 | 959.80 | 1272.00 | 369.20 | 15.90 | 0.27 | 0.26 | 0.59 | | |
| 14 | 0.21 | 4.65 | 569.40 | 329.60 | 287.60 | 987.40 | 1284.00 | 353.90 | 21.60 | 0.26 | 0.26 | 0.57 | | |
| 15 | 0.20 | 3.30 | 553.70 | 329.60 | 286.80 | 1006.70 | 1296.00 | 337.70 | 14.40 | 0.26 | 0.26 | 0.57 | | |
| 16 | 0.18 | 3.30 | 532.90 | 329.60 | 285.20 | 1016.50 | 1284.00 | 317.20 | 8.85 | 0.26 | 0.26 | 0.56 | | |
| 17 | 0.17 | 7.95 | 517.30 | 332.30 | 278.80 | 1031.20 | 1251.50 | 300.40 | 6.90 | 0.26 | 0.26 | 0.56 | | |
| 18 | 0.20 | 16.50 | 496.50 | 334.10 | 274.00 | 1036.10 | 1217.50 | 294.00 | 5.85 | 0.26 | 0.26 | 0.54 | | |
| 19 | 0.20 | 20.40 | 466.60 | 335.00 | 271.60 | 1036.10 | 1175.00 | 285.20 | 5.70 | 0.26 | 0.26 | 0.53 | | |
| 20 | 0.20 | 44.20 | 446.00 | 334.10 | 268.40 | 1065.50 | 1115.50 | 274.00 | 4.95 | 0.24 | 0.26 | 0.48 | | |
| 21 | 0.18 | 58.25 | 428.45 | 328.70 | 268.40 | 1065.50 | 1065.50 | 262.00 | 3.30 | 0.24 | 0.26 | 0.45 | | |
| 22 | 0.24 | 69.95 | 416.90 | 324.40 | 271.60 | 1055.70 | 1021.40 | 246.00 | 1.10 | 0.24 | 0.26 | 0.42 | | |
| 23 | 0.35 | 90.65 | 408.50 | 319.60 | 268.40 | 1065.50 | 987.40 | 223.70 | 0.70 | 0.24 | 0.26 | 0.38 | | |
| 24 | 0.39 | 121.00 | 399.05 | 314.00 | 268.40 | 1055.70 | 969.00 | 202.00 | 0.53 | 0.24 | 0.26 | 0.35 | | |
| 25 | 0.38 | 145.00 | 390.80 | 309.20 | 270.80 | 1050.80 | 909.20 | 181.70 | 0.44 | 0.24 | 0.26 | 0.33 | | |
| 26 | 0.38 | 166.30 | 373.70 | 306.00 | 276.40 | 1050.80 | 869.20 | 157.00 | 0.41 | 0.24 | 0.26 | 0.32 | | |
| 27 | 0.36 | 190.10 | 363.80 | 305.20 | 287.60 | 1070.40 | 812.00 | 113.80 | 0.41 | 0.24 | 0.26 | 0.32 | | |
| 28 | 0.36 | 211.80 | 353.90 | 302.00 | 302.00 | 1107.00 | 803.60 | 92.50 | 0.42 | 0.24 | 0.26 | 0.30 | | |
| 29 | 0.53 | 223.00 | 352.10 | 298.00 | 318.00 | 1149.50 | 793.10 | 83.45 | 0.42 | 0.24 | | 0.29 | | |
| 30 | 22.80 | 238.00 | 350.30 | 294.00 | 343.10 | 1192.00 | 775.25 | 76.25 | 0.41 | 0.24 | | 0.33 | | |
| 31 | | 260.40 | | 290.80 | 364.70 | | 730.95 | | 0.39 | 0.24 | | 0.41 | | |
| Total | 31.79 | 2165.10 | 13365.40 | 10149.50 | 8909.80 | 26505.55 | 33468.60 | 10328.30 | 416.01 | 8.76 | 7.10 | 13.55 | 105369.46 | CMSDAY |
| Mean | 1.06 | 69.84 | 445.51 | 327.40 | 287.41 | 883.52 | 1079.63 | 344.28 | 13.42 | 0.28 | 0.25 | 0.44 | 288.68 | CMS |
| Max | 22.80 | 260.40 | 583.40 | 349.40 | 364.70 | 1192.00 | 1296.00 | 670.60 | 65.45 | 0.38 | 0.26 | 0.64 | 1296.00 | CMS |
| Min | 0.17 | 2.80 | 284.40 | 290.80 | 268.40 | 392.60 | 730.95 | 76.25 | 0.39 | 0.24 | 0.24 | 0.26 | 0.17 | CMS |
| Runoff | 2.75 | 187.06 | 1154.77 | 876.92 | 769.81 | 2290.08 | 2891.69 | 892.37 | 35.94 | 0.76 | 0.61 | 1.17 | 9103.92 | MCM |

Momentary Peak 1296.00 CMS. at 42.83 m. (MSL.) at 12.00 Hours , on Oct 15, 2006

Runoff Yield 14.29 Liters/Second/Square KM. Momentary Peak Yield 64.16 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Sam Ngam , Phichit (Y.17)

Lat 16 - 30 - 24 N Long 100 - 12 - 27 E

**Location : on left bank at the bridge on highway from in front of Amphoe Sam Ngam office.**

**Ban** Sam Ngam **Amphoe** Sam Ngam **Changwat** Phichit

| | |
|---|---|
| **Drainge Area** | 22,034 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +31.490 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 50 meters from Amphoe Sam Ngam Office. **Elevation** +41.843 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1967 to date |
| **Rating Operation** | |
| **Period of Rating** | 1967 , 1990 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1967 , 1990 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +38.240 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

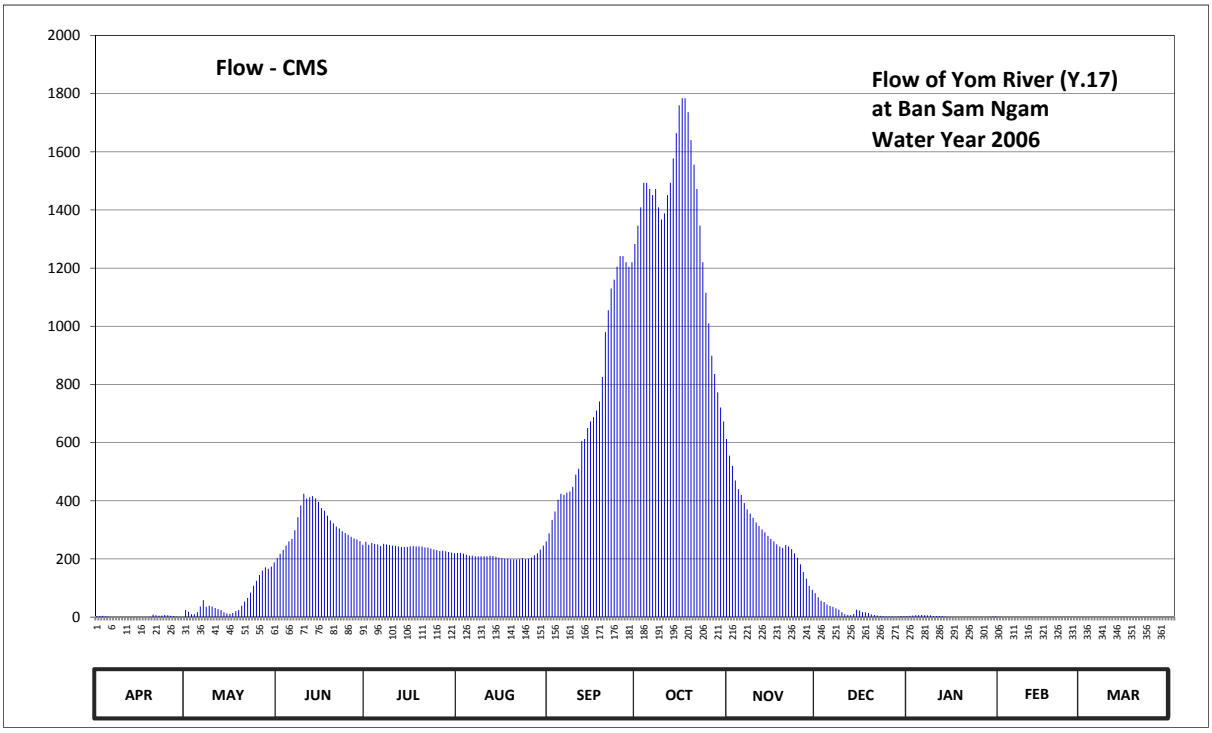
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31.88 | 32.68 | 35.73 | 36.43 | 35.96 | 36.70 | 38.26 | 37.59 | 33.68 | 31.92 | 31.48 | 30.99 | |
| 2 | 31.90 | 32.48 | 35.92 | 36.31 | 35.96 | 37.01 | 38.29 | 37.52 | 33.44 | 31.98 | 31.49 | 30.95 | |
| 3 | 31.92 | 32.19 | 36.09 | 36.39 | 35.93 | 37.13 | 38.33 | 37.42 | 33.35 | 32.04 | 31.49 | 30.93 | |
| 4 | 31.84 | 32.20 | 36.27 | 36.35 | 35.88 | 37.26 | 38.33 | 37.35 | 33.19 | 32.03 | 31.49 | 30.88 | |
| 5 | 31.73 | 32.43 | 36.44 | 36.32 | 35.84 | 37.31 | 38.32 | 37.30 | 33.06 | 32.07 | 31.49 | 30.85 | |
| 6 | 31.57 | 33.00 | 36.53 | 36.25 | 35.84 | 37.30 | 38.31 | 37.23 | 32.98 | 32.03 | 31.49 | 30.83 | |
| 7 | 31.47 | 33.48 | 36.79 | 36.35 | 35.81 | 37.32 | 38.32 | 37.16 | 32.86 | 32.01 | 31.49 | 30.83 | |
| 8 | 31.38 | 32.98 | 37.05 | 36.32 | 35.81 | 37.33 | 38.29 | 37.10 | 32.71 | 31.99 | 31.49 | 30.80 | |
| 9 | 31.28 | 33.08 | 37.21 | 36.30 | 35.81 | 37.37 | 38.27 | 37.04 | 32.44 | 31.89 | 31.49 | 30.79 | |
| 10 | 31.17 | 33.01 | 37.31 | 36.27 | 35.81 | 37.46 | 38.28 | 36.96 | 32.20 | 31.89 | 31.49 | 30.79 | |
| 11 | 31.07 | 32.88 | 37.27 | 36.26 | 35.81 | 37.50 | 38.31 | 36.88 | 32.07 | 31.89 | 31.49 | 30.82 | |
| 12 | 31.04 | 32.78 | 37.28 | 36.24 | 35.83 | 37.66 | 38.33 | 36.81 | 32.03 | 31.87 | 31.49 | 30.85 | |
| 13 | 31.04 | 32.68 | 37.29 | 36.22 | 35.82 | 37.67 | 38.37 | 36.73 | 32.21 | 31.75 | 31.49 | 30.89 | |
| 14 | 31.04 | 32.42 | 37.27 | 36.21 | 35.79 | 37.72 | 38.41 | 36.63 | 32.71 | 31.63 | 31.49 | 30.89 | |
| 15 | 31.04 | 32.28 | 37.24 | 36.22 | 35.75 | 37.75 | 38.45 | 36.53 | 32.62 | 31.57 | 31.49 | 30.89 | |
| 16 | 31.04 | 32.24 | 37.18 | 36.24 | 35.73 | 37.77 | 38.46 | 36.44 | 32.44 | 31.49 | 31.49 | 30.90 | |
| 17 | 31.04 | 32.35 | 37.14 | 36.25 | 35.71 | 37.80 | 38.46 | 36.33 | 32.42 | 31.49 | 31.07 | 30.93 | |
| 18 | 31.04 | 32.56 | 37.07 | 36.24 | 35.71 | 37.83 | 38.44 | 36.23 | 32.34 | 31.49 | 30.99 | 30.95 | |
| 19 | 31.69 | 32.68 | 37.00 | 36.24 | 35.69 | 37.91 | 38.40 | 36.18 | 32.17 | 31.49 | 31.00 | 30.96 | |
| 20 | 32.15 | 33.07 | 36.94 | 36.23 | 35.68 | 38.04 | 38.36 | 36.30 | 32.06 | 31.49 | 31.04 | 30.97 | |
| 21 | 32.02 | 33.40 | 36.87 | 36.20 | 35.68 | 38.09 | 38.32 | 36.24 | 31.98 | 31.49 | 31.10 | 30.99 | |
| 22 | 31.94 | 33.64 | 36.83 | 36.19 | 35.69 | 38.14 | 38.26 | 36.12 | 31.91 | 31.49 | 31.14 | 31.02 | |
| 23 | 31.98 | 33.97 | 36.76 | 36.15 | 35.73 | 38.16 | 38.20 | 35.94 | 31.87 | 31.49 | 31.17 | 31.05 | |
| 24 | 32.07 | 34.36 | 36.71 | 36.11 | 35.69 | 38.19 | 38.13 | 35.75 | 31.84 | 31.49 | 31.18 | 31.11 | |
| 25 | 32.02 | 34.65 | 36.66 | 36.08 | 35.71 | 38.21 | 38.06 | 35.47 | 31.82 | 31.49 | 31.19 | 31.18 | |
| 26 | 31.93 | 34.95 | 36.60 | 36.04 | 35.76 | 38.21 | 37.98 | 35.10 | 31.79 | 31.49 | 31.18 | 31.23 | |
| 27 | 31.88 | 35.17 | 36.54 | 36.05 | 35.86 | 38.20 | 37.92 | 34.77 | 31.77 | 31.52 | 31.12 | 31.32 | |
| 28 | 31.75 | 35.33 | 36.51 | 36.03 | 35.94 | 38.19 | 37.86 | 34.35 | 31.83 | 31.63 | 31.05 | 31.43 | |
| 29 | 31.68 | 35.26 | 36.45 | 36.00 | 36.10 | 38.20 | 37.81 | 34.13 | 31.90 | 31.76 | | 31.49 | |
| 30 | 31.65 | 35.37 | 36.31 | 35.97 | 36.27 | 38.23 | 37.75 | 33.94 | 31.87 | 31.83 | | 31.47 | |
| 31 | | 35.55 | | 35.94 | 36.44 | | 37.67 | | 31.89 | 31.67 | | 31.27 | |
| Mean | 31.58 | 33.39 | 36.78 | 36.21 | 35.84 | 37.72 | 38.22 | 36.32 | 32.37 | 31.72 | 31.32 | 31.01 | |
| Max | 32.15 | 35.55 | 37.31 | 36.43 | 36.44 | 38.23 | 38.46 | 37.59 | 33.68 | 32.07 | 31.49 | 31.49 | 38.46 |
| Min | 31.04 | 32.19 | 35.73 | 35.94 | 35.68 | 36.70 | 37.67 | 33.94 | 31.77 | 31.49 | 30.99 | 30.79 | 30.79 |

Annual Max Momentary Gage Height 38.46 m. (MSL.) , at 18.00 Hours , on Oct 15, 2006

Zero Gage at Bottom Elevation 31.49 m. (MSL.) , River Bed 29.88 m. (MSL.)

Left Bank Elevation 38.23 m. (MSL.) ,

Right Bank Elevation 38.53 m. (MSL.) , Drainage Are 22,034 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.60 | 24.40 | 202.40 | 259.00 | 220.80 | 288.00 | 1346.00 | 555.00 | 68.00 | 4.40 | 0.00 | 0.00 | | |
| 2 | 4.00 | 18.40 | 217.60 | 248.80 | 220.80 | 334.40 | 1409.00 | 520.00 | 56.00 | 5.60 | 0.00 | 0.00 | | |
| 3 | 4.40 | 9.80 | 231.20 | 255.20 | 218.40 | 363.20 | 1493.00 | 470.00 | 51.50 | 6.80 | 0.00 | 0.00 | | |
| 4 | 2.80 | 10.00 | 245.60 | 252.00 | 214.40 | 404.00 | 1493.00 | 440.00 | 43.60 | 6.60 | 0.00 | 0.00 | | |
| 5 | 1.30 | 16.90 | 260.00 | 249.60 | 211.20 | 424.00 | 1472.00 | 420.00 | 38.40 | 7.40 | 0.00 | 0.00 | | |
| 6 | 0.00 | 36.00 | 269.00 | 244.00 | 211.20 | 420.00 | 1451.00 | 392.00 | 35.20 | 6.60 | 0.00 | 0.00 | | |
| 7 | 0.00 | 58.00 | 298.80 | 252.00 | 208.80 | 428.00 | 1472.00 | 370.40 | 30.40 | 6.20 | 0.00 | 0.00 | | |
| 8 | 0.00 | 35.20 | 344.00 | 249.60 | 208.80 | 432.00 | 1409.00 | 356.00 | 25.30 | 5.80 | 0.00 | 0.00 | | |
| 9 | 0.00 | 39.20 | 384.00 | 248.00 | 208.80 | 448.00 | 1367.00 | 341.60 | 17.20 | 3.80 | 0.00 | 0.00 | | |
| 10 | 0.00 | 36.40 | 424.00 | 245.60 | 208.80 | 490.00 | 1388.00 | 325.60 | 10.00 | 3.80 | 0.00 | 0.00 | | |
| 11 | 0.00 | 31.20 | 408.00 | 244.80 | 208.80 | 510.00 | 1451.00 | 312.80 | 7.40 | 3.80 | 0.00 | 0.00 | | |
| 12 | 0.00 | 27.40 | 412.00 | 243.20 | 210.40 | 605.00 | 1493.00 | 301.60 | 6.60 | 3.40 | 0.00 | 0.00 | | |
| 13 | 0.00 | 24.40 | 416.00 | 241.60 | 209.60 | 612.50 | 1577.00 | 291.60 | 10.30 | 1.50 | 0.00 | 0.00 | | |
| 14 | 0.00 | 16.60 | 408.00 | 240.80 | 207.20 | 650.00 | 1664.00 | 279.60 | 25.30 | 0.30 | 0.00 | 0.00 | | |
| 15 | 0.00 | 12.40 | 396.00 | 241.60 | 204.00 | 672.50 | 1760.00 | 269.00 | 22.60 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 11.20 | 375.20 | 243.20 | 202.40 | 687.50 | 1784.00 | 260.00 | 17.20 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 14.50 | 365.60 | 244.00 | 200.80 | 710.00 | 1784.00 | 250.40 | 16.60 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 20.80 | 348.80 | 243.20 | 200.80 | 741.50 | 1736.00 | 242.40 | 14.20 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.90 | 24.40 | 332.00 | 243.20 | 199.20 | 825.50 | 1640.00 | 238.40 | 9.40 | 0.00 | 0.00 | 0.00 | | |
| 20 | 9.00 | 38.80 | 322.40 | 242.40 | 198.40 | 980.00 | 1556.00 | 248.00 | 7.20 | 0.00 | 0.00 | 0.00 | | |
| 21 | 6.40 | 54.00 | 311.20 | 240.00 | 198.40 | 1055.00 | 1472.00 | 243.20 | 5.60 | 0.00 | 0.00 | 0.00 | | |
| 22 | 4.80 | 66.00 | 304.80 | 239.20 | 199.20 | 1130.00 | 1346.00 | 233.60 | 4.20 | 0.00 | 0.00 | 0.00 | | |
| 23 | 5.60 | 84.20 | 295.20 | 236.00 | 202.40 | 1160.00 | 1220.00 | 219.20 | 3.40 | 0.00 | 0.00 | 0.00 | | |
| 24 | 7.40 | 107.60 | 289.20 | 232.80 | 199.20 | 1205.00 | 1115.00 | 204.00 | 2.80 | 0.00 | 0.00 | 0.00 | | |
| 25 | 6.40 | 125.00 | 283.20 | 230.40 | 200.80 | 1241.00 | 1010.00 | 181.60 | 2.40 | 0.00 | 0.00 | 0.00 | | |
| 26 | 4.60 | 144.50 | 276.00 | 227.20 | 204.80 | 1241.00 | 899.00 | 155.00 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 27 | 3.60 | 159.90 | 270.00 | 228.00 | 212.80 | 1220.00 | 836.00 | 132.20 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 28 | 1.50 | 171.10 | 267.00 | 226.40 | 219.20 | 1205.00 | 773.00 | 107.00 | 2.60 | 0.30 | 0.00 | 0.00 | | |
| 29 | 0.80 | 166.20 | 261.00 | 224.00 | 232.00 | 1220.00 | 720.50 | 93.80 | 4.00 | 1.60 | | 0.00 | | |
| 30 | 0.50 | 173.90 | 248.80 | 221.60 | 245.60 | 1283.00 | 672.50 | 82.40 | 3.40 | 2.60 | | 0.00 | | |
| 31 | | 188.00 | | 219.20 | 260.00 | | 612.50 | | 3.80 | 0.70 | | 0.00 | | |
| Total | 67.60 | 1946.40 | 9467.00 | 7456.60 | 6548.00 | 22986.10 | 41421.50 | 8536.40 | 548.20 | 71.20 | 0.00 | 0.00 | 99049.00 | CMSDAY |
| Mean | 2.25 | 62.79 | 315.57 | 240.54 | 211.23 | 766.20 | 1336.18 | 284.55 | 17.68 | 2.30 | 0.00 | 0.00 | 271.37 | CMS |
| Max | 9.00 | 188.00 | 424.00 | 259.00 | 260.00 | 1283.00 | 1784.00 | 555.00 | 68.00 | 7.40 | 0.00 | 0.00 | 1784.00 | CMS |
| Min | 0.00 | 9.80 | 202.40 | 219.20 | 198.40 | 288.00 | 612.50 | 82.40 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 5.84 | 168.17 | 817.95 | 644.25 | 565.75 | 1986.00 | 3578.82 | 737.54 | 47.36 | 6.15 | 0.00 | 0.00 | 8557.83 | MCM |

Momentary Peak 1784.00 CMS. at 38.46 m. (MSL.) at 18.00 Hours , on Oct 15, 2006

Runoff Yield 12.32 Liters/Second/Square KM. Momentary Peak Yield 80.97 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Huai Sak , Phrae (Y.20)

Lat 18 - 35 - 06 N Long 100 - 09 - 16 E

**Location : on left bank about 1 kilometer downstream from Sop Ngao.**

| | | | |
|---|---|---|---|
| | **Ban** Huai Sak | **Amphoe** Song | **Changwat** Phrae |
| **Drainge Area** | 5,394 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +181.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the automatic gage building. | | **Elevation** +193.552 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1971 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1972 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1972 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Mae yom weir situated about 15 kilometers above site. Stage-discharge relation defined by 95 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

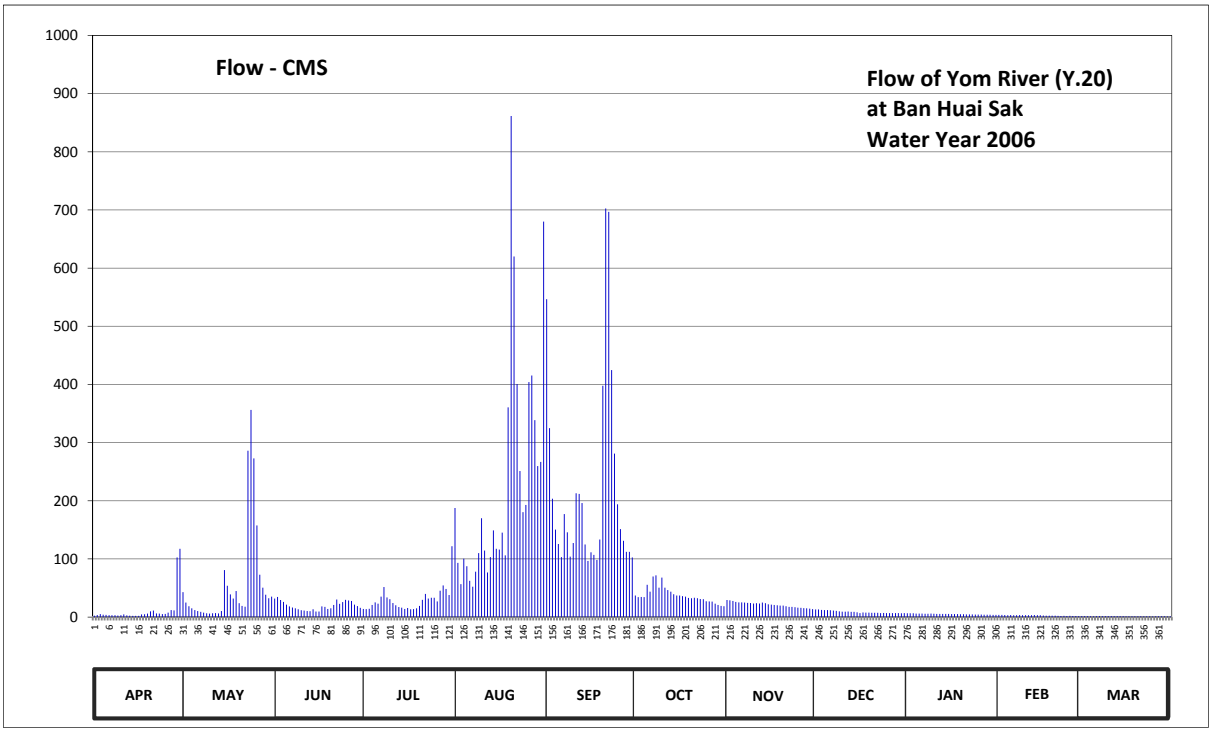
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 181.73 | 182.92 | 182.69 | 182.21 | 184.93 | 187.43 | 182.80 | 182.63 | 182.18 | 181.94 | 181.81 | 181.65 | |
| 2 | 181.79 | 182.52 | 182.75 | 182.20 | 183.75 | 186.11 | 182.74 | 182.62 | 182.18 | 181.94 | 181.81 | 181.65 | |
| 3 | 181.88 | 182.35 | 182.63 | 182.22 | 183.18 | 185.08 | 182.75 | 182.59 | 182.16 | 181.94 | 181.80 | 181.65 | |
| 4 | 181.83 | 182.24 | 182.55 | 182.41 | 183.85 | 184.51 | 182.74 | 182.55 | 182.15 | 181.92 | 181.78 | 181.64 | |
| 5 | 181.81 | 182.15 | 182.43 | 182.53 | 183.67 | 184.19 | 183.16 | 182.53 | 182.15 | 181.92 | 181.80 | 181.64 | |
| 6 | 181.78 | 182.10 | 182.34 | 182.47 | 183.28 | 183.89 | 182.94 | 182.53 | 182.14 | 181.91 | 181.77 | 181.65 | |
| 7 | 181.77 | 182.05 | 182.29 | 182.76 | 183.10 | 184.83 | 183.40 | 182.52 | 182.12 | 181.90 | 181.77 | 181.65 | |
| 8 | 181.77 | 181.99 | 182.24 | 183.09 | 183.53 | 184.45 | 183.43 | 182.51 | 182.11 | 181.90 | 181.79 | 181.65 | |
| 9 | 181.75 | 181.94 | 182.19 | 182.73 | 183.98 | 183.90 | 183.07 | 182.50 | 182.08 | 181.91 | 181.78 | 181.65 | |
| 10 | 181.77 | 181.91 | 182.14 | 182.66 | 184.75 | 184.21 | 183.37 | 182.48 | 182.06 | 181.90 | 181.77 | 181.65 | |
| 11 | 181.85 | 181.94 | 182.12 | 182.50 | 184.04 | 185.17 | 183.07 | 182.49 | 182.06 | 181.89 | 181.77 | 181.65 | |
| 12 | 181.76 | 181.95 | 182.10 | 182.40 | 183.51 | 185.16 | 182.99 | 182.48 | 182.07 | 181.89 | 181.77 | 181.65 | |
| 13 | 181.72 | 181.93 | 182.09 | 182.31 | 183.89 | 185.01 | 182.94 | 182.52 | 182.05 | 181.89 | 181.79 | 181.65 | |
| 14 | 181.71 | 182.10 | 182.19 | 182.28 | 184.49 | 184.18 | 182.85 | 182.49 | 182.05 | 181.89 | 181.78 | 181.65 | |
| 15 | 181.71 | 183.57 | 182.07 | 182.21 | 184.08 | 183.80 | 182.80 | 182.44 | 182.02 | 181.89 | 181.77 | 181.65 | |
| 16 | 181.71 | 183.13 | 182.07 | 182.26 | 184.06 | 184.00 | 182.80 | 182.43 | 181.96 | 181.87 | 181.74 | 181.64 | |
| 17 | 181.85 | 182.84 | 182.34 | 182.19 | 184.44 | 183.94 | 182.78 | 182.41 | 182.01 | 181.87 | 181.73 | 181.63 | |
| 18 | 181.86 | 182.69 | 182.32 | 182.20 | 183.93 | 183.82 | 182.76 | 182.40 | 182.00 | 181.87 | 181.72 | 181.63 | |
| 19 | 181.92 | 182.96 | 182.21 | 182.24 | 186.36 | 184.29 | 182.71 | 182.38 | 181.99 | 181.86 | 181.72 | 181.63 | |
| 20 | 182.08 | 182.49 | 182.24 | 182.37 | 188.59 | 186.61 | 182.70 | 182.38 | 181.98 | 181.86 | 181.72 | 181.63 | |
| 21 | 182.12 | 182.37 | 182.41 | 182.64 | 187.75 | 188.08 | 182.72 | 182.35 | 181.98 | 181.85 | 181.70 | 181.63 | |
| 22 | 181.93 | 182.33 | 182.65 | 182.86 | 186.63 | 188.06 | 182.70 | 182.32 | 181.98 | 181.85 | 181.69 | 181.63 | |
| 23 | 181.92 | 185.80 | 182.46 | 182.69 | 185.51 | 186.78 | 182.67 | 182.32 | 181.96 | 181.85 | 181.70 | 181.63 | |
| 24 | 181.88 | 186.33 | 182.54 | 182.72 | 184.86 | 185.76 | 182.66 | 182.30 | 181.97 | 181.84 | 181.69 | 181.64 | |
| 25 | 181.89 | 185.69 | 182.64 | 182.72 | 184.98 | 184.99 | 182.58 | 182.28 | 181.96 | 181.84 | 181.70 | 181.62 | |
| 26 | 182.00 | 184.60 | 182.61 | 182.57 | 186.65 | 184.52 | 182.57 | 182.27 | 181.96 | 181.84 | 181.68 | 181.63 | |
| 27 | 182.15 | 183.45 | 182.59 | 182.97 | 186.72 | 184.26 | 182.56 | 182.25 | 181.96 | 181.83 | 181.68 | 181.63 | |
| 28 | 182.13 | 183.07 | 182.43 | 183.14 | 186.21 | 184.01 | 182.47 | 182.24 | 181.96 | 181.82 | 181.67 | 181.63 | |
| 29 | 183.88 | 182.83 | 182.36 | 183.03 | 185.58 | 184.01 | 182.41 | 182.23 | 181.96 | 181.82 | | 181.63 | |
| 30 | 184.08 | 182.70 | 182.27 | 182.82 | 185.64 | 183.88 | 182.37 | 182.20 | 181.94 | 181.81 | | 181.62 | |
| 31 | | 182.76 | | 184.14 | 188.00 | | 182.35 | | 181.95 | 181.81 | | 181.62 | |
| Mean | 182.00 | 182.89 | 182.37 | 182.60 | 184.97 | 184.96 | 182.80 | 182.42 | 182.04 | 181.87 | 181.75 | 181.64 | |
| Max | 184.08 | 186.33 | 182.75 | 184.14 | 188.59 | 188.08 | 183.43 | 182.63 | 182.18 | 181.94 | 181.81 | 181.65 | 188.59 |
| Min | 181.71 | 181.91 | 182.07 | 182.19 | 183.10 | 183.80 | 182.35 | 182.20 | 181.94 | 181.81 | 181.67 | 181.62 | 181.62 |

Annual Max Momentary Gage Height 189.18 m. (MSL.) , at 16.00 Hours , on Aug 20 , 2006

Zero Gage at Bottom Elevation 181.00 m. (MSL.) , River Bed 179.42 m. (MSL.)

Left Bank Elevation 193.54 m. (MSL.) ,

Right Bank Elevation 193.65 m. (MSL.) , Drainage Are 5,394 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.55 | 42.82 | 31.97 | 14.02 | 187.65 | 546.60 | 37.00 | 29.39 | 13.06 | 6.54 | 3.81 | 1.50 | | |
| 2 | 3.45 | 24.98 | 34.70 | 13.70 | 93.10 | 324.85 | 34.24 | 28.96 | 13.06 | 6.54 | 3.81 | 1.50 | | |
| 3 | 5.28 | 18.65 | 29.39 | 14.34 | 56.62 | 203.40 | 34.70 | 27.71 | 12.42 | 6.54 | 3.60 | 1.50 | | |
| 4 | 4.23 | 14.98 | 26.15 | 20.78 | 100.30 | 150.53 | 34.24 | 26.15 | 12.10 | 6.12 | 3.30 | 1.38 | | |
| 5 | 3.81 | 12.10 | 21.54 | 25.37 | 87.53 | 125.75 | 55.54 | 25.37 | 12.10 | 6.12 | 3.60 | 1.38 | | |
| 6 | 3.30 | 10.50 | 18.30 | 23.06 | 62.34 | 103.26 | 43.84 | 25.37 | 11.78 | 5.91 | 3.15 | 1.50 | | |
| 7 | 3.15 | 9.15 | 16.58 | 35.16 | 52.30 | 177.15 | 69.80 | 24.98 | 11.14 | 5.70 | 3.15 | 1.50 | | |
| 8 | 3.15 | 7.59 | 14.98 | 51.76 | 78.08 | 145.88 | 71.69 | 24.59 | 10.82 | 5.70 | 3.45 | 1.50 | | |
| 9 | 2.85 | 6.54 | 13.38 | 33.78 | 109.92 | 104.00 | 50.68 | 24.20 | 9.96 | 5.91 | 3.30 | 1.50 | | |
| 10 | 3.15 | 5.91 | 11.78 | 30.68 | 169.88 | 127.28 | 67.91 | 23.44 | 9.42 | 5.70 | 3.15 | 1.50 | | |
| 11 | 4.65 | 6.54 | 11.14 | 24.20 | 114.42 | 212.85 | 50.68 | 23.82 | 9.42 | 5.49 | 3.15 | 1.50 | | |
| 12 | 3.00 | 6.75 | 10.50 | 20.40 | 76.76 | 211.80 | 46.39 | 23.44 | 9.69 | 5.49 | 3.15 | 1.50 | | |
| 13 | 2.40 | 6.33 | 10.23 | 17.25 | 103.26 | 196.05 | 43.84 | 24.98 | 9.15 | 5.49 | 3.45 | 1.50 | | |
| 14 | 2.25 | 10.50 | 13.38 | 16.26 | 148.98 | 124.99 | 39.40 | 23.82 | 9.15 | 5.49 | 3.30 | 1.50 | | |
| 15 | 2.25 | 80.72 | 9.69 | 14.02 | 117.44 | 96.60 | 37.00 | 21.92 | 8.34 | 5.49 | 3.15 | 1.50 | | |
| 16 | 2.25 | 53.92 | 9.69 | 15.62 | 115.93 | 111.40 | 37.00 | 21.54 | 6.96 | 5.07 | 2.70 | 1.38 | | |
| 17 | 4.65 | 38.92 | 18.30 | 13.38 | 145.10 | 106.96 | 36.08 | 20.78 | 8.07 | 5.07 | 2.55 | 1.26 | | |
| 18 | 4.86 | 31.97 | 17.60 | 13.70 | 106.22 | 98.08 | 35.16 | 20.40 | 7.80 | 5.07 | 2.40 | 1.26 | | |
| 19 | 6.12 | 44.86 | 14.02 | 14.98 | 360.60 | 133.48 | 32.86 | 19.70 | 7.59 | 4.86 | 2.40 | 1.26 | | |
| 20 | 9.96 | 23.82 | 14.98 | 19.35 | 861.50 | 397.60 | 32.40 | 19.70 | 7.38 | 4.86 | 2.40 | 1.26 | | |
| 21 | 11.14 | 19.35 | 20.78 | 29.82 | 620.00 | 702.40 | 33.32 | 18.65 | 7.38 | 4.65 | 2.10 | 1.26 | | |
| 22 | 6.33 | 17.95 | 30.25 | 39.88 | 400.80 | 696.80 | 32.40 | 17.60 | 7.38 | 4.65 | 1.98 | 1.26 | | |
| 23 | 6.12 | 286.00 | 22.68 | 31.97 | 251.20 | 424.80 | 31.11 | 17.60 | 6.96 | 4.65 | 2.10 | 1.26 | | |
| 24 | 5.28 | 356.18 | 25.76 | 33.32 | 180.30 | 281.20 | 30.68 | 16.90 | 7.17 | 4.44 | 1.98 | 1.38 | | |
| 25 | 5.49 | 272.80 | 29.82 | 33.32 | 192.90 | 193.95 | 27.32 | 16.26 | 6.96 | 4.44 | 2.10 | 1.14 | | |
| 26 | 7.80 | 157.50 | 28.53 | 26.93 | 404.00 | 151.30 | 26.93 | 15.94 | 6.96 | 4.44 | 1.86 | 1.26 | | |
| 27 | 12.10 | 72.95 | 27.71 | 45.37 | 415.20 | 131.15 | 26.54 | 15.30 | 6.96 | 4.23 | 1.86 | 1.26 | | |
| 28 | 11.46 | 50.68 | 21.54 | 54.46 | 338.48 | 112.16 | 23.06 | 14.98 | 6.96 | 4.02 | 1.74 | 1.26 | | |
| 29 | 102.52 | 38.44 | 19.00 | 48.52 | 259.60 | 112.16 | 20.78 | 14.66 | 6.96 | 4.02 | | 1.26 | | |
| 30 | 117.44 | 32.40 | 15.94 | 37.96 | 266.80 | 102.52 | 19.35 | 13.70 | 6.54 | 3.81 | | 1.14 | | |
| 31 | | 35.16 | | 121.97 | 680.00 | | 18.65 | | 6.75 | 3.81 | | 1.14 | | |
| Total | 362.99 | 1796.96 | 590.31 | 935.33 | 7157.21 | 6606.95 | 1180.59 | 641.85 | 276.39 | 160.32 | 78.69 | 42.30 | 19829.89 | CMSDAY |
| Mean | 12.10 | 57.97 | 19.68 | 30.17 | 230.88 | 220.23 | 38.08 | 21.39 | 8.92 | 5.17 | 2.81 | 1.36 | 54.33 | CMS |
| Max | 117.44 | 356.18 | 34.70 | 121.97 | 861.50 | 702.40 | 71.69 | 29.39 | 13.06 | 6.54 | 3.81 | 1.50 | 861.50 | CMS |
| Min | 2.25 | 5.91 | 9.69 | 13.38 | 52.30 | 96.60 | 18.65 | 13.70 | 6.54 | 3.81 | 1.74 | 1.14 | 1.14 | CMS |
| Runoff | 31.36 | 155.26 | 51.00 | 80.81 | 618.38 | 570.84 | 102.00 | 55.46 | 23.88 | 13.85 | 6.80 | 3.65 | 1713.30 | MCM |

Momentary Peak 1091.50 CMS. at 189.18 m. (MSL.) at 16.00 Hours , on Aug 20, 2006

Runoff Yield 10.07 Liters/Second/Square KM. Momentary Peak Yield 202.34 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Nam Pi at Ban Mang , Phayao (Y.24)

Lat 18 - 53 - 11 N Long 100 - 17 - 20 E

**Location : on right bank upstream of the bridge from Pong Sanuk - Chiang Muan road.**

**Ban** Mang **Amphoe** Chiang Muan **Changwat** Phayao

| | |
|---|---|
| **Drainge Area** | 590 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +257.765 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +264.800 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1977 to date |
| **Rating Operation** | |
| **Period of Rating** | 1979 - 1986 , 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1979 - 1986 , 1996 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. The channel flow silted about 100 meters downstream from the gage site. Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

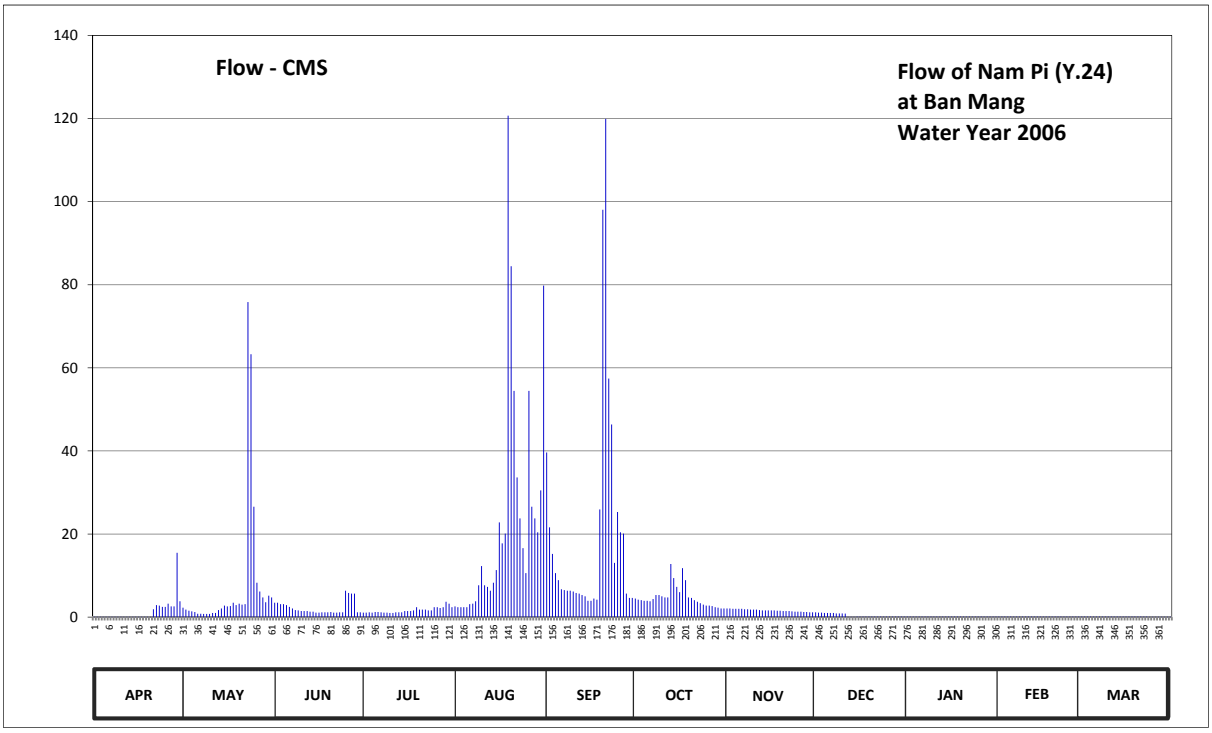
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 259.40 | 259.46 | 259.57 | 259.32 | 259.49 | 260.91 | 259.65 | 259.44 | 259.33 | 259.82 | 259.82 | 259.77 | |
| 2 | 259.39 | 259.41 | 259.57 | 259.32 | 259.47 | 260.37 | 259.63 | 259.44 | 259.32 | 259.82 | 259.82 | 259.75 | |
| 3 | 259.39 | 259.38 | 259.54 | 259.33 | 259.47 | 260.15 | 259.62 | 259.43 | 259.32 | 259.82 | 259.81 | 259.75 | |
| 4 | 259.39 | 259.36 | 259.54 | 259.32 | 259.47 | 259.97 | 259.61 | 259.43 | 259.31 | 259.82 | 259.81 | 259.72 | |
| 5 | 259.39 | 259.34 | 259.52 | 259.34 | 259.47 | 259.90 | 259.61 | 259.43 | 259.31 | 259.82 | 259.80 | 259.72 | |
| 6 | 259.39 | 259.28 | 259.48 | 259.34 | 259.54 | 259.79 | 259.60 | 259.43 | 259.31 | 259.81 | 259.80 | 259.71 | |
| 7 | 259.39 | 259.28 | 259.44 | 259.33 | 259.55 | 259.78 | 259.64 | 259.42 | 259.31 | 259.81 | 259.80 | 259.71 | |
| 8 | 259.39 | 259.27 | 259.40 | 259.32 | 259.60 | 259.77 | 259.71 | 259.42 | 259.30 | 259.81 | 259.79 | 259.70 | |
| 9 | 259.39 | 259.27 | 259.39 | 259.32 | 259.84 | 259.77 | 259.71 | 259.41 | 259.30 | 259.81 | 259.78 | 259.69 | |
| 10 | 259.39 | 259.27 | 259.37 | 259.31 | 260.04 | 259.76 | 259.69 | 259.41 | 259.30 | 259.81 | 259.77 | 259.69 | |
| 11 | 259.39 | 259.31 | 259.37 | 259.31 | 259.84 | 259.74 | 259.67 | 259.41 | 259.29 | 259.79 | 259.77 | 259.68 | |
| 12 | 259.39 | 259.31 | 259.37 | 259.33 | 259.82 | 259.73 | 259.67 | 259.40 | 259.33 | 259.79 | 259.76 | 259.68 | |
| 13 | 259.39 | 259.40 | 259.35 | 259.33 | 259.77 | 259.71 | 260.06 | 259.39 | 259.42 | 259.79 | 259.76 | 259.68 | |
| 14 | 259.39 | 259.44 | 259.35 | 259.33 | 259.87 | 259.69 | 259.92 | 259.39 | 259.51 | 259.79 | 259.76 | 259.68 | |
| 15 | 259.39 | 259.51 | 259.32 | 259.37 | 260.00 | 259.61 | 259.82 | 259.39 | 259.60 | 259.79 | 259.77 | 259.68 | |
| 16 | 259.39 | 259.49 | 259.32 | 259.37 | 260.41 | 259.61 | 259.75 | 259.39 | 259.68 | 259.79 | 259.77 | 259.68 | |
| 17 | 259.39 | 259.50 | 259.33 | 259.37 | 260.24 | 259.65 | 260.02 | 259.39 | 259.76 | 259.79 | 259.77 | 259.68 | |
| 18 | 259.39 | 259.57 | 259.33 | 259.39 | 260.32 | 259.63 | 259.90 | 259.38 | 259.82 | 259.79 | 259.77 | 259.67 | |
| 19 | 259.39 | 259.52 | 259.33 | 259.47 | 262.25 | 260.51 | 259.67 | 259.38 | 259.82 | 259.79 | 259.77 | 259.68 | |
| 20 | 259.39 | 259.55 | 259.34 | 259.41 | 261.75 | 261.95 | 259.66 | 259.37 | 259.82 | 259.79 | 259.77 | 259.64 | |
| 21 | 259.42 | 259.53 | 259.32 | 259.41 | 261.24 | 262.24 | 259.62 | 259.37 | 259.82 | 259.79 | 259.77 | 259.62 | |
| 22 | 259.52 | 259.54 | 259.32 | 259.41 | 260.74 | 261.30 | 259.59 | 259.37 | 259.82 | 259.79 | 259.77 | 259.62 | |
| 23 | 259.51 | 261.62 | 259.33 | 259.39 | 260.44 | 261.07 | 259.56 | 259.36 | 259.82 | 259.79 | 259.77 | 259.57 | |
| 24 | 259.48 | 261.41 | 259.33 | 259.39 | 260.20 | 260.07 | 259.53 | 259.35 | 259.82 | 259.79 | 259.77 | 259.54 | |
| 25 | 259.48 | 260.53 | 259.77 | 259.47 | 259.97 | 260.49 | 259.51 | 259.35 | 259.82 | 259.79 | 259.77 | 259.54 | |
| 26 | 259.55 | 259.87 | 259.74 | 259.47 | 261.24 | 260.33 | 259.51 | 259.35 | 259.82 | 259.79 | 259.77 | 259.54 | |
| 27 | 259.49 | 259.76 | 259.73 | 259.45 | 260.53 | 260.32 | 259.50 | 259.34 | 259.82 | 259.82 | 259.77 | 259.51 | |
| 28 | 259.49 | 259.67 | 259.73 | 259.47 | 260.44 | 259.73 | 259.47 | 259.34 | 259.82 | 259.82 | 259.77 | 259.51 | |
| 29 | 260.16 | 259.58 | 259.33 | 259.59 | 260.33 | 259.66 | 259.46 | 259.33 | 259.82 | 259.82 | | 259.48 | |
| 30 | 259.60 | 259.70 | 259.33 | 259.55 | 260.65 | 259.66 | 259.44 | 259.33 | 259.82 | 259.82 | | 259.48 | |
| 31 | | 259.67 | | 259.47 | 261.68 | | 259.44 | | 259.82 | 259.82 | | 259.48 | |
| Mean | 259.45 | 259.64 | 259.44 | 259.39 | 260.25 | 260.16 | 259.65 | 259.39 | 259.59 | 259.80 | 259.78 | 259.64 | |
| Max | 260.16 | 261.62 | 259.77 | 259.59 | 262.25 | 262.24 | 260.06 | 259.44 | 259.82 | 259.82 | 259.82 | 259.77 | 262.25 |
| Min | 259.39 | 259.27 | 259.32 | 259.31 | 259.47 | 259.61 | 259.44 | 259.33 | 259.29 | 259.79 | 259.76 | 259.48 | 259.27 |

Annual Max Momentary Gage Height 263.50 m. (MSL.) , at 20.00 Hours , on May 23, 2006

Zero Gage at Bottom Elevation 257.77 m. (MSL.) , River Bed 255.89 m. (MSL.) ,

Left Bank Elevation 266.24 m. (MSL.) ,

Right Bank Elevation 266.70 m. (MSL.) , Drainage Are 590 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.08 | 2.28 | 3.46 | 1.06 | 2.57 | 39.61 | 4.48 | 2.09 | 1.14 | 0.12 | 0.12 | 0.12 | | |
| 2 | 0.08 | 1.80 | 3.46 | 1.06 | 2.38 | 21.60 | 4.21 | 2.09 | 1.06 | 0.12 | 0.12 | 0.12 | | |
| 3 | 0.08 | 1.54 | 3.12 | 1.14 | 2.38 | 15.20 | 4.07 | 1.99 | 1.06 | 0.12 | 0.12 | 0.12 | | |
| 4 | 0.08 | 1.38 | 3.12 | 1.06 | 2.38 | 10.58 | 3.94 | 1.99 | 0.98 | 0.12 | 0.12 | 0.11 | | |
| 5 | 0.08 | 1.22 | 2.90 | 1.22 | 2.38 | 8.90 | 3.94 | 1.99 | 0.98 | 0.12 | 0.12 | 0.11 | | |
| 6 | 0.08 | 0.81 | 2.48 | 1.22 | 3.12 | 6.68 | 3.80 | 1.99 | 0.98 | 0.12 | 0.12 | 0.11 | | |
| 7 | 0.08 | 0.81 | 2.09 | 1.14 | 3.24 | 6.51 | 4.34 | 1.89 | 0.98 | 0.12 | 0.12 | 0.11 | | |
| 8 | 0.08 | 0.77 | 1.70 | 1.06 | 3.80 | 6.34 | 5.32 | 1.89 | 0.90 | 0.12 | 0.12 | 0.11 | | |
| 9 | 0.08 | 0.77 | 1.62 | 1.06 | 7.67 | 6.34 | 5.32 | 1.80 | 0.90 | 0.12 | 0.12 | 0.11 | | |
| 10 | 0.08 | 0.77 | 1.46 | 0.98 | 12.30 | 6.17 | 5.02 | 1.80 | 0.90 | 0.12 | 0.12 | 0.11 | | |
| 11 | 0.08 | 0.98 | 1.46 | 0.98 | 7.67 | 5.83 | 4.75 | 1.80 | 0.86 | 0.12 | 0.12 | 0.11 | | |
| 12 | 0.08 | 0.98 | 1.46 | 1.14 | 7.26 | 5.66 | 4.75 | 1.70 | 0.07 | 0.12 | 0.12 | 0.11 | | |
| 13 | 0.08 | 1.70 | 1.30 | 1.14 | 6.34 | 5.32 | 12.80 | 1.62 | 0.08 | 0.12 | 0.12 | 0.11 | | |
| 14 | 0.08 | 2.09 | 1.30 | 1.14 | 8.29 | 5.02 | 9.38 | 1.62 | 0.09 | 0.12 | 0.12 | 0.11 | | |
| 15 | 0.08 | 2.78 | 1.06 | 1.46 | 11.30 | 3.94 | 7.26 | 1.62 | 0.10 | 0.12 | 0.12 | 0.11 | | |
| 16 | 0.08 | 2.57 | 1.06 | 1.46 | 22.81 | 3.94 | 6.00 | 1.62 | 0.11 | 0.12 | 0.12 | 0.11 | | |
| 17 | 0.08 | 2.67 | 1.14 | 1.46 | 17.76 | 4.48 | 11.80 | 1.62 | 0.12 | 0.12 | 0.12 | 0.11 | | |
| 18 | 0.08 | 3.46 | 1.14 | 1.62 | 20.10 | 4.21 | 8.90 | 1.54 | 0.12 | 0.12 | 0.12 | 0.11 | | |
| 19 | 0.08 | 2.90 | 1.14 | 2.38 | 120.70 | 25.92 | 4.75 | 1.54 | 0.12 | 0.12 | 0.12 | 0.11 | | |
| 20 | 0.08 | 3.24 | 1.22 | 1.80 | 84.45 | 98.05 | 4.61 | 1.46 | 0.12 | 0.12 | 0.12 | 0.10 | | |
| 21 | 1.89 | 3.01 | 1.06 | 1.80 | 54.46 | 119.90 | 4.07 | 1.46 | 0.12 | 0.12 | 0.12 | 0.10 | | |
| 22 | 2.90 | 3.12 | 1.06 | 1.80 | 33.60 | 57.40 | 3.69 | 1.46 | 0.12 | 0.12 | 0.12 | 0.10 | | |
| 23 | 2.78 | 75.82 | 1.14 | 1.62 | 23.74 | 46.38 | 3.35 | 1.38 | 0.12 | 0.12 | 0.12 | 0.10 | | |
| 24 | 2.48 | 63.28 | 1.14 | 1.62 | 16.60 | 13.05 | 3.01 | 1.30 | 0.12 | 0.12 | 0.12 | 0.09 | | |
| 25 | 2.48 | 26.56 | 6.34 | 2.38 | 10.58 | 25.29 | 2.78 | 1.30 | 0.12 | 0.12 | 0.12 | 0.09 | | |
| 26 | 3.24 | 8.29 | 5.83 | 2.38 | 54.46 | 20.40 | 2.78 | 1.30 | 0.12 | 0.12 | 0.12 | 0.09 | | |
| 27 | 2.57 | 6.17 | 5.66 | 2.19 | 26.56 | 20.10 | 2.67 | 1.22 | 0.12 | 0.12 | 0.12 | 0.09 | | |
| 28 | 2.57 | 4.75 | 5.66 | 2.38 | 23.74 | 5.66 | 2.38 | 1.22 | 0.12 | 0.12 | 0.12 | 0.09 | | |
| 29 | 15.48 | 3.57 | 1.14 | 3.69 | 20.40 | 4.61 | 2.28 | 1.14 | 0.12 | 0.12 | | 0.09 | | |
| 30 | 3.80 | 5.15 | 1.14 | 3.24 | 30.50 | 4.61 | 2.09 | 1.14 | 0.12 | 0.12 | | 0.09 | | |
| 31 | | 4.75 | | 2.38 | 79.78 | | 2.09 | | 0.12 | 0.12 | | 0.09 | | |
| Total | 41.79 | 239.99 | 67.86 | 51.06 | 723.32 | 607.70 | 150.63 | 48.58 | 12.99 | 3.72 | 3.36 | 3.24 | 1954.24 | CMSDAY |
| Mean | 1.39 | 7.74 | 2.26 | 1.65 | 23.33 | 20.26 | 4.86 | 1.62 | 0.42 | 0.12 | 0.12 | 0.10 | 5.35 | CMS |
| Max | 15.48 | 75.82 | 6.34 | 3.69 | 120.70 | 119.90 | 12.80 | 2.09 | 1.14 | 0.12 | 0.12 | 0.12 | 120.70 | CMS |
| Min | 0.08 | 0.77 | 1.06 | 0.98 | 2.38 | 3.94 | 2.09 | 1.14 | 0.07 | 0.12 | 0.12 | 0.09 | 0.07 | CMS |
| Runoff | 3.61 | 20.74 | 5.86 | 4.41 | 62.49 | 52.51 | 13.01 | 4.20 | 1.12 | 0.32 | 0.29 | 0.28 | 168.85 | MCM |

Momentary Peak 234.20 CMS. at 263.50 m. (MSL.) at 20.00 Hours , on May 23, 2006

Runoff Yield 9.07 Liters/Second/Square KM. Momentary Peak Yield 396.95 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Nam Mae Suat at Ban Pa Wai Mai, Nan (Y.25)

Lat 18 - 50 - 28 N Long 100 - 25 - 55 E

**Location : on left bank at the bridge of Phayao - Nan Highway and about 1.5 kilometers from Amphoe Ban Luang.**

**Ban** Pa Wai Mai **Amphoe** Ban Luang **Changwat** Nan

| | |
|---|---|
| **Drainge Area** | 203 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +339.742 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 6.00 meters from the abutment of the bridge. **Elevation** +345.692 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1980 to date |
| **Rating Operation** | |
| **Period of Rating** | 1980 - 1988 , 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1980 - 1988 , 2000 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage - discharge relation defined by 7 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

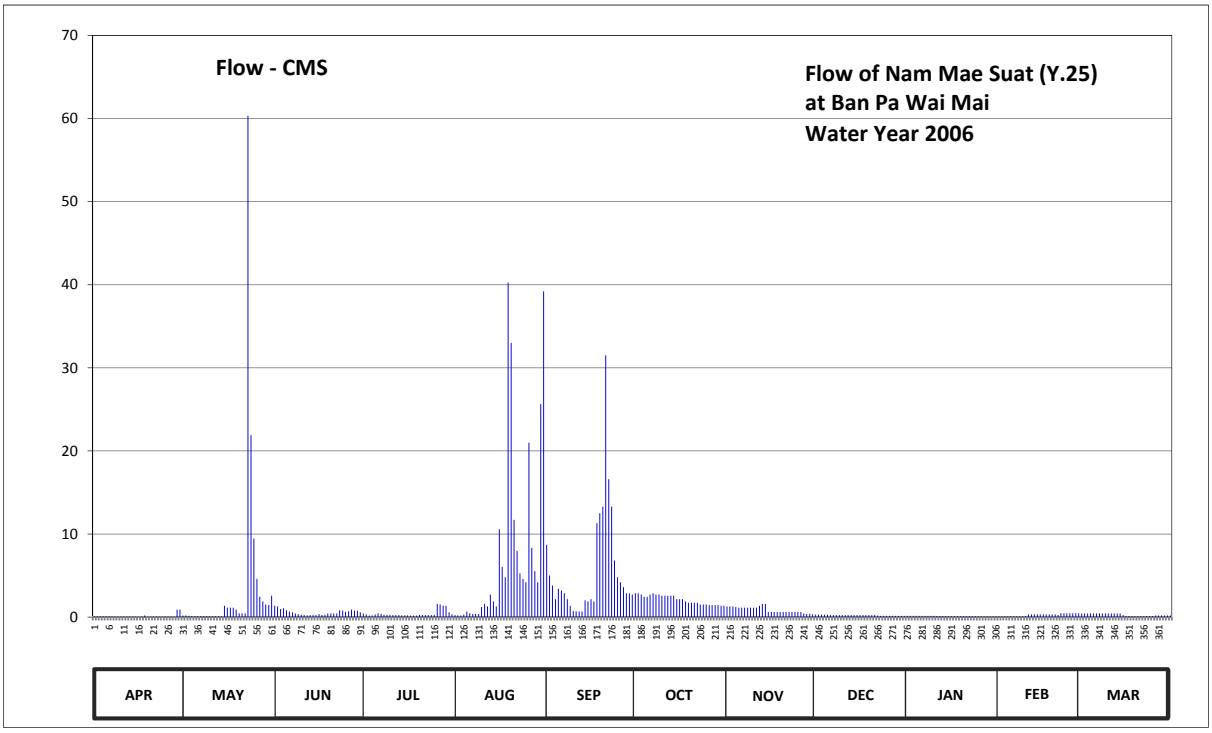
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 339.96 | 340.06 | 340.37 | 340.18 | 340.09 | 340.73 | 340.49 | 340.36 | 340.13 | 340.02 | 339.98 | 340.18 | |
| 2 | 339.96 | 340.05 | 340.36 | 340.14 | 340.07 | 340.60 | 340.49 | 340.36 | 340.12 | 340.02 | 339.98 | 340.18 | |
| 3 | 339.96 | 340.03 | 340.32 | 340.05 | 340.06 | 340.54 | 340.48 | 340.36 | 340.12 | 340.02 | 339.98 | 340.19 | |
| 4 | 339.96 | 340.01 | 340.33 | 340.08 | 340.13 | 340.44 | 340.46 | 340.35 | 340.12 | 340.02 | 339.98 | 340.19 | |
| 5 | 339.96 | 340.00 | 340.30 | 340.14 | 340.26 | 340.52 | 340.46 | 340.34 | 340.12 | 340.02 | 339.98 | 340.19 | |
| 6 | 339.96 | 340.00 | 340.26 | 340.20 | 340.20 | 340.51 | 340.48 | 340.34 | 340.10 | 340.02 | 339.98 | 340.19 | |
| 7 | 339.95 | 340.00 | 340.23 | 340.16 | 340.16 | 340.49 | 340.49 | 340.34 | 340.10 | 340.02 | 339.98 | 340.19 | |
| 8 | 339.93 | 340.00 | 340.19 | 340.12 | 340.17 | 340.44 | 340.48 | 340.34 | 340.10 | 340.02 | 339.98 | 340.19 | |
| 9 | 339.92 | 339.99 | 340.15 | 340.11 | 340.16 | 340.37 | 340.48 | 340.34 | 340.10 | 340.02 | 339.98 | 340.19 | |
| 10 | 339.92 | 339.99 | 340.11 | 340.11 | 340.35 | 340.27 | 340.47 | 340.34 | 340.09 | 340.02 | 339.99 | 340.19 | |
| 11 | 339.92 | 339.98 | 340.10 | 340.10 | 340.40 | 340.27 | 340.47 | 340.34 | 340.10 | 340.01 | 340.14 | 340.19 | |
| 12 | 339.92 | 339.98 | 340.08 | 340.09 | 340.36 | 340.26 | 340.47 | 340.37 | 340.10 | 340.01 | 340.14 | 340.19 | |
| 13 | 339.92 | 339.98 | 340.09 | 340.09 | 340.48 | 340.26 | 340.47 | 340.40 | 340.10 | 340.01 | 340.14 | 340.19 | |
| 14 | 339.92 | 339.98 | 340.09 | 340.07 | 340.42 | 340.43 | 340.47 | 340.40 | 340.10 | 340.01 | 340.14 | 340.19 | |
| 15 | 339.91 | 340.37 | 340.09 | 340.07 | 340.36 | 340.42 | 340.44 | 340.24 | 340.09 | 340.00 | 340.14 | 340.09 | |
| 16 | 339.86 | 340.34 | 340.15 | 340.07 | 340.78 | 340.44 | 340.44 | 340.24 | 340.09 | 340.00 | 340.14 | 340.01 | |
| 17 | 339.92 | 340.34 | 340.10 | 340.06 | 340.64 | 340.42 | 340.44 | 340.24 | 340.09 | 340.00 | 340.14 | 340.01 | |
| 18 | 340.05 | 340.34 | 340.12 | 340.06 | 340.59 | 340.80 | 340.42 | 340.24 | 340.09 | 340.00 | 340.14 | 340.00 | |
| 19 | 339.89 | 340.31 | 340.19 | 340.06 | 341.42 | 340.83 | 340.41 | 340.24 | 340.09 | 340.00 | 340.14 | 339.99 | |
| 20 | 339.89 | 340.20 | 340.19 | 340.09 | 341.28 | 340.85 | 340.41 | 340.24 | 340.09 | 340.00 | 340.14 | 339.99 | |
| 21 | 339.92 | 340.20 | 340.19 | 340.09 | 340.81 | 341.25 | 340.41 | 340.24 | 340.09 | 340.00 | 340.11 | 339.99 | |
| 22 | 339.91 | 340.19 | 340.19 | 340.09 | 340.71 | 340.93 | 340.41 | 340.24 | 340.06 | 339.99 | 340.20 | 340.00 | |
| 23 | 339.90 | 341.78 | 340.30 | 340.09 | 340.61 | 340.85 | 340.39 | 340.24 | 340.03 | 339.99 | 340.20 | 340.01 | |
| 24 | 339.90 | 341.05 | 340.29 | 340.09 | 340.58 | 340.67 | 340.39 | 340.24 | 340.03 | 339.99 | 340.20 | 340.01 | |
| 25 | 339.91 | 340.75 | 340.25 | 340.11 | 340.56 | 340.59 | 340.39 | 340.24 | 340.03 | 339.99 | 340.20 | 339.99 | |
| 26 | 339.91 | 340.58 | 340.27 | 340.40 | 341.03 | 340.56 | 340.38 | 340.24 | 340.02 | 339.98 | 340.20 | 340.06 | |
| 27 | 339.91 | 340.46 | 340.31 | 340.39 | 340.72 | 340.53 | 340.38 | 340.19 | 340.02 | 339.98 | 340.20 | 340.06 | |
| 28 | 339.90 | 340.42 | 340.29 | 340.37 | 340.62 | 340.49 | 340.38 | 340.16 | 340.02 | 339.98 | 340.20 | 340.06 | |
| 29 | 340.31 | 340.39 | 340.28 | 340.37 | 340.56 | 340.49 | 340.38 | 340.16 | 340.02 | 339.98 | | 340.06 | |
| 30 | 340.31 | 340.38 | 340.23 | 340.23 | 341.13 | 340.48 | 340.37 | 340.14 | 340.02 | 339.98 | | 340.06 | |
| 31 | | 340.47 | | 340.14 | 341.40 | | 340.37 | | 340.02 | 339.98 | | 340.06 | |
| Mean | 339.95 | 340.28 | 340.21 | 340.14 | 340.55 | 340.56 | 340.43 | 340.28 | 340.08 | 340.00 | 340.10 | 340.10 | |
| Max | 340.31 | 341.78 | 340.37 | 340.40 | 341.42 | 341.25 | 340.49 | 340.40 | 340.13 | 340.02 | 340.20 | 340.19 | 341.78 |
| Min | 339.86 | 339.98 | 340.08 | 340.05 | 340.06 | 340.26 | 340.37 | 340.14 | 340.02 | 339.98 | 339.98 | 339.99 | 339.86 |

Annual Max Momentary Gage Height 342.39 m. (MSL.) , at 12.00 Hours , on May 23, 2006

Zero Gage at Bottom Elevation 339.74 m. (MSL.) , River Bed 339.26 m. (MSL.)

Left Bank Elevation 346.08 m. (MSL.) ,

Right Bank Elevation 346.07 m. (MSL.) , Drainage Are 203 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.09 | 0.20 | 1.37 | 0.42 | 0.24 | 8.71 | 2.86 | 1.29 | 0.31 | 0.15 | 0.10 | 0.42 | | |
| 2 | 0.09 | 0.19 | 1.29 | 0.33 | 0.21 | 5.00 | 2.86 | 1.29 | 0.29 | 0.15 | 0.10 | 0.42 | | |
| 3 | 0.09 | 0.16 | 0.98 | 0.19 | 0.20 | 3.80 | 2.72 | 1.29 | 0.29 | 0.15 | 0.10 | 0.44 | | |
| 4 | 0.09 | 0.13 | 1.06 | 0.22 | 0.31 | 2.16 | 2.44 | 1.22 | 0.29 | 0.15 | 0.10 | 0.44 | | |
| 5 | 0.09 | 0.12 | 0.83 | 0.33 | 0.68 | 3.40 | 2.44 | 1.14 | 0.29 | 0.15 | 0.10 | 0.44 | | |
| 6 | 0.09 | 0.12 | 0.68 | 0.46 | 0.46 | 3.20 | 2.72 | 1.14 | 0.25 | 0.15 | 0.10 | 0.44 | | |
| 7 | 0.08 | 0.12 | 0.57 | 0.38 | 0.38 | 2.86 | 2.86 | 1.14 | 0.25 | 0.15 | 0.10 | 0.44 | | |
| 8 | 0.06 | 0.12 | 0.44 | 0.29 | 0.40 | 2.16 | 2.72 | 1.14 | 0.25 | 0.15 | 0.10 | 0.44 | | |
| 9 | 0.06 | 0.11 | 0.36 | 0.27 | 0.38 | 1.37 | 2.72 | 1.14 | 0.25 | 0.15 | 0.10 | 0.44 | | |
| 10 | 0.06 | 0.11 | 0.27 | 0.27 | 1.22 | 0.72 | 2.58 | 1.14 | 0.24 | 0.15 | 0.11 | 0.44 | | |
| 11 | 0.06 | 0.10 | 0.25 | 0.25 | 1.60 | 0.72 | 2.58 | 1.14 | 0.25 | 0.13 | 0.33 | 0.44 | | |
| 12 | 0.06 | 0.10 | 0.22 | 0.24 | 1.29 | 0.68 | 2.58 | 1.37 | 0.25 | 0.13 | 0.33 | 0.44 | | |
| 13 | 0.06 | 0.10 | 0.24 | 0.24 | 2.72 | 0.68 | 2.58 | 1.60 | 0.25 | 0.13 | 0.33 | 0.44 | | |
| 14 | 0.06 | 0.10 | 0.24 | 0.21 | 1.88 | 2.02 | 2.58 | 1.60 | 0.25 | 0.13 | 0.33 | 0.44 | | |
| 15 | 0.05 | 1.37 | 0.24 | 0.21 | 1.29 | 1.88 | 2.16 | 0.61 | 0.24 | 0.12 | 0.33 | 0.24 | | |
| 16 | 0.02 | 1.14 | 0.36 | 0.21 | 10.56 | 2.16 | 2.16 | 0.61 | 0.24 | 0.12 | 0.33 | 0.13 | | |
| 17 | 0.06 | 1.14 | 0.25 | 0.20 | 6.04 | 1.88 | 2.16 | 0.61 | 0.24 | 0.12 | 0.33 | 0.13 | | |
| 18 | 0.19 | 1.14 | 0.29 | 0.20 | 4.80 | 11.30 | 1.88 | 0.61 | 0.24 | 0.12 | 0.33 | 0.12 | | |
| 19 | 0.04 | 0.91 | 0.44 | 0.20 | 40.26 | 12.50 | 1.74 | 0.61 | 0.24 | 0.12 | 0.33 | 0.11 | | |
| 20 | 0.04 | 0.46 | 0.44 | 0.24 | 33.00 | 13.30 | 1.74 | 0.61 | 0.24 | 0.12 | 0.33 | 0.11 | | |
| 21 | 0.06 | 0.46 | 0.44 | 0.24 | 11.70 | 31.50 | 1.74 | 0.61 | 0.24 | 0.12 | 0.27 | 0.11 | | |
| 22 | 0.05 | 0.44 | 0.44 | 0.24 | 7.97 | 16.59 | 1.74 | 0.61 | 0.20 | 0.11 | 0.46 | 0.12 | | |
| 23 | 0.04 | 60.34 | 0.83 | 0.24 | 5.26 | 13.30 | 1.52 | 0.61 | 0.16 | 0.11 | 0.46 | 0.13 | | |
| 24 | 0.04 | 21.90 | 0.79 | 0.24 | 4.60 | 6.82 | 1.52 | 0.61 | 0.16 | 0.11 | 0.46 | 0.13 | | |
| 25 | 0.05 | 9.45 | 0.65 | 0.27 | 4.20 | 4.80 | 1.52 | 0.61 | 0.16 | 0.11 | 0.46 | 0.11 | | |
| 26 | 0.05 | 4.60 | 0.72 | 1.60 | 20.98 | 4.20 | 1.45 | 0.61 | 0.15 | 0.10 | 0.46 | 0.20 | | |
| 27 | 0.05 | 2.44 | 0.91 | 1.52 | 8.34 | 3.60 | 1.45 | 0.44 | 0.15 | 0.10 | 0.46 | 0.20 | | |
| 28 | 0.04 | 1.88 | 0.79 | 1.37 | 5.52 | 2.86 | 1.45 | 0.38 | 0.15 | 0.10 | 0.46 | 0.20 | | |
| 29 | 0.91 | 1.52 | 0.76 | 1.37 | 4.20 | 2.86 | 1.45 | 0.38 | 0.15 | 0.10 | | 0.20 | | |
| 30 | 0.91 | 1.45 | 0.57 | 0.57 | 25.64 | 2.72 | 1.37 | 0.33 | 0.15 | 0.10 | | 0.20 | | |
| 31 | | 2.58 | | 0.33 | 39.20 | | 1.37 | | 0.15 | 0.10 | | 0.20 | | |
| Total | 3.64 | 115.00 | 17.72 | 13.35 | 245.53 | 169.75 | 65.66 | 26.49 | 6.97 | 3.90 | 7.80 | 8.76 | 684.57 | CMSDAY |
| Mean | 0.12 | 3.71 | 0.59 | 0.43 | 7.92 | 5.66 | 2.12 | 0.88 | 0.22 | 0.13 | 0.28 | 0.28 | 1.88 | CMS |
| Max | 0.91 | 60.34 | 1.37 | 1.60 | 40.26 | 31.50 | 2.86 | 1.60 | 0.31 | 0.15 | 0.46 | 0.44 | 60.34 | CMS |
| Min | 0.02 | 0.10 | 0.22 | 0.19 | 0.20 | 0.68 | 1.37 | 0.33 | 0.15 | 0.10 | 0.10 | 0.11 | 0.02 | CMS |
| Runoff | 0.31 | 9.94 | 1.53 | 1.15 | 21.21 | 14.67 | 5.67 | 2.29 | 0.60 | 0.34 | 0.67 | 0.76 | 59.15 | MCM |

Momentary Peak 97.08 CMS. at 342.39 m. (MSL.) at 12.00 Hours , on May 23, 2006

Runoff Yield 9.23 Liters/Second/Square KM. Momentary Peak Yield 477.76 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Huai Mae Mok at Ban Mae Phu , Lampang (Y.26)

Lat 17 - 19 - 37 N Long 99 - 27 - 42 E

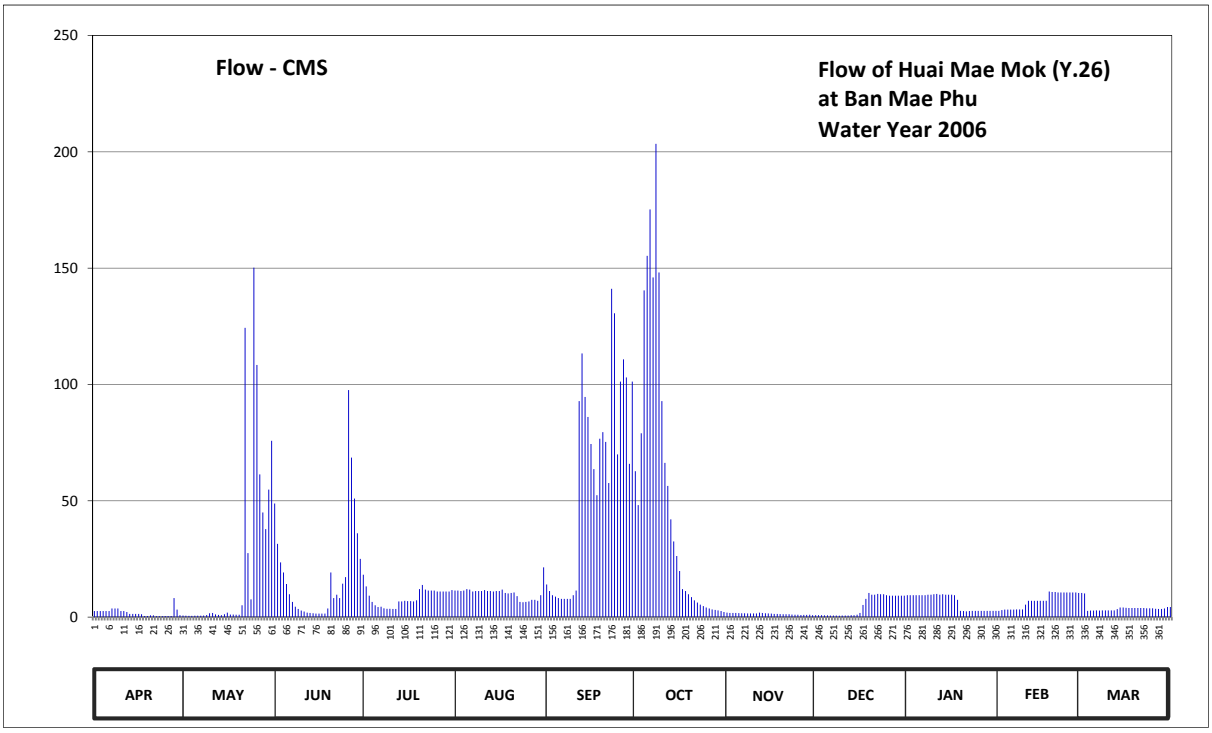
**Location : on left bank downstream from Ban Mae Phu Tambon Wiang Mok.**

| | | | |
|---|---|---|---|
| | **Ban** Mae Phu | **Amphoe** Thoen | **Changwat** Lampang |
| **Drainge Area** | 784 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +100.380 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | In front of gage observer's house. | | **Elevation** +108.388 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1979 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1979 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1979 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101.26 | 100.93 | 103.31 | 102.16 | 101.82 | 101.95 | 103.66 | 101.18 | 100.97 | 101.72 | 101.27 | 101.77 | |
| 2 | 101.26 | 100.92 | 102.74 | 101.91 | 101.82 | 101.81 | 103.29 | 101.16 | 100.97 | 101.72 | 101.30 | 101.76 | |
| 3 | 101.26 | 100.91 | 102.42 | 101.71 | 101.81 | 101.72 | 104.02 | 101.15 | 100.96 | 101.72 | 101.32 | 101.27 | |
| 4 | 101.26 | 100.91 | 102.21 | 101.57 | 101.82 | 101.69 | 105.02 | 101.15 | 100.95 | 101.72 | 101.32 | 101.28 | |
| 5 | 101.26 | 100.92 | 101.96 | 101.47 | 101.85 | 101.66 | 105.23 | 101.14 | 100.95 | 101.72 | 101.32 | 101.28 | |
| 6 | 101.26 | 100.92 | 101.74 | 101.42 | 101.84 | 101.64 | 105.49 | 101.13 | 100.94 | 101.72 | 101.32 | 101.29 | |
| 7 | 101.37 | 100.92 | 101.57 | 101.43 | 101.80 | 101.64 | 105.10 | 101.13 | 100.93 | 101.72 | 101.33 | 101.28 | |
| 8 | 101.37 | 100.93 | 101.43 | 101.38 | 101.81 | 101.64 | 105.84 | 101.12 | 100.93 | 101.73 | 101.33 | 101.29 | |
| 9 | 101.37 | 100.98 | 101.35 | 101.36 | 101.81 | 101.64 | 105.13 | 101.12 | 100.92 | 101.73 | 101.33 | 101.29 | |
| 10 | 101.26 | 101.13 | 101.28 | 101.36 | 101.81 | 101.72 | 104.28 | 101.11 | 100.93 | 101.74 | 101.49 | 101.29 | |
| 11 | 101.26 | 101.16 | 101.24 | 101.35 | 101.83 | 101.82 | 103.74 | 101.11 | 100.94 | 101.75 | 101.60 | 101.29 | |
| 12 | 101.22 | 101.03 | 101.19 | 101.35 | 101.81 | 104.28 | 103.51 | 101.19 | 100.94 | 101.73 | 101.60 | 101.29 | |
| 13 | 101.08 | 100.99 | 101.16 | 101.58 | 101.81 | 104.62 | 103.10 | 101.16 | 100.96 | 101.74 | 101.60 | 101.34 | |
| 14 | 101.08 | 100.97 | 101.13 | 101.58 | 101.80 | 104.31 | 102.78 | 101.13 | 100.96 | 101.73 | 101.60 | 101.41 | |
| 15 | 101.08 | 101.04 | 101.10 | 101.60 | 101.81 | 104.16 | 102.53 | 101.11 | 101.01 | 101.73 | 101.60 | 101.41 | |
| 16 | 101.08 | 101.18 | 101.10 | 101.59 | 101.81 | 103.92 | 102.24 | 101.10 | 101.15 | 101.73 | 101.60 | 101.40 | |
| 17 | 101.04 | 101.02 | 101.10 | 101.59 | 101.84 | 103.68 | 101.85 | 101.08 | 101.48 | 101.72 | 101.60 | 101.39 | |
| 18 | 100.90 | 101.02 | 101.10 | 101.58 | 101.77 | 103.41 | 101.81 | 101.08 | 101.64 | 101.62 | 101.80 | 101.39 | |
| 19 | 100.90 | 101.01 | 101.37 | 101.61 | 101.76 | 103.97 | 101.74 | 101.06 | 101.77 | 101.27 | 101.79 | 101.39 | |
| 20 | 100.95 | 101.00 | 102.21 | 101.85 | 101.77 | 104.03 | 101.68 | 101.05 | 101.73 | 101.26 | 101.79 | 101.39 | |
| 21 | 100.95 | 101.47 | 101.66 | 101.94 | 101.78 | 103.94 | 101.61 | 101.05 | 101.73 | 101.25 | 101.78 | 101.39 | |
| 22 | 100.88 | 104.79 | 101.73 | 101.84 | 101.70 | 103.54 | 101.55 | 101.04 | 101.75 | 101.26 | 101.78 | 101.39 | |
| 23 | 100.88 | 102.58 | 101.66 | 101.82 | 101.57 | 105.03 | 101.49 | 101.02 | 101.74 | 101.27 | 101.78 | 101.38 | |
| 24 | 100.88 | 101.63 | 101.97 | 101.82 | 101.56 | 104.88 | 101.45 | 101.00 | 101.74 | 101.27 | 101.78 | 101.38 | |
| 25 | 100.89 | 105.16 | 102.11 | 101.82 | 101.57 | 103.82 | 101.41 | 101.00 | 101.72 | 101.27 | 101.78 | 101.38 | |
| 26 | 100.90 | 104.54 | 104.36 | 101.80 | 101.58 | 104.42 | 101.37 | 100.98 | 101.71 | 101.27 | 101.78 | 101.36 | |
| 27 | 100.90 | 103.63 | 103.79 | 101.80 | 101.62 | 104.58 | 101.33 | 100.99 | 101.71 | 101.27 | 101.78 | 101.35 | |
| 28 | 101.66 | 103.20 | 103.37 | 101.80 | 101.62 | 104.45 | 101.31 | 100.99 | 101.71 | 101.27 | 101.77 | 101.35 | |
| 29 | 101.32 | 102.96 | 102.90 | 101.80 | 101.60 | 103.73 | 101.29 | 101.00 | 101.71 | 101.27 | | 101.37 | |
| 30 | 100.97 | 103.47 | 102.48 | 101.80 | 101.72 | 104.42 | 101.26 | 100.97 | 101.71 | 101.27 | | 101.42 | |
| 31 | | 103.95 | | 101.83 | 102.32 | | 101.22 | | 101.71 | 101.27 | | 101.42 | |
| Mean | 101.13 | 101.85 | 101.96 | 101.66 | 101.77 | 103.27 | 102.82 | 101.08 | 101.32 | 101.53 | 101.58 | 101.38 | |
| Max | 101.66 | 105.16 | 104.36 | 102.16 | 102.32 | 105.03 | 105.84 | 101.19 | 101.77 | 101.75 | 101.80 | 101.77 | 105.84 |
| Min | 100.88 | 100.91 | 101.10 | 101.35 | 101.56 | 101.64 | 101.22 | 100.97 | 100.92 | 101.25 | 101.27 | 101.27 | 100.88 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 105.93 | m. (MSL.) , | at 09.00 Hours , on Oct 8, 2006 | | |
| Zero Gage at Bottom Elevation | 100.38 | m. (MSL.) , | River Bed | 100.42 | m. (MSL.) |
| Left Bank Elevation | 107.54 | m. (MSL.) , | | | |
| Right Bank Elevation | 108.13 | m. (MSL.) , | Drainage Are | 784 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.60 | 0.65 | 48.85 | 18.20 | 11.40 | 14.00 | 62.70 | 1.90 | 0.85 | 9.40 | 2.70 | 10.40 | | |
| 2 | 2.60 | 0.60 | 31.50 | 13.20 | 11.40 | 11.20 | 48.15 | 1.80 | 0.85 | 9.40 | 3.00 | 10.20 | | |
| 3 | 2.60 | 0.55 | 23.50 | 9.20 | 11.20 | 9.40 | 79.00 | 1.75 | 0.80 | 9.40 | 3.20 | 2.70 | | |
| 4 | 2.60 | 0.55 | 19.20 | 6.55 | 11.40 | 8.80 | 140.40 | 1.75 | 0.75 | 9.40 | 3.20 | 2.80 | | |
| 5 | 2.60 | 0.60 | 14.20 | 5.05 | 12.00 | 8.20 | 155.25 | 1.70 | 0.75 | 9.40 | 3.20 | 2.80 | | |
| 6 | 2.60 | 0.60 | 9.80 | 4.30 | 11.80 | 7.80 | 175.20 | 1.65 | 0.70 | 9.40 | 3.20 | 2.90 | | |
| 7 | 3.70 | 0.60 | 6.55 | 4.45 | 11.00 | 7.80 | 146.00 | 1.65 | 0.65 | 9.40 | 3.30 | 2.80 | | |
| 8 | 3.70 | 0.65 | 4.45 | 3.80 | 11.20 | 7.80 | 203.40 | 1.60 | 0.65 | 9.60 | 3.30 | 2.90 | | |
| 9 | 3.70 | 0.90 | 3.50 | 3.60 | 11.20 | 7.80 | 148.10 | 1.60 | 0.60 | 9.60 | 3.30 | 2.90 | | |
| 10 | 2.60 | 1.65 | 2.80 | 3.60 | 11.20 | 9.40 | 92.80 | 1.55 | 0.65 | 9.80 | 5.35 | 2.90 | | |
| 11 | 2.60 | 1.80 | 2.40 | 3.50 | 11.60 | 11.40 | 66.30 | 1.55 | 0.70 | 10.00 | 7.00 | 2.90 | | |
| 12 | 2.20 | 1.15 | 1.95 | 3.50 | 11.20 | 92.80 | 56.40 | 1.95 | 0.70 | 9.60 | 7.00 | 2.90 | | |
| 13 | 1.40 | 0.95 | 1.80 | 6.70 | 11.20 | 113.30 | 42.00 | 1.80 | 0.80 | 9.80 | 7.00 | 3.40 | | |
| 14 | 1.40 | 0.85 | 1.65 | 6.70 | 11.00 | 94.60 | 32.50 | 1.65 | 0.80 | 9.60 | 7.00 | 4.15 | | |
| 15 | 1.40 | 1.20 | 1.50 | 7.00 | 11.20 | 86.00 | 26.25 | 1.55 | 1.05 | 9.60 | 7.00 | 4.15 | | |
| 16 | 1.40 | 1.90 | 1.50 | 6.85 | 11.20 | 74.40 | 19.80 | 1.50 | 1.75 | 9.60 | 7.00 | 4.00 | | |
| 17 | 1.20 | 1.10 | 1.50 | 6.85 | 11.80 | 63.60 | 12.00 | 1.40 | 5.20 | 9.40 | 7.00 | 3.90 | | |
| 18 | 0.50 | 1.10 | 1.50 | 6.70 | 10.40 | 52.40 | 11.20 | 1.40 | 7.80 | 7.40 | 11.00 | 3.90 | | |
| 19 | 0.50 | 1.05 | 3.70 | 7.20 | 10.20 | 76.65 | 9.80 | 1.30 | 10.40 | 2.70 | 10.80 | 3.90 | | |
| 20 | 0.75 | 1.00 | 19.20 | 12.00 | 10.40 | 79.50 | 8.60 | 1.25 | 9.60 | 2.60 | 10.80 | 3.90 | | |
| 21 | 0.75 | 5.05 | 8.20 | 13.80 | 10.60 | 75.30 | 7.20 | 1.25 | 9.60 | 2.50 | 10.60 | 3.90 | | |
| 22 | 0.40 | 124.35 | 9.60 | 11.80 | 9.00 | 57.60 | 6.25 | 1.20 | 10.00 | 2.60 | 10.60 | 3.90 | | |
| 23 | 0.40 | 27.50 | 8.20 | 11.40 | 6.55 | 141.10 | 5.35 | 1.10 | 9.80 | 2.70 | 10.60 | 3.80 | | |
| 24 | 0.40 | 7.60 | 14.40 | 11.40 | 6.40 | 130.60 | 4.75 | 1.00 | 9.80 | 2.70 | 10.60 | 3.80 | | |
| 25 | 0.45 | 150.20 | 17.20 | 11.40 | 6.55 | 69.90 | 4.15 | 1.00 | 9.40 | 2.70 | 10.60 | 3.80 | | |
| 26 | 0.50 | 108.40 | 97.60 | 11.00 | 6.70 | 101.20 | 3.70 | 0.90 | 9.20 | 2.70 | 10.60 | 3.60 | | |
| 27 | 0.50 | 61.35 | 68.55 | 11.00 | 7.40 | 110.80 | 3.30 | 0.95 | 9.20 | 2.70 | 10.60 | 3.50 | | |
| 28 | 8.20 | 45.00 | 50.95 | 11.00 | 7.40 | 103.00 | 3.10 | 0.95 | 9.20 | 2.70 | 10.40 | 3.50 | | |
| 29 | 3.20 | 37.80 | 36.00 | 11.00 | 7.00 | 65.85 | 2.90 | 1.00 | 9.20 | 2.70 | | 3.70 | | |
| 30 | 0.85 | 54.80 | 25.00 | 11.00 | 9.40 | 101.20 | 2.60 | 0.85 | 9.20 | 2.70 | | 4.30 | | |
| 31 | | 75.75 | | 11.60 | 21.40 | | 2.20 | | 9.20 | 2.70 | | 4.30 | | |
| Total | 58.30 | 717.25 | 536.75 | 265.35 | 322.40 | 1793.40 | 1581.35 | 42.50 | 149.85 | 204.50 | 199.95 | 122.50 | 5994.10 | CMSDAY |
| Mean | 1.94 | 23.14 | 17.89 | 8.56 | 10.40 | 59.78 | 51.01 | 1.42 | 4.83 | 6.60 | 7.14 | 3.95 | 16.42 | CMS |
| Max | 8.20 | 150.20 | 97.60 | 18.20 | 21.40 | 141.10 | 203.40 | 1.95 | 10.40 | 10.00 | 11.00 | 10.40 | 203.40 | CMS |
| Min | 0.40 | 0.55 | 1.50 | 3.50 | 6.40 | 7.80 | 2.20 | 0.85 | 0.60 | 2.50 | 2.70 | 2.70 | 0.40 | CMS |
| Runoff | 5.04 | 61.97 | 46.38 | 22.93 | 27.86 | 154.95 | 136.63 | 3.67 | 12.95 | 17.67 | 17.28 | 10.58 | 517.89 | MCM |

Momentary Peak 211.05 CMS. at 105.93 m. (MSL.) at 09.00 Hours , on Oct 8, 2006

Runoff Yield 20.95 Liters/Second/Square KM. Momentary Peak Yield 269.20 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Huai Mae Phuak at Ban Pak Phuak, Phrae (Y.27)

Lat 17 - 58 - 20 N Long 100 - 04 - 04 E

**Location : on right bank at the bridge near the College of Agriculture.**

| | | | |
|---|---|---|---|
| | **Ban** Pak Phuak | **Amphoe** Den Chai | **Changwat** Phrae |
| **Drainge Area** | 229 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the abutment of the bridge. | **Elevation** | +8.340 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1982 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. The weir situated about 3 kilometers above gage site.<br>Stage-discharge relation defined by 18 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

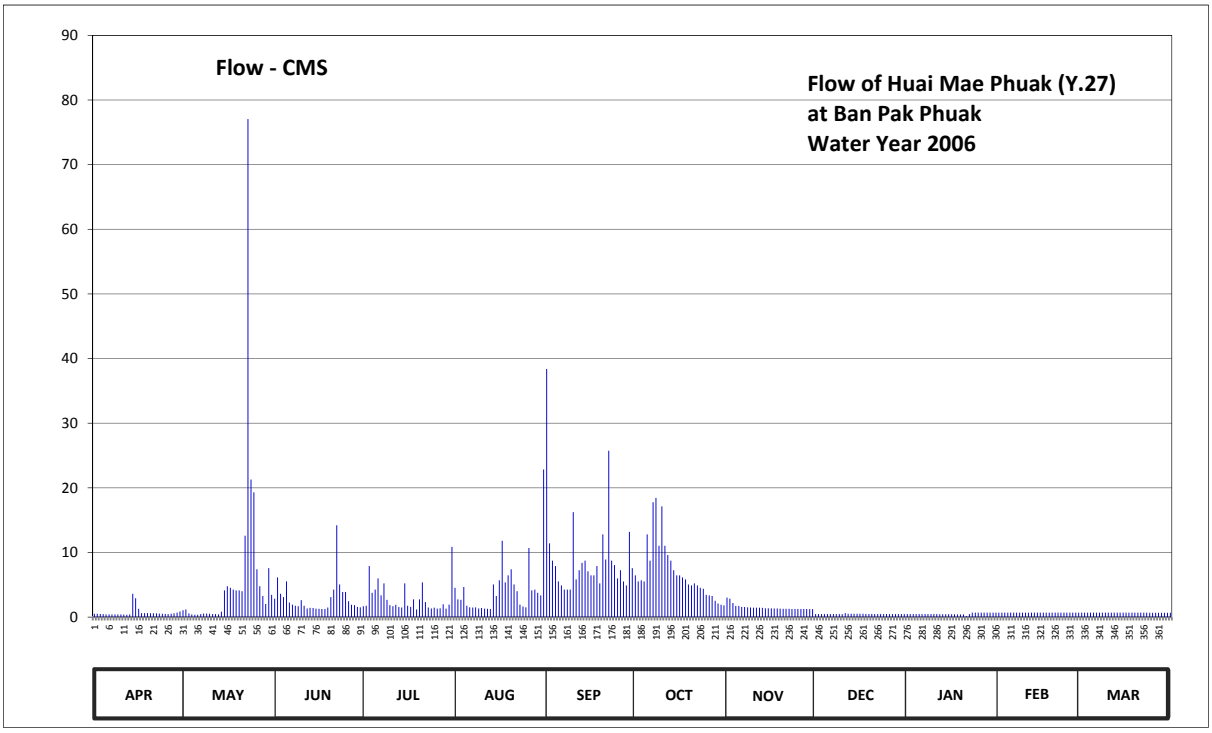
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.40 | 1.11 | 1.51 | 1.32 | 1.67 | 3.27 | 1.80 | 1.53 | 0.80 | 0.80 | 1.63 | 1.62 | |
| 2 | 1.39 | 1.16 | 1.78 | 1.34 | 1.50 | 2.09 | 1.74 | 1.51 | 0.80 | 0.79 | 1.63 | 1.62 | |
| 3 | 1.37 | 0.86 | 1.60 | 1.89 | 1.49 | 1.94 | 1.75 | 1.42 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 4 | 1.34 | 0.76 | 1.54 | 1.61 | 1.68 | 1.89 | 1.74 | 1.33 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 5 | 1.28 | 0.72 | 1.74 | 1.65 | 1.34 | 1.74 | 2.16 | 1.33 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 6 | 1.28 | 0.71 | 1.43 | 1.77 | 1.28 | 1.70 | 1.94 | 1.30 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 7 | 1.28 | 0.80 | 1.38 | 1.57 | 1.27 | 1.65 | 2.40 | 1.29 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 8 | 1.28 | 0.84 | 1.34 | 1.72 | 1.28 | 1.65 | 2.43 | 1.28 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 9 | 1.27 | 0.84 | 1.32 | 1.49 | 1.22 | 1.65 | 2.07 | 1.27 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 10 | 1.25 | 0.82 | 1.48 | 1.36 | 1.24 | 2.33 | 2.37 | 1.26 | 0.80 | 0.78 | 1.63 | 1.61 | |
| 11 | 1.24 | 0.80 | 1.34 | 1.32 | 1.21 | 1.76 | 2.07 | 1.26 | 0.89 | 0.78 | 1.63 | 1.61 | |
| 12 | 1.21 | 0.79 | 1.22 | 1.37 | 1.20 | 1.85 | 1.99 | 1.26 | 0.83 | 0.77 | 1.63 | 1.61 | |
| 13 | 1.27 | 0.76 | 1.25 | 1.29 | 1.19 | 1.92 | 1.94 | 1.25 | 0.83 | 0.77 | 1.63 | 1.61 | |
| 14 | 1.60 | 1.02 | 1.24 | 1.27 | 1.71 | 1.94 | 1.85 | 1.23 | 0.83 | 0.77 | 1.63 | 1.61 | |
| 15 | 1.52 | 1.64 | 1.21 | 1.72 | 1.56 | 1.84 | 1.80 | 1.23 | 0.83 | 0.77 | 1.63 | 1.61 | |
| 16 | 1.20 | 1.69 | 1.20 | 1.34 | 1.75 | 1.80 | 1.80 | 1.23 | 0.82 | 0.77 | 1.63 | 1.61 | |
| 17 | 0.90 | 1.67 | 1.19 | 1.30 | 2.11 | 1.80 | 1.78 | 1.22 | 0.82 | 0.77 | 1.63 | 1.61 | |
| 18 | 0.89 | 1.65 | 1.19 | 1.50 | 1.73 | 1.89 | 1.76 | 1.22 | 0.81 | 0.76 | 1.63 | 1.61 | |
| 19 | 0.89 | 1.64 | 1.27 | 1.16 | 1.80 | 1.72 | 1.71 | 1.21 | 0.80 | 0.76 | 1.63 | 1.61 | |
| 20 | 0.87 | 1.64 | 1.54 | 1.50 | 1.86 | 2.16 | 1.70 | 1.20 | 0.81 | 0.76 | 1.63 | 1.61 | |
| 21 | 0.87 | 1.63 | 1.65 | 1.73 | 1.71 | 1.95 | 1.72 | 1.20 | 0.80 | 0.83 | 1.63 | 1.60 | |
| 22 | 0.87 | 2.15 | 2.23 | 1.44 | 1.63 | 2.76 | 1.70 | 1.20 | 0.80 | 1.32 | 1.63 | 1.60 | |
| 23 | 0.85 | 4.58 | 1.71 | 1.27 | 1.38 | 1.94 | 1.67 | 1.19 | 0.80 | 1.63 | 1.63 | 1.60 | |
| 24 | 0.83 | 2.56 | 1.62 | 1.22 | 1.31 | 1.90 | 1.66 | 1.19 | 0.80 | 1.63 | 1.63 | 1.59 | |
| 25 | 0.81 | 2.47 | 1.62 | 1.26 | 1.28 | 1.77 | 1.58 | 1.19 | 0.80 | 1.63 | 1.63 | 1.59 | |
| 26 | 0.80 | 1.86 | 1.46 | 1.21 | 2.05 | 1.85 | 1.57 | 1.19 | 0.80 | 1.63 | 1.63 | 1.59 | |
| 27 | 0.83 | 1.69 | 1.37 | 1.23 | 1.64 | 1.74 | 1.56 | 1.19 | 0.80 | 1.63 | 1.63 | 1.59 | |
| 28 | 0.87 | 1.56 | 1.36 | 1.39 | 1.65 | 1.70 | 1.47 | 1.19 | 0.80 | 1.63 | 1.63 | 1.59 | |
| 29 | 0.94 | 1.40 | 1.30 | 1.21 | 1.61 | 2.18 | 1.41 | 1.18 | 0.80 | 1.63 | | 1.59 | |
| 30 | 1.03 | 1.87 | 1.28 | 1.38 | 1.57 | 1.87 | 1.37 | 1.18 | 0.80 | 1.63 | | 1.59 | |
| 31 | | 1.58 | | 2.06 | 2.63 | | 1.35 | | 0.80 | 1.63 | | 1.59 | |
| Mean | 1.11 | 1.46 | 1.45 | 1.45 | 1.57 | 1.94 | 1.80 | 1.26 | 0.81 | 1.04 | 1.63 | 1.60 | |
| Max | 1.60 | 4.58 | 2.23 | 2.06 | 2.63 | 3.27 | 2.43 | 1.53 | 0.89 | 1.63 | 1.63 | 1.62 | 4.58 |
| Min | 0.80 | 0.71 | 1.19 | 1.16 | 1.19 | 1.65 | 1.35 | 1.18 | 0.80 | 0.76 | 1.63 | 1.59 | 0.71 |

Annual Max Momentary Gage Height 6.67 m. (A.D.) , at 06.00 Hours , on May 23, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.76 m. (A.D.)

Left Bank Elevation 8.81 m. (A.D.) ,

Right Bank Elevation 8.33 m. (A.D.) , Drainage Are 229 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.52 | 1.06 | 2.84 | 1.67 | 4.52 | 38.39 | 6.45 | 3.01 | 0.48 | 0.48 | 0.70 | 0.70 | | |
| 2 | 0.51 | 1.18 | 6.14 | 1.76 | 2.75 | 11.42 | 5.52 | 2.84 | 0.48 | 0.47 | 0.70 | 0.70 | | |
| 3 | 0.50 | 0.56 | 3.62 | 7.89 | 2.68 | 8.74 | 5.68 | 2.17 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 4 | 0.47 | 0.43 | 3.10 | 3.75 | 4.64 | 7.89 | 5.52 | 1.72 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 5 | 0.43 | 0.38 | 5.52 | 4.26 | 1.76 | 5.52 | 12.80 | 1.72 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 6 | 0.43 | 0.37 | 2.25 | 5.99 | 1.52 | 4.90 | 8.74 | 1.58 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 7 | 0.43 | 0.48 | 1.94 | 3.36 | 1.49 | 4.26 | 17.78 | 1.55 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 8 | 0.43 | 0.54 | 1.76 | 5.21 | 1.52 | 4.26 | 18.44 | 1.52 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 9 | 0.42 | 0.54 | 1.67 | 2.68 | 1.34 | 4.26 | 11.05 | 1.49 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 10 | 0.41 | 0.51 | 2.61 | 1.85 | 1.40 | 16.25 | 17.13 | 1.46 | 0.48 | 0.46 | 0.70 | 0.69 | | |
| 11 | 0.40 | 0.48 | 1.76 | 1.67 | 1.31 | 5.83 | 11.05 | 1.46 | 0.61 | 0.46 | 0.70 | 0.69 | | |
| 12 | 0.38 | 0.47 | 1.34 | 1.90 | 1.28 | 7.25 | 9.61 | 1.46 | 0.52 | 0.44 | 0.70 | 0.69 | | |
| 13 | 0.42 | 0.43 | 1.43 | 1.55 | 1.26 | 8.40 | 8.74 | 1.43 | 0.52 | 0.44 | 0.70 | 0.69 | | |
| 14 | 3.62 | 0.85 | 1.40 | 1.49 | 5.06 | 8.74 | 7.25 | 1.37 | 0.52 | 0.44 | 0.70 | 0.69 | | |
| 15 | 2.92 | 4.13 | 1.31 | 5.21 | 3.27 | 7.09 | 6.45 | 1.37 | 0.52 | 0.44 | 0.70 | 0.69 | | |
| 16 | 1.28 | 4.77 | 1.28 | 1.76 | 5.68 | 6.45 | 6.45 | 1.37 | 0.51 | 0.44 | 0.70 | 0.69 | | |
| 17 | 0.62 | 4.52 | 1.26 | 1.58 | 11.80 | 6.45 | 6.14 | 1.34 | 0.51 | 0.44 | 0.70 | 0.69 | | |
| 18 | 0.61 | 4.26 | 1.26 | 2.75 | 5.37 | 7.89 | 5.83 | 1.34 | 0.49 | 0.43 | 0.70 | 0.69 | | |
| 19 | 0.61 | 4.13 | 1.49 | 1.18 | 6.45 | 5.21 | 5.06 | 1.31 | 0.48 | 0.43 | 0.70 | 0.69 | | |
| 20 | 0.58 | 4.13 | 3.10 | 2.75 | 7.41 | 12.80 | 4.90 | 1.28 | 0.49 | 0.43 | 0.70 | 0.69 | | |
| 21 | 0.58 | 4.00 | 4.26 | 5.37 | 5.06 | 8.92 | 5.21 | 1.28 | 0.48 | 0.15 | 0.70 | 0.68 | | |
| 22 | 0.58 | 12.60 | 14.20 | 2.32 | 4.00 | 25.75 | 4.90 | 1.28 | 0.48 | 0.46 | 0.70 | 0.68 | | |
| 23 | 0.55 | 77.06 | 5.06 | 1.49 | 1.94 | 8.74 | 4.52 | 1.26 | 0.48 | 0.70 | 0.70 | 0.68 | | |
| 24 | 0.52 | 21.30 | 3.88 | 1.34 | 1.63 | 8.05 | 4.39 | 1.26 | 0.48 | 0.70 | 0.70 | 0.67 | | |
| 25 | 0.49 | 19.32 | 3.88 | 1.46 | 1.52 | 5.99 | 3.45 | 1.26 | 0.48 | 0.70 | 0.70 | 0.67 | | |
| 26 | 0.48 | 7.41 | 2.46 | 1.31 | 10.69 | 7.25 | 3.36 | 1.26 | 0.48 | 0.70 | 0.70 | 0.67 | | |
| 27 | 0.52 | 4.77 | 1.90 | 1.37 | 4.13 | 5.52 | 3.27 | 1.26 | 0.48 | 0.70 | 0.70 | 0.67 | | |
| 28 | 0.58 | 3.27 | 1.85 | 1.99 | 4.26 | 4.90 | 2.53 | 1.26 | 0.48 | 0.70 | 0.70 | 0.67 | | |
| 29 | 0.69 | 2.03 | 1.58 | 1.31 | 3.75 | 13.20 | 2.10 | 1.23 | 0.48 | 0.70 | | 0.67 | | |
| 30 | 0.87 | 7.57 | 1.52 | 1.94 | 3.36 | 7.57 | 1.90 | 1.23 | 0.48 | 0.70 | | 0.67 | | |
| 31 | | 3.45 | | 10.87 | 22.85 | | 1.81 | | 0.48 | 0.70 | | 0.67 | | |
| Total | 21.85 | 197.00 | 87.67 | 91.03 | 135.70 | 277.89 | 218.03 | 45.37 | 15.25 | 15.93 | 19.60 | 21.22 | 1146.54 | CMSDAY |
| Mean | 0.73 | 6.35 | 2.92 | 2.94 | 4.38 | 9.26 | 7.03 | 1.51 | 0.49 | 0.51 | 0.70 | 0.68 | 3.14 | CMS |
| Max | 3.62 | 77.06 | 14.20 | 10.87 | 22.85 | 38.39 | 18.44 | 3.01 | 0.61 | 0.70 | 0.70 | 0.70 | 77.06 | CMS |
| Min | 0.38 | 0.37 | 1.26 | 1.18 | 1.26 | 4.26 | 1.81 | 1.23 | 0.48 | 0.15 | 0.70 | 0.67 | 0.15 | CMS |
| Runoff | 1.89 | 17.02 | 7.57 | 7.86 | 11.72 | 24.01 | 18.84 | 3.92 | 1.32 | 1.38 | 1.69 | 1.83 | 99.06 | MCM |

Momentary Peak 145.61 CMS. at 6.67 m. (A.D.) at 06.00 Hours , on May 23, 2006

Runoff Yield 13.72 Liters/Second/Square KM. Momentary Peak Yield 635.85 Liters/Second/Square KM.

## WATER YEAR : 2006

## Yom RIVER BASIN

### Huai Mae Hu at Ban Mae Hu , Sukhothai (Y.29)

Lat 17 - 42 - 09 N Long 99 - 44 - 25 E

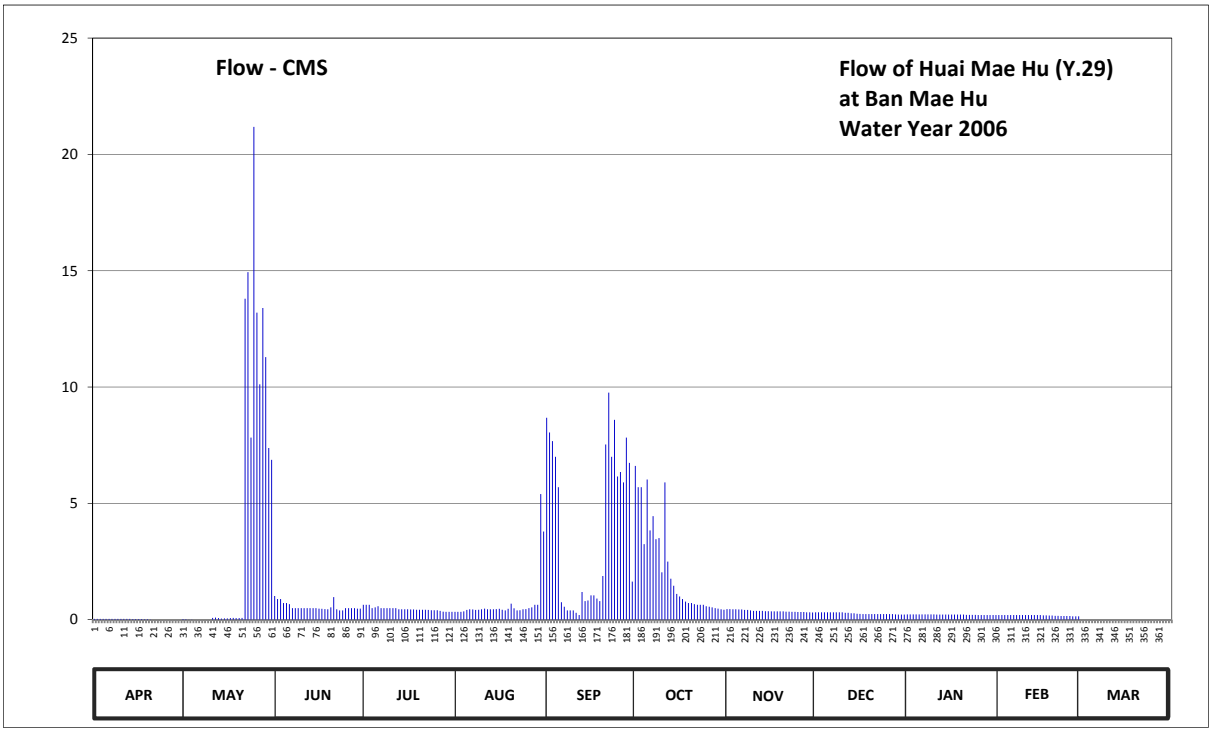
**Location : on left bank at Ban Mae Hu.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Ban** Mae Hu | | **Amphoe** Si Satchanalai | | **Changwat** Sukhothai | |
| **Drainge Area** | 57 | sq.km. | | | | |
| **Type of Gage** | Staff gage | | | | | |
| **Zero Gage at Bottom** | +0.000 | m. (A.D.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | | |
| **Location BM** | On left bank near the gage site. | | | | **Elevation** | +5.000 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | | | | |
| **Period of Available Gage Records** | 1983 to date | | | | | |
| **Rating Operation** | | | | | | |
| **Period of Rating** | 1983 to date | | | | | |
| **Rated by Flot** | - | | | | | |
| **Rated by Current Meter** | 1983 to date | | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 17 discharge measurements made in 2006. | | | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.08 | 0.05 | 0.79 | 0.65 | 0.44 | 2.22 | 1.94 | 0.56 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 2 | 0.08 | 0.03 | 0.74 | 0.65 | 0.44 | 2.14 | 1.80 | 0.56 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 3 | 0.08 | 0.02 | 0.74 | 0.65 | 0.44 | 2.09 | 1.80 | 0.55 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 4 | 0.08 | 0.02 | 0.68 | 0.60 | 0.46 | 2.00 | 1.37 | 0.55 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 5 | 0.08 | 0.00 | 0.68 | 0.61 | 0.52 | 1.80 | 1.85 | 0.54 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 6 | 0.08 | 0.00 | 0.66 | 0.63 | 0.55 | 0.69 | 1.48 | 0.54 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 7 | 0.08 | 0.00 | 0.60 | 0.60 | 0.54 | 0.62 | 1.59 | 0.52 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 8 | 0.08 | 0.00 | 0.60 | 0.60 | 0.52 | 0.50 | 1.41 | 0.52 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 9 | 0.08 | 0.00 | 0.60 | 0.60 | 0.53 | 0.50 | 1.42 | 0.50 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 10 | 0.08 | 0.00 | 0.60 | 0.60 | 0.55 | 0.50 | 1.11 | 0.48 | 0.42 | 0.33 | 0.30 | -0.25 | |
| 11 | 0.07 | 0.16 | 0.60 | 0.60 | 0.58 | 0.40 | 1.83 | 0.48 | 0.40 | 0.32 | 0.30 | -0.25 | |
| 12 | 0.07 | 0.18 | 0.60 | 0.60 | 0.55 | 0.30 | 1.22 | 0.48 | 0.40 | 0.32 | 0.30 | -0.25 | |
| 13 | 0.07 | 0.14 | 0.60 | 0.55 | 0.55 | 0.85 | 1.04 | 0.48 | 0.38 | 0.32 | 0.30 | -0.25 | |
| 14 | 0.06 | 0.10 | 0.60 | 0.55 | 0.55 | 0.71 | 0.95 | 0.47 | 0.38 | 0.32 | 0.30 | -0.25 | |
| 15 | 0.06 | 0.12 | 0.60 | 0.55 | 0.56 | 0.72 | 0.82 | 0.47 | 0.36 | 0.32 | 0.30 | -0.25 | |
| 16 | 0.05 | 0.12 | 0.58 | 0.55 | 0.57 | 0.80 | 0.78 | 0.46 | 0.35 | 0.32 | 0.29 | -0.25 | |
| 17 | 0.05 | 0.14 | 0.57 | 0.54 | 0.53 | 0.80 | 0.74 | 0.46 | 0.34 | 0.32 | 0.29 | -0.25 | |
| 18 | 0.04 | 0.15 | 0.56 | 0.54 | 0.50 | 0.75 | 0.70 | 0.46 | 0.34 | 0.32 | 0.28 | -0.25 | |
| 19 | 0.04 | 0.13 | 0.55 | 0.53 | 0.57 | 0.71 | 0.68 | 0.46 | 0.34 | 0.32 | 0.28 | -0.25 | |
| 20 | 0.02 | 0.13 | 0.61 | 0.53 | 0.67 | 1.07 | 0.68 | 0.46 | 0.34 | 0.32 | 0.27 | -0.25 | |
| 21 | 0.00 | 0.15 | 0.77 | 0.53 | 0.59 | 2.07 | 0.66 | 0.45 | 0.34 | 0.31 | 0.27 | -0.25 | |
| 22 | 0.00 | 2.77 | 0.55 | 0.53 | 0.50 | 2.34 | 0.65 | 0.45 | 0.34 | 0.31 | 0.26 | -0.25 | |
| 23 | 0.00 | 2.88 | 0.50 | 0.52 | 0.51 | 2.00 | 0.65 | 0.44 | 0.34 | 0.31 | 0.26 | -0.25 | |
| 24 | 0.00 | 2.11 | 0.50 | 0.51 | 0.55 | 2.21 | 0.65 | 0.44 | 0.34 | 0.31 | 0.26 | -0.25 | |
| 25 | -0.01 | 3.42 | 0.60 | 0.51 | 0.56 | 1.87 | 0.63 | 0.43 | 0.34 | 0.30 | 0.26 | -0.25 | |
| 26 | -0.02 | 2.71 | 0.60 | 0.51 | 0.60 | 1.90 | 0.62 | 0.43 | 0.34 | 0.30 | 0.25 | -0.25 | |
| 27 | -0.02 | 2.38 | 0.60 | 0.48 | 0.61 | 1.83 | 0.61 | 0.43 | 0.34 | 0.30 | 0.25 | -0.25 | |
| 28 | -0.02 | 2.73 | 0.60 | 0.45 | 0.65 | 2.11 | 0.60 | 0.42 | 0.33 | 0.30 | 0.25 | -0.25 | |
| 29 | -0.02 | 2.51 | 0.58 | 0.44 | 0.65 | 1.96 | 0.58 | 0.42 | 0.32 | 0.30 | | -0.25 | |
| 30 | -0.02 | 2.05 | 0.58 | 0.44 | 1.75 | 1.01 | 0.55 | 0.41 | 0.32 | 0.30 | | -0.25 | |
| 31 | | 1.98 | | 0.44 | 1.47 | | 0.53 | | 0.32 | 0.30 | | -0.25 | |
| Mean | 0.04 | 0.88 | 0.61 | 0.55 | 0.61 | 1.32 | 1.03 | 0.48 | 0.37 | 0.32 | 0.28 | -0.25 | |
| Max | 0.08 | 3.42 | 0.79 | 0.65 | 1.75 | 2.34 | 1.94 | 0.56 | 0.42 | 0.33 | 0.30 | -0.25 | 3.42 |
| Min | -0.02 | 0.00 | 0.50 | 0.44 | 0.44 | 0.30 | 0.53 | 0.41 | 0.32 | 0.30 | 0.25 | -0.25 | -0.25 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 3.80 | m. (A.D.) , | at 18.00 Hours , on May 24, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | -0.11 | m. (A.D.) |
| Left Bank Elevation | 4.32 | m. (A.D.) , | | | |
| Right Bank Elevation | 4.28 | m. (A.D.) , | Drainage Are | 57 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.04 | 0.03 | 1.02 | 0.64 | 0.34 | 8.68 | 6.61 | 0.46 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 2 | 0.04 | 0.02 | 0.89 | 0.64 | 0.34 | 8.05 | 5.70 | 0.46 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 3 | 0.04 | 0.01 | 0.89 | 0.64 | 0.34 | 7.68 | 5.70 | 0.45 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 4 | 0.04 | 0.01 | 0.72 | 0.50 | 0.36 | 7.00 | 3.25 | 0.45 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 5 | 0.04 | 0.00 | 0.72 | 0.53 | 0.42 | 5.70 | 6.03 | 0.44 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 6 | 0.04 | 0.00 | 0.67 | 0.58 | 0.45 | 0.75 | 3.84 | 0.44 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 7 | 0.04 | 0.00 | 0.50 | 0.50 | 0.44 | 0.56 | 4.45 | 0.42 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 8 | 0.04 | 0.00 | 0.50 | 0.50 | 0.42 | 0.40 | 3.46 | 0.42 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 9 | 0.04 | 0.00 | 0.50 | 0.50 | 0.43 | 0.40 | 3.51 | 0.40 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 10 | 0.04 | 0.00 | 0.50 | 0.50 | 0.45 | 0.40 | 2.04 | 0.38 | 0.32 | 0.23 | 0.20 | 0.00 | | |
| 11 | 0.04 | 0.08 | 0.50 | 0.50 | 0.48 | 0.30 | 5.90 | 0.38 | 0.30 | 0.22 | 0.20 | 0.00 | | |
| 12 | 0.04 | 0.09 | 0.50 | 0.50 | 0.45 | 0.20 | 2.50 | 0.38 | 0.30 | 0.22 | 0.20 | 0.00 | | |
| 13 | 0.04 | 0.07 | 0.50 | 0.45 | 0.45 | 1.19 | 1.76 | 0.38 | 0.28 | 0.22 | 0.20 | 0.00 | | |
| 14 | 0.03 | 0.05 | 0.50 | 0.45 | 0.45 | 0.80 | 1.46 | 0.37 | 0.28 | 0.22 | 0.20 | 0.00 | | |
| 15 | 0.03 | 0.06 | 0.50 | 0.45 | 0.46 | 0.83 | 1.11 | 0.37 | 0.26 | 0.22 | 0.20 | 0.00 | | |
| 16 | 0.03 | 0.06 | 0.48 | 0.45 | 0.47 | 1.05 | 1.00 | 0.36 | 0.25 | 0.22 | 0.19 | 0.00 | | |
| 17 | 0.03 | 0.07 | 0.47 | 0.44 | 0.43 | 1.05 | 0.89 | 0.36 | 0.24 | 0.22 | 0.19 | 0.00 | | |
| 18 | 0.02 | 0.08 | 0.46 | 0.44 | 0.40 | 0.91 | 0.78 | 0.36 | 0.24 | 0.22 | 0.18 | 0.00 | | |
| 19 | 0.02 | 0.07 | 0.45 | 0.43 | 0.47 | 0.80 | 0.72 | 0.36 | 0.24 | 0.22 | 0.18 | 0.00 | | |
| 20 | 0.01 | 0.07 | 0.53 | 0.43 | 0.69 | 1.88 | 0.72 | 0.36 | 0.24 | 0.22 | 0.17 | 0.00 | | |
| 21 | 0.00 | 0.08 | 0.97 | 0.43 | 0.49 | 7.53 | 0.67 | 0.35 | 0.24 | 0.21 | 0.17 | 0.00 | | |
| 22 | 0.00 | 13.80 | 0.45 | 0.43 | 0.40 | 9.76 | 0.64 | 0.35 | 0.24 | 0.21 | 0.16 | 0.00 | | |
| 23 | 0.00 | 14.94 | 0.40 | 0.42 | 0.41 | 7.00 | 0.64 | 0.34 | 0.24 | 0.21 | 0.16 | 0.00 | | |
| 24 | 0.00 | 7.83 | 0.40 | 0.41 | 0.45 | 8.59 | 0.64 | 0.34 | 0.24 | 0.21 | 0.16 | 0.00 | | |
| 25 | 0.00 | 21.18 | 0.50 | 0.41 | 0.46 | 6.16 | 0.58 | 0.33 | 0.24 | 0.20 | 0.16 | 0.00 | | |
| 26 | 0.00 | 13.20 | 0.50 | 0.41 | 0.50 | 6.35 | 0.56 | 0.33 | 0.24 | 0.20 | 0.15 | 0.00 | | |
| 27 | 0.00 | 10.12 | 0.50 | 0.38 | 0.53 | 5.90 | 0.53 | 0.33 | 0.24 | 0.20 | 0.15 | 0.00 | | |
| 28 | 0.00 | 13.40 | 0.50 | 0.35 | 0.64 | 7.83 | 0.50 | 0.32 | 0.23 | 0.20 | 0.15 | 0.00 | | |
| 29 | 0.00 | 11.29 | 0.48 | 0.34 | 0.64 | 6.74 | 0.48 | 0.32 | 0.22 | 0.20 | | 0.00 | | |
| 30 | 0.00 | 7.38 | 0.48 | 0.34 | 5.40 | 1.64 | 0.45 | 0.31 | 0.22 | 0.20 | | 0.00 | | |
| 31 | | 6.87 | | 0.34 | 3.79 | | 0.43 | | 0.22 | 0.20 | | 0.00 | | |
| Total | 0.69 | 120.86 | 16.98 | 14.33 | 22.45 | 116.13 | 67.55 | 11.32 | 8.40 | 6.74 | 5.17 | 0.00 | 390.62 | CMSDAY |
| Mean | 0.02 | 3.90 | 0.57 | 0.46 | 0.72 | 3.87 | 2.18 | 0.38 | 0.27 | 0.22 | 0.18 | 0.00 | 1.07 | CMS |
| Max | 0.04 | 21.18 | 1.02 | 0.64 | 5.40 | 9.76 | 6.61 | 0.46 | 0.32 | 0.23 | 0.20 | 0.00 | 21.18 | CMS |
| Min | 0.00 | 0.00 | 0.40 | 0.34 | 0.34 | 0.20 | 0.43 | 0.31 | 0.22 | 0.20 | 0.15 | 0.00 | 0.00 | CMS |
| Runoff | 0.06 | 10.44 | 1.47 | 1.24 | 1.94 | 10.03 | 5.84 | 0.98 | 0.73 | 0.58 | 0.45 | 0.00 | 33.75 | MCM |

Momentary Peak 26.70 CMS. at 3.80 m. (A.D.) at 18.00 Hours , on May 24, 2006

Runoff Yield 18.78 Liters/Second/Square KM. Momentary Peak Yield 468.42 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Huai Pong at Ban Pong , Lampang (Y.30)

Lat 18 - 42 - 29 N Long 99 - 57 - 40 E

**Location : on right bank at the bridge on highway.**

**Ban** Pong **Amphoe** Ngao **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 325 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +265.630 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 25 meters from the top staff gage. **Elevation** +271.053 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1983 to date |
| **Rating Operation** | |
| **Period of Rating** | 1983 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1983 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. The carcass of the bridge is near the gage site.<br>Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

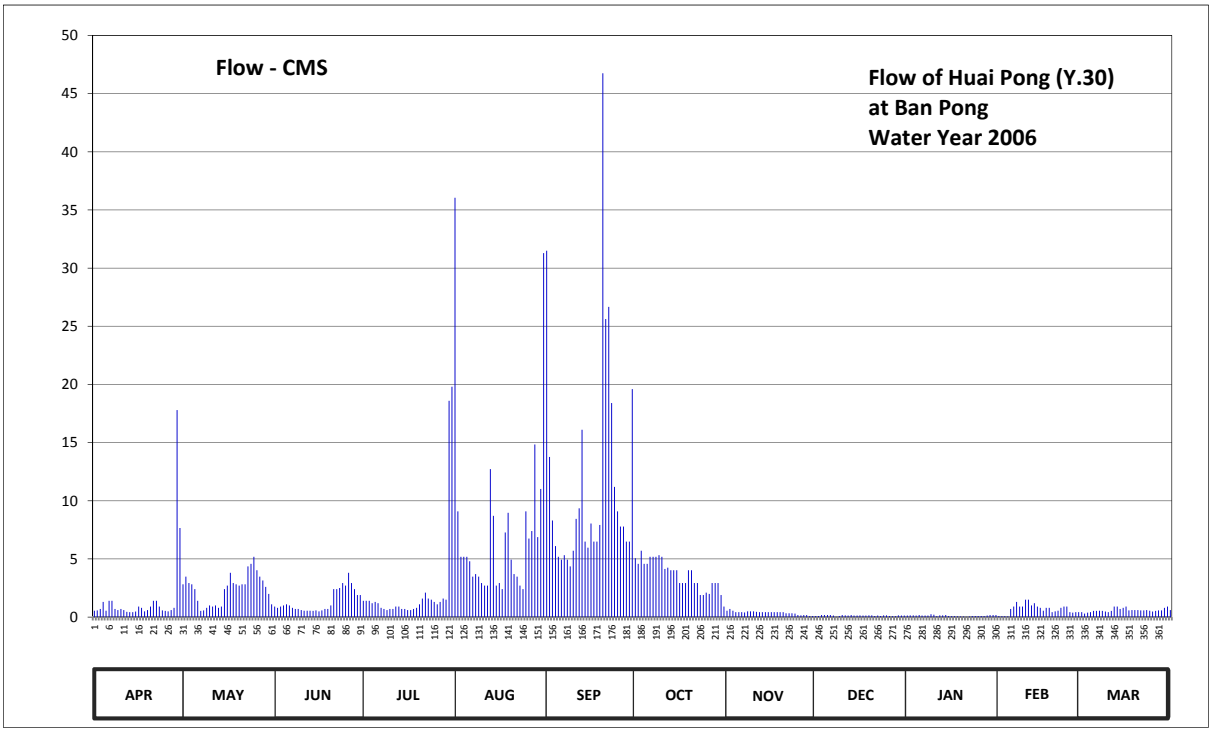
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 266.18 | 266.42 | 266.23 | 266.28 | 268.30 | 268.10 | 266.62 | 266.18 | 265.99 | 266.01 | 265.99 | 266.13 | |
| 2 | 266.19 | 266.48 | 266.22 | 266.28 | 266.93 | 267.22 | 266.58 | 266.21 | 265.99 | 266.02 | 265.98 | 266.08 | |
| 3 | 266.21 | 266.43 | 266.23 | 266.28 | 266.63 | 266.87 | 266.67 | 266.18 | 266.03 | 266.02 | 265.98 | 266.11 | |
| 4 | 266.27 | 266.42 | 266.24 | 266.26 | 266.63 | 266.70 | 266.58 | 266.13 | 266.03 | 266.01 | 265.97 | 266.13 | |
| 5 | 266.18 | 266.38 | 266.25 | 266.27 | 266.63 | 266.63 | 266.58 | 266.13 | 266.03 | 266.03 | 266.21 | 266.17 | |
| 6 | 266.28 | 266.28 | 266.24 | 266.26 | 266.60 | 266.61 | 266.63 | 266.13 | 266.03 | 266.01 | 266.23 | 266.17 | |
| 7 | 266.28 | 266.17 | 266.22 | 266.22 | 266.48 | 266.64 | 266.63 | 266.12 | 266.01 | 266.01 | 266.27 | 266.18 | |
| 8 | 266.21 | 266.19 | 266.21 | 266.21 | 266.50 | 266.61 | 266.63 | 266.16 | 265.93 | 266.01 | 266.23 | 266.17 | |
| 9 | 266.20 | 266.22 | 266.21 | 266.20 | 266.48 | 266.56 | 266.64 | 266.16 | 265.99 | 266.06 | 266.23 | 266.15 | |
| 10 | 266.21 | 266.24 | 266.20 | 266.21 | 266.43 | 266.67 | 266.63 | 266.16 | 266.03 | 266.04 | 266.29 | 266.13 | |
| 11 | 266.20 | 266.23 | 266.18 | 266.21 | 266.41 | 266.88 | 266.54 | 266.14 | 266.02 | 265.98 | 266.29 | 266.17 | |
| 12 | 266.14 | 266.24 | 266.18 | 266.23 | 266.41 | 266.95 | 266.55 | 266.13 | 266.01 | 266.02 | 266.24 | 266.23 | |
| 13 | 266.13 | 266.22 | 266.18 | 266.23 | 267.16 | 267.35 | 266.53 | 266.13 | 266.03 | 266.02 | 266.26 | 266.23 | |
| 14 | 266.13 | 266.23 | 266.17 | 266.21 | 266.90 | 266.73 | 266.53 | 266.13 | 266.01 | 266.03 | 266.23 | 266.21 | |
| 15 | 266.15 | 266.38 | 266.19 | 266.21 | 266.41 | 266.69 | 266.53 | 266.13 | 266.01 | 265.99 | 266.22 | 266.22 | |
| 16 | 266.23 | 266.41 | 266.16 | 266.20 | 266.43 | 266.85 | 266.43 | 266.13 | 266.02 | 265.98 | 266.18 | 266.23 | |
| 17 | 266.22 | 266.51 | 266.19 | 266.20 | 266.38 | 266.73 | 266.43 | 266.13 | 266.01 | 265.98 | 266.22 | 266.19 | |
| 18 | 266.16 | 266.43 | 266.21 | 266.21 | 266.79 | 266.73 | 266.43 | 266.13 | 266.01 | 265.97 | 266.22 | 266.20 | |
| 19 | 266.20 | 266.42 | 266.21 | 266.22 | 266.92 | 266.84 | 266.53 | 266.13 | 266.02 | 265.96 | 266.13 | 266.20 | |
| 20 | 266.23 | 266.41 | 266.24 | 266.25 | 266.61 | 268.70 | 266.53 | 266.13 | 266.02 | 265.95 | 266.16 | 266.20 | |
| 21 | 266.28 | 266.42 | 266.38 | 266.30 | 266.50 | 267.82 | 266.43 | 266.09 | 266.00 | 265.93 | 266.18 | 266.19 | |
| 22 | 266.28 | 266.42 | 266.38 | 266.35 | 266.48 | 267.87 | 266.43 | 266.09 | 266.01 | 265.95 | 266.22 | 266.19 | |
| 23 | 266.23 | 266.56 | 266.39 | 266.30 | 266.41 | 267.47 | 266.33 | 266.09 | 266.00 | 266.00 | 266.23 | 266.20 | |
| 24 | 266.19 | 266.58 | 266.43 | 266.29 | 266.38 | 267.07 | 266.33 | 266.08 | 266.02 | 265.99 | 266.23 | 266.18 | |
| 25 | 266.17 | 266.63 | 266.41 | 266.27 | 266.93 | 266.93 | 266.35 | 266.03 | 266.02 | 265.99 | 266.13 | 266.15 | |
| 26 | 266.16 | 266.53 | 266.51 | 266.25 | 266.75 | 266.83 | 266.34 | 266.02 | 266.00 | 266.00 | 266.11 | 266.17 | |
| 27 | 266.20 | 266.48 | 266.43 | 266.27 | 266.80 | 266.83 | 266.43 | 266.03 | 265.98 | 266.00 | 266.13 | 266.19 | |
| 28 | 266.22 | 266.45 | 266.38 | 266.30 | 267.28 | 266.73 | 266.43 | 266.03 | 265.98 | 266.01 | 266.13 | 266.19 | |
| 29 | 267.44 | 266.40 | 266.33 | 266.29 | 266.76 | 266.73 | 266.43 | 265.99 | 266.02 | 266.03 | | 266.22 | |
| 30 | 266.82 | 266.34 | 266.33 | 267.48 | 267.06 | 267.53 | 266.33 | 265.99 | 266.01 | 266.03 | | 266.23 | |
| 31 | | 266.25 | | 267.54 | 268.09 | | 266.23 | | 266.01 | 266.03 | | 266.20 | |
| Mean | 266.27 | 266.38 | 266.27 | 266.33 | 266.76 | 267.03 | 266.49 | 266.11 | 266.01 | 266.00 | 266.17 | 266.18 | |
| Max | 267.44 | 266.63 | 266.51 | 267.54 | 268.30 | 268.70 | 266.67 | 266.21 | 266.03 | 266.06 | 266.29 | 266.23 | 268.70 |
| Min | 266.13 | 266.17 | 266.16 | 266.20 | 266.38 | 266.56 | 266.23 | 265.99 | 265.93 | 265.93 | 265.97 | 266.08 | 265.93 |

Annual Max Momentary Gage Height 268.83 m. (MSL.) , at 06.00 Hours , on Aug 1, 2006

Zero Gage at Bottom Elevation 265.63 m. (MSL.) , River Bed 265.89 m. (MSL.)

Left Bank Elevation 273.91 m. (MSL.) ,

Right Bank Elevation 273.87 m. (MSL.) , Drainage Are 325 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.55 | 2.82 | 0.90 | 1.40 | 36.05 | 31.50 | 5.06 | 0.55 | 0.09 | 0.13 | 0.09 | 0.43 | | |
| 2 | 0.58 | 3.48 | 0.80 | 1.40 | 9.09 | 13.76 | 4.58 | 0.70 | 0.09 | 0.15 | 0.08 | 0.30 | | |
| 3 | 0.70 | 2.93 | 0.90 | 1.40 | 5.19 | 8.31 | 5.71 | 0.55 | 0.18 | 0.15 | 0.08 | 0.38 | | |
| 4 | 1.30 | 2.82 | 1.00 | 1.20 | 5.19 | 6.10 | 4.58 | 0.43 | 0.18 | 0.13 | 0.07 | 0.43 | | |
| 5 | 0.55 | 2.40 | 1.10 | 1.30 | 5.19 | 5.19 | 4.58 | 0.43 | 0.18 | 0.18 | 0.70 | 0.53 | | |
| 6 | 1.40 | 1.40 | 1.00 | 1.20 | 4.80 | 4.93 | 5.19 | 0.43 | 0.18 | 0.13 | 0.90 | 0.53 | | |
| 7 | 1.40 | 0.53 | 0.80 | 0.80 | 3.48 | 5.32 | 5.19 | 0.40 | 0.13 | 0.13 | 1.30 | 0.55 | | |
| 8 | 0.70 | 0.58 | 0.70 | 0.70 | 3.70 | 4.93 | 5.19 | 0.50 | 0.03 | 0.13 | 0.90 | 0.53 | | |
| 9 | 0.60 | 0.80 | 0.70 | 0.60 | 3.48 | 4.36 | 5.32 | 0.50 | 0.09 | 0.25 | 0.90 | 0.48 | | |
| 10 | 0.70 | 1.00 | 0.60 | 0.70 | 2.93 | 5.71 | 5.19 | 0.50 | 0.18 | 0.20 | 1.50 | 0.43 | | |
| 11 | 0.60 | 0.90 | 0.55 | 0.70 | 2.71 | 8.44 | 4.14 | 0.45 | 0.15 | 0.08 | 1.50 | 0.53 | | |
| 12 | 0.45 | 1.00 | 0.55 | 0.90 | 2.71 | 9.35 | 4.25 | 0.43 | 0.13 | 0.15 | 1.00 | 0.90 | | |
| 13 | 0.43 | 0.80 | 0.55 | 0.90 | 12.72 | 16.10 | 4.03 | 0.43 | 0.18 | 0.15 | 1.20 | 0.90 | | |
| 14 | 0.43 | 0.90 | 0.53 | 0.70 | 8.70 | 6.49 | 4.03 | 0.43 | 0.13 | 0.18 | 0.90 | 0.70 | | |
| 15 | 0.48 | 2.40 | 0.58 | 0.70 | 2.71 | 5.97 | 4.03 | 0.43 | 0.13 | 0.09 | 0.80 | 0.80 | | |
| 16 | 0.90 | 2.71 | 0.50 | 0.60 | 2.93 | 8.05 | 2.93 | 0.43 | 0.15 | 0.08 | 0.55 | 0.90 | | |
| 17 | 0.80 | 3.81 | 0.58 | 0.60 | 2.40 | 6.49 | 2.93 | 0.43 | 0.13 | 0.08 | 0.80 | 0.58 | | |
| 18 | 0.50 | 2.93 | 0.70 | 0.70 | 7.27 | 6.49 | 2.93 | 0.43 | 0.13 | 0.07 | 0.80 | 0.60 | | |
| 19 | 0.60 | 2.82 | 0.70 | 0.80 | 8.96 | 7.92 | 4.03 | 0.43 | 0.15 | 0.06 | 0.43 | 0.60 | | |
| 20 | 0.90 | 2.71 | 1.00 | 1.10 | 4.93 | 46.75 | 4.03 | 0.43 | 0.15 | 0.05 | 0.50 | 0.60 | | |
| 21 | 1.40 | 2.82 | 2.40 | 1.60 | 3.70 | 25.62 | 2.93 | 0.33 | 0.10 | 0.03 | 0.55 | 0.58 | | |
| 22 | 1.40 | 2.82 | 2.40 | 2.10 | 3.48 | 26.67 | 2.93 | 0.33 | 0.13 | 0.05 | 0.80 | 0.58 | | |
| 23 | 0.90 | 4.36 | 2.50 | 1.60 | 2.71 | 18.40 | 1.90 | 0.33 | 0.10 | 0.10 | 0.90 | 0.60 | | |
| 24 | 0.58 | 4.58 | 2.93 | 1.50 | 2.40 | 11.19 | 1.90 | 0.30 | 0.15 | 0.09 | 0.90 | 0.55 | | |
| 25 | 0.53 | 5.19 | 2.71 | 1.30 | 9.09 | 9.09 | 2.10 | 0.18 | 0.15 | 0.09 | 0.43 | 0.48 | | |
| 26 | 0.50 | 4.03 | 3.81 | 1.10 | 6.75 | 7.79 | 2.00 | 0.15 | 0.10 | 0.10 | 0.38 | 0.53 | | |
| 27 | 0.60 | 3.48 | 2.93 | 1.30 | 7.40 | 7.79 | 2.93 | 0.18 | 0.08 | 0.10 | 0.43 | 0.58 | | |
| 28 | 0.80 | 3.15 | 2.40 | 1.60 | 14.84 | 6.49 | 2.93 | 0.18 | 0.08 | 0.13 | 0.43 | 0.58 | | |
| 29 | 17.80 | 2.60 | 1.90 | 1.50 | 6.88 | 6.49 | 2.93 | 0.09 | 0.15 | 0.18 | | 0.80 | | |
| 30 | 7.66 | 2.00 | 1.90 | 18.60 | 11.02 | 19.60 | 1.90 | 0.09 | 0.13 | 0.18 | | 0.90 | | |
| 31 | | 1.10 | | 19.80 | 31.29 | | 0.90 | | 0.13 | 0.18 | | 0.60 | | |
| Total | 46.74 | 75.87 | 40.62 | 70.40 | 234.70 | 351.29 | 113.27 | 11.47 | 4.06 | 3.80 | 19.82 | 18.48 | 990.52 | CMSDAY |
| Mean | 1.56 | 2.45 | 1.35 | 2.27 | 7.57 | 11.71 | 3.65 | 0.38 | 0.13 | 0.12 | 0.71 | 0.60 | 2.71 | CMS |
| Max | 17.80 | 5.19 | 3.81 | 19.80 | 36.05 | 46.75 | 5.71 | 0.70 | 0.18 | 0.25 | 1.50 | 0.90 | 46.75 | CMS |
| Min | 0.43 | 0.53 | 0.50 | 0.60 | 2.40 | 4.36 | 0.90 | 0.09 | 0.03 | 0.03 | 0.07 | 0.30 | 0.03 | CMS |
| Runoff | 4.04 | 6.56 | 3.51 | 6.08 | 20.28 | 30.35 | 9.79 | 0.99 | 0.35 | 0.33 | 1.71 | 1.60 | 85.58 | MCM |

Momentary Peak 50.32 CMS. at 268.83 m. (MSL.) at 06.00 Hours , on Aug 1, 2006

Runoff Yield 8.35 Liters/Second/Square KM. Momentary Peak Yield 154.83 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Thung Nong , Phayao (Y.31)

Lat 18 - 57 - 28 N Long 100 - 15 - 58 E

**Location : on right bank downstream of the bridge of Pong - Chiang Muan road.**

**Ban** Thung Nong **Amphoe** Chiang Muan **Changwat** Phayao

| | |
|---|---|
| **Drainge Area** | 1,981 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +257.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 5 meters from the top staff gage. **Elevation** +266.960 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1983 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the islet about 200 meters dowmstream from the gage site. Stage-discharge relation defined by 12 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

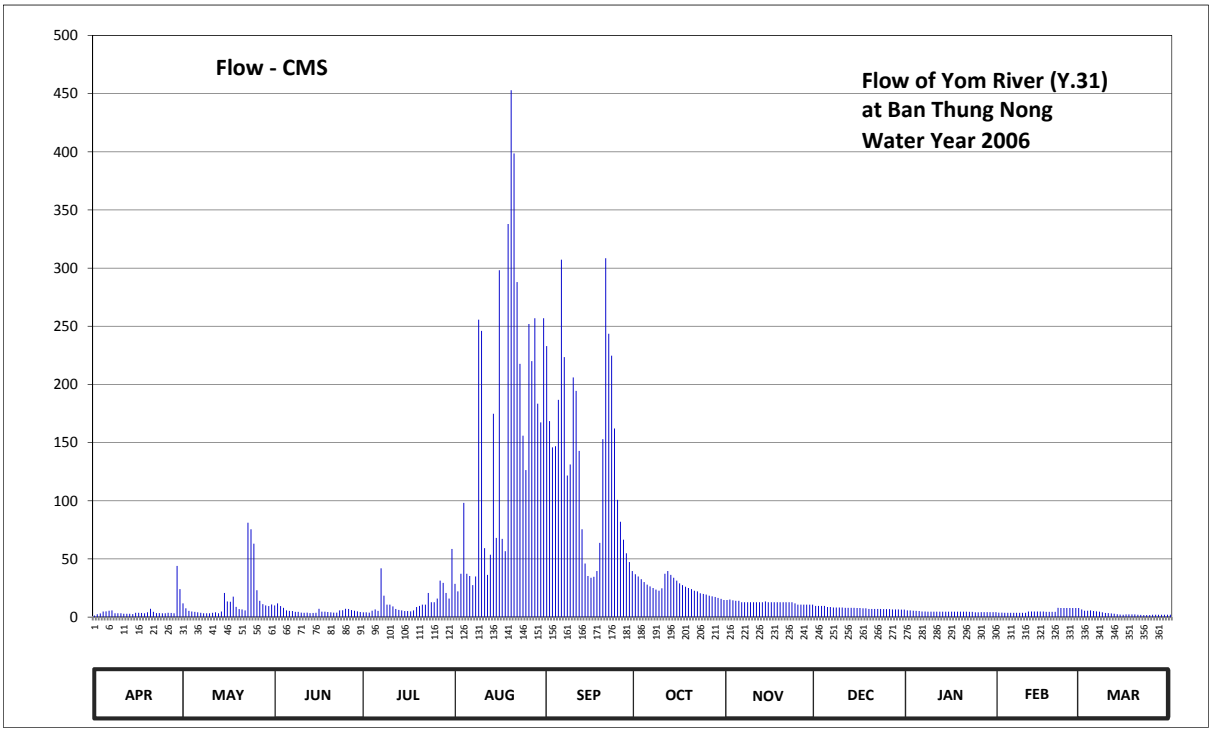
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 257.53 | 258.15 | 258.07 | 257.75 | 258.73 | 261.14 | 258.93 | 258.28 | 258.05 | 257.85 | 257.74 | 257.90 | |
| 2 | 257.64 | 257.95 | 258.15 | 257.75 | 258.54 | 260.57 | 258.89 | 258.30 | 258.05 | 257.85 | 257.74 | 257.84 | |
| 3 | 257.69 | 257.83 | 258.04 | 257.74 | 258.94 | 260.35 | 258.83 | 258.27 | 258.05 | 257.84 | 257.73 | 257.84 | |
| 4 | 257.80 | 257.80 | 257.97 | 257.84 | 259.84 | 260.36 | 258.77 | 258.25 | 258.05 | 257.83 | 257.73 | 257.85 | |
| 5 | 257.81 | 257.78 | 257.85 | 257.90 | 258.94 | 260.74 | 258.71 | 258.25 | 258.00 | 257.82 | 257.73 | 257.82 | |
| 6 | 257.84 | 257.75 | 257.83 | 257.83 | 258.90 | 261.74 | 258.67 | 258.20 | 258.00 | 257.80 | 257.73 | 257.81 | |
| 7 | 257.85 | 257.73 | 257.82 | 259.04 | 258.70 | 261.06 | 258.63 | 258.20 | 257.98 | 257.80 | 257.73 | 257.79 | |
| 8 | 257.70 | 257.70 | 257.78 | 258.42 | 258.89 | 260.10 | 258.59 | 258.20 | 257.98 | 257.79 | 257.73 | 257.75 | |
| 9 | 257.70 | 257.70 | 257.78 | 258.10 | 261.33 | 260.20 | 258.56 | 258.20 | 257.98 | 257.79 | 257.73 | 257.72 | |
| 10 | 257.70 | 257.70 | 257.74 | 258.10 | 261.25 | 260.91 | 258.62 | 258.20 | 257.98 | 257.79 | 257.73 | 257.71 | |
| 11 | 257.67 | 257.73 | 257.73 | 258.03 | 259.34 | 260.81 | 258.94 | 258.20 | 257.97 | 257.79 | 257.80 | 257.69 | |
| 12 | 257.67 | 257.75 | 257.74 | 257.92 | 258.92 | 260.32 | 258.99 | 258.20 | 257.97 | 257.79 | 257.80 | 257.67 | |
| 13 | 257.67 | 257.70 | 257.71 | 257.88 | 259.25 | 259.57 | 258.92 | 258.20 | 257.97 | 257.79 | 257.80 | 257.64 | |
| 14 | 257.65 | 257.80 | 257.72 | 257.85 | 260.63 | 259.12 | 258.86 | 258.23 | 257.97 | 257.79 | 257.80 | 257.61 | |
| 15 | 257.73 | 258.50 | 257.73 | 257.82 | 259.47 | 258.90 | 258.80 | 258.20 | 257.96 | 257.79 | 257.80 | 257.60 | |
| 16 | 257.73 | 258.23 | 257.93 | 257.82 | 261.67 | 258.86 | 258.74 | 258.20 | 257.96 | 257.79 | 257.80 | 257.62 | |
| 17 | 257.72 | 258.22 | 257.79 | 257.81 | 259.46 | 258.88 | 258.70 | 258.20 | 257.95 | 257.79 | 257.78 | 257.63 | |
| 18 | 257.70 | 258.39 | 257.79 | 257.85 | 259.30 | 258.99 | 258.66 | 258.20 | 257.95 | 257.79 | 257.78 | 257.63 | |
| 19 | 257.75 | 258.01 | 257.77 | 258.00 | 261.97 | 259.41 | 258.63 | 258.20 | 257.92 | 257.79 | 257.78 | 257.62 | |
| 20 | 257.93 | 257.91 | 257.75 | 258.05 | 262.77 | 260.42 | 258.60 | 258.20 | 257.92 | 257.79 | 257.78 | 257.60 | |
| 21 | 257.78 | 257.90 | 257.74 | 258.10 | 262.40 | 261.75 | 258.56 | 258.20 | 257.92 | 257.79 | 257.97 | 257.59 | |
| 22 | 257.71 | 257.85 | 257.74 | 258.10 | 261.59 | 261.23 | 258.54 | 258.20 | 257.92 | 257.78 | 257.96 | 257.58 | |
| 23 | 257.71 | 259.64 | 257.85 | 258.50 | 261.01 | 261.07 | 258.49 | 258.20 | 257.92 | 257.78 | 257.96 | 257.57 | |
| 24 | 257.70 | 259.57 | 257.86 | 258.20 | 260.45 | 260.51 | 258.47 | 258.15 | 257.91 | 257.75 | 257.96 | 257.57 | |
| 25 | 257.70 | 259.40 | 257.93 | 258.20 | 260.15 | 259.87 | 258.45 | 258.10 | 257.91 | 257.75 | 257.96 | 257.60 | |
| 26 | 257.73 | 258.57 | 257.92 | 258.33 | 261.30 | 259.65 | 258.42 | 258.10 | 257.91 | 257.76 | 257.96 | 257.60 | |
| 27 | 257.72 | 258.25 | 257.87 | 258.80 | 261.03 | 259.45 | 258.40 | 258.10 | 257.90 | 257.76 | 257.96 | 257.60 | |
| 28 | 257.70 | 258.12 | 257.84 | 258.75 | 261.34 | 259.27 | 258.38 | 258.10 | 257.90 | 257.76 | 257.96 | 257.60 | |
| 29 | 259.08 | 258.07 | 257.81 | 258.50 | 260.71 | 259.14 | 258.35 | 258.10 | 257.90 | 257.76 | | 257.60 | |
| 30 | 258.60 | 258.04 | 257.77 | 258.33 | 260.56 | 258.99 | 258.32 | 258.10 | 257.89 | 257.76 | | 257.60 | |
| 31 | | 258.11 | | 259.33 | 261.34 | | 258.28 | | 257.89 | 257.76 | | 257.60 | |
| Mean | 257.80 | 258.12 | 257.83 | 258.15 | 260.28 | 260.11 | 258.64 | 258.19 | 257.96 | 257.79 | 257.82 | 257.67 | |
| Max | 259.08 | 259.64 | 258.15 | 259.33 | 262.77 | 261.75 | 258.99 | 258.30 | 258.05 | 257.85 | 257.97 | 257.90 | 262.77 |
| Min | 257.53 | 257.70 | 257.71 | 257.74 | 258.54 | 258.86 | 258.28 | 258.10 | 257.89 | 257.75 | 257.73 | 257.57 | 257.53 |

Annual Max Momentary Gage Height 263.35 m. (MSL.) , at 06.00 Hours , on Aug 20, 2006

Zero Gage at Bottom Elevation 257.00 m. (MSL.) , River Bed 253.46 m. (MSL.)

Left Bank Elevation 267.37 m. (MSL.) ,

Right Bank Elevation 267.38 m. (MSL.) , Drainage Are 1,981 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.37 | 11.75 | 10.07 | 4.05 | 28.64 | 232.95 | 36.78 | 14.64 | 9.65 | 5.70 | 3.90 | 6.60 | | |
| 2 | 2.52 | 7.60 | 11.75 | 4.05 | 22.08 | 168.45 | 34.99 | 15.10 | 9.65 | 5.70 | 3.90 | 5.52 | | |
| 3 | 3.17 | 5.34 | 9.44 | 3.90 | 37.24 | 145.90 | 32.53 | 14.41 | 9.65 | 5.52 | 3.75 | 5.52 | | |
| 4 | 4.80 | 4.80 | 8.00 | 5.52 | 98.22 | 146.90 | 30.16 | 13.95 | 9.65 | 5.34 | 3.75 | 5.70 | | |
| 5 | 4.98 | 4.50 | 5.70 | 6.60 | 37.24 | 186.70 | 27.88 | 13.95 | 8.60 | 5.16 | 3.75 | 5.16 | | |
| 6 | 5.52 | 4.05 | 5.34 | 5.34 | 35.40 | 307.20 | 26.45 | 12.80 | 8.60 | 4.80 | 3.75 | 4.98 | | |
| 7 | 5.70 | 3.75 | 5.16 | 42.00 | 27.50 | 223.55 | 25.05 | 12.80 | 8.20 | 4.80 | 3.75 | 4.65 | | |
| 8 | 3.30 | 3.30 | 4.50 | 18.48 | 34.99 | 121.70 | 23.68 | 12.80 | 8.20 | 4.65 | 3.75 | 4.05 | | |
| 9 | 3.30 | 3.30 | 4.50 | 10.70 | 255.66 | 131.20 | 22.72 | 12.80 | 8.20 | 4.65 | 3.75 | 3.60 | | |
| 10 | 3.30 | 3.30 | 3.90 | 10.70 | 246.00 | 205.97 | 24.70 | 12.80 | 8.20 | 4.65 | 3.75 | 3.45 | | |
| 11 | 2.91 | 3.75 | 3.75 | 9.23 | 59.20 | 194.45 | 37.24 | 12.80 | 8.00 | 4.65 | 4.80 | 3.17 | | |
| 12 | 2.91 | 4.05 | 3.90 | 7.00 | 36.32 | 142.90 | 39.54 | 12.80 | 8.00 | 4.65 | 4.80 | 2.91 | | |
| 13 | 2.91 | 3.30 | 3.45 | 6.24 | 53.60 | 75.49 | 36.32 | 12.80 | 8.00 | 4.65 | 4.80 | 2.52 | | |
| 14 | 2.65 | 4.80 | 3.60 | 5.70 | 174.81 | 46.12 | 33.76 | 13.49 | 8.00 | 4.65 | 4.80 | 2.13 | | |
| 15 | 3.75 | 20.80 | 3.75 | 5.16 | 68.00 | 35.40 | 31.30 | 12.80 | 7.80 | 4.65 | 4.80 | 2.00 | | |
| 16 | 3.75 | 13.49 | 7.20 | 5.16 | 298.16 | 33.76 | 29.02 | 12.80 | 7.80 | 4.65 | 4.80 | 2.26 | | |
| 17 | 3.60 | 13.26 | 4.65 | 4.98 | 67.30 | 34.58 | 27.50 | 12.80 | 7.60 | 4.65 | 4.50 | 2.39 | | |
| 18 | 3.30 | 17.62 | 4.65 | 5.70 | 56.60 | 39.54 | 26.10 | 12.80 | 7.60 | 4.65 | 4.50 | 2.39 | | |
| 19 | 4.05 | 8.81 | 4.35 | 8.60 | 337.89 | 63.80 | 25.05 | 12.80 | 7.00 | 4.65 | 4.50 | 2.26 | | |
| 20 | 7.20 | 6.80 | 4.05 | 9.65 | 452.89 | 152.94 | 24.00 | 12.80 | 7.00 | 4.65 | 4.50 | 2.00 | | |
| 21 | 4.50 | 6.60 | 3.90 | 10.70 | 398.50 | 308.50 | 22.72 | 12.80 | 7.00 | 4.65 | 8.00 | 1.91 | | |
| 22 | 3.45 | 5.70 | 3.90 | 10.70 | 287.94 | 243.60 | 22.08 | 12.80 | 7.00 | 4.50 | 7.80 | 1.82 | | |
| 23 | 3.45 | 81.12 | 5.70 | 20.80 | 217.68 | 224.73 | 20.51 | 12.80 | 7.00 | 4.50 | 7.80 | 1.73 | | |
| 24 | 3.30 | 75.49 | 5.88 | 12.80 | 156.00 | 162.15 | 19.93 | 11.75 | 6.80 | 4.05 | 7.80 | 1.73 | | |
| 25 | 3.30 | 63.10 | 7.20 | 12.80 | 126.45 | 100.86 | 19.35 | 10.70 | 6.80 | 4.05 | 7.80 | 2.00 | | |
| 26 | 3.75 | 23.04 | 7.00 | 15.94 | 252.00 | 81.95 | 18.48 | 10.70 | 6.80 | 4.20 | 7.80 | 2.00 | | |
| 27 | 3.60 | 13.95 | 6.06 | 31.30 | 220.03 | 66.60 | 17.90 | 10.70 | 6.60 | 4.20 | 7.80 | 2.00 | | |
| 28 | 3.30 | 11.12 | 5.52 | 29.40 | 256.88 | 54.80 | 17.34 | 10.70 | 6.60 | 4.20 | 7.80 | 2.00 | | |
| 29 | 44.00 | 10.07 | 4.98 | 20.80 | 183.40 | 47.24 | 16.50 | 10.70 | 6.60 | 4.20 | | 2.00 | | |
| 30 | 24.00 | 9.44 | 4.35 | 15.94 | 167.40 | 39.54 | 15.66 | 10.70 | 6.42 | 4.20 | | 2.00 | | |
| 31 | | 10.91 | | 58.55 | 256.88 | | 14.64 | | 6.42 | 4.20 | | 2.00 | | |
| Total | 171.64 | 458.91 | 166.20 | 418.49 | 4950.90 | 4019.47 | 799.88 | 379.09 | 239.44 | 144.42 | 147.20 | 94.45 | 11990.09 | CMSDAY |
| Mean | 5.72 | 14.80 | 5.54 | 13.50 | 159.71 | 133.98 | 25.80 | 12.64 | 7.72 | 4.66 | 5.26 | 3.05 | 32.85 | CMS |
| Max | 44.00 | 81.12 | 11.75 | 58.55 | 452.89 | 308.50 | 39.54 | 15.10 | 9.65 | 5.70 | 8.00 | 6.60 | 452.89 | CMS |
| Min | 1.37 | 3.30 | 3.45 | 3.90 | 22.08 | 33.76 | 14.64 | 10.70 | 6.42 | 4.05 | 3.75 | 1.73 | 1.37 | CMS |
| Runoff | 14.83 | 39.65 | 14.36 | 36.16 | 427.76 | 347.28 | 69.11 | 32.75 | 20.69 | 12.48 | 12.72 | 8.16 | 1035.94 | MCM |

Momentary Peak 538.15 CMS. at 263.35 m. (MSL.) at 06.00 Hours , on Aug 20, 2006

Runoff Yield 16.58 Liters/Second/Square KM. Momentary Peak Yield 271.66 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Khlong Tan , Sukhothai (Y.33)

Lat 17 - 10 - 06 N Long 99 - 51 - 52 E

**Location : on left bank at the bridge on road from Tambon Khlong Tan.**

**Ban** Khlong Tan **Amphoe** Si Samrong **Changwat** Sukhothai

| | |
|---|---|
| **Drainge Area** | 13,948 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +45.820 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 20.30 meters from the top staff gage. **Elevation** +55.420 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1990 to date |
| **Rating Operation** | |
| **Period of Rating** | 1990 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1990 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +54.160 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Flow effected by the temporary weir about 500 meters dowmstream from the gage site. Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

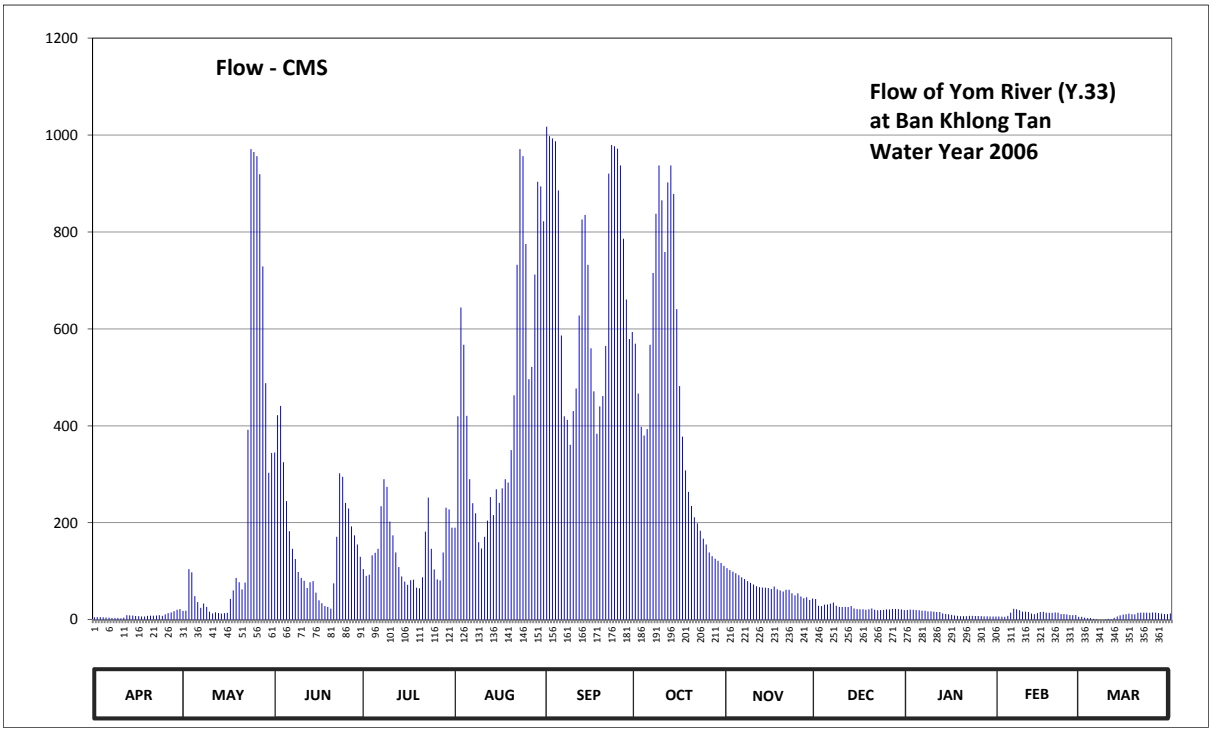
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47.09 | 47.62 | 51.91 | 49.19 | 50.31 | 57.06 | 53.78 | 49.22 | 48.16 | 47.69 | 47.18 | 47.35 | |
| 2 | 47.11 | 47.63 | 52.55 | 48.96 | 52.53 | 56.93 | 52.92 | 49.16 | 47.91 | 47.71 | 47.16 | 47.30 | |
| 3 | 47.11 | 49.19 | 52.71 | 49.00 | 54.29 | 56.90 | 52.35 | 49.10 | 47.89 | 47.70 | 47.14 | 47.26 | |
| 4 | 47.09 | 49.08 | 51.73 | 49.57 | 53.76 | 56.86 | 52.20 | 49.05 | 47.96 | 47.67 | 47.25 | 47.26 | |
| 5 | 47.08 | 48.26 | 50.92 | 49.64 | 52.54 | 56.03 | 52.31 | 48.98 | 47.97 | 47.66 | 47.59 | 47.19 | |
| 6 | 47.05 | 48.06 | 50.23 | 49.75 | 51.38 | 53.92 | 53.76 | 48.91 | 48.00 | 47.63 | 47.77 | 47.16 | |
| 7 | 47.02 | 47.81 | 49.75 | 50.80 | 50.87 | 52.53 | 54.72 | 48.85 | 48.04 | 47.63 | 47.75 | 47.09 | |
| 8 | 47.02 | 48.01 | 49.47 | 51.38 | 50.64 | 52.47 | 55.63 | 48.78 | 47.91 | 47.59 | 47.70 | 47.05 | |
| 9 | 47.01 | 47.86 | 49.09 | 51.22 | 49.93 | 52.04 | 56.46 | 48.72 | 47.86 | 47.59 | 47.64 | 47.14 | |
| 10 | 46.96 | 47.57 | 48.89 | 50.45 | 49.76 | 52.62 | 55.86 | 48.66 | 47.85 | 47.57 | 47.64 | 47.19 | |
| 11 | 47.05 | 47.44 | 48.79 | 50.12 | 50.08 | 53.01 | 54.98 | 48.60 | 47.86 | 47.55 | 47.62 | 47.16 | |
| 12 | 47.30 | 47.52 | 48.54 | 49.65 | 50.47 | 54.19 | 56.17 | 48.57 | 47.85 | 47.55 | 47.54 | 47.28 | |
| 13 | 47.29 | 47.48 | 48.74 | 49.25 | 51.01 | 55.53 | 56.46 | 48.56 | 47.89 | 47.44 | 47.51 | 47.37 | |
| 14 | 47.27 | 47.43 | 48.78 | 48.94 | 50.60 | 55.61 | 55.97 | 48.55 | 47.78 | 47.41 | 47.57 | 47.44 | |
| 15 | 47.23 | 47.46 | 48.38 | 48.76 | 51.17 | 54.82 | 54.27 | 48.54 | 47.74 | 47.38 | 47.62 | 47.49 | |
| 16 | 47.21 | 47.49 | 48.12 | 48.65 | 50.88 | 53.70 | 53.05 | 48.51 | 47.73 | 47.32 | 47.63 | 47.51 | |
| 17 | 47.19 | 48.17 | 48.02 | 48.81 | 51.19 | 52.96 | 52.18 | 48.59 | 47.73 | 47.27 | 47.59 | 47.54 | |
| 18 | 47.18 | 48.46 | 47.89 | 48.83 | 51.38 | 52.23 | 51.56 | 48.50 | 47.70 | 47.24 | 47.58 | 47.51 | |
| 19 | 47.25 | 48.89 | 47.86 | 48.55 | 51.31 | 52.70 | 51.12 | 48.46 | 47.73 | 47.22 | 47.58 | 47.50 | |
| 20 | 47.26 | 48.74 | 47.77 | 48.53 | 51.95 | 52.88 | 50.81 | 48.42 | 47.78 | 47.22 | 47.60 | 47.58 | |
| 21 | 47.26 | 48.49 | 48.70 | 48.91 | 52.89 | 53.74 | 50.55 | 48.48 | 47.70 | 47.22 | 47.59 | 47.59 | |
| 22 | 47.27 | 48.73 | 50.08 | 50.22 | 54.82 | 56.32 | 50.41 | 48.48 | 47.66 | 47.25 | 47.52 | 47.59 | |
| 23 | 47.30 | 52.30 | 51.50 | 51.00 | 56.74 | 56.81 | 50.24 | 48.36 | 47.67 | 47.24 | 47.52 | 47.59 | |
| 24 | 47.25 | 56.74 | 51.43 | 49.75 | 56.62 | 56.79 | 50.03 | 48.29 | 47.69 | 47.23 | 47.50 | 47.58 | |
| 25 | 47.37 | 56.69 | 50.88 | 49.18 | 55.11 | 56.75 | 49.87 | 48.36 | 47.72 | 47.23 | 47.46 | 47.60 | |
| 26 | 47.46 | 56.62 | 50.75 | 48.84 | 53.17 | 56.46 | 49.65 | 48.25 | 47.72 | 47.22 | 47.45 | 47.59 | |
| 27 | 47.51 | 56.31 | 50.34 | 48.80 | 53.38 | 55.20 | 49.55 | 48.19 | 47.75 | 47.20 | 47.46 | 47.57 | |
| 28 | 47.60 | 54.80 | 50.12 | 49.65 | 54.70 | 54.39 | 49.48 | 48.22 | 47.75 | 47.20 | 47.35 | 47.54 | |
| 29 | 47.70 | 53.10 | 49.87 | 50.77 | 56.18 | 53.86 | 49.42 | 48.13 | 47.74 | 47.19 | | 47.52 | |
| 30 | 47.74 | 51.51 | 49.53 | 50.73 | 56.10 | 53.98 | 49.36 | 48.18 | 47.72 | 47.18 | | 47.52 | |
| 31 | | 51.90 | | 50.31 | 55.50 | | 49.28 | | 47.68 | 47.18 | | 47.55 | |
| Mean | 47.24 | 49.91 | 49.78 | 49.62 | 52.62 | 54.64 | 52.40 | 48.59 | 47.81 | 47.40 | 47.52 | 47.41 | |
| Max | 47.74 | 56.74 | 52.71 | 51.38 | 56.74 | 57.06 | 56.46 | 49.22 | 48.16 | 47.71 | 47.77 | 47.60 | 57.06 |
| Min | 46.96 | 47.43 | 47.77 | 48.53 | 49.76 | 52.04 | 49.28 | 48.13 | 47.66 | 47.18 | 47.14 | 47.05 | 46.96 |

Annual Max Momentary Gage Height 57.10 m. (MSL.) , at 06.00 Hours , on Sep 1, 2006

Zero Gage at Bottom Elevation 45.82 m. (MSL.) , River Bed 44.92 m. (MSL.)

Left Bank Elevation 54.15 m. (MSL.) ,

Right Bank Elevation 55.07 m. (MSL.) , Drainage Are 13,948 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.08 | 18.15 | 345.20 | 104.40 | 189.90 | 1017.00 | 569.60 | 106.50 | 42.60 | 20.43 | 6.65 | 6.00 | | |
| 2 | 5.43 | 18.48 | 422.00 | 90.60 | 419.60 | 997.50 | 466.40 | 102.60 | 28.95 | 21.08 | 6.30 | 4.50 | | |
| 3 | 5.43 | 104.40 | 441.20 | 93.00 | 644.14 | 993.00 | 398.00 | 99.00 | 28.05 | 20.75 | 5.95 | 3.50 | | |
| 4 | 5.08 | 97.80 | 325.00 | 132.75 | 567.20 | 987.00 | 380.00 | 96.00 | 31.20 | 19.78 | 8.20 | 3.50 | | |
| 5 | 4.90 | 48.60 | 244.80 | 138.00 | 420.80 | 885.60 | 393.20 | 91.80 | 31.65 | 19.45 | 14.60 | 1.80 | | |
| 6 | 4.38 | 36.60 | 182.70 | 146.25 | 290.00 | 586.40 | 567.20 | 87.60 | 33.00 | 18.48 | 22.65 | 1.20 | | |
| 7 | 3.85 | 24.45 | 146.25 | 234.00 | 240.30 | 419.60 | 715.52 | 84.00 | 35.40 | 18.48 | 21.75 | 0.00 | | |
| 8 | 3.85 | 33.60 | 125.25 | 290.00 | 219.60 | 412.40 | 837.60 | 79.80 | 28.95 | 17.22 | 19.50 | 0.00 | | |
| 9 | 3.68 | 26.70 | 98.40 | 274.00 | 159.75 | 360.80 | 937.20 | 76.20 | 26.70 | 17.22 | 16.80 | 0.80 | | |
| 10 | 3.00 | 16.65 | 86.40 | 202.50 | 147.00 | 430.40 | 865.20 | 72.60 | 26.25 | 16.65 | 16.80 | 1.80 | | |
| 11 | 4.38 | 12.94 | 80.40 | 174.00 | 171.00 | 477.20 | 758.68 | 69.00 | 26.70 | 16.08 | 15.90 | 1.20 | | |
| 12 | 9.40 | 15.22 | 65.40 | 138.75 | 204.30 | 627.54 | 902.40 | 67.20 | 26.25 | 16.08 | 12.60 | 4.00 | | |
| 13 | 9.16 | 14.08 | 77.40 | 108.75 | 253.00 | 825.60 | 937.20 | 66.60 | 28.05 | 12.94 | 11.40 | 6.60 | | |
| 14 | 8.68 | 12.66 | 79.80 | 89.40 | 216.00 | 835.20 | 878.40 | 66.00 | 23.35 | 12.09 | 13.80 | 8.90 | | |
| 15 | 7.72 | 13.51 | 55.80 | 78.60 | 269.00 | 732.12 | 640.82 | 65.40 | 22.05 | 11.32 | 15.90 | 10.65 | | |
| 16 | 7.24 | 14.37 | 40.20 | 72.00 | 241.20 | 560.00 | 482.00 | 63.60 | 21.73 | 9.88 | 16.35 | 11.40 | | |
| 17 | 6.83 | 43.20 | 34.20 | 81.60 | 271.00 | 471.20 | 377.60 | 68.40 | 21.73 | 8.68 | 14.60 | 12.60 | | |
| 18 | 6.65 | 60.60 | 28.05 | 82.80 | 290.00 | 383.60 | 308.00 | 63.00 | 20.75 | 7.96 | 14.20 | 11.40 | | |
| 19 | 8.20 | 86.40 | 26.70 | 66.00 | 283.00 | 440.00 | 264.00 | 60.60 | 21.73 | 7.48 | 14.20 | 11.00 | | |
| 20 | 8.44 | 77.40 | 23.03 | 64.80 | 350.00 | 461.60 | 234.90 | 58.20 | 23.35 | 7.48 | 15.00 | 14.20 | | |
| 21 | 8.44 | 62.40 | 75.00 | 87.60 | 462.80 | 564.80 | 211.50 | 61.80 | 20.75 | 7.48 | 14.60 | 14.60 | | |
| 22 | 8.68 | 76.80 | 171.00 | 181.80 | 732.12 | 920.40 | 198.90 | 61.80 | 19.45 | 8.20 | 11.80 | 14.60 | | |
| 23 | 9.40 | 392.00 | 302.00 | 252.00 | 970.80 | 979.50 | 183.60 | 54.60 | 19.78 | 7.96 | 11.80 | 14.60 | | |
| 24 | 8.20 | 970.80 | 295.00 | 146.25 | 956.40 | 976.80 | 167.25 | 50.40 | 20.43 | 7.72 | 11.00 | 14.20 | | |
| 25 | 11.08 | 964.80 | 241.20 | 103.80 | 775.20 | 972.00 | 155.25 | 54.60 | 21.40 | 7.72 | 9.60 | 15.00 | | |
| 26 | 13.51 | 956.40 | 229.50 | 83.40 | 496.40 | 937.20 | 138.75 | 48.00 | 21.40 | 7.48 | 9.25 | 14.60 | | |
| 27 | 14.94 | 919.20 | 192.60 | 81.00 | 521.60 | 786.00 | 131.25 | 44.40 | 22.38 | 7.00 | 9.60 | 13.80 | | |
| 28 | 17.50 | 728.80 | 174.00 | 138.75 | 712.20 | 660.74 | 126.00 | 46.20 | 22.38 | 7.00 | 6.00 | 12.60 | | |
| 29 | 20.75 | 488.00 | 155.25 | 231.30 | 903.60 | 579.20 | 121.50 | 40.80 | 22.05 | 6.83 | | 11.80 | | |
| 30 | 22.05 | 303.00 | 129.75 | 227.70 | 894.00 | 593.60 | 117.00 | 43.80 | 21.40 | 6.65 | | 11.80 | | |
| 31 | | 344.00 | | 189.90 | 822.00 | | 111.00 | | 20.10 | 6.65 | | 13.00 | | |
| Total | 255.93 | 6982.01 | 4893.48 | 4385.70 | 14093.91 | 20874.00 | 13575.92 | 2050.50 | 779.96 | 380.22 | 366.80 | 265.65 | 68904.08 | CMSDAY |
| Mean | 8.53 | 225.23 | 163.12 | 141.47 | 454.64 | 695.80 | 437.93 | 68.35 | 25.16 | 12.27 | 13.10 | 8.57 | 188.78 | CMS |
| Max | 22.05 | 970.80 | 441.20 | 290.00 | 970.80 | 1017.00 | 937.20 | 106.50 | 42.60 | 21.08 | 22.65 | 15.00 | 1017.00 | CMS |
| Min | 3.00 | 12.66 | 23.03 | 64.80 | 147.00 | 360.80 | 111.00 | 40.80 | 19.45 | 6.65 | 5.95 | 0.00 | 0.00 | CMS |
| Runoff | 22.11 | 603.25 | 422.80 | 378.92 | 1217.71 | 1803.51 | 1172.96 | 177.16 | 67.39 | 32.85 | 31.69 | 22.95 | 5953.31 | MCM |

Momentary Peak 1023.00 CMS. at 57.10 m. (MSL.) at 06.00 Hours , on Sep 1, 2006

Runoff Yield 13.53 Liters/Second/Square KM. Momentary Peak Yield 73.34 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Nam Mae Lai at Ban Mae Lai , Phrae (Y.34)

Lat 18 - 12 - 59 N Long 100 - 12 - 36 E

**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Mae Lai | **Amphoe** Mueang | **Changwat** Phrae |
| **Drainge Area** | 336 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +157.270 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 10 meters from the top staff gage. | **Elevation** +161.734 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1996 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Flow effected by the temporary weir about 300 meters dowmstream from the gage site. Stage-discharge relation defined by 8 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

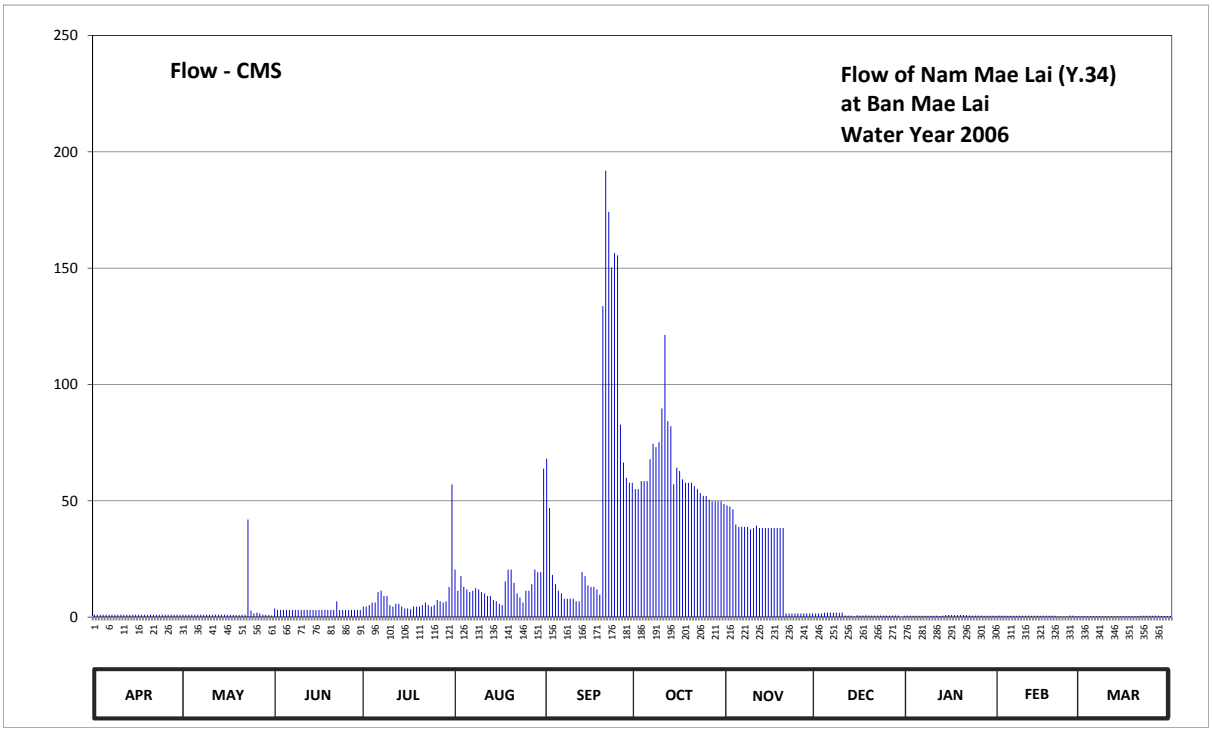
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 159.20 | 159.20 | 159.29 | 159.31 | 159.59 | 160.17 | 159.39 | 159.27 | 159.22 | 159.17 | 159.17 | 159.14 | |
| 2 | 159.20 | 159.20 | 159.27 | 159.31 | 159.43 | 159.92 | 159.39 | 159.26 | 159.22 | 159.16 | 159.16 | 159.14 | |
| 3 | 159.20 | 159.20 | 159.27 | 159.32 | 159.54 | 159.55 | 159.44 | 159.24 | 159.22 | 159.16 | 159.16 | 159.14 | |
| 4 | 159.20 | 159.20 | 159.27 | 159.34 | 159.46 | 159.48 | 159.44 | 159.12 | 159.23 | 159.16 | 159.16 | 159.14 | |
| 5 | 159.20 | 159.20 | 159.27 | 159.34 | 159.44 | 159.43 | 159.44 | 159.10 | 159.23 | 159.16 | 159.16 | 159.14 | |
| 6 | 159.20 | 159.20 | 159.27 | 159.42 | 159.42 | 159.41 | 159.57 | 159.10 | 159.23 | 159.16 | 159.16 | 159.14 | |
| 7 | 159.20 | 159.20 | 159.27 | 159.43 | 159.43 | 159.37 | 159.66 | 159.10 | 159.23 | 159.16 | 159.16 | 159.14 | |
| 8 | 159.20 | 159.20 | 159.27 | 159.39 | 159.45 | 159.37 | 159.64 | 159.10 | 159.23 | 159.16 | 159.16 | 159.14 | |
| 9 | 159.20 | 159.20 | 159.27 | 159.39 | 159.44 | 159.37 | 159.67 | 159.08 | 159.23 | 159.16 | 159.16 | 159.14 | |
| 10 | 159.20 | 159.20 | 159.27 | 159.32 | 159.42 | 159.37 | 159.85 | 159.09 | 159.23 | 159.16 | 159.16 | 159.14 | |
| 11 | 159.20 | 159.20 | 159.27 | 159.31 | 159.41 | 159.35 | 160.19 | 159.11 | 159.17 | 159.16 | 159.16 | 159.14 | |
| 12 | 159.20 | 159.20 | 159.27 | 159.33 | 159.39 | 159.35 | 159.79 | 159.09 | 159.17 | 159.15 | 159.16 | 159.14 | |
| 13 | 159.20 | 159.20 | 159.27 | 159.33 | 159.39 | 159.57 | 159.76 | 159.09 | 159.17 | 159.17 | 159.16 | 159.14 | |
| 14 | 159.20 | 159.20 | 159.27 | 159.31 | 159.36 | 159.54 | 159.42 | 159.09 | 159.13 | 159.19 | 159.16 | 159.14 | |
| 15 | 159.20 | 159.20 | 159.27 | 159.29 | 159.35 | 159.47 | 159.52 | 159.09 | 159.18 | 159.19 | 159.16 | 159.14 | |
| 16 | 159.20 | 159.20 | 159.27 | 159.29 | 159.33 | 159.46 | 159.50 | 159.09 | 159.17 | 159.19 | 159.16 | 159.14 | |
| 17 | 159.20 | 159.20 | 159.27 | 159.28 | 159.32 | 159.46 | 159.45 | 159.09 | 159.17 | 159.19 | 159.16 | 159.14 | |
| 18 | 159.20 | 159.19 | 159.27 | 159.31 | 159.50 | 159.44 | 159.43 | 159.09 | 159.18 | 159.19 | 159.16 | 159.14 | |
| 19 | 159.20 | 159.19 | 159.27 | 159.31 | 159.59 | 159.40 | 159.43 | 159.09 | 159.17 | 159.19 | 159.16 | 159.14 | |
| 20 | 159.20 | 159.19 | 159.27 | 159.31 | 159.59 | 160.31 | 159.43 | 159.09 | 159.17 | 159.19 | 159.16 | 159.14 | |
| 21 | 159.20 | 159.20 | 159.27 | 159.32 | 159.49 | 160.87 | 159.41 | 159.22 | 159.17 | 159.19 | 159.13 | 159.16 | |
| 22 | 159.20 | 159.20 | 159.35 | 159.34 | 159.41 | 160.70 | 159.39 | 159.22 | 159.17 | 159.17 | 159.13 | 159.16 | |
| 23 | 159.20 | 159.86 | 159.27 | 159.32 | 159.38 | 160.47 | 159.36 | 159.22 | 159.17 | 159.17 | 159.13 | 159.16 | |
| 24 | 159.20 | 159.26 | 159.27 | 159.31 | 159.34 | 160.53 | 159.34 | 159.22 | 159.17 | 159.17 | 159.13 | 159.16 | |
| 25 | 159.20 | 159.22 | 159.27 | 159.32 | 159.43 | 160.52 | 159.34 | 159.22 | 159.17 | 159.17 | 159.17 | 159.16 | |
| 26 | 159.20 | 159.23 | 159.27 | 159.36 | 159.43 | 159.77 | 159.31 | 159.22 | 159.17 | 159.17 | 159.16 | 159.16 | |
| 27 | 159.20 | 159.22 | 159.27 | 159.35 | 159.48 | 159.55 | 159.30 | 159.22 | 159.17 | 159.16 | 159.14 | 159.16 | |
| 28 | 159.20 | 159.20 | 159.27 | 159.34 | 159.59 | 159.46 | 159.30 | 159.22 | 159.17 | 159.16 | 159.14 | 159.15 | |
| 29 | 159.20 | 159.20 | 159.27 | 159.35 | 159.57 | 159.43 | 159.30 | 159.22 | 159.17 | 159.16 | | 159.15 | |
| 30 | 159.20 | 159.19 | 159.27 | 159.46 | 159.57 | 159.43 | 159.30 | 159.22 | 159.08 | 159.16 | | 159.15 | |
| 31 | | 159.17 | | 160.04 | 160.12 | | 159.28 | | 159.16 | 159.16 | | 159.15 | |
| Mean | 159.20 | 159.22 | 159.27 | 159.36 | 159.47 | 159.72 | 159.49 | 159.15 | 159.18 | 159.17 | 159.16 | 159.15 | |
| Max | 159.20 | 159.86 | 159.35 | 160.04 | 160.12 | 160.87 | 160.19 | 159.27 | 159.23 | 159.19 | 159.17 | 159.16 | 160.87 |
| Min | 159.20 | 159.17 | 159.27 | 159.28 | 159.32 | 159.35 | 159.28 | 159.08 | 159.08 | 159.15 | 159.13 | 159.14 | 159.08 |

Annual Max Momentary Gage Height 161.95 m. (MSL.) , at 24.00 Hours , on Sep 21, 2006

Zero Gage at Bottom Elevation 157.27 m. (MSL.) , River Bed 157.93 m. (MSL.)

Left Bank Elevation 167.45 m. (MSL.) ,

Right Bank Elevation 167.29 m. (MSL.) , Drainage Are 336 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.00 | 1.00 | 3.70 | 4.56 | 20.43 | 68.05 | 55.02 | 48.06 | 1.60 | 0.70 | 0.70 | 0.40 | | |
| 2 | 1.00 | 1.00 | 3.10 | 4.56 | 11.31 | 46.88 | 55.02 | 47.48 | 1.60 | 0.60 | 0.60 | 0.40 | | |
| 3 | 1.00 | 1.00 | 3.10 | 5.12 | 17.58 | 18.15 | 58.48 | 46.32 | 1.60 | 0.60 | 0.60 | 0.40 | | |
| 4 | 1.00 | 1.00 | 3.10 | 6.24 | 13.02 | 14.16 | 58.48 | 39.84 | 1.90 | 0.60 | 0.60 | 0.40 | | |
| 5 | 1.00 | 1.00 | 3.10 | 6.24 | 11.88 | 11.31 | 58.48 | 38.80 | 1.90 | 0.60 | 0.60 | 0.40 | | |
| 6 | 1.00 | 1.00 | 3.10 | 10.74 | 10.74 | 10.17 | 67.84 | 38.80 | 1.90 | 0.60 | 0.60 | 0.40 | | |
| 7 | 1.00 | 1.00 | 3.10 | 11.31 | 11.31 | 7.92 | 74.50 | 38.80 | 1.90 | 0.60 | 0.60 | 0.40 | | |
| 8 | 1.00 | 1.00 | 3.10 | 9.04 | 12.45 | 7.92 | 73.00 | 38.80 | 1.90 | 0.60 | 0.60 | 0.40 | | |
| 9 | 1.00 | 1.00 | 3.10 | 9.04 | 11.88 | 7.92 | 75.25 | 37.76 | 1.90 | 0.60 | 0.60 | 0.40 | | |
| 10 | 1.00 | 1.00 | 3.10 | 5.12 | 10.74 | 7.92 | 89.65 | 38.28 | 1.90 | 0.60 | 0.60 | 0.40 | | |
| 11 | 1.00 | 1.00 | 3.10 | 4.56 | 10.17 | 6.80 | 121.27 | 39.32 | 0.70 | 0.60 | 0.60 | 0.40 | | |
| 12 | 1.00 | 1.00 | 3.10 | 5.68 | 9.04 | 6.80 | 84.25 | 38.28 | 0.70 | 0.50 | 0.60 | 0.40 | | |
| 13 | 1.00 | 1.00 | 3.10 | 5.68 | 9.04 | 19.29 | 82.00 | 38.28 | 0.70 | 0.70 | 0.60 | 0.40 | | |
| 14 | 1.00 | 1.00 | 3.10 | 4.56 | 7.36 | 17.58 | 57.04 | 38.28 | 0.30 | 0.90 | 0.60 | 0.40 | | |
| 15 | 1.00 | 1.00 | 3.10 | 3.70 | 6.80 | 13.59 | 64.24 | 38.28 | 0.80 | 0.90 | 0.60 | 0.40 | | |
| 16 | 1.00 | 1.00 | 3.10 | 3.70 | 5.68 | 13.02 | 62.80 | 38.28 | 0.70 | 0.90 | 0.60 | 0.40 | | |
| 17 | 1.00 | 1.00 | 3.10 | 3.40 | 5.12 | 13.02 | 59.20 | 38.28 | 0.70 | 0.90 | 0.60 | 0.40 | | |
| 18 | 1.00 | 0.90 | 3.10 | 4.56 | 15.30 | 11.88 | 57.76 | 38.28 | 0.80 | 0.90 | 0.60 | 0.40 | | |
| 19 | 1.00 | 0.90 | 3.10 | 4.56 | 20.43 | 9.60 | 57.76 | 38.28 | 0.70 | 0.90 | 0.60 | 0.40 | | |
| 20 | 1.00 | 0.90 | 3.10 | 4.56 | 20.43 | 133.64 | 57.76 | 38.28 | 0.70 | 0.90 | 0.60 | 0.40 | | |
| 21 | 1.00 | 1.00 | 3.10 | 5.12 | 14.73 | 191.88 | 56.32 | 1.60 | 0.70 | 0.90 | 0.30 | 0.60 | | |
| 22 | 1.00 | 1.00 | 6.80 | 6.24 | 10.17 | 174.20 | 55.02 | 1.60 | 0.70 | 0.70 | 0.30 | 0.60 | | |
| 23 | 1.00 | 41.92 | 3.10 | 5.12 | 8.48 | 150.28 | 53.28 | 1.60 | 0.70 | 0.70 | 0.30 | 0.60 | | |
| 24 | 1.00 | 2.80 | 3.10 | 4.56 | 6.24 | 156.52 | 52.12 | 1.60 | 0.70 | 0.70 | 0.30 | 0.60 | | |
| 25 | 1.00 | 1.60 | 3.10 | 5.12 | 11.31 | 155.48 | 52.12 | 1.60 | 0.70 | 0.70 | 0.70 | 0.60 | | |
| 26 | 1.00 | 1.90 | 3.10 | 7.36 | 11.31 | 82.75 | 50.38 | 1.60 | 0.70 | 0.70 | 0.60 | 0.60 | | |
| 27 | 1.00 | 1.60 | 3.10 | 6.80 | 14.16 | 66.40 | 49.80 | 1.60 | 0.70 | 0.60 | 0.40 | 0.60 | | |
| 28 | 1.00 | 1.00 | 3.10 | 6.24 | 20.43 | 59.92 | 49.80 | 1.60 | 0.70 | 0.60 | 0.40 | 0.50 | | |
| 29 | 1.00 | 1.00 | 3.10 | 6.80 | 19.29 | 57.76 | 49.80 | 1.60 | 0.70 | 0.60 | | 0.50 | | |
| 30 | 1.00 | 0.90 | 3.10 | 13.02 | 19.29 | 57.76 | 49.80 | 1.60 | 0.00 | 0.60 | | 0.50 | | |
| 31 | | 0.70 | | 57.00 | 63.80 | | 48.64 | | 0.60 | 0.60 | | 0.50 | | |
| Total | 30.00 | 75.12 | 97.30 | 240.31 | 439.92 | 1598.57 | 1936.88 | 812.78 | 31.80 | 21.60 | 15.40 | 14.20 | 5313.88 | CMSDAY |
| Mean | 1.00 | 2.42 | 3.24 | 7.75 | 14.19 | 53.29 | 62.48 | 27.09 | 1.03 | 0.70 | 0.55 | 0.46 | 14.56 | CMS |
| Max | 1.00 | 41.92 | 6.80 | 57.00 | 63.80 | 191.88 | 121.27 | 48.06 | 1.90 | 0.90 | 0.70 | 0.60 | 191.88 | CMS |
| Min | 1.00 | 0.70 | 3.10 | 3.40 | 5.12 | 6.80 | 48.64 | 1.60 | 0.00 | 0.50 | 0.30 | 0.40 | 0.00 | CMS |
| Runoff | 2.59 | 6.49 | 8.41 | 20.76 | 38.01 | 138.12 | 167.35 | 70.22 | 2.75 | 1.87 | 1.33 | 1.23 | 459.12 | MCM |

Momentary Peak 305.00 CMS. at 161.95 m. (MSL.) at 24.00 Hours , on Sep 21, 2006

Runoff Yield 43.33 Liters/Second/Square KM. Momentary Peak Yield 907.74 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Nam Khuan at Ban Pa Kha , Phayao (Y.36)

Lat 19 - 09 - 24 N Long 100 - 19 - 36 E

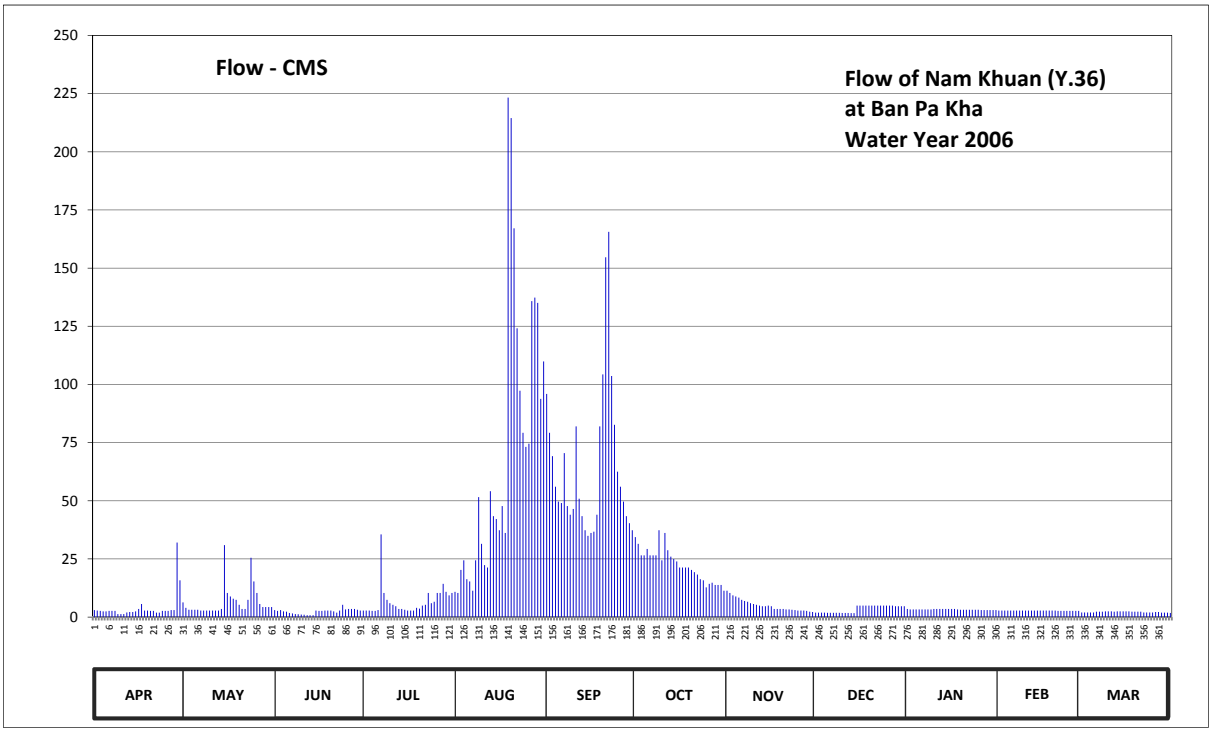
**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Pa Kha | **Amphoe** Pong | **Changwat** Phayao |
| **Drainge Area** | 853 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +298.586 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 20 meters from the abutment of the bridge. | **Elevation** +307.764 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1998 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1998 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1998 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Flow effected by the islet at the gage site. | | |
| | Stage-discharge relation defined by 13 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 300.36 | 300.48 | 300.36 | 300.35 | 300.58 | 301.97 | 301.03 | 300.59 | 300.29 | 300.39 | 300.35 | 300.30 | |
| 2 | 300.35 | 300.41 | 300.34 | 300.35 | 300.57 | 301.73 | 300.98 | 300.57 | 300.29 | 300.38 | 300.35 | 300.30 | |
| 3 | 300.34 | 300.37 | 300.36 | 300.35 | 300.77 | 301.58 | 300.89 | 300.55 | 300.29 | 300.38 | 300.35 | 300.30 | |
| 4 | 300.33 | 300.37 | 300.33 | 300.34 | 300.85 | 301.38 | 300.89 | 300.54 | 300.29 | 300.38 | 300.35 | 300.30 | |
| 5 | 300.33 | 300.37 | 300.32 | 300.34 | 300.69 | 301.28 | 300.94 | 300.53 | 300.28 | 300.38 | 300.35 | 300.30 | |
| 6 | 300.34 | 300.37 | 300.27 | 300.36 | 300.67 | 301.27 | 300.89 | 300.51 | 300.28 | 300.38 | 300.35 | 300.32 | |
| 7 | 300.34 | 300.35 | 300.23 | 301.05 | 300.59 | 301.60 | 300.89 | 300.50 | 300.28 | 300.38 | 300.35 | 300.32 | |
| 8 | 300.34 | 300.35 | 300.19 | 300.57 | 300.85 | 301.25 | 300.89 | 300.49 | 300.28 | 300.38 | 300.35 | 300.32 | |
| 9 | 300.19 | 300.35 | 300.17 | 300.51 | 301.31 | 301.19 | 301.08 | 300.47 | 300.28 | 300.38 | 300.35 | 300.33 | |
| 10 | 300.19 | 300.35 | 300.15 | 300.47 | 300.98 | 301.23 | 300.85 | 300.46 | 300.27 | 300.39 | 300.35 | 300.33 | |
| 11 | 300.19 | 300.35 | 300.13 | 300.45 | 300.81 | 301.77 | 301.06 | 300.45 | 300.27 | 300.39 | 300.35 | 300.33 | |
| 12 | 300.30 | 300.35 | 300.09 | 300.43 | 300.79 | 301.30 | 300.93 | 300.44 | 300.27 | 300.39 | 300.35 | 300.32 | |
| 13 | 300.31 | 300.35 | 300.09 | 300.39 | 301.35 | 301.18 | 300.88 | 300.43 | 300.26 | 300.39 | 300.35 | 300.33 | |
| 14 | 300.31 | 300.39 | 300.09 | 300.39 | 301.18 | 301.08 | 300.86 | 300.43 | 300.25 | 300.39 | 300.35 | 300.33 | |
| 15 | 300.33 | 300.97 | 300.35 | 300.37 | 301.16 | 301.04 | 300.84 | 300.44 | 300.44 | 300.39 | 300.35 | 300.33 | |
| 16 | 300.39 | 300.57 | 300.34 | 300.35 | 301.08 | 301.06 | 300.79 | 300.43 | 300.44 | 300.39 | 300.35 | 300.33 | |
| 17 | 300.46 | 300.54 | 300.34 | 300.35 | 301.25 | 301.07 | 300.79 | 300.39 | 300.44 | 300.39 | 300.35 | 300.33 | |
| 18 | 300.35 | 300.52 | 300.35 | 300.35 | 301.06 | 301.19 | 300.79 | 300.39 | 300.44 | 300.38 | 300.35 | 300.32 | |
| 19 | 300.35 | 300.51 | 300.35 | 300.41 | 303.65 | 301.77 | 300.79 | 300.39 | 300.44 | 300.37 | 300.35 | 300.32 | |
| 20 | 300.34 | 300.45 | 300.35 | 300.40 | 303.54 | 302.09 | 300.77 | 300.39 | 300.44 | 300.37 | 300.35 | 300.32 | |
| 21 | 300.34 | 300.39 | 300.33 | 300.44 | 302.94 | 302.78 | 300.75 | 300.38 | 300.44 | 300.37 | 300.34 | 300.32 | |
| 22 | 300.29 | 300.39 | 300.29 | 300.45 | 302.37 | 302.92 | 300.73 | 300.38 | 300.44 | 300.37 | 300.34 | 300.30 | |
| 23 | 300.29 | 300.51 | 300.35 | 300.57 | 301.99 | 302.08 | 300.69 | 300.37 | 300.44 | 300.37 | 300.34 | 300.30 | |
| 24 | 300.34 | 300.87 | 300.45 | 300.47 | 301.73 | 301.78 | 300.68 | 300.36 | 300.44 | 300.37 | 300.34 | 300.30 | |
| 25 | 300.34 | 300.67 | 300.38 | 300.49 | 301.64 | 301.48 | 300.62 | 300.35 | 300.44 | 300.37 | 300.34 | 300.30 | |
| 26 | 300.34 | 300.57 | 300.39 | 300.57 | 301.66 | 301.38 | 300.65 | 300.35 | 300.44 | 300.36 | 300.34 | 300.31 | |
| 27 | 300.36 | 300.46 | 300.39 | 300.57 | 302.53 | 301.28 | 300.66 | 300.35 | 300.44 | 300.36 | 300.34 | 300.31 | |
| 28 | 300.36 | 300.42 | 300.39 | 300.65 | 302.55 | 301.18 | 300.64 | 300.34 | 300.43 | 300.36 | 300.34 | 300.29 | |
| 29 | 300.99 | 300.42 | 300.37 | 300.58 | 302.52 | 301.13 | 300.64 | 300.32 | 300.43 | 300.36 | | 300.29 | |
| 30 | 300.68 | 300.42 | 300.35 | 300.55 | 301.94 | 301.08 | 300.64 | 300.31 | 300.43 | 300.36 | | 300.29 | |
| 31 | | 300.42 | | 300.57 | 302.17 | | 300.59 | | 300.43 | 300.36 | | 300.27 | |
| Mean | 300.36 | 300.46 | 300.30 | 300.47 | 301.54 | 301.50 | 300.81 | 300.43 | 300.37 | 300.38 | 300.35 | 300.31 | |
| Max | 300.99 | 300.97 | 300.45 | 301.05 | 303.65 | 302.92 | 301.08 | 300.59 | 300.44 | 300.39 | 300.35 | 300.33 | 303.65 |
| Min | 300.19 | 300.35 | 300.09 | 300.34 | 300.57 | 301.04 | 300.59 | 300.31 | 300.25 | 300.36 | 300.34 | 300.27 | 300.09 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 305.12 | m. (MSL.) , | at 20.00 Hours , on Aug 19, 2006 | | |
| Zero Gage at Bottom Elevation | 298.59 | m. (MSL.) , | River Bed | 299.16 | m. (MSL.) |
| Left Bank Elevation | 307.37 | m. (MSL.) , | | | |
| Right Bank Elevation | 307.40 | m. (MSL.) , | Drainage Are | 853 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.99 | 6.29 | 2.99 | 2.83 | 10.83 | 95.90 | 34.37 | 11.32 | 1.94 | 3.49 | 2.83 | 2.00 | | |
| 2 | 2.83 | 3.98 | 2.66 | 2.83 | 10.35 | 79.24 | 31.49 | 10.35 | 1.94 | 3.32 | 2.83 | 2.00 | | |
| 3 | 2.66 | 3.16 | 2.99 | 2.83 | 20.30 | 69.16 | 26.53 | 9.38 | 1.94 | 3.32 | 2.83 | 2.00 | | |
| 4 | 2.50 | 3.16 | 2.50 | 2.66 | 24.43 | 56.02 | 26.53 | 8.89 | 1.94 | 3.32 | 2.83 | 2.00 | | |
| 5 | 2.50 | 3.16 | 2.33 | 2.66 | 16.30 | 49.64 | 29.27 | 8.41 | 1.87 | 3.32 | 2.83 | 2.00 | | |
| 6 | 2.66 | 3.16 | 1.81 | 2.99 | 15.30 | 49.01 | 26.53 | 7.44 | 1.87 | 3.32 | 2.83 | 2.33 | | |
| 7 | 2.66 | 2.83 | 1.55 | 35.55 | 11.32 | 70.50 | 26.53 | 6.95 | 1.87 | 3.32 | 2.83 | 2.33 | | |
| 8 | 2.66 | 2.83 | 1.30 | 10.35 | 24.43 | 47.75 | 26.53 | 6.62 | 1.87 | 3.32 | 2.83 | 2.33 | | |
| 9 | 1.30 | 2.83 | 1.20 | 7.44 | 51.54 | 43.99 | 37.32 | 5.96 | 1.87 | 3.32 | 2.83 | 2.50 | | |
| 10 | 1.30 | 2.83 | 1.10 | 5.96 | 31.49 | 46.49 | 24.43 | 5.63 | 1.81 | 3.49 | 2.83 | 2.50 | | |
| 11 | 1.30 | 2.83 | 1.00 | 5.30 | 22.33 | 81.96 | 36.14 | 5.30 | 1.81 | 3.49 | 2.83 | 2.50 | | |
| 12 | 2.00 | 2.83 | 0.80 | 4.64 | 21.30 | 50.90 | 28.72 | 4.97 | 1.81 | 3.49 | 2.83 | 2.33 | | |
| 13 | 2.17 | 2.83 | 0.80 | 3.49 | 54.10 | 43.38 | 26.00 | 4.64 | 1.74 | 3.49 | 2.83 | 2.50 | | |
| 14 | 2.17 | 3.49 | 0.80 | 3.49 | 43.38 | 37.32 | 24.95 | 4.64 | 1.68 | 3.49 | 2.83 | 2.50 | | |
| 15 | 2.50 | 30.94 | 2.83 | 3.16 | 42.16 | 34.96 | 23.90 | 4.97 | 4.97 | 3.49 | 2.83 | 2.50 | | |
| 16 | 3.49 | 10.35 | 2.66 | 2.83 | 37.32 | 36.14 | 21.30 | 4.64 | 4.97 | 3.49 | 2.83 | 2.50 | | |
| 17 | 5.63 | 8.89 | 2.66 | 2.83 | 47.75 | 36.73 | 21.30 | 3.49 | 4.97 | 3.49 | 2.83 | 2.50 | | |
| 18 | 2.83 | 7.92 | 2.83 | 2.83 | 36.14 | 43.99 | 21.30 | 3.49 | 4.97 | 3.32 | 2.83 | 2.33 | | |
| 19 | 2.83 | 7.44 | 2.83 | 3.98 | 223.30 | 81.96 | 21.30 | 3.49 | 4.97 | 3.16 | 2.83 | 2.33 | | |
| 20 | 2.66 | 5.30 | 2.83 | 3.65 | 214.50 | 104.30 | 20.30 | 3.49 | 4.97 | 3.16 | 2.83 | 2.33 | | |
| 21 | 2.66 | 3.49 | 2.50 | 4.97 | 167.12 | 154.66 | 19.30 | 3.32 | 4.97 | 3.16 | 2.66 | 2.33 | | |
| 22 | 1.94 | 3.49 | 1.94 | 5.30 | 124.14 | 165.56 | 18.30 | 3.32 | 4.97 | 3.16 | 2.66 | 2.00 | | |
| 23 | 1.94 | 7.44 | 2.83 | 10.35 | 97.30 | 103.60 | 16.30 | 3.16 | 4.97 | 3.16 | 2.66 | 2.00 | | |
| 24 | 2.66 | 25.48 | 5.30 | 5.96 | 79.24 | 82.64 | 15.80 | 2.99 | 4.97 | 3.16 | 2.66 | 2.00 | | |
| 25 | 2.66 | 15.30 | 3.32 | 6.62 | 73.18 | 62.50 | 12.80 | 2.83 | 4.97 | 3.16 | 2.66 | 2.00 | | |
| 26 | 2.66 | 10.35 | 3.49 | 10.35 | 74.52 | 56.02 | 14.30 | 2.83 | 4.97 | 2.99 | 2.66 | 2.17 | | |
| 27 | 2.99 | 5.63 | 3.49 | 10.35 | 135.82 | 49.64 | 14.80 | 2.83 | 4.97 | 2.99 | 2.66 | 2.17 | | |
| 28 | 2.99 | 4.31 | 3.49 | 14.30 | 137.30 | 43.38 | 13.80 | 2.66 | 4.64 | 2.99 | 2.66 | 1.94 | | |
| 29 | 32.05 | 4.31 | 3.16 | 10.83 | 135.08 | 40.33 | 13.80 | 2.33 | 4.64 | 2.99 | | 1.94 | | |
| 30 | 15.80 | 4.31 | 2.83 | 9.38 | 93.80 | 37.32 | 13.80 | 2.17 | 4.64 | 2.99 | | 1.94 | | |
| 31 | | 4.31 | | 10.35 | 109.90 | | 11.32 | | 4.64 | 2.99 | | 1.81 | | |
| Total | 119.99 | 205.47 | 72.82 | 211.06 | 2185.97 | 1954.99 | 699.06 | 152.51 | 109.13 | 101.35 | 77.88 | 68.61 | 5958.84 | CMSDAY |
| Mean | 4.00 | 6.63 | 2.43 | 6.81 | 70.52 | 65.17 | 22.55 | 5.08 | 3.52 | 3.27 | 2.78 | 2.21 | 16.33 | CMS |
| Max | 32.05 | 30.94 | 5.30 | 35.55 | 223.30 | 165.56 | 37.32 | 11.32 | 4.97 | 3.49 | 2.83 | 2.50 | 223.30 | CMS |
| Min | 1.30 | 2.83 | 0.80 | 2.66 | 10.35 | 34.96 | 11.32 | 2.17 | 1.68 | 2.99 | 2.66 | 1.81 | 0.80 | CMS |
| Runoff | 10.37 | 17.75 | 6.29 | 18.24 | 188.87 | 168.91 | 60.40 | 13.18 | 9.43 | 8.76 | 6.73 | 5.93 | 514.84 | MCM |

Momentary Peak 344.20 CMS. at 305.12 m. (MSL.) at 20.00 Hours , on Aug 19, 2006

Runoff Yield 19.14 Liters/Second/Square KM. Momentary Peak Yield 403.52 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Yom River at Ban Wang Chin , Phrae (Y.37)

Lat 17 - 53 - 48 N Long 99 - 36 - 28 E

**Location : on left bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Chin | **Amphoe** Wang Chin | **Changwat** Phrae |
| **Drainge Area** | 10,305 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 5 meters from the top staff gage. | **Elevation** | +10.030 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. The weir situated about 1 kilometer downstream from the gage site. Stage-discharge relation defined by 20 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

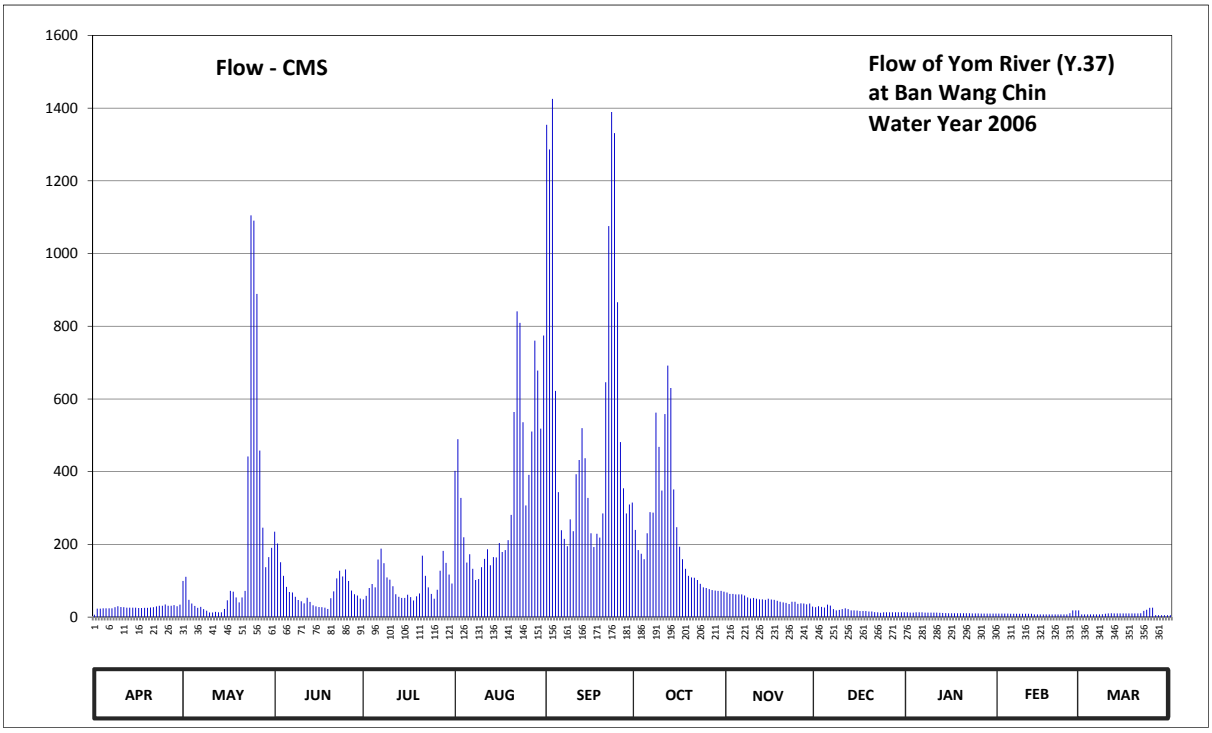
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.94 | 3.34 | 4.71 | 2.70 | 5.93 | 10.36 | 4.75 | 2.95 | 2.35 | 2.10 | 2.02 | 1.97 | |
| 2 | 2.28 | 3.47 | 4.43 | 2.83 | 6.37 | 10.09 | 4.26 | 2.90 | 2.40 | 2.08 | 2.02 | 1.97 | |
| 3 | 2.28 | 2.68 | 3.92 | 3.11 | 5.44 | 10.64 | 4.16 | 2.90 | 2.37 | 2.08 | 2.02 | 1.97 | |
| 4 | 2.30 | 2.52 | 3.50 | 3.24 | 4.58 | 7.17 | 4.01 | 2.88 | 2.34 | 2.10 | 2.02 | 1.97 | |
| 5 | 2.30 | 2.41 | 3.15 | 3.13 | 3.91 | 5.55 | 4.67 | 2.88 | 2.47 | 2.10 | 2.01 | 1.97 | |
| 6 | 2.30 | 2.32 | 2.97 | 4.00 | 4.15 | 4.74 | 5.15 | 2.88 | 2.43 | 2.10 | 2.01 | 1.97 | |
| 7 | 2.30 | 2.37 | 2.95 | 4.30 | 3.72 | 4.54 | 5.14 | 2.84 | 2.26 | 2.08 | 2.01 | 1.97 | |
| 8 | 2.35 | 2.26 | 2.79 | 3.89 | 3.37 | 4.36 | 6.86 | 2.77 | 2.20 | 2.08 | 2.01 | 1.98 | |
| 9 | 2.40 | 2.18 | 2.67 | 3.45 | 3.40 | 4.99 | 6.29 | 2.73 | 2.22 | 2.08 | 2.01 | 2.01 | |
| 10 | 2.36 | 2.09 | 2.62 | 3.38 | 3.77 | 4.72 | 5.58 | 2.75 | 2.26 | 2.08 | 2.01 | 2.03 | |
| 11 | 2.35 | 2.09 | 2.53 | 3.17 | 4.02 | 5.87 | 6.84 | 2.72 | 2.30 | 2.08 | 2.01 | 2.04 | |
| 12 | 2.33 | 2.12 | 2.76 | 2.89 | 4.28 | 6.12 | 7.52 | 2.70 | 2.26 | 2.07 | 2.01 | 2.03 | |
| 13 | 2.33 | 2.10 | 2.59 | 2.79 | 3.83 | 6.57 | 7.21 | 2.70 | 2.20 | 2.06 | 1.97 | 2.03 | |
| 14 | 2.33 | 2.10 | 2.44 | 2.75 | 4.07 | 6.15 | 5.60 | 2.68 | 2.20 | 2.05 | 1.97 | 2.03 | |
| 15 | 2.33 | 2.27 | 2.39 | 2.75 | 4.06 | 5.44 | 4.81 | 2.72 | 2.19 | 2.04 | 1.97 | 2.03 | |
| 16 | 2.31 | 2.66 | 2.36 | 2.87 | 4.44 | 4.67 | 4.35 | 2.69 | 2.16 | 2.04 | 1.97 | 2.03 | |
| 17 | 2.31 | 3.01 | 2.35 | 2.78 | 4.21 | 4.34 | 4.01 | 2.68 | 2.16 | 2.04 | 1.97 | 2.03 | |
| 18 | 2.32 | 2.98 | 2.33 | 2.65 | 4.26 | 4.66 | 3.72 | 2.64 | 2.16 | 2.04 | 1.97 | 2.03 | |
| 19 | 2.32 | 2.77 | 2.27 | 2.81 | 4.51 | 4.57 | 3.50 | 2.60 | 2.14 | 2.04 | 1.97 | 2.03 | |
| 20 | 2.34 | 2.57 | 2.74 | 2.92 | 5.09 | 5.12 | 3.45 | 2.57 | 2.14 | 2.04 | 1.97 | 2.03 | |
| 21 | 2.35 | 2.77 | 2.99 | 4.11 | 6.87 | 7.29 | 3.44 | 2.55 | 2.11 | 2.04 | 1.97 | 2.04 | |
| 22 | 2.39 | 3.01 | 3.42 | 3.50 | 8.23 | 9.24 | 3.37 | 2.50 | 2.10 | 2.04 | 1.97 | 2.17 | |
| 23 | 2.42 | 6.18 | 3.66 | 3.13 | 8.09 | 10.50 | 3.25 | 2.60 | 2.07 | 2.03 | 1.97 | 2.23 | |
| 24 | 2.42 | 9.36 | 3.48 | 2.90 | 6.69 | 10.27 | 3.13 | 2.60 | 2.10 | 2.03 | 1.97 | 2.32 | |
| 25 | 2.48 | 9.30 | 3.70 | 2.72 | 5.29 | 8.34 | 3.11 | 2.51 | 2.10 | 2.03 | 2.04 | 2.33 | |
| 26 | 2.42 | 8.44 | 3.34 | 3.05 | 5.86 | 6.34 | 3.07 | 2.53 | 2.10 | 2.02 | 2.20 | 2.32 | |
| 27 | 2.42 | 6.25 | 3.02 | 3.66 | 6.50 | 5.62 | 3.04 | 2.52 | 2.10 | 2.02 | 2.20 | 2.33 | |
| 28 | 2.45 | 4.80 | 2.89 | 4.24 | 7.86 | 5.12 | 3.02 | 2.49 | 2.10 | 2.02 | 2.20 | 2.33 | |
| 29 | 2.40 | 3.77 | 2.84 | 3.90 | 7.45 | 5.31 | 3.01 | 2.52 | 2.10 | 2.02 | | 2.33 | |
| 30 | 2.47 | 4.07 | 2.73 | 3.54 | 6.56 | 5.35 | 3.01 | 2.38 | 2.10 | 2.02 | | 2.33 | |
| 31 | | 4.32 | | 3.26 | 7.93 | | 2.98 | | 2.10 | 2.02 | | 2.33 | |
| Mean | 2.34 | 3.63 | 3.02 | 3.24 | 5.31 | 6.47 | 4.40 | 2.68 | 2.20 | 2.05 | 2.02 | 2.10 | |
| Max | 2.48 | 9.36 | 4.71 | 4.30 | 8.23 | 10.64 | 7.52 | 2.95 | 2.47 | 2.10 | 2.20 | 2.33 | 10.64 |
| Min | 1.94 | 2.09 | 2.27 | 2.65 | 3.37 | 4.34 | 2.98 | 2.38 | 2.07 | 2.02 | 1.97 | 1.97 | 1.94 |

Annual Max Momentary Gage Height 10.95 m. (A.D.) , at 06.00 Hours , on Sep 3, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.47 m. (A.D.)

Left Bank Elevation 13.03 m. (A.D.) ,

Right Bank Elevation 13.97 m. (A.D.) , Drainage Are 10,305 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.48 | 99.42 | 235.20 | 49.00 | 402.15 | 1354.00 | 240.00 | 67.60 | 27.15 | 13.30 | 9.62 | 7.59 | | |
| 2 | 23.16 | 110.86 | 202.45 | 58.62 | 489.20 | 1286.50 | 184.30 | 63.80 | 30.00 | 12.38 | 9.62 | 7.59 | | |
| 3 | 23.16 | 47.66 | 150.92 | 80.03 | 327.80 | 1425.40 | 174.04 | 63.80 | 28.29 | 12.38 | 9.62 | 7.59 | | |
| 4 | 24.30 | 37.18 | 113.50 | 90.86 | 219.70 | 622.15 | 159.19 | 62.32 | 26.58 | 13.30 | 9.62 | 7.59 | | |
| 5 | 24.30 | 30.59 | 83.35 | 81.69 | 150.01 | 343.75 | 230.40 | 62.32 | 34.13 | 13.30 | 9.16 | 7.59 | | |
| 6 | 24.30 | 25.44 | 69.12 | 158.20 | 173.05 | 238.80 | 288.75 | 62.32 | 31.77 | 13.30 | 9.16 | 7.59 | | |
| 7 | 24.30 | 28.29 | 67.60 | 188.50 | 132.88 | 215.10 | 287.50 | 59.36 | 22.02 | 12.38 | 9.16 | 7.59 | | |
| 8 | 27.15 | 22.02 | 55.66 | 148.19 | 102.06 | 194.80 | 562.40 | 54.18 | 18.60 | 12.38 | 9.16 | 7.96 | | |
| 9 | 30.00 | 17.54 | 46.99 | 109.10 | 104.70 | 268.80 | 468.40 | 51.22 | 19.74 | 12.38 | 9.16 | 9.16 | | |
| 10 | 27.72 | 12.84 | 43.64 | 102.94 | 137.33 | 236.40 | 348.10 | 52.70 | 22.02 | 12.38 | 9.16 | 10.08 | | |
| 11 | 27.15 | 12.84 | 37.82 | 85.01 | 160.18 | 392.85 | 558.60 | 50.48 | 24.30 | 12.38 | 9.16 | 10.54 | | |
| 12 | 26.01 | 14.36 | 53.44 | 63.06 | 186.40 | 432.20 | 692.00 | 49.00 | 22.02 | 11.92 | 9.16 | 10.08 | | |
| 13 | 26.01 | 13.30 | 41.66 | 55.66 | 142.73 | 519.95 | 630.00 | 49.00 | 18.60 | 11.46 | 7.59 | 10.08 | | |
| 14 | 26.01 | 13.30 | 32.36 | 52.70 | 165.13 | 437.00 | 351.00 | 47.66 | 18.60 | 11.00 | 7.59 | 10.08 | | |
| 15 | 26.01 | 22.59 | 29.43 | 52.70 | 164.14 | 327.80 | 247.20 | 50.48 | 18.07 | 10.54 | 7.59 | 10.08 | | |
| 16 | 24.87 | 46.32 | 27.72 | 61.58 | 203.60 | 230.40 | 193.75 | 48.33 | 16.48 | 10.54 | 7.59 | 10.08 | | |
| 17 | 24.87 | 72.18 | 27.15 | 54.92 | 179.05 | 192.70 | 159.19 | 47.66 | 16.48 | 10.54 | 7.59 | 10.08 | | |
| 18 | 25.44 | 69.88 | 26.01 | 45.65 | 184.30 | 229.20 | 132.88 | 44.98 | 16.48 | 10.54 | 7.59 | 10.08 | | |
| 19 | 25.44 | 54.18 | 22.59 | 57.14 | 211.65 | 218.55 | 113.50 | 42.30 | 15.42 | 10.54 | 7.59 | 10.08 | | |
| 20 | 26.58 | 40.38 | 51.96 | 65.32 | 281.25 | 285.00 | 109.10 | 40.38 | 15.42 | 10.54 | 7.59 | 10.08 | | |
| 21 | 27.15 | 54.18 | 70.64 | 169.09 | 564.30 | 646.00 | 108.22 | 39.10 | 13.83 | 10.54 | 7.59 | 10.54 | | |
| 22 | 29.43 | 72.18 | 106.46 | 113.50 | 840.90 | 1075.80 | 102.06 | 35.90 | 13.30 | 10.54 | 7.59 | 17.01 | | |
| 23 | 31.18 | 441.80 | 127.58 | 81.69 | 809.25 | 1389.50 | 91.70 | 42.30 | 11.92 | 10.08 | 7.59 | 20.31 | | |
| 24 | 31.18 | 1105.20 | 111.74 | 63.80 | 536.15 | 1331.50 | 81.69 | 42.30 | 13.30 | 10.08 | 7.59 | 25.44 | | |
| 25 | 34.72 | 1090.50 | 131.10 | 50.48 | 307.15 | 866.20 | 80.03 | 36.54 | 13.30 | 10.08 | 10.54 | 26.01 | | |
| 26 | 31.18 | 889.20 | 99.42 | 75.30 | 391.30 | 481.40 | 76.86 | 37.82 | 13.30 | 9.62 | 18.60 | 5.08 | | |
| 27 | 31.18 | 458.00 | 72.96 | 127.58 | 510.50 | 354.10 | 74.52 | 37.18 | 13.30 | 9.62 | 18.60 | 5.17 | | |
| 28 | 32.95 | 246.00 | 63.06 | 182.20 | 760.30 | 285.00 | 72.96 | 35.31 | 13.30 | 9.62 | 18.60 | 5.17 | | |
| 29 | 30.00 | 137.33 | 59.36 | 149.10 | 678.00 | 309.85 | 72.18 | 37.18 | 13.30 | 9.62 | | 5.17 | | |
| 30 | 34.13 | 165.13 | 51.22 | 117.02 | 518.60 | 315.25 | 72.18 | 28.86 | 13.30 | 9.62 | | 5.17 | | |
| 31 | | 190.60 | | 92.54 | 774.65 | | 69.88 | | 13.30 | 9.62 | | 5.17 | | |
| Total | 806.36 | 5641.29 | 2312.11 | 2883.17 | 10808.41 | 16505.95 | 7032.58 | 1442.38 | 587.62 | 346.52 | 269.18 | 311.83 | 48947.40 | CMSDAY |
| Mean | 26.88 | 181.98 | 77.07 | 93.01 | 348.66 | 550.20 | 226.86 | 48.08 | 18.96 | 11.18 | 9.61 | 10.06 | 134.10 | CMS |
| Max | 34.72 | 1105.20 | 235.20 | 188.50 | 840.90 | 1425.40 | 692.00 | 67.60 | 34.13 | 13.30 | 18.60 | 26.01 | 1425.40 | CMS |
| Min | 6.48 | 12.84 | 22.59 | 45.65 | 102.06 | 192.70 | 69.88 | 28.86 | 11.92 | 9.62 | 7.59 | 5.08 | 5.08 | CMS |
| Runoff | 69.67 | 487.41 | 199.77 | 249.11 | 933.85 | 1426.11 | 607.61 | 124.62 | 50.77 | 29.94 | 23.26 | 26.94 | 4229.06 | MCM |

Momentary Peak 1506.75 CMS. at 10.95 m. (A.D.) at 06.00 Hours , on Sep 3, 2006

Runoff Yield 13.01 Liters/Second/Square KM. Momentary Peak Yield 146.22 Liters/Second/Square KM.

## WATER YEAR : 2006

## YOM RIVER BASIN

### Nam Mae Kham Mi at Ban Mae Kham Mi Tamnak Tham , Phrae (Y.38)

Lat 18 - 15 - 54 N Long 100 - 14 - 28 E

**Location : on right bank at the bridge on road.**

**Ban** Mae Kham Mi Tamnak Tham **Amphoe** Nong Muang Khai **Changwat** Phrae

| | |
|---|---|
| **Drainge Area** | 425 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +170.100 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 15 meters from the top staff gage. **Elevation** +173.100 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1999 to date |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The islet situated of the gage site.<br>Stage-discharge relation defined by 17 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

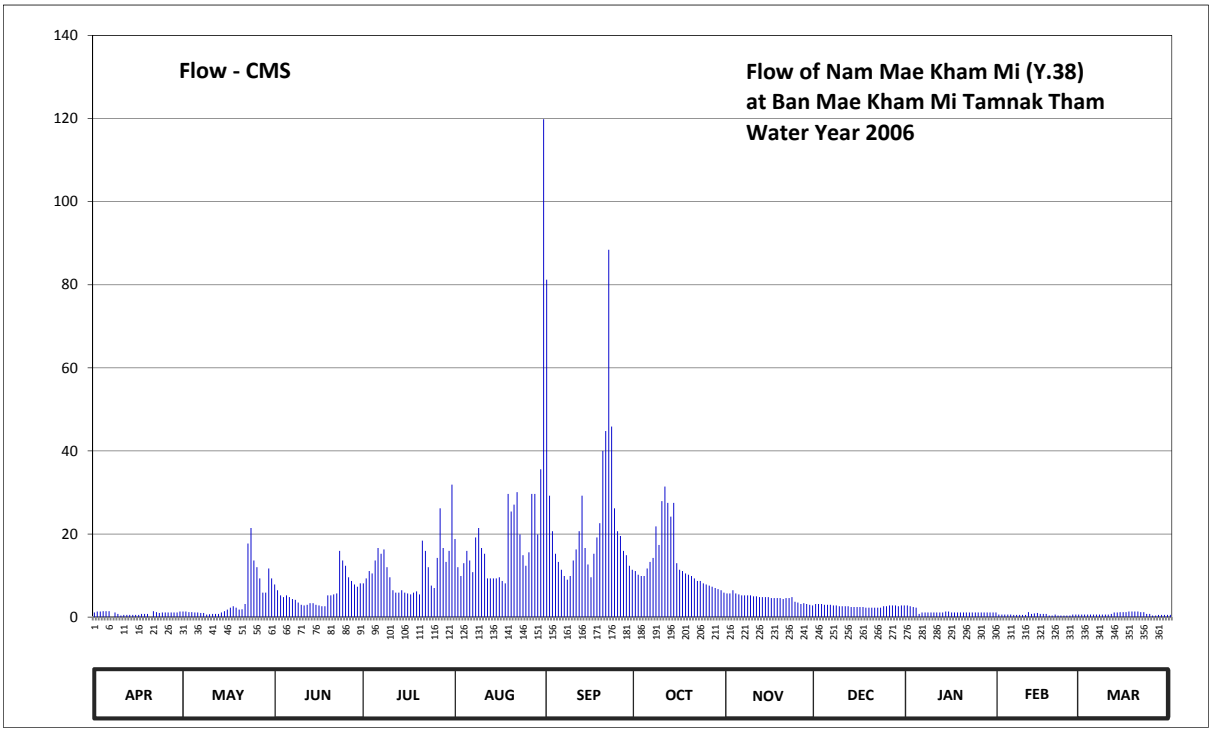
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 172.13 | 172.15 | 172.47 | 172.48 | 172.81 | 173.94 | 172.58 | 172.39 | 172.27 | 172.25 | 172.08 | 172.08 | |
| 2 | 172.15 | 172.15 | 172.42 | 172.52 | 172.61 | 173.07 | 172.55 | 172.39 | 172.27 | 172.24 | 172.08 | 172.08 | |
| 3 | 172.15 | 172.14 | 172.37 | 172.58 | 172.54 | 172.86 | 172.54 | 172.42 | 172.27 | 172.23 | 172.08 | 172.08 | |
| 4 | 172.16 | 172.14 | 172.35 | 172.56 | 172.64 | 172.71 | 172.54 | 172.39 | 172.26 | 172.22 | 172.08 | 172.08 | |
| 5 | 172.16 | 172.13 | 172.37 | 172.66 | 172.73 | 172.65 | 172.60 | 172.38 | 172.26 | 172.10 | 172.08 | 172.08 | |
| 6 | 172.16 | 172.13 | 172.35 | 172.75 | 172.66 | 172.59 | 172.65 | 172.37 | 172.26 | 172.13 | 172.07 | 172.08 | |
| 7 | 171.56 | 172.12 | 172.33 | 172.71 | 172.57 | 172.54 | 172.68 | 172.37 | 172.25 | 172.13 | 172.07 | 172.08 | |
| 8 | 172.13 | 172.12 | 172.32 | 172.74 | 172.82 | 172.51 | 172.89 | 172.37 | 172.25 | 172.13 | 172.07 | 172.08 | |
| 9 | 172.10 | 172.08 | 172.29 | 172.61 | 172.88 | 172.54 | 172.77 | 172.37 | 172.24 | 172.13 | 172.07 | 172.08 | |
| 10 | 172.05 | 172.09 | 172.26 | 172.53 | 172.75 | 172.66 | 173.04 | 172.36 | 172.24 | 172.13 | 172.07 | 172.08 | |
| 11 | 172.07 | 172.10 | 172.25 | 172.42 | 172.71 | 172.74 | 173.12 | 172.36 | 172.24 | 172.13 | 172.14 | 172.10 | |
| 12 | 172.07 | 172.10 | 172.26 | 172.40 | 172.52 | 172.86 | 173.03 | 172.35 | 172.24 | 172.13 | 172.10 | 172.13 | |
| 13 | 172.07 | 172.10 | 172.28 | 172.40 | 172.52 | 173.07 | 172.95 | 172.35 | 172.23 | 172.13 | 172.11 | 172.13 | |
| 14 | 172.07 | 172.13 | 172.28 | 172.42 | 172.52 | 172.75 | 173.03 | 172.35 | 172.23 | 172.15 | 172.12 | 172.14 | |
| 15 | 172.07 | 172.16 | 172.26 | 172.40 | 172.52 | 172.63 | 172.64 | 172.35 | 172.23 | 172.15 | 172.10 | 172.14 | |
| 16 | 172.07 | 172.19 | 172.25 | 172.39 | 172.53 | 172.53 | 172.59 | 172.34 | 172.23 | 172.13 | 172.10 | 172.14 | |
| 17 | 172.10 | 172.22 | 172.24 | 172.38 | 172.50 | 172.71 | 172.58 | 172.34 | 172.23 | 172.13 | 172.10 | 172.15 | |
| 18 | 172.10 | 172.24 | 172.24 | 172.40 | 172.48 | 172.82 | 172.56 | 172.34 | 172.22 | 172.13 | 172.05 | 172.15 | |
| 19 | 172.10 | 172.22 | 172.37 | 172.41 | 173.08 | 172.91 | 172.55 | 172.34 | 172.22 | 172.13 | 172.05 | 172.15 | |
| 20 | 171.83 | 172.19 | 172.37 | 172.38 | 172.98 | 173.30 | 172.54 | 172.33 | 172.22 | 172.13 | 172.08 | 172.15 | |
| 21 | 172.16 | 172.20 | 172.38 | 172.80 | 173.02 | 173.39 | 172.52 | 172.34 | 172.22 | 172.13 | 172.05 | 172.14 | |
| 22 | 172.14 | 172.27 | 172.39 | 172.73 | 173.09 | 174.03 | 172.50 | 172.34 | 172.22 | 172.13 | 172.05 | 172.14 | |
| 23 | 172.12 | 172.78 | 172.73 | 172.61 | 172.84 | 173.41 | 172.50 | 172.35 | 172.22 | 172.13 | 172.05 | 172.10 | |
| 24 | 172.13 | 172.88 | 172.66 | 172.46 | 172.70 | 173.00 | 172.48 | 172.30 | 172.24 | 172.13 | 172.05 | 172.10 | |
| 25 | 172.13 | 172.66 | 172.62 | 172.44 | 172.62 | 172.86 | 172.47 | 172.29 | 172.24 | 172.13 | 172.05 | 172.05 | |
| 26 | 172.13 | 172.61 | 172.53 | 172.68 | 172.72 | 172.83 | 172.46 | 172.27 | 172.25 | 172.13 | 172.08 | 172.05 | |
| 27 | 172.13 | 172.52 | 172.50 | 173.00 | 173.08 | 172.73 | 172.45 | 172.28 | 172.25 | 172.13 | 172.08 | 172.07 | |
| 28 | 172.13 | 172.40 | 172.47 | 172.75 | 173.08 | 172.70 | 172.44 | 172.27 | 172.25 | 172.13 | 172.08 | 172.07 | |
| 29 | 172.13 | 172.40 | 172.45 | 172.65 | 172.84 | 172.62 | 172.43 | 172.26 | 172.24 | 172.13 | | 172.07 | |
| 30 | 172.15 | 172.60 | 172.48 | 172.73 | 173.21 | 172.59 | 172.42 | 172.25 | 172.25 | 172.13 | | 172.07 | |
| 31 | | 172.52 | | 173.13 | 174.41 | | 172.40 | | 172.25 | 172.13 | | 172.07 | |
| Mean | 172.09 | 172.28 | 172.38 | 172.58 | 172.81 | 172.89 | 172.63 | 172.34 | 172.24 | 172.14 | 172.08 | 172.10 | |
| Max | 172.16 | 172.88 | 172.73 | 173.13 | 174.41 | 174.03 | 173.12 | 172.42 | 172.27 | 172.25 | 172.14 | 172.15 | 174.41 |
| Min | 171.56 | 172.08 | 172.24 | 172.38 | 172.48 | 172.51 | 172.40 | 172.25 | 172.22 | 172.10 | 172.05 | 172.05 | 171.56 |

Annual Max Momentary Gage Height 176.46 m. (MSL.) , at 23.00 Hours , on Aug 31, 2006

Zero Gage at Bottom Elevation 170.10 m. (MSL.) , River Bed 171.52 m. (MSL.)

Left Bank Elevation 180.07 m. (MSL.) ,

Right Bank Elevation 180.06 m. (MSL.) , Drainage Are 425 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.10 | 1.33 | 7.86 | 8.14 | 18.78 | 81.20 | 11.10 | 5.68 | 3.16 | 2.80 | 0.60 | 0.60 | | |
| 2 | 1.33 | 1.33 | 6.46 | 9.30 | 12.02 | 29.21 | 10.20 | 5.68 | 3.16 | 2.62 | 0.60 | 0.60 | | |
| 3 | 1.33 | 1.21 | 5.24 | 11.10 | 9.90 | 20.68 | 9.90 | 6.46 | 3.16 | 2.44 | 0.60 | 0.60 | | |
| 4 | 1.44 | 1.21 | 4.80 | 10.50 | 12.98 | 15.25 | 9.90 | 5.68 | 2.98 | 2.26 | 0.60 | 0.60 | | |
| 5 | 1.44 | 1.10 | 5.24 | 13.62 | 15.95 | 13.30 | 11.70 | 5.46 | 2.98 | 0.75 | 0.60 | 0.60 | | |
| 6 | 1.44 | 1.10 | 4.80 | 16.65 | 13.62 | 11.40 | 13.30 | 5.24 | 2.98 | 1.10 | 0.53 | 0.60 | | |
| 7 | 0.00 | 0.98 | 4.36 | 15.25 | 10.80 | 9.90 | 14.26 | 5.24 | 2.80 | 1.10 | 0.53 | 0.60 | | |
| 8 | 1.10 | 0.98 | 4.14 | 16.30 | 19.16 | 9.00 | 21.82 | 5.24 | 2.80 | 1.10 | 0.53 | 0.60 | | |
| 9 | 0.75 | 0.60 | 3.52 | 12.02 | 21.44 | 9.90 | 17.35 | 5.24 | 2.62 | 1.10 | 0.53 | 0.60 | | |
| 10 | 0.38 | 0.68 | 2.98 | 9.60 | 16.65 | 13.62 | 27.92 | 5.02 | 2.62 | 1.10 | 0.53 | 0.60 | | |
| 11 | 0.53 | 0.75 | 2.80 | 6.46 | 15.25 | 16.30 | 31.42 | 5.02 | 2.62 | 1.10 | 1.21 | 0.75 | | |
| 12 | 0.53 | 0.75 | 2.98 | 5.90 | 9.30 | 20.68 | 27.49 | 4.80 | 2.62 | 1.10 | 0.75 | 1.10 | | |
| 13 | 0.53 | 0.75 | 3.34 | 5.90 | 9.30 | 29.21 | 24.20 | 4.80 | 2.44 | 1.10 | 0.87 | 1.10 | | |
| 14 | 0.53 | 1.10 | 3.34 | 6.46 | 9.30 | 16.65 | 27.49 | 4.80 | 2.44 | 1.33 | 0.98 | 1.21 | | |
| 15 | 0.53 | 1.44 | 2.98 | 5.90 | 9.30 | 12.66 | 12.98 | 4.80 | 2.44 | 1.33 | 0.75 | 1.21 | | |
| 16 | 0.53 | 1.79 | 2.80 | 5.68 | 9.60 | 9.60 | 11.40 | 4.58 | 2.44 | 1.10 | 0.75 | 1.21 | | |
| 17 | 0.75 | 2.26 | 2.62 | 5.46 | 8.70 | 15.25 | 11.10 | 4.58 | 2.44 | 1.10 | 0.75 | 1.33 | | |
| 18 | 0.75 | 2.62 | 2.62 | 5.90 | 8.14 | 19.16 | 10.50 | 4.58 | 2.26 | 1.10 | 0.38 | 1.33 | | |
| 19 | 0.75 | 2.26 | 5.24 | 6.18 | 29.64 | 22.60 | 10.20 | 4.58 | 2.26 | 1.10 | 0.38 | 1.33 | | |
| 20 | 0.00 | 1.79 | 5.24 | 5.46 | 25.40 | 40.00 | 9.90 | 4.36 | 2.26 | 1.10 | 0.60 | 1.33 | | |
| 21 | 1.44 | 1.90 | 5.46 | 18.40 | 27.06 | 44.77 | 9.30 | 4.58 | 2.26 | 1.10 | 0.38 | 1.21 | | |
| 22 | 1.21 | 3.16 | 5.68 | 15.95 | 30.07 | 88.40 | 8.70 | 4.58 | 2.26 | 1.10 | 0.38 | 1.21 | | |
| 23 | 0.98 | 17.70 | 15.95 | 12.02 | 19.92 | 45.88 | 8.70 | 4.80 | 2.26 | 1.10 | 0.38 | 0.75 | | |
| 24 | 1.10 | 21.44 | 13.62 | 7.58 | 14.90 | 26.20 | 8.14 | 3.70 | 2.62 | 1.10 | 0.38 | 0.75 | | |
| 25 | 1.10 | 13.62 | 12.34 | 7.02 | 12.34 | 20.68 | 7.86 | 3.52 | 2.62 | 1.10 | 0.38 | 0.38 | | |
| 26 | 1.10 | 12.02 | 9.60 | 14.26 | 15.60 | 19.54 | 7.58 | 3.16 | 2.80 | 1.10 | 0.60 | 0.38 | | |
| 27 | 1.10 | 9.30 | 8.70 | 26.20 | 29.64 | 15.95 | 7.30 | 3.34 | 2.80 | 1.10 | 0.60 | 0.53 | | |
| 28 | 1.10 | 5.90 | 7.86 | 16.65 | 29.64 | 14.90 | 7.02 | 3.16 | 2.80 | 1.10 | 0.60 | 0.53 | | |
| 29 | 1.10 | 5.90 | 7.30 | 13.30 | 19.92 | 12.34 | 6.74 | 2.98 | 2.62 | 1.10 | | 0.53 | | |
| 30 | 1.33 | 11.70 | 8.14 | 15.95 | 35.59 | 11.40 | 6.46 | 2.80 | 2.80 | 1.10 | | 0.53 | | |
| 31 | | 9.30 | | 31.88 | 119.85 | | 5.90 | | 2.80 | 1.10 | | 0.53 | | |
| Total | 27.30 | 137.97 | 178.01 | 360.99 | 639.76 | 715.63 | 407.83 | 138.46 | 82.12 | 39.93 | 16.77 | 25.23 | 2770.00 | CMSDAY |
| Mean | 0.91 | 4.45 | 5.93 | 11.64 | 20.64 | 23.85 | 13.16 | 4.62 | 2.65 | 1.29 | 0.60 | 0.81 | 7.59 | CMS |
| Max | 1.44 | 21.44 | 15.95 | 31.88 | 119.85 | 88.40 | 31.42 | 6.46 | 3.16 | 2.80 | 1.21 | 1.33 | 119.85 | CMS |
| Min | 0.00 | 0.60 | 2.62 | 5.46 | 8.14 | 9.00 | 5.90 | 2.80 | 2.26 | 0.75 | 0.38 | 0.38 | 0.00 | CMS |
| Runoff | 2.36 | 11.92 | 15.38 | 31.19 | 55.28 | 61.83 | 35.24 | 11.96 | 7.10 | 3.45 | 1.45 | 2.18 | 239.33 | MCM |

Momentary Peak 359.00 CMS. at 176.46 m. (MSL.) at 23.00 Hours , on Aug 31, 2006

Runoff Yield 17.86 Liters/Second/Square KM. Momentary Peak Yield 844.71 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Forestry Office , Nan (N.1)

Lat 18 - 46 - 26 N Long 100 - 46 - 56 E

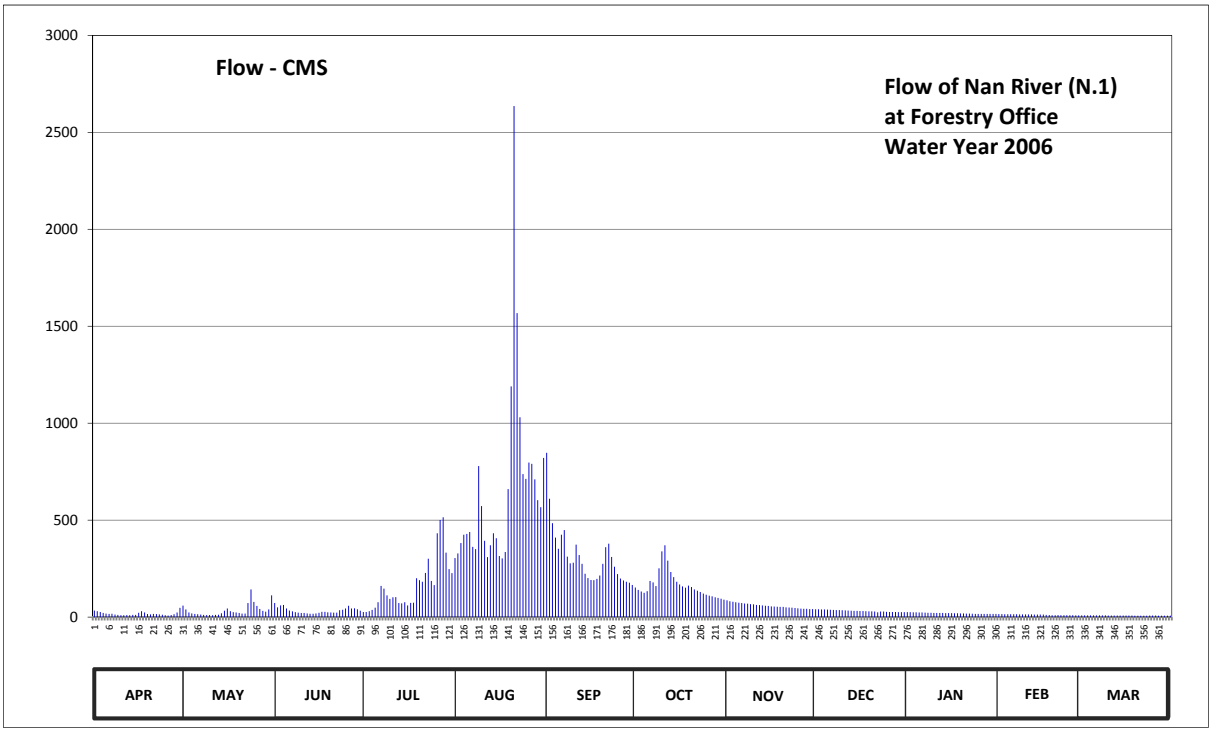
**Location : on right bank in front of Forestry Office.**

| | | | |
|---|---|---|---|
| | **Ban** Forestry Office | **Amphoe** Mueang | **Changwat** Nan |
| **Drainge Area** | 4,560 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +192.200 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On west side of automatic gage building. | | **Elevation** +199.868 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1922 - 1956 , 1962 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1954 - 1956 , 1979 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1954 - 1956 , 1979 to date | | |
| **Stability of Channel Regimes** | Rather unstable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 53 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 192.60 | 192.89 | 193.01 | 192.49 | 194.75 | 197.73 | 193.68 | 193.13 | 192.68 | 192.48 | 192.32 | 192.55 | |
| 2 | 192.55 | 192.67 | 192.80 | 192.49 | 194.90 | 196.53 | 193.58 | 193.09 | 192.68 | 192.48 | 192.32 | 192.55 | |
| 3 | 192.50 | 192.45 | 192.90 | 192.55 | 195.23 | 195.83 | 193.51 | 193.07 | 192.67 | 192.47 | 192.31 | 192.55 | |
| 4 | 192.41 | 192.37 | 192.92 | 192.64 | 195.49 | 195.40 | 193.45 | 193.05 | 192.67 | 192.47 | 192.31 | 192.55 | |
| 5 | 192.36 | 192.33 | 192.73 | 192.78 | 195.51 | 195.05 | 193.52 | 193.03 | 192.66 | 192.46 | 192.31 | 192.55 | |
| 6 | 192.33 | 192.31 | 192.60 | 193.05 | 195.57 | 195.49 | 193.95 | 193.01 | 192.65 | 192.45 | 192.30 | 192.53 | |
| 7 | 192.35 | 192.28 | 192.54 | 193.75 | 195.11 | 195.63 | 193.89 | 192.99 | 192.64 | 192.44 | 192.30 | 192.53 | |
| 8 | 192.28 | 192.25 | 192.48 | 193.63 | 195.04 | 194.80 | 193.74 | 192.98 | 192.63 | 192.43 | 192.29 | 192.53 | |
| 9 | 192.24 | 192.23 | 192.44 | 193.34 | 197.39 | 194.57 | 194.40 | 192.96 | 192.63 | 192.43 | 192.29 | 192.53 | |
| 10 | 192.22 | 192.23 | 192.42 | 193.19 | 196.32 | 194.59 | 194.97 | 192.95 | 192.62 | 192.42 | 192.29 | 192.52 | |
| 11 | 192.22 | 192.22 | 192.41 | 193.26 | 195.30 | 195.18 | 195.16 | 192.92 | 192.61 | 192.42 | 192.29 | 192.50 | |
| 12 | 192.23 | 192.24 | 192.38 | 193.27 | 194.78 | 194.85 | 194.66 | 192.91 | 192.60 | 192.42 | 192.29 | 192.51 | |
| 13 | 192.21 | 192.26 | 192.35 | 193.01 | 195.16 | 194.55 | 194.27 | 192.90 | 192.59 | 192.41 | 192.28 | 192.50 | |
| 14 | 192.24 | 192.39 | 192.35 | 193.00 | 195.53 | 194.21 | 194.09 | 192.88 | 192.58 | 192.40 | 192.27 | 192.50 | |
| 15 | 192.25 | 192.59 | 192.37 | 193.05 | 195.38 | 194.06 | 193.92 | 192.87 | 192.57 | 192.40 | 192.27 | 192.50 | |
| 16 | 192.43 | 192.73 | 192.43 | 192.90 | 194.82 | 193.99 | 193.81 | 192.85 | 192.56 | 192.40 | 192.27 | 192.51 | |
| 17 | 192.55 | 192.55 | 192.51 | 193.02 | 194.74 | 193.98 | 193.73 | 192.84 | 192.56 | 192.39 | 192.25 | 192.50 | |
| 18 | 192.45 | 192.48 | 192.51 | 193.03 | 194.95 | 194.03 | 193.67 | 192.83 | 192.55 | 192.39 | 192.23 | 192.49 | |
| 19 | 192.32 | 192.46 | 192.47 | 194.05 | 196.79 | 194.15 | 193.76 | 192.82 | 192.54 | 192.38 | 192.21 | 192.48 | |
| 20 | 192.29 | 192.41 | 192.45 | 193.98 | 199.28 | 194.55 | 193.70 | 192.82 | 192.54 | 192.37 | 192.21 | 192.48 | |
| 21 | 192.34 | 192.36 | 192.44 | 193.92 | 200.53 | 195.10 | 193.60 | 192.80 | 192.53 | 192.36 | 192.63 | 192.47 | |
| 22 | 192.32 | 192.36 | 192.44 | 194.24 | 199.93 | 195.21 | 193.54 | 192.79 | 192.47 | 192.36 | 192.60 | 192.47 | |
| 23 | 192.29 | 193.01 | 192.62 | 194.73 | 198.60 | 194.79 | 193.49 | 192.78 | 192.53 | 192.35 | 192.60 | 192.48 | |
| 24 | 192.26 | 193.60 | 192.65 | 193.95 | 197.19 | 194.45 | 193.42 | 192.76 | 192.53 | 192.34 | 192.60 | 192.49 | |
| 25 | 192.22 | 193.06 | 192.73 | 193.78 | 197.06 | 194.20 | 193.37 | 192.74 | 192.51 | 192.34 | 192.59 | 192.50 | |
| 26 | 192.18 | 192.87 | 192.88 | 195.53 | 197.48 | 194.04 | 193.33 | 192.72 | 192.50 | 192.34 | 192.58 | 192.51 | |
| 27 | 192.23 | 192.70 | 192.73 | 195.92 | 197.45 | 193.97 | 193.30 | 192.71 | 192.49 | 192.34 | 192.56 | 192.48 | |
| 28 | 192.30 | 192.58 | 192.74 | 196.00 | 197.05 | 193.92 | 193.26 | 192.71 | 192.49 | 192.33 | 192.56 | 192.47 | |
| 29 | 192.46 | 192.52 | 192.68 | 194.93 | 196.49 | 193.88 | 193.23 | 192.69 | 192.48 | 192.33 | | 192.46 | |
| 30 | 192.77 | 192.67 | 192.59 | 194.37 | 196.29 | 193.79 | 193.20 | 192.69 | 192.48 | 192.33 | | 192.48 | |
| 31 | | 193.34 | | 194.23 | 197.60 | | 193.16 | | 192.48 | 192.33 | | 192.47 | |
| Mean | 192.35 | 192.56 | 192.59 | 193.68 | 196.38 | 194.75 | 193.75 | 192.88 | 192.57 | 192.40 | 192.37 | 192.50 | |
| Max | 192.77 | 193.60 | 193.01 | 196.00 | 200.53 | 197.73 | 195.16 | 193.13 | 192.68 | 192.48 | 192.63 | 192.55 | 200.53 |
| Min | 192.18 | 192.22 | 192.35 | 192.49 | 194.74 | 193.79 | 193.16 | 192.69 | 192.47 | 192.33 | 192.21 | 192.46 | 192.18 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 200.62 | m. (MSL.) , | at 14.00 Hours , on Aug 21, 2006 | | |
| Zero Gage at Bottom Elevation | 192.20 | m. (MSL.) , | River Bed | 188.20 | m. (MSL.) |
| Left Bank Elevation | 204.20 | m. (MSL.) , | | | |
| Right Bank Elevation | 204.11 | m. (MSL.) , | Drainage Are | 4,560 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.90 | 59.50 | 72.20 | 25.98 | 304.50 | 847.77 | 152.60 | 86.60 | 40.22 | 25.36 | 15.60 | 9.05 | | |
| 2 | 30.25 | 39.43 | 50.50 | 25.98 | 328.00 | 610.40 | 140.60 | 81.80 | 40.22 | 25.36 | 15.60 | 9.05 | | |
| 3 | 26.60 | 23.50 | 60.50 | 30.25 | 381.95 | 484.40 | 132.20 | 79.40 | 39.43 | 24.74 | 15.00 | 9.05 | | |
| 4 | 21.02 | 18.60 | 62.60 | 37.06 | 425.30 | 410.00 | 125.00 | 77.00 | 39.43 | 24.74 | 15.00 | 9.05 | | |
| 5 | 18.00 | 16.20 | 44.41 | 48.76 | 428.70 | 352.25 | 133.40 | 74.60 | 38.64 | 24.12 | 15.00 | 9.05 | | |
| 6 | 16.20 | 15.00 | 33.90 | 77.00 | 438.90 | 425.30 | 186.50 | 72.20 | 37.85 | 23.50 | 14.40 | 8.67 | | |
| 7 | 17.40 | 13.30 | 29.52 | 161.00 | 362.15 | 449.25 | 178.70 | 69.95 | 37.06 | 22.88 | 14.40 | 8.67 | | |
| 8 | 13.30 | 11.65 | 25.36 | 146.60 | 350.60 | 312.00 | 159.80 | 68.90 | 36.27 | 22.26 | 13.85 | 8.67 | | |
| 9 | 11.10 | 10.55 | 22.88 | 111.80 | 778.63 | 277.50 | 252.00 | 66.80 | 36.27 | 22.26 | 13.85 | 8.67 | | |
| 10 | 10.00 | 10.55 | 21.64 | 93.80 | 572.60 | 280.50 | 339.20 | 65.75 | 35.48 | 21.64 | 13.85 | 8.48 | | |
| 11 | 10.00 | 10.00 | 21.02 | 102.20 | 393.50 | 373.70 | 370.40 | 62.60 | 34.69 | 21.64 | 13.85 | 8.10 | | |
| 12 | 10.55 | 11.10 | 19.20 | 103.40 | 309.00 | 320.00 | 291.00 | 61.55 | 33.90 | 21.64 | 13.85 | 8.29 | | |
| 13 | 9.45 | 12.20 | 17.40 | 72.20 | 370.40 | 274.50 | 232.50 | 60.50 | 33.17 | 21.02 | 13.30 | 8.10 | | |
| 14 | 11.10 | 19.80 | 17.40 | 71.00 | 432.10 | 223.50 | 206.05 | 58.50 | 32.44 | 20.40 | 12.75 | 8.10 | | |
| 15 | 11.65 | 33.17 | 18.60 | 77.00 | 406.70 | 201.70 | 182.60 | 57.50 | 31.71 | 20.40 | 12.75 | 8.10 | | |
| 16 | 22.26 | 44.41 | 22.26 | 60.50 | 315.20 | 191.70 | 168.30 | 55.50 | 30.98 | 20.40 | 12.75 | 8.29 | | |
| 17 | 30.25 | 30.25 | 27.33 | 73.40 | 303.00 | 190.40 | 158.60 | 54.50 | 30.98 | 19.80 | 11.65 | 8.10 | | |
| 18 | 23.50 | 25.36 | 27.33 | 74.60 | 336.00 | 197.35 | 151.40 | 53.50 | 30.25 | 19.80 | 10.55 | 7.91 | | |
| 19 | 15.60 | 24.12 | 24.74 | 200.25 | 660.05 | 214.75 | 162.20 | 52.50 | 29.52 | 19.20 | 9.45 | 7.72 | | |
| 20 | 13.85 | 21.02 | 23.50 | 190.40 | 1190.00 | 274.50 | 155.00 | 52.50 | 29.52 | 18.60 | 9.45 | 7.72 | | |
| 21 | 16.80 | 18.00 | 22.88 | 182.60 | 2635.50 | 360.50 | 143.00 | 50.50 | 28.79 | 18.00 | 10.60 | 7.53 | | |
| 22 | 15.60 | 18.00 | 22.88 | 228.00 | 1567.65 | 378.65 | 135.80 | 49.63 | 24.74 | 18.00 | 10.00 | 7.53 | | |
| 23 | 13.85 | 72.20 | 35.48 | 301.50 | 1031.00 | 310.50 | 129.80 | 48.76 | 28.79 | 17.40 | 10.00 | 7.72 | | |
| 24 | 12.20 | 143.00 | 37.85 | 186.50 | 738.05 | 259.50 | 121.40 | 47.02 | 28.79 | 16.80 | 10.00 | 7.91 | | |
| 25 | 10.00 | 78.20 | 44.41 | 164.60 | 712.70 | 222.00 | 115.40 | 45.28 | 27.33 | 16.80 | 9.81 | 8.10 | | |
| 26 | 7.92 | 57.50 | 58.50 | 432.10 | 796.93 | 198.80 | 110.60 | 43.54 | 26.60 | 16.80 | 9.62 | 8.29 | | |
| 27 | 10.55 | 41.80 | 44.41 | 500.60 | 790.83 | 189.10 | 107.00 | 42.67 | 25.98 | 16.80 | 9.24 | 7.72 | | |
| 28 | 14.40 | 32.44 | 45.28 | 515.00 | 710.75 | 182.60 | 102.20 | 42.67 | 25.98 | 16.20 | 9.24 | 7.53 | | |
| 29 | 24.12 | 28.06 | 40.22 | 332.80 | 603.20 | 177.40 | 98.60 | 41.01 | 25.36 | 16.20 | | 7.34 | | |
| 30 | 47.89 | 39.43 | 33.17 | 247.50 | 567.20 | 165.80 | 95.00 | 41.01 | 25.36 | 16.20 | | 7.72 | | |
| 31 | | 111.80 | | 226.50 | 821.33 | | 90.20 | | 25.36 | 16.20 | | 7.53 | | |
| Total | 529.31 | 1090.14 | 1027.37 | 5100.88 | 20062.42 | 9356.32 | 5127.05 | 1764.24 | 991.11 | 625.16 | 345.41 | 253.76 | 46273.17 | CMSDAY |
| Mean | 17.64 | 35.17 | 34.25 | 164.54 | 647.17 | 311.88 | 165.39 | 58.81 | 31.97 | 20.17 | 12.34 | 8.19 | 126.78 | CMS |
| Max | 47.89 | 143.00 | 72.20 | 515.00 | 2635.50 | 847.77 | 370.40 | 86.60 | 40.22 | 25.36 | 15.60 | 9.05 | 2635.50 | CMS |
| Min | 7.92 | 10.00 | 17.40 | 25.98 | 303.00 | 165.80 | 90.20 | 41.01 | 24.74 | 16.20 | 9.24 | 7.34 | 7.34 | CMS |
| Runoff | 45.73 | 94.19 | 88.76 | 440.72 | 1733.39 | 808.39 | 442.98 | 152.43 | 85.63 | 54.01 | 29.84 | 21.92 | 3998.00 | MCM |

Momentary Peak 2862.47 CMS. at 200.62 m. (MSL.) at 14.00 Hours , on Aug 21, 2006

Runoff Yield 27.80 Liters/Second/Square KM. Momentary Peak Yield 627.73 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Nai Mueang , Uttaradit (N.2B)

Lat 17 - 36 - 30 N Long 100 - 06 - 08 E

**Location : on right bank at Mueang, Uttaradit.**

**Ban** Nai Mueang **Amphoe** Mueang **Changwat** Uttaradit

| | |
|---|---|
| **Drainge Area** | 16,865 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +52.300 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank near the gage site. **Elevation** +63.138 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1993 to date |
| **Rating Operation** | |
| **Period of Rating** | 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1993 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +59.410 m.(MSL), records are channel flow only. |
| **General Description** | Records very good. Stage-discharge relation defined by 42 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

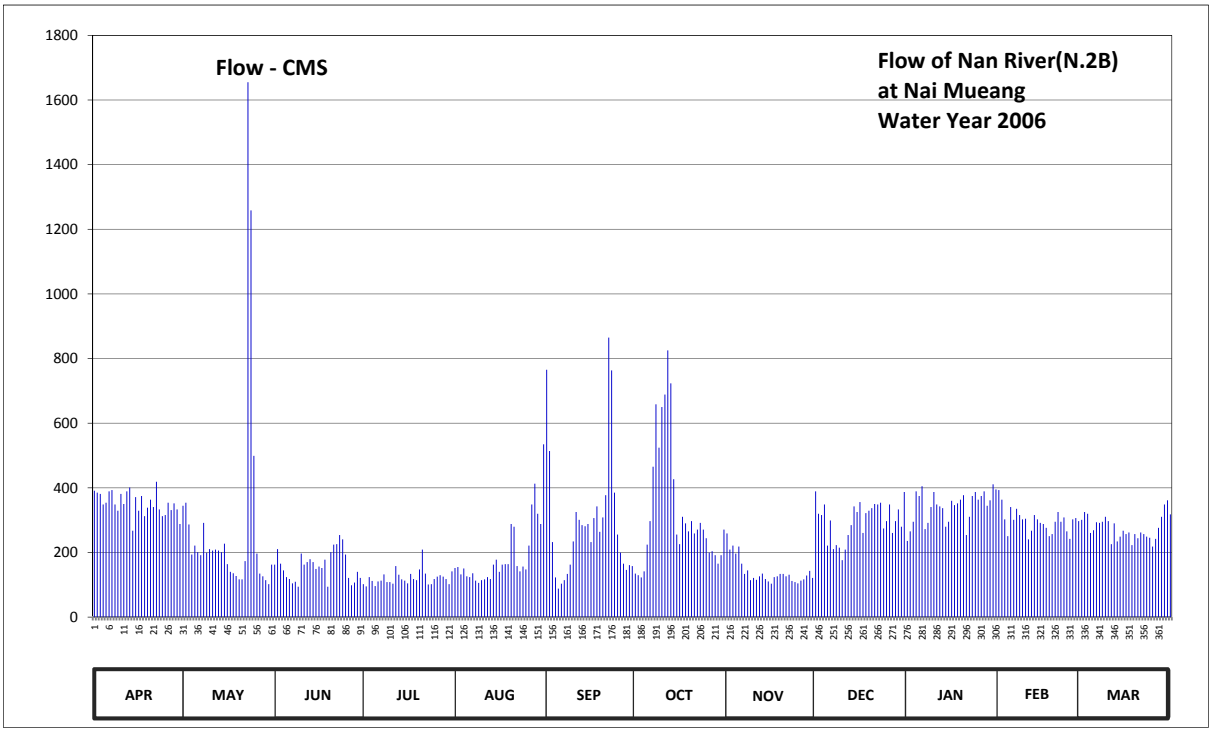
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54.89 | 54.65 | 53.57 | 53.11 | 53.50 | 56.66 | 53.38 | 54.18 | 54.88 | 54.04 | 54.90 | 54.42 | |
| 2 | 54.86 | 54.70 | 53.88 | 53.05 | 53.52 | 55.49 | 53.34 | 53.87 | 54.52 | 54.22 | 54.75 | 54.55 | |
| 3 | 54.84 | 54.34 | 53.59 | 53.29 | 53.36 | 54.02 | 53.28 | 53.95 | 54.50 | 54.39 | 54.43 | 54.52 | |
| 4 | 54.67 | 53.77 | 53.45 | 53.19 | 53.49 | 53.28 | 53.43 | 53.79 | 54.67 | 54.88 | 54.13 | 54.19 | |
| 5 | 54.70 | 53.95 | 53.29 | 53.06 | 53.31 | 52.99 | 53.97 | 53.93 | 53.95 | 54.81 | 54.63 | 54.24 | |
| 6 | 54.88 | 53.82 | 53.24 | 53.18 | 53.29 | 53.12 | 54.40 | 53.59 | 54.41 | 54.96 | 54.42 | 54.38 | |
| 7 | 54.90 | 53.76 | 53.13 | 53.20 | 53.39 | 53.21 | 55.26 | 53.37 | 53.88 | 54.26 | 54.60 | 54.37 | |
| 8 | 54.67 | 54.37 | 53.17 | 53.36 | 53.20 | 53.37 | 56.17 | 53.45 | 53.96 | 54.37 | 54.50 | 54.39 | |
| 9 | 54.57 | 53.81 | 53.04 | 53.16 | 53.14 | 53.57 | 55.54 | 53.21 | 53.91 | 54.63 | 54.43 | 54.47 | |
| 10 | 54.84 | 53.88 | 53.79 | 53.16 | 53.21 | 54.03 | 56.13 | 53.27 | 53.66 | 54.87 | 54.44 | 54.40 | |
| 11 | 54.68 | 53.85 | 53.57 | 53.12 | 53.23 | 54.55 | 56.31 | 53.22 | 53.87 | 54.67 | 54.07 | 53.98 | |
| 12 | 54.88 | 53.87 | 53.62 | 53.54 | 53.29 | 54.42 | 56.92 | 53.31 | 54.15 | 54.64 | 54.23 | 54.36 | |
| 13 | 54.94 | 53.85 | 53.68 | 53.35 | 53.24 | 54.33 | 56.47 | 53.38 | 54.33 | 54.61 | 54.50 | 54.03 | |
| 14 | 54.23 | 53.82 | 53.62 | 53.23 | 53.57 | 54.31 | 55.07 | 53.24 | 54.64 | 54.30 | 54.43 | 54.12 | |
| 15 | 54.79 | 53.99 | 53.48 | 53.20 | 53.67 | 54.35 | 54.16 | 53.18 | 54.55 | 54.39 | 54.37 | 54.23 | |
| 16 | 54.57 | 53.58 | 53.53 | 53.13 | 53.42 | 54.02 | 53.98 | 53.12 | 54.71 | 54.73 | 54.35 | 54.17 | |
| 17 | 54.81 | 53.42 | 53.50 | 53.37 | 53.57 | 54.45 | 54.47 | 53.29 | 54.19 | 54.66 | 54.28 | 54.20 | |
| 18 | 54.48 | 53.39 | 53.67 | 53.24 | 53.58 | 54.64 | 54.36 | 53.31 | 54.53 | 54.69 | 54.13 | 53.96 | |
| 19 | 54.62 | 53.32 | 53.04 | 53.21 | 53.58 | 54.21 | 54.22 | 53.37 | 54.57 | 54.75 | 54.17 | 54.17 | |
| 20 | 54.75 | 53.23 | 53.82 | 53.47 | 54.35 | 54.46 | 54.40 | 53.37 | 54.61 | 54.82 | 54.39 | 54.09 | |
| 21 | 54.63 | 53.23 | 53.97 | 53.87 | 54.30 | 54.82 | 54.18 | 53.31 | 54.68 | 54.15 | 54.55 | 54.20 | |
| 22 | 55.03 | 53.64 | 53.98 | 53.38 | 53.54 | 57.09 | 54.25 | 53.35 | 54.67 | 54.47 | 54.39 | 54.17 | |
| 23 | 54.59 | 60.04 | 54.15 | 53.10 | 53.43 | 56.65 | 54.37 | 53.19 | 54.70 | 54.81 | 54.46 | 54.12 | |
| 24 | 54.48 | 58.67 | 54.07 | 53.11 | 53.53 | 54.86 | 54.25 | 53.16 | 54.27 | 54.87 | 54.22 | 54.10 | |
| 25 | 54.50 | 55.42 | 53.77 | 53.24 | 53.47 | 54.16 | 54.09 | 53.13 | 54.40 | 54.75 | 54.08 | 53.93 | |
| 26 | 54.70 | 53.79 | 53.27 | 53.30 | 53.95 | 53.81 | 53.81 | 53.20 | 54.67 | 54.81 | 54.43 | 54.08 | |
| 27 | 54.58 | 53.38 | 53.08 | 53.34 | 54.67 | 53.59 | 53.84 | 53.23 | 54.19 | 54.88 | 54.45 | 54.28 | |
| 28 | 54.69 | 53.31 | 53.15 | 53.30 | 55.00 | 53.46 | 53.76 | 53.33 | 54.40 | 54.65 | 54.40 | 54.47 | |
| 29 | 54.59 | 53.21 | 53.42 | 53.24 | 54.52 | 53.56 | 53.59 | 53.44 | 54.59 | 54.74 | | 54.67 | |
| 30 | 54.35 | 53.11 | 53.27 | 53.11 | 54.35 | 53.54 | 53.76 | 53.27 | 54.30 | 54.99 | | 54.74 | |
| 31 | | 53.57 | | 53.43 | 55.59 | | 54.25 | | 54.87 | 54.91 | | 54.51 | |
| Mean | 54.69 | 54.15 | 53.53 | 53.26 | 53.72 | 54.30 | 54.50 | 53.40 | 54.39 | 54.64 | 54.40 | 54.27 | |
| Max | 55.03 | 60.04 | 54.15 | 53.87 | 55.59 | 57.09 | 56.92 | 54.18 | 54.88 | 54.99 | 54.90 | 54.74 | 60.04 |
| Min | 54.23 | 53.11 | 53.04 | 53.05 | 53.14 | 52.99 | 53.28 | 53.12 | 53.66 | 54.04 | 54.07 | 53.93 | 52.99 |

Annual Max Momentary Gage Height 60.34 m. (MSL.) , at 16.00 Hours , on May 23 , 2006

Zero Gage at Bottom Elevation 52.30 m. (MSL.) , River Bed 48.54 m. (MSL.)

Left Bank Elevation 59.40 m. (MSL.) ,

Right Bank Elevation 60.58 m. (MSL.) , Drainage Are 16,865 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 391.00 | 344.50 | 162.50 | 102.20 | 152.00 | 765.50 | 134.60 | 258.70 | 389.00 | 235.60 | 393.00 | 300.80 | | |
| 2 | 385.00 | 354.00 | 210.40 | 95.00 | 155.00 | 513.90 | 129.80 | 208.85 | 319.80 | 265.50 | 363.50 | 325.50 | | |
| 3 | 381.00 | 286.50 | 165.50 | 123.80 | 132.20 | 232.30 | 122.60 | 221.25 | 316.00 | 295.25 | 302.70 | 319.80 | | |
| 4 | 348.30 | 193.35 | 144.50 | 111.80 | 150.50 | 122.60 | 141.50 | 196.45 | 348.30 | 389.00 | 250.45 | 260.35 | | |
| 5 | 354.00 | 221.25 | 123.80 | 96.20 | 126.20 | 87.95 | 224.35 | 218.15 | 221.25 | 375.00 | 340.70 | 269.00 | | |
| 6 | 389.00 | 201.10 | 117.80 | 110.60 | 123.80 | 103.40 | 297.00 | 165.50 | 298.90 | 405.00 | 300.80 | 293.50 | | |
| 7 | 393.00 | 191.80 | 104.60 | 113.00 | 135.80 | 114.20 | 465.60 | 133.40 | 210.40 | 272.50 | 335.00 | 291.75 | | |
| 8 | 348.30 | 291.75 | 109.40 | 132.20 | 113.00 | 133.40 | 658.55 | 144.50 | 222.80 | 291.75 | 316.00 | 295.25 | | |
| 9 | 329.30 | 199.55 | 93.80 | 108.20 | 105.80 | 162.50 | 524.40 | 114.20 | 215.05 | 340.70 | 302.70 | 310.30 | | |
| 10 | 381.00 | 210.40 | 196.45 | 108.20 | 114.20 | 233.95 | 649.95 | 121.40 | 176.30 | 387.00 | 304.60 | 297.00 | | |
| 11 | 350.20 | 205.75 | 162.50 | 103.40 | 116.60 | 325.50 | 688.65 | 115.40 | 208.85 | 348.30 | 240.55 | 225.90 | | |
| 12 | 389.00 | 208.85 | 170.10 | 158.00 | 123.80 | 300.80 | 825.20 | 126.20 | 253.75 | 342.60 | 267.25 | 290.00 | | |
| 13 | 401.00 | 205.75 | 179.40 | 131.00 | 117.80 | 284.75 | 723.40 | 134.60 | 284.75 | 336.90 | 316.00 | 233.95 | | |
| 14 | 267.25 | 201.10 | 170.10 | 116.60 | 162.50 | 281.25 | 427.00 | 117.80 | 342.60 | 279.50 | 302.70 | 248.80 | | |
| 15 | 371.10 | 227.45 | 149.00 | 113.00 | 177.85 | 288.25 | 255.40 | 110.60 | 325.50 | 295.25 | 291.75 | 267.25 | | |
| 16 | 329.30 | 164.00 | 156.50 | 104.60 | 140.00 | 232.30 | 225.90 | 103.40 | 355.90 | 359.70 | 288.25 | 257.05 | | |
| 17 | 375.00 | 140.00 | 152.00 | 133.40 | 162.50 | 306.50 | 310.30 | 123.80 | 260.35 | 346.40 | 276.00 | 262.00 | | |
| 18 | 312.20 | 135.80 | 177.85 | 117.80 | 164.00 | 342.60 | 290.00 | 126.20 | 321.70 | 352.10 | 250.45 | 222.80 | | |
| 19 | 338.80 | 127.40 | 93.80 | 114.20 | 164.00 | 263.75 | 265.50 | 133.40 | 329.30 | 363.50 | 257.05 | 257.05 | | |
| 20 | 363.50 | 116.60 | 201.10 | 147.50 | 288.25 | 308.40 | 297.00 | 133.40 | 336.90 | 377.00 | 295.25 | 243.85 | | |
| 21 | 340.70 | 116.60 | 224.35 | 208.85 | 279.50 | 377.00 | 258.70 | 126.20 | 350.20 | 253.75 | 325.50 | 262.00 | | |
| 22 | 419.00 | 173.20 | 225.90 | 134.60 | 158.00 | 865.15 | 270.75 | 131.00 | 348.30 | 310.30 | 295.25 | 257.05 | | |
| 23 | 333.10 | 1655.00 | 253.75 | 101.00 | 141.50 | 763.25 | 291.75 | 111.80 | 354.00 | 375.00 | 308.40 | 248.80 | | |
| 24 | 312.20 | 1258.60 | 240.55 | 102.20 | 156.50 | 385.00 | 270.75 | 108.20 | 274.25 | 387.00 | 265.50 | 245.50 | | |
| 25 | 316.00 | 499.20 | 193.35 | 117.80 | 147.50 | 255.40 | 243.85 | 104.60 | 297.00 | 363.50 | 242.20 | 218.15 | | |
| 26 | 354.00 | 196.45 | 121.40 | 125.00 | 221.25 | 199.55 | 199.55 | 113.00 | 348.30 | 375.00 | 302.70 | 242.20 | | |
| 27 | 331.20 | 134.60 | 98.60 | 129.80 | 348.30 | 165.50 | 204.20 | 116.60 | 260.35 | 389.00 | 306.50 | 276.00 | | |
| 28 | 352.10 | 126.20 | 107.00 | 125.00 | 413.00 | 146.00 | 191.80 | 128.60 | 297.00 | 344.50 | 297.00 | 310.30 | | |
| 29 | 333.10 | 114.20 | 140.00 | 117.80 | 319.80 | 161.00 | 165.50 | 143.00 | 333.10 | 361.60 | | 348.30 | | |
| 30 | 288.25 | 102.20 | 121.40 | 102.20 | 288.25 | 158.00 | 191.80 | 121.40 | 279.50 | 411.00 | | 361.60 | | |
| 31 | | 162.50 | | 141.50 | 534.90 | | 270.75 | | 387.00 | 395.00 | | 317.90 | | |
| Total | 10576.90 | 8765.65 | 4767.40 | 3746.45 | 5934.30 | 8879.65 | 10216.10 | 4211.60 | 9266.40 | 10624.20 | 8337.75 | 8559.70 | 93886.10 | CMSDAY |
| Mean | 352.56 | 282.76 | 158.91 | 120.85 | 191.43 | 295.99 | 329.55 | 140.39 | 298.92 | 342.72 | 297.78 | 276.12 | 257.22 | CMS |
| Max | 419.00 | 1655.00 | 253.75 | 208.85 | 534.90 | 865.15 | 825.20 | 258.70 | 389.00 | 411.00 | 393.00 | 361.60 | 1655.00 | CMS |
| Min | 267.25 | 102.20 | 93.80 | 95.00 | 105.80 | 87.95 | 122.60 | 103.40 | 176.30 | 235.60 | 240.55 | 218.15 | 87.95 | CMS |
| Runoff | 913.84 | 757.35 | 411.90 | 323.69 | 512.72 | 767.20 | 882.67 | 363.88 | 800.62 | 917.93 | 720.38 | 739.56 | 8111.76 | MCM |

Momentary Peak 1745.00 CMS. at 60.34 m. (MSL.) at 16.00 Hours , on May 23 , 2006

Runoff Yield 15.25 Liters/Second/Square KM. Momentary Peak Yield 103.47 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Mueang , Phitsanulok (N.5A)

Lat 16 - 49 - 19 N Long 100 - 15 - 49 E

**Location : on right bank near the Post Office and about 1 kilometer upstream from gaging station N.5**

**Ban** Nai Mueang **Amphoe** Mueang **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 25,039 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +34.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the automatic gage building. **Elevation** +45.739 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1963 to date |
| **Rating Operation** | |
| **Period of Rating** | 1966 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1966 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +44.270 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Flow effected by Naresuan Dam.<br>Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

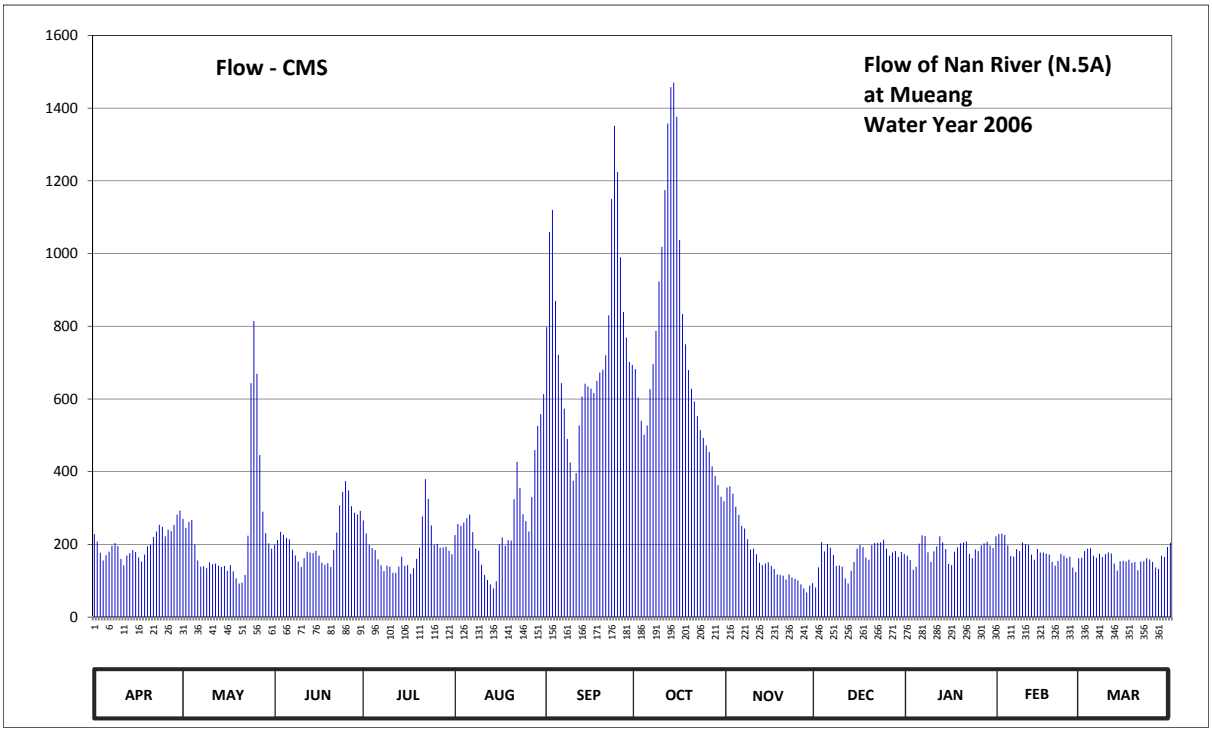
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.96 | 38.40 | 37.63 | 38.36 | 37.93 | 42.82 | 42.03 | 39.24 | 36.06 | 37.26 | 37.96 | 37.19 | |
| 2 | 37.73 | 38.15 | 37.78 | 37.98 | 38.26 | 43.95 | 41.40 | 39.27 | 36.84 | 37.10 | 37.97 | 37.42 | |
| 3 | 37.36 | 38.32 | 38.03 | 37.62 | 38.21 | 44.12 | 40.86 | 39.09 | 37.71 | 36.75 | 37.93 | 37.50 | |
| 4 | 37.09 | 38.37 | 37.94 | 37.52 | 38.30 | 43.22 | 40.53 | 38.73 | 37.41 | 36.86 | 37.60 | 37.51 | |
| 5 | 37.28 | 37.63 | 37.84 | 37.45 | 38.42 | 42.31 | 40.75 | 38.51 | 37.65 | 37.66 | 37.25 | 37.26 | |
| 6 | 37.40 | 37.09 | 37.80 | 37.13 | 38.52 | 41.72 | 41.59 | 38.21 | 37.53 | 37.92 | 37.23 | 37.19 | |
| 7 | 37.59 | 36.86 | 37.46 | 36.91 | 38.02 | 41.15 | 42.13 | 38.13 | 37.29 | 37.90 | 37.48 | 37.33 | |
| 8 | 37.68 | 36.88 | 37.27 | 36.70 | 37.50 | 40.43 | 42.75 | 37.80 | 36.89 | 37.38 | 37.42 | 37.21 | |
| 9 | 37.58 | 36.81 | 37.05 | 36.90 | 37.43 | 39.86 | 43.46 | 37.47 | 36.91 | 37.04 | 37.70 | 37.31 | |
| 10 | 37.15 | 37.02 | 36.85 | 36.86 | 36.93 | 39.41 | 43.82 | 37.50 | 36.86 | 37.41 | 37.65 | 37.37 | |
| 11 | 36.91 | 36.96 | 37.18 | 36.64 | 36.55 | 39.60 | 44.26 | 37.31 | 36.42 | 37.57 | 37.62 | 37.34 | |
| 12 | 37.27 | 36.98 | 37.40 | 36.64 | 36.36 | 40.75 | 44.62 | 37.01 | 36.22 | 37.89 | 37.30 | 36.98 | |
| 13 | 37.35 | 36.90 | 37.37 | 36.86 | 36.19 | 41.42 | 44.78 | 36.92 | 36.71 | 37.70 | 37.12 | 36.72 | |
| 14 | 37.45 | 36.85 | 37.35 | 37.23 | 36.01 | 41.71 | 44.80 | 36.98 | 37.04 | 37.49 | 37.49 | 37.06 | |
| 15 | 37.39 | 36.89 | 37.43 | 36.89 | 36.31 | 41.65 | 44.65 | 37.02 | 37.50 | 36.96 | 37.37 | 37.08 | |
| 16 | 37.20 | 36.71 | 37.26 | 36.92 | 37.64 | 41.60 | 43.88 | 36.89 | 37.62 | 36.92 | 37.37 | 37.05 | |
| 17 | 37.05 | 36.92 | 37.01 | 36.60 | 37.85 | 41.50 | 43.03 | 36.78 | 37.55 | 37.40 | 37.33 | 37.12 | |
| 18 | 37.30 | 36.69 | 36.94 | 36.80 | 37.59 | 41.77 | 42.51 | 36.58 | 37.20 | 37.54 | 37.30 | 37.01 | |
| 19 | 37.57 | 36.42 | 36.99 | 37.15 | 37.77 | 41.96 | 42.01 | 36.56 | 37.12 | 37.67 | 37.04 | 37.03 | |
| 20 | 37.63 | 36.22 | 36.85 | 37.53 | 37.76 | 42.02 | 41.60 | 36.53 | 37.61 | 37.70 | 36.90 | 36.73 | |
| 21 | 37.87 | 36.25 | 37.45 | 38.47 | 38.94 | 42.30 | 41.31 | 36.38 | 37.68 | 37.73 | 37.07 | 37.05 | |
| 22 | 38.04 | 36.56 | 38.01 | 39.45 | 39.88 | 43.01 | 40.97 | 36.58 | 37.69 | 37.32 | 37.32 | 37.06 | |
| 23 | 38.24 | 37.91 | 38.77 | 38.95 | 39.23 | 44.20 | 40.64 | 36.46 | 37.70 | 37.17 | 37.26 | 37.17 | |
| 24 | 38.18 | 41.72 | 39.13 | 38.22 | 38.53 | 44.61 | 40.45 | 36.41 | 37.79 | 37.47 | 37.18 | 37.13 | |
| 25 | 37.89 | 42.92 | 39.40 | 37.62 | 38.34 | 44.38 | 40.27 | 36.34 | 37.50 | 37.42 | 37.23 | 37.04 | |
| 26 | 38.09 | 41.93 | 39.17 | 37.65 | 38.04 | 43.72 | 40.11 | 36.19 | 37.26 | 37.60 | 36.83 | 36.83 | |
| 27 | 38.05 | 40.04 | 38.75 | 37.53 | 39.00 | 43.06 | 39.77 | 36.02 | 37.38 | 37.67 | 36.66 | 36.78 | |
| 28 | 38.24 | 38.60 | 38.57 | 37.54 | 40.16 | 42.63 | 39.53 | 35.81 | 37.42 | 37.72 | 37.17 | 37.26 | |
| 29 | 38.52 | 37.99 | 38.52 | 37.56 | 40.74 | 42.17 | 39.30 | 36.13 | 37.22 | 37.60 | | 37.21 | |
| 30 | 38.63 | 37.67 | 38.62 | 37.43 | 41.02 | 42.11 | 39.01 | 36.23 | 37.39 | 37.52 | | 37.55 | |
| 31 | | 37.50 | | 37.31 | 41.48 | | 38.89 | | 37.32 | 37.89 | | 37.69 | |
| Mean | 37.66 | 37.81 | 37.79 | 37.43 | 38.22 | 42.17 | 41.80 | 37.17 | 37.24 | 37.46 | 37.35 | 37.17 | |
| Max | 38.63 | 42.92 | 39.40 | 39.45 | 41.48 | 44.61 | 44.80 | 39.27 | 37.79 | 37.92 | 37.97 | 37.69 | 44.80 |
| Min | 36.91 | 36.22 | 36.85 | 36.60 | 36.01 | 39.41 | 38.89 | 35.81 | 36.06 | 36.75 | 36.66 | 36.72 | 35.81 |

Annual Max Momentary Gage Height 44.80 m. (MSL.) , at 06.00 Hours , on Oct 14, 2006

Zero Gage at Bottom Elevation 34.50 m. (MSL.) , River Bed 32.60 m. (MSL.)

Left Bank Elevation 44.26 m. (MSL.) ,

Right Bank Elevation 44.53 m. (MSL.) , Drainage Are 25,039 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 228.40 | 270.00 | 199.55 | 266.00 | 225.70 | 798.30 | 682.20 | 356.40 | 81.90 | 168.80 | 228.40 | 163.25 | | |
| 2 | 208.05 | 245.50 | 212.30 | 230.20 | 256.00 | 1059.25 | 603.75 | 359.70 | 137.00 | 156.50 | 229.30 | 181.70 | | |
| 3 | 176.80 | 262.00 | 234.70 | 198.70 | 251.00 | 1120.00 | 539.90 | 339.90 | 206.35 | 130.25 | 225.70 | 188.50 | | |
| 4 | 155.75 | 267.00 | 226.60 | 190.20 | 260.00 | 869.40 | 501.95 | 303.00 | 180.85 | 138.50 | 197.00 | 189.35 | | |
| 5 | 170.40 | 199.55 | 217.60 | 184.25 | 272.00 | 721.40 | 527.25 | 281.00 | 201.25 | 202.10 | 168.00 | 168.80 | | |
| 6 | 180.00 | 155.75 | 214.00 | 158.75 | 282.00 | 643.35 | 627.26 | 251.00 | 191.05 | 224.80 | 166.40 | 163.25 | | |
| 7 | 196.15 | 138.50 | 185.10 | 142.25 | 233.80 | 573.25 | 696.20 | 243.70 | 171.20 | 223.00 | 186.80 | 174.40 | | |
| 8 | 203.80 | 140.00 | 169.60 | 126.50 | 188.50 | 490.45 | 787.25 | 214.00 | 140.75 | 178.40 | 181.70 | 164.80 | | |
| 9 | 195.30 | 134.75 | 152.75 | 141.50 | 182.55 | 424.90 | 923.10 | 185.95 | 142.25 | 152.00 | 205.50 | 172.80 | | |
| 10 | 160.25 | 150.50 | 137.75 | 138.50 | 143.75 | 375.10 | 1018.30 | 188.50 | 138.50 | 180.85 | 201.25 | 177.60 | | |
| 11 | 142.25 | 146.00 | 162.50 | 122.00 | 115.50 | 396.00 | 1174.60 | 172.80 | 106.40 | 194.45 | 198.70 | 175.20 | | |
| 12 | 169.60 | 147.50 | 180.00 | 122.00 | 102.20 | 527.25 | 1357.50 | 149.75 | 92.40 | 222.10 | 172.00 | 147.50 | | |
| 13 | 176.00 | 141.50 | 177.60 | 138.50 | 90.35 | 606.23 | 1457.50 | 143.00 | 127.25 | 205.50 | 158.00 | 128.00 | | |
| 14 | 184.25 | 137.75 | 176.00 | 166.40 | 78.65 | 642.11 | 1470.00 | 147.50 | 152.00 | 187.65 | 187.65 | 153.50 | | |
| 15 | 179.20 | 140.75 | 182.55 | 140.75 | 98.70 | 634.69 | 1376.25 | 150.50 | 188.50 | 146.00 | 177.60 | 155.00 | | |
| 16 | 164.00 | 127.25 | 168.80 | 143.00 | 200.40 | 628.50 | 1037.20 | 140.75 | 198.70 | 143.00 | 177.60 | 152.75 | | |
| 17 | 152.75 | 143.00 | 149.75 | 119.00 | 218.50 | 616.13 | 833.55 | 132.50 | 192.75 | 180.00 | 174.40 | 158.00 | | |
| 18 | 172.00 | 125.75 | 144.50 | 134.00 | 196.15 | 649.54 | 750.50 | 117.60 | 164.00 | 191.90 | 172.00 | 149.75 | | |
| 19 | 194.45 | 106.40 | 148.25 | 160.25 | 211.45 | 673.05 | 679.40 | 116.20 | 158.00 | 202.95 | 152.00 | 151.25 | | |
| 20 | 199.55 | 92.40 | 137.75 | 191.05 | 210.60 | 680.80 | 628.50 | 114.10 | 197.85 | 205.50 | 141.50 | 128.75 | | |
| 21 | 220.30 | 94.50 | 184.25 | 277.00 | 324.00 | 720.00 | 592.61 | 103.60 | 203.80 | 208.05 | 154.25 | 152.75 | | |
| 22 | 235.60 | 116.20 | 232.90 | 379.50 | 427.20 | 829.85 | 552.55 | 117.60 | 204.65 | 173.60 | 173.60 | 153.50 | | |
| 23 | 254.00 | 223.90 | 307.00 | 325.00 | 355.30 | 1150.00 | 514.60 | 109.20 | 205.50 | 161.75 | 168.80 | 161.75 | | |
| 24 | 248.20 | 643.35 | 344.30 | 252.00 | 283.00 | 1351.25 | 492.75 | 105.70 | 213.15 | 185.95 | 162.50 | 158.75 | | |
| 25 | 222.10 | 814.80 | 374.00 | 198.70 | 264.00 | 1223.80 | 472.05 | 100.80 | 188.50 | 181.70 | 166.40 | 152.00 | | |
| 26 | 240.10 | 669.34 | 348.70 | 201.25 | 235.60 | 989.60 | 453.65 | 90.35 | 168.80 | 197.00 | 136.25 | 136.25 | | |
| 27 | 236.50 | 445.60 | 305.00 | 191.05 | 330.00 | 839.10 | 414.70 | 79.30 | 178.40 | 202.95 | 123.50 | 132.50 | | |
| 28 | 254.00 | 290.00 | 287.00 | 191.90 | 459.40 | 768.65 | 388.30 | 67.55 | 181.70 | 207.20 | 161.75 | 168.80 | | |
| 29 | 282.00 | 231.10 | 282.00 | 193.60 | 526.10 | 701.80 | 363.00 | 86.45 | 165.60 | 197.00 | | 164.80 | | |
| 30 | 293.00 | 202.95 | 292.00 | 182.55 | 558.30 | 693.40 | 331.10 | 93.10 | 179.20 | 190.20 | | 192.75 | | |
| 31 | | 188.50 | | 172.80 | 613.65 | | 319.00 | | 173.60 | 222.10 | | 204.65 | | |
| Total | 6094.75 | 7192.09 | 6534.80 | 5779.15 | 8194.35 | 22397.15 | 22566.47 | 5061.50 | 5231.85 | 5761.75 | 4948.55 | 5022.65 | 104785.06 | CMSDAY |
| Mean | 203.16 | 232.00 | 217.83 | 186.42 | 264.33 | 746.57 | 727.95 | 168.72 | 168.77 | 185.86 | 176.73 | 162.02 | 287.08 | CMS |
| Max | 293.00 | 814.80 | 374.00 | 379.50 | 613.65 | 1351.25 | 1470.00 | 359.70 | 213.15 | 224.80 | 229.30 | 204.65 | 1470.00 | CMS |
| Min | 142.25 | 92.40 | 137.75 | 119.00 | 78.65 | 375.10 | 319.00 | 67.55 | 81.90 | 130.25 | 123.50 | 128.00 | 67.55 | CMS |
| Runoff | 526.59 | 621.40 | 564.61 | 499.32 | 707.99 | 1935.11 | 1949.74 | 437.31 | 452.03 | 497.82 | 427.55 | 433.96 | 9053.43 | MCM |

Momentary Peak 1470.00 CMS. at 44.80 m. (MSL.) at 06.00 Hours , on Oct 14, 2006

Runoff Yield 11.47 Liters/Second/Square KM. Momentary Peak Yield 58.71 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Rat Chang Khwan , Phichit (N.7A)

Lat 16 - 28 - 03 N Long 100 - 20 - 05 E

**Location : on right bank in front of Phichit Phitthaya Khom School**

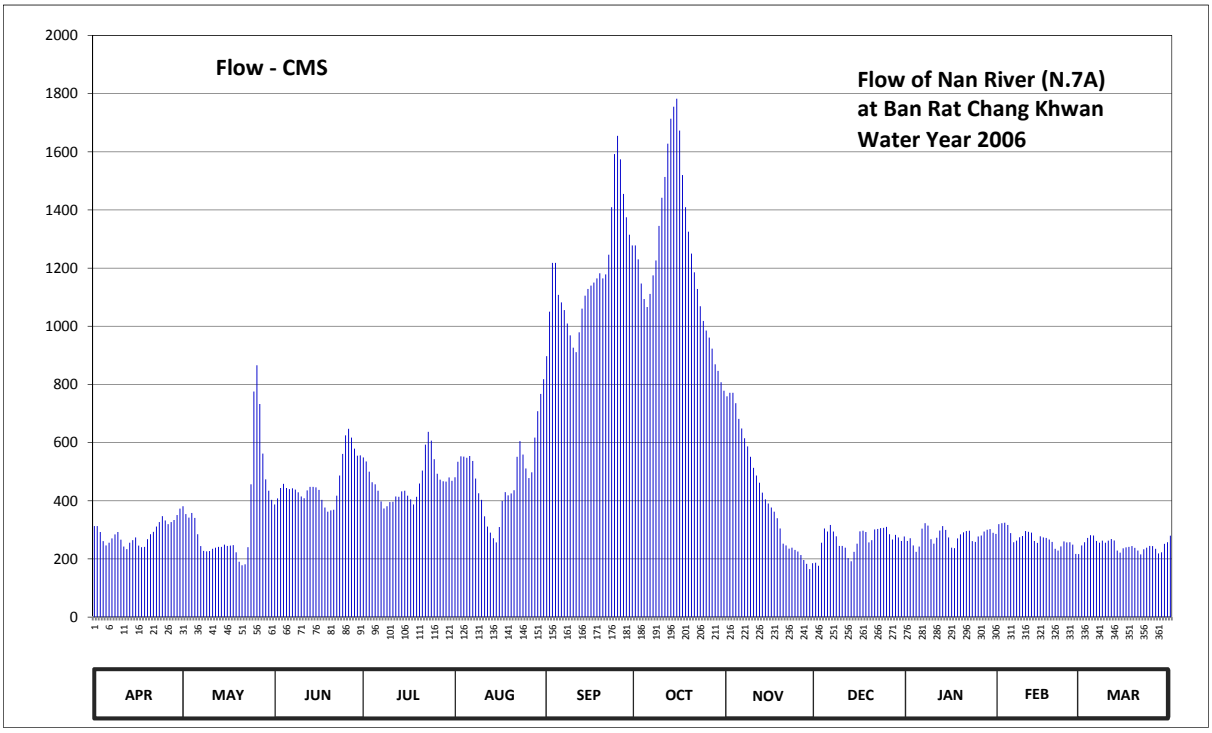
**Ban** Rat Chang Khwan **Amphoe** Mueang **Changwat** Phichit

| | |
|---|---|
| **Drainge Area** | 27,897 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +26.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | In front of Phichit Phitthaya Khom School. **Elevation** +42.146 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 2000 to date |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by Naresuan Dam.<br>Stage-discharge relation defined by 21 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29.79 | 30.54 | 30.60 | 32.27 | 31.59 | 35.12 | 36.57 | 34.21 | 28.30 | 29.21 | 29.86 | 29.03 | |
| 2 | 29.79 | 30.25 | 30.82 | 32.13 | 32.12 | 35.88 | 36.45 | 34.30 | 28.17 | 29.32 | 29.90 | 29.16 | |
| 3 | 29.56 | 30.11 | 31.20 | 31.78 | 32.31 | 36.42 | 36.22 | 34.30 | 29.14 | 29.03 | 29.92 | 29.33 | |
| 4 | 29.20 | 30.29 | 31.35 | 31.41 | 32.30 | 36.42 | 36.04 | 34.02 | 29.70 | 28.77 | 29.83 | 29.44 | |
| 5 | 29.03 | 30.10 | 31.20 | 31.33 | 32.26 | 36.09 | 35.94 | 33.56 | 29.58 | 28.98 | 29.52 | 29.43 | |
| 6 | 29.14 | 29.48 | 31.16 | 31.10 | 32.32 | 36.00 | 36.10 | 33.26 | 29.83 | 29.69 | 29.16 | 29.21 | |
| 7 | 29.31 | 29.00 | 31.19 | 30.71 | 32.15 | 35.90 | 36.30 | 32.93 | 29.58 | 29.90 | 29.22 | 29.14 | |
| 8 | 29.47 | 28.81 | 31.14 | 30.46 | 31.54 | 35.71 | 36.44 | 32.65 | 29.40 | 29.81 | 29.36 | 29.22 | |
| 9 | 29.56 | 28.79 | 31.04 | 30.54 | 31.01 | 35.52 | 36.71 | 32.29 | 29.01 | 29.28 | 29.41 | 29.14 | |
| 10 | 29.26 | 28.80 | 30.89 | 30.69 | 30.77 | 35.29 | 36.88 | 31.91 | 29.01 | 29.10 | 29.60 | 29.22 | |
| 11 | 28.98 | 28.89 | 30.83 | 30.70 | 30.16 | 35.20 | 36.99 | 31.65 | 28.94 | 29.34 | 29.57 | 29.29 | |
| 12 | 28.88 | 28.94 | 31.11 | 30.89 | 29.77 | 35.57 | 37.12 | 31.39 | 28.50 | 29.62 | 29.54 | 29.23 | |
| 13 | 29.14 | 28.97 | 31.24 | 30.88 | 29.54 | 35.92 | 37.21 | 31.03 | 28.36 | 29.79 | 29.21 | 28.82 | |
| 14 | 29.24 | 28.97 | 31.24 | 31.08 | 29.32 | 36.08 | 37.24 | 30.79 | 28.77 | 29.64 | 29.13 | 28.73 | |
| 15 | 29.35 | 29.06 | 31.22 | 31.10 | 29.15 | 36.16 | 37.26 | 30.64 | 29.10 | 29.35 | 29.40 | 28.91 | |
| 16 | 29.02 | 29.01 | 31.13 | 30.92 | 29.75 | 36.20 | 37.17 | 30.49 | 29.59 | 28.94 | 29.35 | 28.95 | |
| 17 | 28.96 | 29.02 | 30.77 | 30.79 | 30.73 | 36.23 | 37.00 | 30.34 | 29.61 | 28.92 | 29.33 | 28.97 | |
| 18 | 28.97 | 29.04 | 30.49 | 30.60 | 31.05 | 36.27 | 36.83 | 30.09 | 29.56 | 29.31 | 29.27 | 29.00 | |
| 19 | 29.28 | 28.75 | 30.34 | 30.88 | 30.93 | 36.32 | 36.67 | 29.70 | 29.15 | 29.47 | 29.17 | 28.93 | |
| 20 | 29.48 | 28.34 | 30.39 | 31.36 | 31.00 | 36.27 | 36.50 | 29.10 | 29.24 | 29.55 | 28.89 | 28.82 | |
| 21 | 29.57 | 28.19 | 30.41 | 31.82 | 31.12 | 36.31 | 36.33 | 29.03 | 29.66 | 29.60 | 28.82 | 28.66 | |
| 22 | 29.77 | 28.23 | 30.92 | 32.71 | 32.29 | 36.49 | 36.16 | 28.90 | 29.68 | 29.61 | 28.99 | 28.87 | |
| 23 | 29.94 | 28.96 | 31.65 | 33.15 | 32.83 | 36.83 | 35.95 | 28.94 | 29.71 | 29.20 | 29.19 | 28.94 | |
| 24 | 30.17 | 31.33 | 32.39 | 32.85 | 32.37 | 37.08 | 35.75 | 28.85 | 29.72 | 29.17 | 29.15 | 29.01 | |
| 25 | 30.00 | 34.33 | 33.03 | 32.21 | 31.89 | 37.15 | 35.60 | 28.78 | 29.76 | 29.39 | 29.16 | 29.00 | |
| 26 | 29.86 | 34.93 | 33.25 | 31.71 | 31.56 | 37.06 | 35.48 | 28.63 | 29.48 | 29.43 | 29.06 | 28.89 | |
| 27 | 29.94 | 34.00 | 32.95 | 31.50 | 31.76 | 36.90 | 35.27 | 28.42 | 29.27 | 29.58 | 28.68 | 28.70 | |
| 28 | 30.02 | 32.40 | 32.57 | 31.44 | 32.95 | 36.77 | 34.95 | 28.25 | 29.45 | 29.65 | 28.67 | 28.75 | |
| 29 | 30.21 | 31.51 | 32.33 | 31.43 | 33.80 | 36.65 | 34.81 | 28.01 | 29.35 | 29.67 | | 29.09 | |
| 30 | 30.45 | 31.10 | 32.34 | 31.58 | 34.27 | 36.57 | 34.56 | 28.28 | 29.21 | 29.53 | | 29.16 | |
| 31 | | 30.77 | | 31.46 | 34.63 | | 34.35 | | 29.39 | 29.49 | | 29.42 | |
| Mean | 29.51 | 30.03 | 31.37 | 31.40 | 31.59 | 36.21 | 36.22 | 30.82 | 29.27 | 29.40 | 29.30 | 29.05 | |
| Max | 30.45 | 34.93 | 33.25 | 33.15 | 34.63 | 37.15 | 37.26 | 34.30 | 29.83 | 29.90 | 29.92 | 29.44 | 37.26 |
| Min | 28.88 | 28.19 | 30.34 | 30.46 | 29.15 | 35.12 | 34.35 | 28.01 | 28.17 | 28.77 | 28.67 | 28.66 | 28.01 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 37.26 | m. (MSL.) , | at 06.00 Hours , on Oct 15, 2006 | | |
| Zero Gage at Bottom Elevation | 26.00 | m. (MSL.) , | River Bed | 20.81 | m. (MSL.) |
| Left Bank Elevation | 37.39 | m. (MSL.) , | | | |
| Right Bank Elevation | 37.38 | m. (MSL.) , | Drainage Are | 27,897 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 313.10 | 381.30 | 387.00 | 549.00 | 481.05 | 897.40 | 1278.00 | 759.35 | 187.00 | 261.85 | 319.40 | 246.55 | | |
| 2 | 313.10 | 354.50 | 407.90 | 535.00 | 534.00 | 1050.20 | 1230.00 | 771.50 | 176.75 | 271.20 | 323.00 | 257.60 | | |
| 3 | 292.40 | 341.90 | 444.00 | 500.00 | 553.00 | 1218.00 | 1147.00 | 771.50 | 255.90 | 246.55 | 324.80 | 272.05 | | |
| 4 | 261.00 | 358.10 | 458.25 | 463.95 | 552.00 | 1218.00 | 1093.60 | 735.50 | 305.00 | 224.60 | 316.70 | 281.60 | | |
| 5 | 246.55 | 341.00 | 444.00 | 456.35 | 548.00 | 1108.10 | 1066.10 | 681.60 | 294.20 | 242.30 | 288.80 | 280.70 | | |
| 6 | 255.90 | 285.20 | 440.20 | 434.50 | 554.00 | 1082.00 | 1111.00 | 648.60 | 316.70 | 304.10 | 257.60 | 261.85 | | |
| 7 | 270.35 | 244.00 | 443.05 | 397.45 | 537.00 | 1055.50 | 1175.00 | 615.00 | 294.20 | 323.00 | 262.70 | 255.90 | | |
| 8 | 284.30 | 227.85 | 438.30 | 373.70 | 476.30 | 1009.20 | 1226.00 | 587.00 | 278.00 | 314.90 | 274.60 | 262.70 | | |
| 9 | 292.40 | 226.20 | 428.80 | 381.30 | 425.95 | 969.00 | 1345.00 | 551.00 | 244.85 | 267.80 | 278.90 | 255.90 | | |
| 10 | 266.10 | 227.00 | 414.55 | 395.55 | 403.15 | 926.30 | 1442.00 | 513.00 | 244.85 | 252.50 | 296.00 | 262.70 | | |
| 11 | 242.30 | 234.65 | 408.85 | 396.50 | 346.40 | 911.00 | 1513.50 | 487.00 | 238.90 | 272.90 | 293.30 | 268.65 | | |
| 12 | 233.80 | 238.90 | 435.45 | 414.55 | 311.30 | 979.00 | 1628.00 | 462.05 | 203.00 | 297.80 | 290.60 | 263.55 | | |
| 13 | 255.90 | 241.45 | 447.80 | 413.60 | 290.60 | 1060.80 | 1713.75 | 427.85 | 191.80 | 313.10 | 261.85 | 228.70 | | |
| 14 | 264.40 | 241.45 | 447.80 | 432.60 | 271.20 | 1105.20 | 1755.00 | 405.05 | 224.60 | 299.60 | 255.05 | 221.40 | | |
| 15 | 273.75 | 249.10 | 445.90 | 434.50 | 256.75 | 1128.40 | 1782.50 | 390.80 | 252.50 | 273.75 | 278.00 | 236.35 | | |
| 16 | 245.70 | 244.85 | 437.35 | 417.40 | 309.50 | 1140.00 | 1673.00 | 376.55 | 295.10 | 238.90 | 273.75 | 239.75 | | |
| 17 | 240.60 | 245.70 | 403.15 | 405.05 | 399.35 | 1150.50 | 1520.00 | 362.60 | 296.90 | 237.20 | 272.05 | 241.45 | | |
| 18 | 241.45 | 247.40 | 376.55 | 387.00 | 429.75 | 1164.50 | 1409.50 | 340.10 | 292.40 | 270.35 | 266.95 | 244.00 | | |
| 19 | 267.80 | 223.00 | 362.60 | 413.60 | 418.35 | 1182.00 | 1325.00 | 305.00 | 256.75 | 284.30 | 258.45 | 238.05 | | |
| 20 | 285.20 | 190.20 | 367.10 | 459.20 | 425.00 | 1164.50 | 1250.00 | 252.50 | 264.40 | 291.50 | 234.65 | 228.70 | | |
| 21 | 293.30 | 178.25 | 368.95 | 504.00 | 436.40 | 1178.50 | 1185.50 | 246.55 | 301.40 | 296.00 | 228.70 | 215.80 | | |
| 22 | 311.30 | 181.40 | 417.40 | 593.00 | 551.00 | 1246.00 | 1128.40 | 235.50 | 303.20 | 296.90 | 243.15 | 232.95 | | |
| 23 | 326.60 | 240.60 | 487.00 | 637.00 | 605.00 | 1409.50 | 1068.75 | 238.90 | 305.90 | 261.00 | 260.15 | 238.90 | | |
| 24 | 347.30 | 456.35 | 561.00 | 607.00 | 559.00 | 1592.00 | 1018.00 | 231.25 | 306.80 | 258.45 | 256.75 | 244.85 | | |
| 25 | 332.00 | 775.55 | 625.00 | 543.00 | 511.00 | 1655.00 | 985.00 | 225.40 | 310.40 | 277.15 | 257.60 | 244.00 | | |
| 26 | 319.40 | 865.80 | 647.50 | 493.00 | 478.20 | 1574.00 | 961.00 | 213.40 | 285.20 | 280.70 | 249.10 | 234.65 | | |
| 27 | 326.60 | 733.00 | 617.00 | 472.50 | 498.00 | 1455.00 | 922.90 | 196.60 | 266.95 | 294.20 | 217.40 | 219.00 | | |
| 28 | 333.80 | 562.00 | 579.00 | 466.80 | 617.00 | 1375.00 | 869.00 | 183.00 | 282.50 | 300.50 | 216.60 | 223.00 | | |
| 29 | 350.90 | 473.45 | 555.00 | 465.85 | 708.00 | 1315.00 | 846.60 | 164.75 | 273.75 | 302.30 | | 251.65 | | |
| 30 | 372.75 | 434.50 | 556.00 | 480.10 | 767.45 | 1278.00 | 807.40 | 185.40 | 261.85 | 289.70 | | 257.60 | | |
| 31 | | 403.15 | | 468.70 | 817.80 | | 778.25 | | 277.15 | 286.10 | | 279.80 | | |
| Total | 8660.05 | 10647.80 | 13852.45 | 14391.75 | 15071.50 | 35597.60 | 38254.75 | 12564.30 | 8288.90 | 8631.20 | 7556.60 | 7690.35 | 181207.25 | CMSDAY |
| Mean | 288.67 | 343.48 | 461.75 | 464.25 | 486.18 | 1186.59 | 1234.02 | 418.81 | 267.38 | 278.43 | 269.88 | 248.08 | 496.46 | CMS |
| Max | 372.75 | 865.80 | 647.50 | 637.00 | 817.80 | 1655.00 | 1782.50 | 771.50 | 316.70 | 323.00 | 324.80 | 281.60 | 1782.50 | CMS |
| Min | 233.80 | 178.25 | 362.60 | 373.70 | 256.75 | 897.40 | 778.25 | 164.75 | 176.75 | 224.60 | 216.60 | 215.80 | 164.75 | CMS |
| Runoff | 748.23 | 919.97 | 1196.85 | 1243.45 | 1302.18 | 3075.63 | 3305.21 | 1085.56 | 716.16 | 745.74 | 652.89 | 664.45 | 15656.31 | MCM |

Momentary Peak 1782.50 CMS. at 37.26 m. (MSL.) at 06.00 Hours , on Oct 15, 2006

Runoff Yield 17.80 Liters/Second/Square KM. Momentary Peak Yield 63.90 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Hor Krai , Phichit (N.8A)

Lat 16 - 04 - 45 N Long 100 - 24 - 00 E

**Location : on right bank opposite to Wat Bang Mun Nak.**

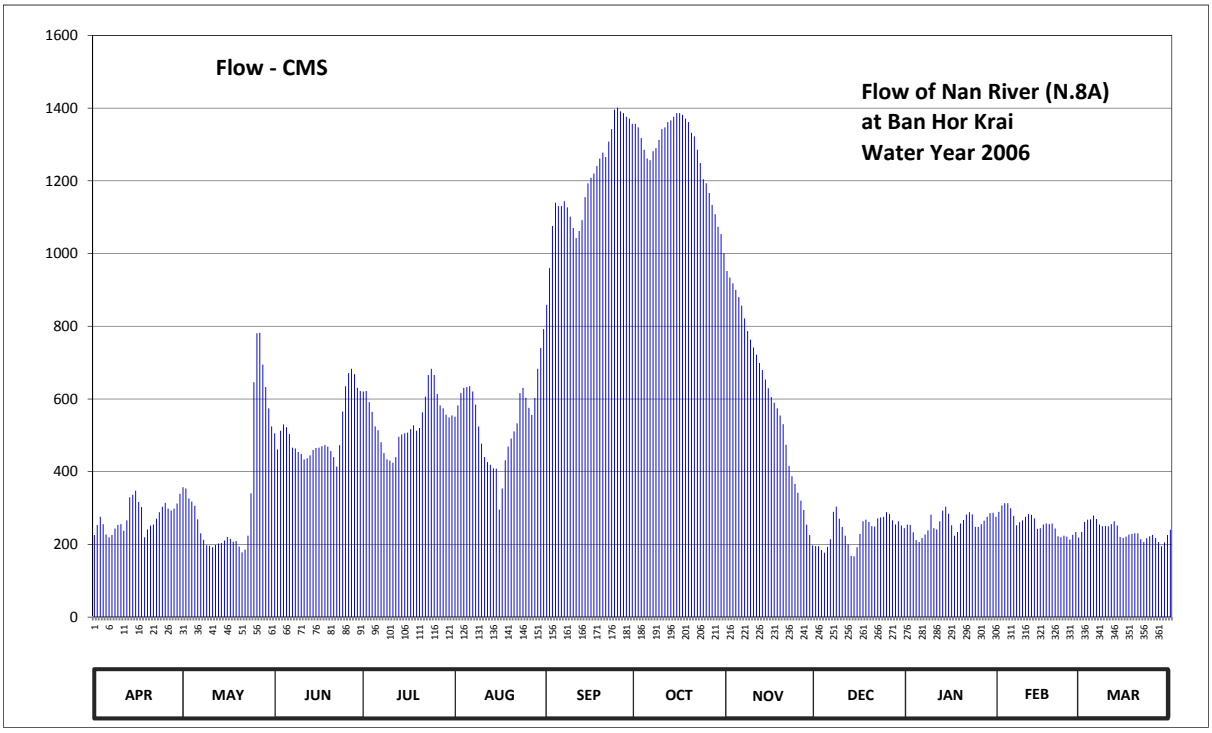
**Ban** Hor Krai **Amphoe** Bang Mun Nak **Changwat** Phichit

| | |
|---|---|
| **Drainge Area** | 31,472 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +20.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 89 meters upstream from the top staff gage. **Elevation** +30.948 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2000 to date |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +29.860 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Flow effected by Naresuan Dam.<br>Stage-discharge relation defined by 31 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23.46 | 24.96 | 26.50 | 27.56 | 26.93 | 29.43 | 31.12 | 29.90 | 23.10 | 23.79 | 24.20 | 23.56 | |
| 2 | 23.78 | 24.92 | 26.06 | 27.57 | 27.21 | 29.94 | 31.10 | 29.81 | 23.09 | 23.78 | 24.40 | 23.88 | |
| 3 | 24.04 | 24.61 | 26.57 | 27.29 | 27.52 | 30.40 | 31.04 | 29.73 | 22.95 | 23.55 | 24.47 | 23.95 | |
| 4 | 23.81 | 24.52 | 26.73 | 27.05 | 27.65 | 30.60 | 30.97 | 29.64 | 22.86 | 23.30 | 24.47 | 23.96 | |
| 5 | 23.48 | 24.39 | 26.66 | 26.68 | 27.67 | 30.57 | 30.91 | 29.54 | 23.07 | 23.24 | 24.31 | 24.08 | |
| 6 | 23.39 | 23.96 | 26.48 | 26.58 | 27.69 | 30.57 | 30.90 | 29.42 | 23.33 | 23.37 | 24.07 | 23.97 | |
| 7 | 23.46 | 23.52 | 26.11 | 26.26 | 27.56 | 30.61 | 30.96 | 29.21 | 24.20 | 23.48 | 23.77 | 23.80 | |
| 8 | 23.67 | 23.31 | 26.09 | 25.96 | 27.23 | 30.56 | 30.98 | 29.00 | 24.36 | 23.61 | 23.87 | 23.74 | |
| 9 | 23.78 | 23.13 | 25.99 | 25.79 | 26.68 | 30.48 | 31.03 | 28.81 | 23.98 | 24.11 | 23.93 | 23.75 | |
| 10 | 23.81 | 23.11 | 25.94 | 25.75 | 26.22 | 30.38 | 31.09 | 28.63 | 23.72 | 23.68 | 24.04 | 23.74 | |
| 11 | 23.60 | 23.06 | 25.79 | 25.69 | 25.85 | 30.28 | 31.10 | 28.46 | 23.44 | 23.64 | 24.13 | 23.81 | |
| 12 | 23.93 | 23.14 | 25.82 | 25.85 | 25.71 | 30.35 | 31.13 | 28.26 | 23.16 | 23.90 | 24.10 | 23.90 | |
| 13 | 24.65 | 23.19 | 25.90 | 26.41 | 25.63 | 30.45 | 31.14 | 28.09 | 22.74 | 24.24 | 23.99 | 23.76 | |
| 14 | 24.73 | 23.21 | 26.05 | 26.47 | 25.53 | 30.64 | 31.16 | 27.86 | 22.72 | 24.36 | 23.66 | 23.40 | |
| 15 | 24.85 | 23.29 | 26.10 | 26.50 | 25.52 | 30.74 | 31.18 | 27.64 | 23.06 | 24.14 | 23.68 | 23.37 | |
| 16 | 24.51 | 23.40 | 26.11 | 26.52 | 24.27 | 30.78 | 31.18 | 27.42 | 23.50 | 23.77 | 23.80 | 23.41 | |
| 17 | 24.35 | 23.34 | 26.15 | 26.61 | 24.92 | 30.81 | 31.17 | 27.28 | 23.90 | 23.44 | 23.83 | 23.48 | |
| 18 | 23.39 | 23.25 | 26.18 | 26.71 | 25.76 | 30.86 | 31.15 | 27.14 | 23.95 | 23.56 | 23.81 | 23.50 | |
| 19 | 23.64 | 23.27 | 26.14 | 26.57 | 26.14 | 30.91 | 31.13 | 26.96 | 23.88 | 23.83 | 23.83 | 23.52 | |
| 20 | 23.76 | 23.08 | 26.02 | 26.64 | 26.36 | 30.95 | 31.07 | 26.74 | 23.74 | 23.94 | 23.67 | 23.52 | |
| 21 | 23.80 | 22.87 | 25.85 | 27.04 | 26.55 | 30.92 | 31.05 | 26.19 | 23.73 | 24.11 | 23.42 | 23.33 | |
| 22 | 23.98 | 22.97 | 25.58 | 27.43 | 26.76 | 31.02 | 30.97 | 25.60 | 23.99 | 24.19 | 23.39 | 23.24 | |
| 23 | 24.19 | 23.44 | 26.18 | 27.97 | 27.52 | 31.09 | 30.88 | 25.29 | 24.02 | 24.12 | 23.44 | 23.36 | |
| 24 | 24.36 | 24.77 | 27.06 | 28.12 | 27.65 | 31.20 | 30.77 | 25.06 | 24.04 | 23.72 | 23.41 | 23.42 | |
| 25 | 24.48 | 27.79 | 27.69 | 27.97 | 27.40 | 31.21 | 30.74 | 24.79 | 24.19 | 23.72 | 23.32 | 23.47 | |
| 26 | 24.30 | 28.95 | 28.02 | 27.50 | 27.15 | 31.19 | 30.67 | 24.55 | 24.13 | 23.81 | 23.47 | 23.37 | |
| 27 | 24.24 | 28.96 | 28.12 | 27.21 | 26.97 | 31.18 | 30.58 | 24.26 | 23.93 | 23.92 | 23.56 | 23.24 | |
| 28 | 24.30 | 28.22 | 27.99 | 27.14 | 27.40 | 31.16 | 30.50 | 23.79 | 23.80 | 24.04 | 23.38 | 23.09 | |
| 29 | 24.46 | 27.67 | 27.65 | 26.98 | 28.12 | 31.15 | 30.39 | 23.46 | 23.90 | 24.16 | | 23.23 | |
| 30 | 24.76 | 27.14 | 27.57 | 26.91 | 28.62 | 31.12 | 30.32 | 23.12 | 23.76 | 24.17 | | 23.46 | |
| 31 | | 26.68 | | 26.96 | 29.03 | | 30.12 | | 23.68 | 24.04 | | 23.63 | |
| Mean | 24.03 | 24.58 | 26.50 | 26.83 | 26.81 | 30.72 | 30.92 | 27.19 | 23.61 | 23.83 | 23.84 | 23.58 | |
| Max | 24.85 | 28.96 | 28.12 | 28.12 | 29.03 | 31.21 | 31.18 | 29.90 | 24.36 | 24.36 | 24.47 | 24.08 | 31.21 |
| Min | 23.39 | 22.87 | 25.58 | 25.69 | 24.27 | 29.43 | 30.12 | 23.12 | 22.72 | 23.24 | 23.32 | 23.09 | 22.72 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 31.22 | m. (MSL.) , | at 18.00 Hours , on Sep 24, 2006 | | |
| Zero Gage at Bottom Elevation | 20.00 | m. (MSL.) , | River Bed | 19.35 | m. (MSL.) |
| Left Bank Elevation | 29.85 | m. (MSL.) , | | | |
| Right Bank Elevation | 30.90 | m. (MSL.) , | Drainage Are | 31,472 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 225.53 | 357.40 | 505.50 | 620.60 | 551.30 | 858.85 | 1356.80 | 952.00 | 195.50 | 254.13 | 289.67 | 234.20 | | |
| 2 | 253.27 | 353.80 | 461.00 | 621.70 | 582.10 | 960.00 | 1347.00 | 934.00 | 194.75 | 253.27 | 307.00 | 261.93 | | |
| 3 | 275.80 | 325.90 | 512.85 | 590.90 | 616.20 | 1076.00 | 1317.60 | 918.00 | 184.25 | 233.33 | 313.30 | 268.00 | | |
| 4 | 255.87 | 317.80 | 529.65 | 564.50 | 630.50 | 1140.00 | 1285.70 | 900.00 | 177.50 | 211.67 | 313.30 | 268.87 | | |
| 5 | 227.27 | 306.13 | 522.30 | 524.40 | 632.70 | 1130.40 | 1261.10 | 880.30 | 193.25 | 206.47 | 299.20 | 279.27 | | |
| 6 | 219.47 | 268.87 | 503.40 | 513.90 | 634.90 | 1130.40 | 1257.00 | 856.90 | 214.27 | 217.73 | 278.40 | 269.73 | | |
| 7 | 225.53 | 230.73 | 466.00 | 481.00 | 620.60 | 1143.80 | 1281.60 | 821.65 | 289.67 | 227.27 | 252.40 | 255.00 | | |
| 8 | 243.73 | 212.53 | 464.00 | 451.00 | 584.30 | 1127.20 | 1289.80 | 787.00 | 303.53 | 238.53 | 261.07 | 249.80 | | |
| 9 | 253.27 | 197.75 | 454.00 | 434.05 | 524.40 | 1101.60 | 1312.70 | 763.25 | 270.60 | 281.87 | 266.27 | 250.67 | | |
| 10 | 255.87 | 196.25 | 449.00 | 430.25 | 477.00 | 1070.40 | 1342.10 | 741.60 | 248.07 | 244.60 | 275.80 | 249.80 | | |
| 11 | 237.67 | 192.50 | 434.05 | 424.55 | 440.00 | 1042.40 | 1347.00 | 721.90 | 223.80 | 241.13 | 283.60 | 255.87 | | |
| 12 | 266.27 | 198.50 | 437.00 | 440.00 | 426.45 | 1062.00 | 1361.70 | 698.90 | 200.00 | 263.67 | 281.00 | 263.67 | | |
| 13 | 329.50 | 202.25 | 445.00 | 496.05 | 418.85 | 1092.00 | 1366.60 | 679.35 | 168.50 | 293.13 | 271.47 | 251.53 | | |
| 14 | 336.70 | 203.87 | 460.00 | 502.35 | 409.35 | 1155.20 | 1376.40 | 653.60 | 167.00 | 303.53 | 242.87 | 220.33 | | |
| 15 | 347.50 | 210.80 | 465.00 | 505.50 | 408.40 | 1193.20 | 1386.20 | 629.40 | 192.50 | 284.47 | 244.60 | 217.73 | | |
| 16 | 316.90 | 220.33 | 466.00 | 507.60 | 295.73 | 1208.40 | 1386.20 | 605.20 | 229.00 | 252.40 | 255.00 | 221.20 | | |
| 17 | 302.67 | 215.13 | 470.00 | 517.05 | 353.80 | 1220.10 | 1381.30 | 589.80 | 263.67 | 223.80 | 257.60 | 227.27 | | |
| 18 | 219.47 | 207.33 | 473.00 | 527.55 | 431.20 | 1240.60 | 1371.50 | 574.40 | 268.00 | 234.20 | 255.87 | 229.00 | | |
| 19 | 241.13 | 209.07 | 469.00 | 512.85 | 469.00 | 1261.10 | 1361.70 | 554.60 | 261.93 | 257.60 | 257.60 | 230.73 | | |
| 20 | 251.53 | 194.00 | 457.00 | 520.20 | 491.00 | 1277.50 | 1332.30 | 530.70 | 249.80 | 267.13 | 243.73 | 230.73 | | |
| 21 | 255.00 | 178.25 | 440.00 | 563.40 | 510.75 | 1265.20 | 1322.50 | 474.00 | 248.93 | 281.87 | 222.07 | 214.27 | | |
| 22 | 270.60 | 185.75 | 414.10 | 606.30 | 532.80 | 1307.80 | 1285.70 | 416.00 | 271.47 | 288.80 | 219.47 | 206.47 | | |
| 23 | 288.80 | 223.80 | 473.00 | 665.70 | 616.20 | 1342.10 | 1248.80 | 387.10 | 274.07 | 282.73 | 223.80 | 216.87 | | |
| 24 | 303.53 | 340.30 | 565.60 | 682.80 | 630.50 | 1396.00 | 1204.60 | 366.40 | 275.80 | 248.07 | 221.20 | 222.07 | | |
| 25 | 314.20 | 645.90 | 634.90 | 665.70 | 603.00 | 1401.10 | 1193.20 | 342.10 | 288.80 | 248.07 | 213.40 | 226.40 | | |
| 26 | 298.33 | 780.75 | 671.30 | 614.00 | 575.50 | 1391.10 | 1166.60 | 320.50 | 283.60 | 255.87 | 226.40 | 217.73 | | |
| 27 | 293.13 | 782.00 | 682.80 | 582.10 | 555.70 | 1386.20 | 1133.60 | 294.87 | 266.27 | 265.40 | 234.20 | 206.47 | | |
| 28 | 298.33 | 694.30 | 667.90 | 574.40 | 603.00 | 1376.40 | 1108.00 | 254.13 | 255.00 | 275.80 | 218.60 | 194.75 | | |
| 29 | 312.40 | 632.70 | 630.50 | 556.80 | 682.80 | 1371.50 | 1073.20 | 225.53 | 263.67 | 286.20 | | 205.60 | | |
| 30 | 339.40 | 574.40 | 621.70 | 549.10 | 740.40 | 1356.80 | 1053.60 | 197.00 | 251.53 | 287.07 | | 225.53 | | |
| 31 | | 524.40 | | 554.60 | 791.95 | | 1000.80 | | 244.60 | 275.80 | | 240.27 | | |
| Total | 8258.67 | 10383.49 | 15245.55 | 16800.90 | 16840.38 | 36085.35 | 39512.90 | 18070.18 | 7419.33 | 7985.61 | 7228.89 | 7311.76 | 191143.01 | CMSDAY |
| Mean | 275.29 | 334.95 | 508.19 | 541.96 | 543.24 | 1202.85 | 1274.61 | 602.34 | 239.33 | 257.60 | 258.17 | 235.86 | 523.68 | CMS |
| Max | 347.50 | 782.00 | 682.80 | 682.80 | 791.95 | 1401.10 | 1386.20 | 952.00 | 303.53 | 303.53 | 313.30 | 279.27 | 1401.10 | CMS |
| Min | 219.47 | 178.25 | 414.10 | 424.55 | 295.73 | 858.85 | 1000.80 | 197.00 | 167.00 | 206.47 | 213.40 | 194.75 | 167.00 | CMS |
| Runoff | 713.55 | 897.13 | 1317.22 | 1451.60 | 1455.01 | 3117.77 | 3413.91 | 1561.26 | 641.03 | 689.96 | 624.58 | 631.74 | 16514.76 | MCM |

Momentary Peak 1406.20 CMS. at 31.22 m. (MSL.) at 18.00 Hours , on Sep 24, 2006

Runoff Yield 16.64 Liters/Second/Square KM. Momentary Peak Yield 44.68 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Taphan Hin , Phichit (N.10A)

Lat 16 - 13 - 00 N Long 100 - 25 - 19 E

**Location : on left bank near Amphoe Taphan Hin Office about 250 meters from Station N.10**

**Ban** Taphan Hin **Amphoe** Taphan Hin **Changwat** Phichit

| | |
|---|---|
| **Drainge Area** | 30,328 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +22.280 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near automatic gage building. **Elevation** +38.423 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1969 to date |
| **Rating Operation** | |
| **Period of Rating** | 1974 - 1979, 1991 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1974 - 1982, 1987, 1991 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by Naresuan Dam.<br>Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

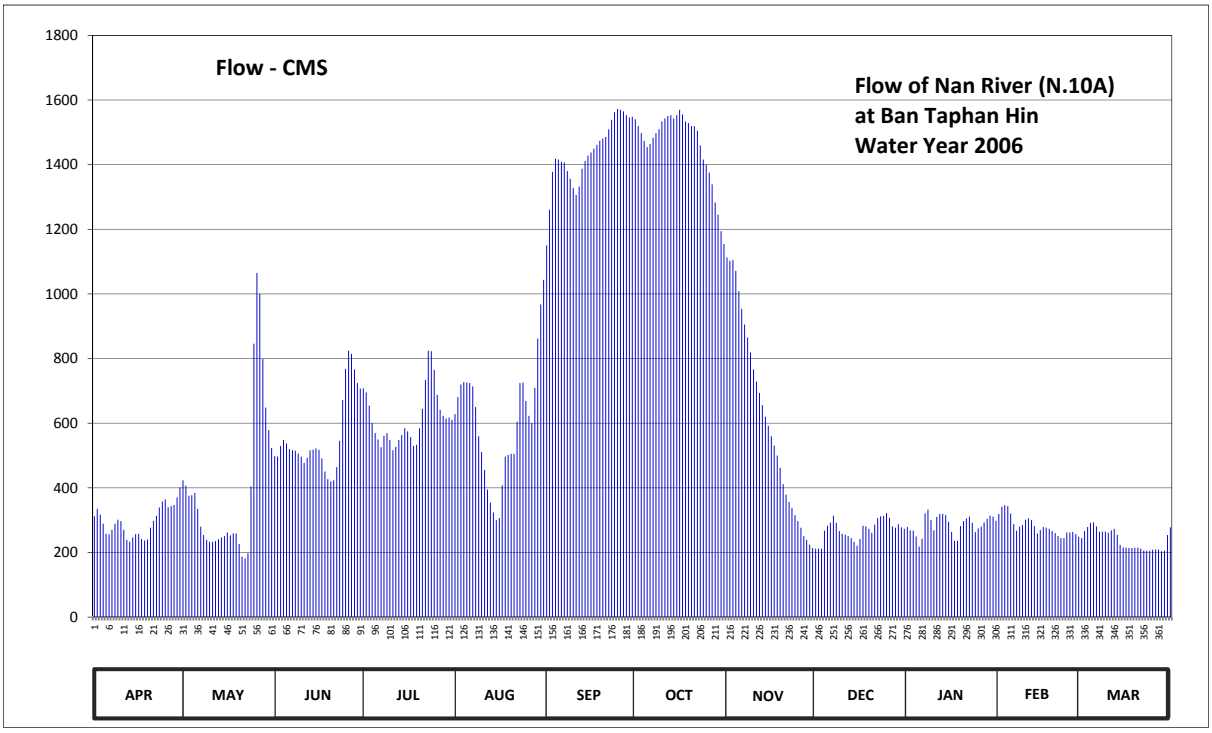
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25.56 | 26.54 | 27.19 | 28.76 | 28.21 | 31.21 | 32.90 | 31.03 | 24.51 | 25.23 | 25.63 | 24.87 | |
| 2 | 25.77 | 26.40 | 27.18 | 28.67 | 28.57 | 31.72 | 32.81 | 30.98 | 24.51 | 25.12 | 25.83 | 25.10 | |
| 3 | 25.61 | 26.13 | 27.46 | 28.39 | 28.84 | 32.22 | 32.72 | 30.99 | 24.51 | 25.11 | 25.87 | 25.23 | |
| 4 | 25.34 | 26.14 | 27.61 | 28.01 | 28.89 | 32.39 | 32.62 | 30.83 | 25.11 | 24.92 | 25.85 | 25.36 | |
| 5 | 25.01 | 26.20 | 27.52 | 27.78 | 28.88 | 32.38 | 32.54 | 30.51 | 25.27 | 24.58 | 25.64 | 25.38 | |
| 6 | 24.99 | 25.77 | 27.38 | 27.62 | 28.87 | 32.35 | 32.58 | 30.23 | 25.37 | 24.85 | 25.32 | 25.25 | |
| 7 | 25.14 | 25.24 | 27.35 | 27.43 | 28.80 | 32.34 | 32.66 | 29.97 | 25.58 | 25.65 | 25.11 | 25.08 | |
| 8 | 25.34 | 24.97 | 27.34 | 27.71 | 28.36 | 32.23 | 32.72 | 29.74 | 25.37 | 25.75 | 25.24 | 25.08 | |
| 9 | 25.46 | 24.81 | 27.26 | 27.78 | 27.70 | 32.13 | 32.77 | 29.47 | 25.10 | 25.45 | 25.29 | 25.08 | |
| 10 | 25.42 | 24.74 | 27.18 | 27.61 | 27.30 | 32.01 | 32.87 | 29.14 | 25.01 | 25.12 | 25.46 | 25.04 | |
| 11 | 25.14 | 24.74 | 27.01 | 27.35 | 26.82 | 31.92 | 32.91 | 28.90 | 24.98 | 25.54 | 25.50 | 25.12 | |
| 12 | 24.81 | 24.77 | 27.15 | 27.44 | 26.29 | 32.03 | 32.94 | 28.66 | 24.94 | 25.63 | 25.45 | 25.17 | |
| 13 | 24.75 | 24.83 | 27.35 | 27.61 | 25.94 | 32.26 | 32.95 | 28.40 | 24.87 | 25.63 | 25.26 | 24.98 | |
| 14 | 24.89 | 24.89 | 27.37 | 27.73 | 25.67 | 32.36 | 32.91 | 28.15 | 24.74 | 25.60 | 25.02 | 24.64 | |
| 15 | 25.00 | 24.93 | 27.40 | 27.89 | 25.45 | 32.43 | 32.95 | 27.95 | 24.61 | 25.40 | 25.13 | 24.55 | |
| 16 | 25.01 | 25.05 | 27.36 | 27.82 | 25.51 | 32.47 | 33.02 | 27.70 | 24.84 | 25.07 | 25.23 | 24.54 | |
| 17 | 24.84 | 24.96 | 27.13 | 27.68 | 26.41 | 32.52 | 32.96 | 27.47 | 25.27 | 24.78 | 25.21 | 24.53 | |
| 18 | 24.79 | 25.02 | 26.78 | 27.46 | 27.18 | 32.57 | 32.87 | 27.21 | 25.25 | 24.78 | 25.17 | 24.53 | |
| 19 | 24.82 | 25.02 | 26.57 | 27.49 | 27.22 | 32.62 | 32.85 | 26.88 | 25.17 | 25.26 | 25.10 | 24.54 | |
| 20 | 25.21 | 24.67 | 26.51 | 27.89 | 27.25 | 32.65 | 32.81 | 26.44 | 25.04 | 25.42 | 25.03 | 24.54 | |
| 21 | 25.43 | 24.22 | 26.54 | 28.32 | 27.25 | 32.67 | 32.81 | 26.16 | 25.30 | 25.50 | 24.94 | 24.51 | |
| 22 | 25.58 | 24.16 | 26.90 | 28.93 | 28.04 | 32.77 | 32.75 | 25.96 | 25.51 | 25.55 | 24.87 | 24.45 | |
| 23 | 25.81 | 24.35 | 27.59 | 29.50 | 28.87 | 32.89 | 32.56 | 25.80 | 25.56 | 25.37 | 24.87 | 24.44 | |
| 24 | 25.97 | 26.38 | 28.51 | 29.49 | 28.88 | 32.99 | 32.38 | 25.60 | 25.57 | 25.06 | 25.05 | 24.44 | |
| 25 | 26.03 | 29.63 | 29.15 | 29.13 | 28.49 | 33.03 | 32.31 | 25.42 | 25.65 | 25.18 | 25.05 | 24.47 | |
| 26 | 25.82 | 30.80 | 29.50 | 28.62 | 28.17 | 33.02 | 32.21 | 25.21 | 25.52 | 25.24 | 25.07 | 24.48 | |
| 27 | 25.85 | 30.47 | 29.44 | 28.30 | 28.01 | 33.00 | 32.06 | 24.93 | 25.25 | 25.38 | 25.00 | 24.47 | |
| 28 | 25.88 | 29.34 | 29.14 | 28.17 | 28.77 | 32.95 | 31.82 | 24.81 | 25.21 | 25.49 | 24.91 | 24.42 | |
| 29 | 26.08 | 28.35 | 28.87 | 28.11 | 29.72 | 32.92 | 31.65 | 24.65 | 25.32 | 25.58 | | 24.44 | |
| 30 | 26.35 | 27.85 | 28.75 | 28.13 | 30.30 | 32.93 | 31.42 | 24.53 | 25.22 | 25.55 | | 24.97 | |
| 31 | | 27.41 | | 28.08 | 30.69 | | 31.23 | | 25.17 | 25.43 | | 25.22 | |
| Mean | 25.39 | 26.09 | 27.62 | 28.09 | 27.91 | 32.47 | 32.57 | 27.79 | 25.14 | 25.30 | 25.25 | 24.80 | |
| Max | 26.35 | 30.80 | 29.50 | 29.50 | 30.69 | 33.03 | 33.02 | 31.03 | 25.65 | 25.75 | 25.87 | 25.38 | 33.03 |
| Min | 24.75 | 24.16 | 26.51 | 27.35 | 25.45 | 31.21 | 31.23 | 24.53 | 24.51 | 24.58 | 24.87 | 24.42 | 24.16 |

Annual Max Momentary Gage Height 33.03 m. (MSL.) , at 03.00 Hours , on Sep 25, 2006

Zero Gage at Bottom Elevation 22.28 m. (MSL.) , River Bed 18.06 m. (MSL.)

Left Bank Elevation 33.15 m. (MSL.) ,

Right Bank Elevation 33.14 m. (MSL.) , Drainage Are 30,328 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 311.80 | 423.10 | 497.85 | 708.20 | 628.45 | 1150.42 | 1541.00 | 1112.92 | 211.90 | 278.85 | 319.30 | 244.65 | | |
| 2 | 334.70 | 407.00 | 496.70 | 695.15 | 680.65 | 1260.40 | 1519.40 | 1102.50 | 211.90 | 268.40 | 341.45 | 266.50 | | |
| 3 | 317.10 | 375.95 | 529.50 | 654.55 | 720.00 | 1377.80 | 1497.80 | 1104.58 | 211.90 | 267.45 | 346.05 | 278.85 | | |
| 4 | 289.30 | 377.10 | 548.25 | 600.40 | 727.50 | 1418.60 | 1473.80 | 1071.25 | 267.45 | 249.40 | 343.75 | 291.20 | | |
| 5 | 257.95 | 384.00 | 537.00 | 569.50 | 726.00 | 1416.20 | 1454.60 | 1008.45 | 282.65 | 218.20 | 320.40 | 293.10 | | |
| 6 | 256.05 | 334.70 | 519.70 | 549.50 | 724.50 | 1409.00 | 1464.20 | 953.85 | 292.15 | 242.75 | 287.40 | 280.75 | | |
| 7 | 270.30 | 279.80 | 516.25 | 525.75 | 714.00 | 1406.60 | 1483.40 | 905.60 | 313.90 | 321.50 | 267.45 | 264.60 | | |
| 8 | 289.30 | 254.15 | 515.10 | 560.75 | 650.20 | 1380.20 | 1497.80 | 864.80 | 292.15 | 332.50 | 279.80 | 264.60 | | |
| 9 | 301.30 | 238.95 | 505.90 | 569.50 | 559.50 | 1356.20 | 1509.80 | 819.55 | 266.50 | 300.25 | 284.55 | 264.60 | | |
| 10 | 297.10 | 232.60 | 496.70 | 548.25 | 510.50 | 1327.40 | 1533.80 | 766.40 | 257.95 | 268.40 | 301.30 | 260.80 | | |
| 11 | 270.30 | 232.60 | 477.15 | 516.25 | 455.30 | 1306.20 | 1543.40 | 729.00 | 255.10 | 309.70 | 305.50 | 268.40 | | |
| 12 | 238.95 | 235.30 | 493.25 | 527.00 | 394.35 | 1332.20 | 1550.60 | 693.70 | 251.30 | 319.30 | 300.25 | 273.15 | | |
| 13 | 233.50 | 240.85 | 516.25 | 548.25 | 354.10 | 1387.40 | 1553.00 | 656.00 | 244.65 | 319.30 | 281.70 | 255.10 | | |
| 14 | 246.55 | 246.55 | 518.55 | 563.25 | 323.70 | 1411.40 | 1543.40 | 620.00 | 232.60 | 316.00 | 258.90 | 223.60 | | |
| 15 | 257.00 | 250.35 | 522.00 | 584.15 | 300.25 | 1428.20 | 1553.00 | 592.25 | 220.90 | 295.00 | 269.35 | 215.50 | | |
| 16 | 257.95 | 261.75 | 517.40 | 574.70 | 306.55 | 1437.80 | 1570.00 | 559.50 | 241.80 | 263.65 | 278.85 | 214.60 | | |
| 17 | 241.80 | 253.20 | 490.95 | 557.00 | 408.15 | 1449.80 | 1555.40 | 530.75 | 282.65 | 236.20 | 276.95 | 213.70 | | |
| 18 | 237.10 | 258.90 | 450.70 | 529.50 | 496.70 | 1461.80 | 1533.80 | 500.15 | 280.75 | 236.20 | 273.15 | 213.70 | | |
| 19 | 239.90 | 258.90 | 426.55 | 533.25 | 501.30 | 1473.80 | 1529.00 | 462.20 | 273.15 | 281.70 | 266.50 | 214.60 | | |
| 20 | 276.95 | 226.30 | 419.65 | 584.15 | 504.75 | 1481.00 | 1519.40 | 411.60 | 260.80 | 297.10 | 259.85 | 214.60 | | |
| 21 | 298.15 | 186.70 | 423.10 | 644.40 | 504.75 | 1485.80 | 1519.40 | 379.40 | 285.50 | 305.50 | 251.30 | 211.90 | | |
| 22 | 313.90 | 181.60 | 464.50 | 733.50 | 604.60 | 1509.80 | 1505.00 | 356.40 | 306.55 | 310.75 | 244.65 | 206.50 | | |
| 23 | 339.15 | 197.75 | 545.75 | 824.50 | 724.50 | 1538.60 | 1459.40 | 338.00 | 311.80 | 292.15 | 244.65 | 205.60 | | |
| 24 | 357.55 | 404.70 | 671.95 | 822.85 | 726.00 | 1562.60 | 1416.20 | 316.00 | 312.85 | 262.70 | 261.75 | 205.60 | | |
| 25 | 364.45 | 846.10 | 768.00 | 764.80 | 669.05 | 1572.50 | 1399.40 | 297.10 | 321.50 | 274.10 | 261.75 | 208.30 | | |
| 26 | 340.30 | 1065.00 | 824.50 | 687.90 | 622.80 | 1570.00 | 1375.40 | 276.95 | 307.60 | 279.80 | 263.65 | 209.20 | | |
| 27 | 343.75 | 1000.65 | 814.60 | 641.50 | 600.40 | 1565.00 | 1339.40 | 250.35 | 280.75 | 293.10 | 257.00 | 208.30 | | |
| 28 | 347.20 | 798.40 | 766.40 | 622.80 | 709.65 | 1553.00 | 1282.70 | 238.95 | 276.95 | 304.45 | 248.45 | 203.80 | | |
| 29 | 370.20 | 648.75 | 724.50 | 614.40 | 861.40 | 1545.80 | 1245.00 | 224.50 | 287.40 | 313.90 | | 205.60 | | |
| 30 | 401.25 | 578.75 | 706.75 | 617.20 | 967.50 | 1548.20 | 1194.40 | 213.70 | 277.90 | 310.75 | | 254.15 | | |
| 31 | | 523.25 | | 610.20 | 1043.55 | | 1154.58 | | 273.15 | 298.15 | | 277.90 | | |
| Total | 8900.80 | 12203.70 | 16705.45 | 19083.10 | 18720.65 | 43123.72 | 45317.48 | 18356.40 | 8394.10 | 8867.20 | 7895.65 | 7413.45 | 214981.70 | CMSDAY |
| Mean | 296.69 | 393.67 | 556.85 | 615.58 | 603.89 | 1437.46 | 1461.85 | 611.88 | 270.78 | 286.04 | 281.99 | 239.14 | 588.99 | CMS |
| Max | 401.25 | 1065.00 | 824.50 | 824.50 | 1043.55 | 1572.50 | 1570.00 | 1112.92 | 321.50 | 332.50 | 346.05 | 293.10 | 1572.50 | CMS |
| Min | 233.50 | 181.60 | 419.65 | 516.25 | 300.25 | 1150.42 | 1154.58 | 213.70 | 211.90 | 218.20 | 244.65 | 203.80 | 181.60 | CMS |
| Runoff | 769.03 | 1054.40 | 1443.35 | 1648.78 | 1617.46 | 3725.89 | 3915.43 | 1585.99 | 725.25 | 766.13 | 682.18 | 640.52 | 18574.42 | MCM |

Momentary Peak 1572.50 CMS. at 33.03 m. (MSL.) at 03.00 Hours , on Sep 25, 2006

Runoff Yield 19.14 Liters/Second/Square KM. Momentary Peak Yield 51.11 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Hat Phai , Uttaradit (N.12A)

Lat 17 - 44 - 11 N Long 100 - 32 - 27 E

**Location : on right bank about 4 kilometers downstream, Sirikit Dam Site, along Phasom - Silot road.**

**Ban** Hat Phai **Amphoe** Tha Pla **Changwat** Uttaradit

| | |
|---|---|
| **Drainge Area** | 15,579 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +69.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank in front of gage observer's house. **Elevation** +81.000 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1966 to date |
| **Rating Operation** | |
| **Period of Rating** | 1966 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1966 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow regulated by Sirikit Dam reservoir about 6 kilometers above gage site. Stage-discharge relation defined by 29 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

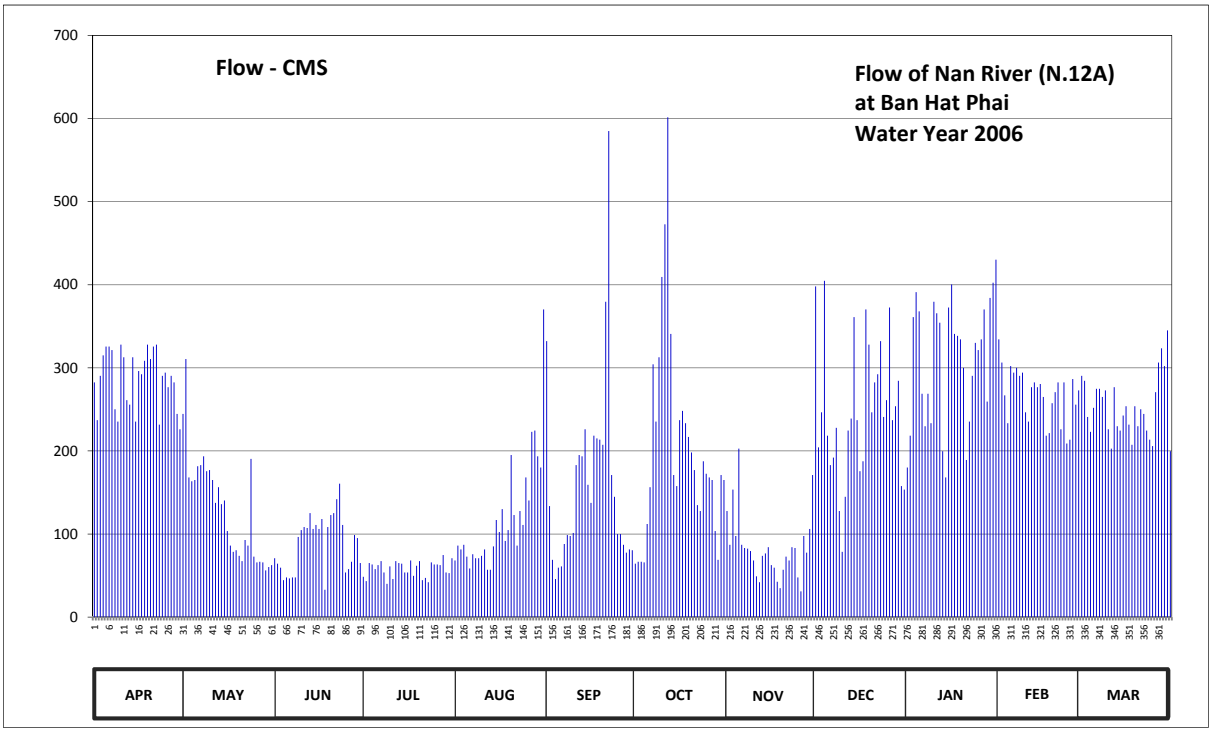
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72.30 | 72.10 | 70.82 | 70.53 | 70.79 | 72.54 | 70.74 | 71.33 | 72.83 | 71.70 | 72.55 | 72.34 | |
| 2 | 72.06 | 72.44 | 70.74 | 70.45 | 70.98 | 71.38 | 70.77 | 70.99 | 71.86 | 71.95 | 72.42 | 72.31 | |
| 3 | 72.34 | 71.62 | 70.68 | 70.75 | 70.93 | 70.80 | 70.77 | 71.52 | 72.11 | 72.67 | 72.22 | 72.08 | |
| 4 | 72.46 | 71.59 | 70.47 | 70.73 | 70.99 | 70.49 | 70.76 | 71.08 | 72.86 | 72.80 | 72.04 | 71.98 | |
| 5 | 72.51 | 71.60 | 70.52 | 70.66 | 70.84 | 70.68 | 71.20 | 71.85 | 71.95 | 72.70 | 72.40 | 72.14 | |
| 6 | 72.51 | 71.71 | 70.50 | 70.72 | 70.67 | 70.70 | 71.54 | 70.99 | 71.72 | 72.23 | 72.36 | 72.26 | |
| 7 | 72.49 | 71.72 | 70.52 | 70.78 | 70.87 | 71.00 | 72.41 | 70.95 | 71.78 | 72.02 | 72.39 | 72.26 | |
| 8 | 72.13 | 71.79 | 70.52 | 70.61 | 70.82 | 71.09 | 72.05 | 70.94 | 72.01 | 72.23 | 72.34 | 72.21 | |
| 9 | 72.05 | 71.67 | 71.07 | 70.40 | 70.82 | 71.08 | 72.45 | 70.91 | 71.33 | 72.04 | 72.36 | 72.25 | |
| 10 | 72.52 | 71.68 | 71.14 | 70.70 | 70.85 | 71.11 | 72.88 | 70.79 | 70.90 | 72.75 | 72.11 | 72.00 | |
| 11 | 72.45 | 71.60 | 71.17 | 70.49 | 70.93 | 71.72 | 73.14 | 70.54 | 71.46 | 72.69 | 72.05 | 71.85 | |
| 12 | 72.19 | 71.41 | 71.16 | 70.78 | 70.65 | 71.80 | 73.62 | 70.43 | 71.99 | 72.64 | 72.27 | 72.27 | |
| 13 | 72.16 | 71.54 | 71.31 | 70.75 | 70.65 | 71.79 | 72.58 | 70.85 | 72.07 | 71.83 | 72.30 | 72.02 | |
| 14 | 72.45 | 71.40 | 71.15 | 70.74 | 70.97 | 72.00 | 71.64 | 70.88 | 72.67 | 71.62 | 72.27 | 71.99 | |
| 15 | 72.05 | 71.43 | 71.19 | 70.61 | 71.24 | 71.56 | 71.55 | 70.96 | 72.06 | 72.72 | 72.29 | 72.09 | |
| 16 | 72.37 | 71.13 | 71.15 | 70.61 | 71.12 | 71.41 | 72.06 | 70.72 | 71.67 | 72.84 | 72.21 | 72.15 | |
| 17 | 72.35 | 70.98 | 71.25 | 70.79 | 71.35 | 71.95 | 72.12 | 70.68 | 71.75 | 72.58 | 71.95 | 72.03 | |
| 18 | 72.43 | 70.90 | 70.29 | 70.55 | 71.03 | 71.93 | 72.04 | 70.44 | 72.71 | 72.57 | 71.97 | 71.88 | |
| 19 | 72.52 | 70.92 | 71.17 | 70.71 | 71.14 | 71.92 | 71.94 | 70.32 | 72.52 | 72.55 | 72.17 | 72.15 | |
| 20 | 72.44 | 70.85 | 71.29 | 70.78 | 71.80 | 71.88 | 71.82 | 70.65 | 72.11 | 72.39 | 72.24 | 72.02 | |
| 21 | 72.51 | 70.78 | 71.31 | 70.47 | 71.29 | 72.75 | 71.68 | 70.84 | 72.30 | 71.76 | 72.30 | 72.13 | |
| 22 | 72.52 | 71.04 | 71.44 | 70.51 | 70.98 | 73.56 | 71.39 | 70.79 | 72.35 | 72.05 | 72.00 | 72.10 | |
| 23 | 72.03 | 70.98 | 71.57 | 70.43 | 71.33 | 71.64 | 71.33 | 70.96 | 72.54 | 72.34 | 72.30 | 71.99 | |
| 24 | 72.34 | 71.77 | 71.19 | 70.76 | 71.19 | 71.46 | 71.75 | 70.95 | 72.08 | 72.53 | 71.89 | 71.92 | |
| 25 | 72.36 | 70.84 | 70.61 | 70.73 | 71.62 | 71.10 | 71.65 | 70.52 | 72.19 | 72.49 | 71.92 | 71.87 | |
| 26 | 72.27 | 70.76 | 70.66 | 70.73 | 71.43 | 71.10 | 71.62 | 70.26 | 72.72 | 72.55 | 72.32 | 72.24 | |
| 27 | 72.34 | 70.77 | 70.77 | 70.72 | 71.98 | 70.99 | 71.60 | 71.08 | 72.06 | 72.71 | 72.16 | 72.42 | |
| 28 | 72.30 | 70.76 | 71.09 | 70.86 | 71.99 | 70.89 | 71.13 | 70.89 | 72.15 | 72.18 | 72.25 | 72.50 | |
| 29 | 72.10 | 70.64 | 71.06 | 70.61 | 71.79 | 70.93 | 70.80 | 71.15 | 72.31 | 72.77 | | 72.40 | |
| 30 | 72.00 | 70.69 | 70.75 | 70.60 | 71.70 | 70.92 | 71.64 | 71.64 | 71.55 | 72.85 | | 72.60 | |
| 31 | | 70.72 | | 70.82 | 72.71 | | 71.60 | | 71.52 | 72.97 | | 71.83 | |
| Mean | 72.32 | 71.28 | 70.95 | 70.66 | 71.21 | 71.47 | 71.75 | 70.90 | 72.07 | 72.41 | 72.22 | 72.14 | |
| Max | 72.52 | 72.44 | 71.57 | 70.86 | 72.71 | 73.56 | 73.62 | 71.85 | 72.86 | 72.97 | 72.55 | 72.60 | 73.62 |
| Min | 72.00 | 70.64 | 70.29 | 70.40 | 70.65 | 70.49 | 70.74 | 70.26 | 70.90 | 71.62 | 71.89 | 71.83 | 70.26 |

Annual Max Momentary Gage Height 74.98 m. (MSL.) , at 12.00 Hours , on Sep 22, 2006

Zero Gage at Bottom Elevation 69.00 m. (MSL.) , River Bed 67.73 m. (MSL.)

Left Bank Elevation 82.24 m. (MSL.) ,

Right Bank Elevation 81.60 m. (MSL.) , Drainage Are 15,579 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 282.50 | 244.50 | 70.90 | 48.45 | 68.20 | 332.10 | 64.20 | 127.60 | 397.90 | 180.00 | 334.25 | 290.30 | | |
| 2 | 237.10 | 310.60 | 64.20 | 43.25 | 86.10 | 133.60 | 66.60 | 87.05 | 204.30 | 218.25 | 306.30 | 284.45 | | |
| 3 | 290.30 | 168.00 | 59.40 | 65.00 | 81.35 | 69.00 | 66.60 | 153.40 | 246.35 | 361.10 | 266.90 | 240.80 | | |
| 4 | 314.90 | 163.55 | 44.55 | 63.40 | 87.05 | 45.85 | 65.80 | 97.60 | 404.80 | 391.00 | 233.40 | 222.90 | | |
| 5 | 325.65 | 165.00 | 47.80 | 57.80 | 72.80 | 59.40 | 112.00 | 202.75 | 218.25 | 368.00 | 302.00 | 251.90 | | |
| 6 | 325.65 | 181.50 | 46.50 | 62.60 | 58.60 | 61.00 | 156.30 | 87.05 | 183.00 | 268.85 | 294.20 | 274.70 | | |
| 7 | 321.35 | 183.00 | 47.80 | 67.40 | 75.65 | 88.00 | 304.15 | 83.25 | 192.00 | 229.70 | 300.05 | 274.70 | | |
| 8 | 250.05 | 193.50 | 47.80 | 53.80 | 70.90 | 98.80 | 235.25 | 82.30 | 227.85 | 268.85 | 290.30 | 264.95 | | |
| 9 | 235.25 | 175.50 | 96.40 | 40.00 | 70.90 | 97.60 | 312.75 | 79.45 | 127.60 | 233.40 | 294.20 | 272.75 | | |
| 10 | 327.80 | 177.00 | 104.80 | 61.00 | 73.75 | 101.20 | 409.40 | 68.20 | 78.50 | 379.50 | 246.35 | 226.00 | | |
| 11 | 312.75 | 165.00 | 108.40 | 45.85 | 81.35 | 183.00 | 472.70 | 49.10 | 144.70 | 365.70 | 235.25 | 202.75 | | |
| 12 | 261.15 | 137.45 | 107.20 | 67.40 | 57.00 | 195.00 | 601.50 | 41.95 | 224.45 | 354.20 | 276.65 | 276.65 | | |
| 13 | 255.60 | 156.30 | 125.20 | 65.00 | 57.00 | 193.50 | 340.70 | 73.75 | 238.95 | 199.65 | 282.50 | 229.70 | | |
| 14 | 312.75 | 136.00 | 106.00 | 64.20 | 85.15 | 226.00 | 171.00 | 76.60 | 361.10 | 168.00 | 276.65 | 224.45 | | |
| 15 | 235.25 | 140.35 | 110.80 | 53.80 | 116.80 | 159.20 | 157.75 | 84.20 | 237.10 | 372.60 | 280.55 | 242.65 | | |
| 16 | 296.15 | 103.60 | 106.00 | 53.80 | 102.40 | 137.45 | 237.10 | 62.60 | 175.50 | 400.20 | 264.95 | 253.75 | | |
| 17 | 292.25 | 86.10 | 118.00 | 68.20 | 130.00 | 218.25 | 248.20 | 59.40 | 187.50 | 340.70 | 218.25 | 231.55 | | |
| 18 | 308.45 | 78.50 | 32.85 | 49.75 | 91.60 | 215.15 | 233.40 | 42.60 | 370.30 | 338.55 | 221.35 | 207.40 | | |
| 19 | 327.80 | 80.40 | 108.40 | 61.80 | 104.80 | 213.60 | 216.70 | 34.80 | 327.80 | 334.25 | 257.45 | 253.75 | | |
| 20 | 310.60 | 73.75 | 122.80 | 67.40 | 195.00 | 207.40 | 198.10 | 57.00 | 246.35 | 300.05 | 270.80 | 229.70 | | |
| 21 | 325.65 | 67.40 | 125.20 | 44.55 | 122.80 | 379.50 | 177.00 | 72.80 | 282.50 | 189.00 | 282.50 | 250.05 | | |
| 22 | 327.80 | 92.80 | 141.80 | 47.15 | 86.10 | 585.00 | 134.80 | 68.20 | 292.25 | 235.25 | 226.00 | 244.50 | | |
| 23 | 231.55 | 86.10 | 160.65 | 41.95 | 127.60 | 171.00 | 127.60 | 84.20 | 332.10 | 290.30 | 282.50 | 224.45 | | |
| 24 | 290.30 | 190.50 | 110.80 | 65.80 | 110.80 | 144.70 | 187.50 | 83.25 | 240.80 | 329.95 | 208.95 | 213.60 | | |
| 25 | 294.20 | 72.80 | 53.80 | 63.40 | 168.00 | 100.00 | 172.50 | 47.80 | 261.15 | 321.35 | 213.60 | 205.85 | | |
| 26 | 276.65 | 65.80 | 57.80 | 63.40 | 140.35 | 100.00 | 168.00 | 30.90 | 372.60 | 334.25 | 286.40 | 270.80 | | |
| 27 | 290.30 | 66.60 | 66.60 | 62.60 | 222.90 | 87.05 | 165.00 | 97.60 | 237.10 | 370.30 | 255.60 | 306.30 | | |
| 28 | 282.50 | 65.80 | 98.80 | 74.70 | 224.45 | 77.55 | 103.60 | 77.55 | 253.75 | 259.30 | 272.75 | 323.50 | | |
| 29 | 244.50 | 56.20 | 95.20 | 53.80 | 193.50 | 81.35 | 69.00 | 106.00 | 284.45 | 384.10 | | 302.00 | | |
| 30 | 226.00 | 60.20 | 65.00 | 53.00 | 180.00 | 80.40 | 171.00 | 171.00 | 157.75 | 402.50 | | 345.00 | | |
| 31 | | 62.60 | | 70.90 | 370.30 | | 165.00 | | 153.40 | 430.10 | | 199.65 | | |
| Total | 8612.75 | 4006.40 | 2651.45 | 1801.15 | 3713.20 | 4841.65 | 6311.20 | 2489.95 | 7662.15 | 9618.95 | 7480.65 | 7841.50 | 67031.00 | CMSDAY |
| Mean | 287.09 | 129.24 | 88.38 | 58.10 | 119.78 | 161.39 | 203.59 | 83.00 | 247.17 | 310.29 | 267.17 | 252.95 | 183.65 | CMS |
| Max | 327.80 | 310.60 | 160.65 | 74.70 | 370.30 | 585.00 | 601.50 | 202.75 | 404.80 | 430.10 | 334.25 | 345.00 | 601.50 | CMS |
| Min | 226.00 | 56.20 | 32.85 | 40.00 | 57.00 | 45.85 | 64.20 | 30.90 | 78.50 | 168.00 | 208.95 | 199.65 | 30.90 | CMS |
| Runoff | 744.14 | 346.15 | 229.09 | 155.62 | 320.82 | 418.32 | 545.29 | 215.13 | 662.01 | 831.08 | 646.33 | 677.51 | 5791.48 | MCM |

Momentary Peak 1013.60 CMS. at 74.98 m. (MSL.) at 12.00 Hours , on Sep 22, 2006

Runoff Yield 11.79 Liters/Second/Square KM. Momentary Peak Yield 65.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Bun Nak , Nan (N.13A)

Lat 18 - 33 - 12 N Long 100 - 46 - 03 E

**Location : on right bank about 2 kilometers upstream from Station N.13**

| | | | |
|---|---|---|---|
| | **Ban** Bun Nak | **Amphoe** Wiang Sa | **Changwat** Nan |
| **Drainge Area** | 8,706 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +177.400 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the abutment of the bridge. | | **Elevation** +192.690 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1987 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1987 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1987 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 112 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

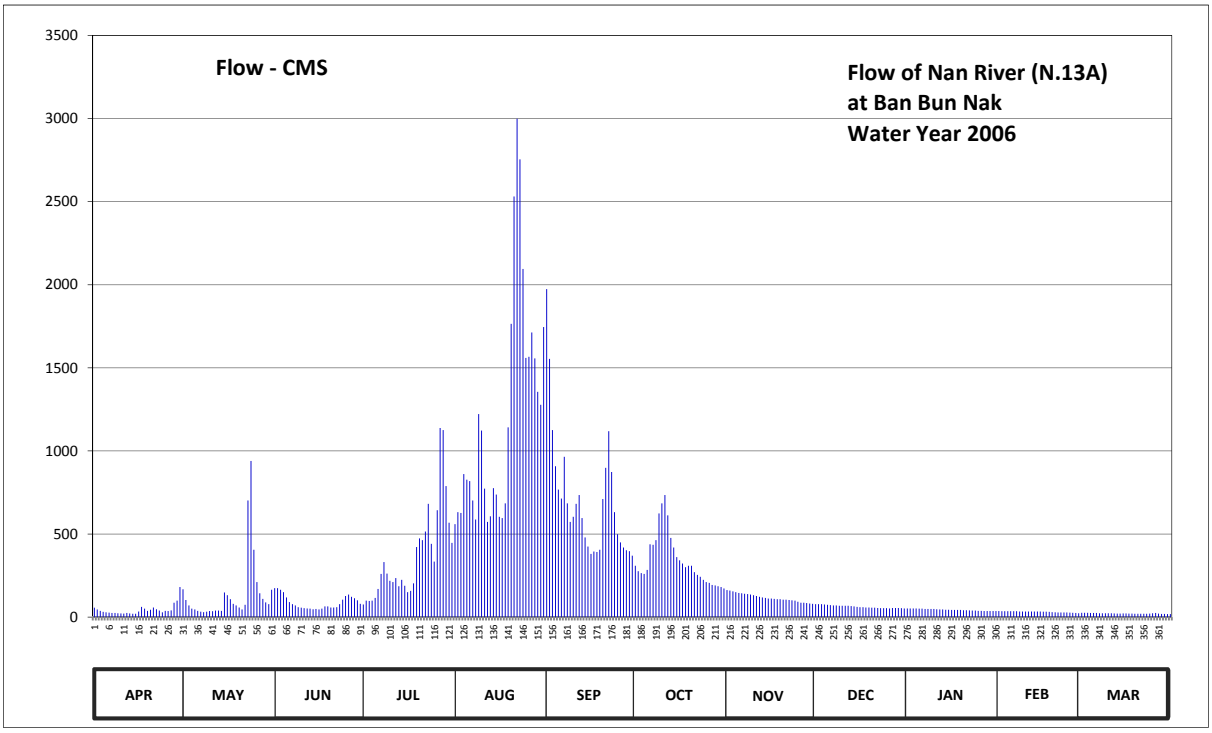
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 178.19 | 178.70 | 178.73 | 178.29 | 180.15 | 184.63 | 179.24 | 178.68 | 178.30 | 178.16 | 178.05 | 177.96 | |
| 2 | 178.12 | 178.42 | 178.73 | 178.40 | 180.41 | 183.34 | 179.12 | 178.67 | 178.30 | 178.16 | 178.04 | 177.96 | |
| 3 | 178.06 | 178.26 | 178.69 | 178.39 | 180.39 | 182.02 | 179.08 | 178.65 | 178.30 | 178.16 | 178.04 | 177.96 | |
| 4 | 178.01 | 178.15 | 178.63 | 178.40 | 181.18 | 181.33 | 179.06 | 178.63 | 178.29 | 178.16 | 178.04 | 177.95 | |
| 5 | 177.99 | 178.12 | 178.49 | 178.48 | 181.07 | 180.87 | 179.15 | 178.61 | 178.28 | 178.15 | 178.04 | 177.95 | |
| 6 | 177.97 | 178.06 | 178.36 | 178.71 | 181.04 | 180.69 | 179.71 | 178.60 | 178.27 | 178.15 | 178.04 | 177.95 | |
| 7 | 177.95 | 178.02 | 178.30 | 179.06 | 180.65 | 181.51 | 179.70 | 178.59 | 178.26 | 178.14 | 178.04 | 177.94 | |
| 8 | 177.95 | 178.00 | 178.26 | 179.32 | 180.25 | 180.59 | 179.80 | 178.58 | 178.26 | 178.14 | 178.03 | 177.94 | |
| 9 | 177.94 | 178.02 | 178.21 | 179.07 | 182.32 | 180.20 | 180.38 | 178.57 | 178.25 | 178.14 | 178.03 | 177.94 | |
| 10 | 177.93 | 178.05 | 178.19 | 178.91 | 182.01 | 180.31 | 180.59 | 178.55 | 178.25 | 178.14 | 178.03 | 177.94 | |
| 11 | 177.92 | 178.04 | 178.17 | 178.88 | 180.89 | 180.58 | 180.76 | 178.53 | 178.25 | 178.13 | 178.03 | 177.94 | |
| 12 | 177.95 | 178.07 | 178.16 | 178.97 | 180.20 | 180.76 | 180.34 | 178.51 | 178.25 | 178.12 | 178.03 | 177.93 | |
| 13 | 177.93 | 178.07 | 178.15 | 178.78 | 180.32 | 180.28 | 179.85 | 178.49 | 178.24 | 178.12 | 178.03 | 177.92 | |
| 14 | 177.91 | 178.06 | 178.13 | 178.93 | 180.90 | 179.86 | 179.64 | 178.48 | 178.23 | 178.11 | 178.03 | 177.92 | |
| 15 | 177.91 | 178.62 | 178.14 | 178.79 | 180.77 | 179.66 | 179.43 | 178.46 | 178.22 | 178.11 | 178.03 | 177.93 | |
| 16 | 178.03 | 178.55 | 178.12 | 178.63 | 180.31 | 179.50 | 179.36 | 178.46 | 178.21 | 178.10 | 178.02 | 177.93 | |
| 17 | 178.22 | 178.44 | 178.15 | 178.66 | 180.28 | 179.55 | 179.29 | 178.45 | 178.21 | 178.10 | 178.02 | 177.92 | |
| 18 | 178.15 | 178.31 | 178.23 | 178.85 | 180.59 | 179.54 | 179.21 | 178.44 | 178.20 | 178.10 | 178.01 | 177.92 | |
| 19 | 178.06 | 178.26 | 178.23 | 179.65 | 182.07 | 179.59 | 179.24 | 178.44 | 178.20 | 178.10 | 178.00 | 177.91 | |
| 20 | 178.11 | 178.20 | 178.20 | 179.84 | 183.99 | 180.68 | 179.24 | 178.43 | 178.19 | 178.09 | 177.99 | 177.91 | |
| 21 | 178.20 | 178.12 | 178.20 | 179.80 | 186.23 | 181.30 | 179.10 | 178.43 | 178.19 | 178.09 | 177.98 | 177.91 | |
| 22 | 178.13 | 178.28 | 178.21 | 179.99 | 187.55 | 182.00 | 179.04 | 178.42 | 178.18 | 178.08 | 177.98 | 177.91 | |
| 23 | 178.07 | 180.65 | 178.30 | 180.58 | 186.86 | 181.22 | 179.00 | 178.41 | 178.17 | 178.07 | 177.98 | 177.91 | |
| 24 | 177.99 | 181.43 | 178.43 | 179.72 | 184.99 | 180.41 | 178.93 | 178.40 | 178.17 | 178.07 | 177.98 | 177.92 | |
| 25 | 178.06 | 179.59 | 178.53 | 179.33 | 183.36 | 179.93 | 178.88 | 178.37 | 178.17 | 178.06 | 177.97 | 177.94 | |
| 26 | 178.05 | 178.88 | 178.57 | 180.45 | 183.38 | 179.75 | 178.86 | 178.34 | 178.16 | 178.06 | 177.96 | 177.95 | |
| 27 | 178.08 | 178.60 | 178.51 | 182.06 | 183.83 | 179.64 | 178.81 | 178.34 | 178.18 | 178.05 | 177.95 | 177.92 | |
| 28 | 178.34 | 178.45 | 178.47 | 182.02 | 183.35 | 179.58 | 178.80 | 178.33 | 178.18 | 178.05 | 177.94 | 177.90 | |
| 29 | 178.40 | 178.35 | 178.41 | 180.94 | 182.73 | 179.56 | 178.78 | 178.32 | 178.18 | 178.05 | | 177.90 | |
| 30 | 178.76 | 178.30 | 178.31 | 180.18 | 182.49 | 179.46 | 178.76 | 178.31 | 178.17 | 178.05 | | 177.89 | |
| 31 | | 178.69 | | 179.74 | 183.93 | | 178.72 | | 178.16 | 178.05 | | 177.89 | |
| Mean | 178.08 | 178.51 | 178.34 | 179.41 | 182.21 | 180.61 | 179.35 | 178.48 | 178.22 | 178.11 | 178.01 | 177.93 | |
| Max | 178.76 | 181.43 | 178.73 | 182.06 | 187.55 | 184.63 | 180.76 | 178.68 | 178.30 | 178.16 | 178.05 | 177.96 | 187.55 |
| Min | 177.91 | 178.00 | 178.12 | 178.29 | 180.15 | 179.46 | 178.72 | 178.31 | 178.16 | 178.05 | 177.94 | 177.89 | 177.89 |

Annual Max Momentary Gage Height 187.65 m. (MSL.) , at 12.00 Hours , on Aug 22, 2006

Zero Gage at Bottom Elevation 177.40 m. (MSL.) , River Bed 175.09 m. (MSL.)

Left Bank Elevation 190.55 m. (MSL.) ,

Right Bank Elevation 192.54 m. (MSL.) , Drainage Are 8,706 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 56.50 | 167.00 | 174.20 | 76.00 | 559.25 | 1973.90 | 309.00 | 162.20 | 78.00 | 52.00 | 36.50 | 25.60 | | |
| 2 | 46.00 | 103.20 | 174.20 | 99.00 | 631.90 | 1553.50 | 276.00 | 159.80 | 78.00 | 52.00 | 35.20 | 25.60 | | |
| 3 | 37.80 | 70.00 | 164.60 | 96.90 | 626.20 | 1125.40 | 265.00 | 155.00 | 78.00 | 52.00 | 35.20 | 25.60 | | |
| 4 | 31.30 | 50.50 | 150.20 | 99.00 | 860.90 | 907.95 | 259.50 | 150.20 | 76.00 | 52.00 | 35.20 | 24.50 | | |
| 5 | 28.90 | 46.00 | 117.90 | 115.80 | 827.35 | 767.00 | 284.25 | 145.40 | 74.00 | 50.50 | 35.20 | 24.50 | | |
| 6 | 26.70 | 37.80 | 90.60 | 169.40 | 818.20 | 713.55 | 438.25 | 143.00 | 72.00 | 50.50 | 35.20 | 24.50 | | |
| 7 | 24.50 | 32.60 | 78.00 | 259.50 | 701.75 | 964.65 | 435.50 | 140.70 | 70.00 | 49.00 | 35.20 | 23.40 | | |
| 8 | 24.50 | 30.00 | 70.00 | 331.00 | 587.00 | 684.10 | 463.00 | 138.40 | 70.00 | 49.00 | 33.90 | 23.40 | | |
| 9 | 23.40 | 32.60 | 60.00 | 262.25 | 1222.00 | 573.00 | 623.40 | 136.10 | 68.00 | 49.00 | 33.90 | 23.40 | | |
| 10 | 22.30 | 36.50 | 56.50 | 218.70 | 1122.20 | 603.80 | 684.10 | 131.50 | 68.00 | 49.00 | 33.90 | 23.40 | | |
| 11 | 21.20 | 35.20 | 53.50 | 211.00 | 773.00 | 681.20 | 734.20 | 126.90 | 68.00 | 47.50 | 33.90 | 23.40 | | |
| 12 | 24.50 | 39.10 | 52.00 | 234.90 | 573.00 | 734.20 | 612.20 | 122.30 | 68.00 | 46.00 | 33.90 | 22.30 | | |
| 13 | 22.30 | 39.10 | 50.50 | 186.20 | 606.60 | 595.40 | 476.75 | 117.90 | 66.00 | 46.00 | 33.90 | 21.20 | | |
| 14 | 20.10 | 37.80 | 47.50 | 224.10 | 776.00 | 479.50 | 419.00 | 115.80 | 64.00 | 44.50 | 33.90 | 21.20 | | |
| 15 | 20.10 | 147.80 | 49.00 | 188.60 | 737.15 | 424.50 | 361.25 | 111.60 | 62.00 | 44.50 | 33.90 | 22.30 | | |
| 16 | 33.90 | 131.50 | 46.00 | 150.20 | 603.80 | 380.50 | 342.00 | 111.60 | 60.00 | 43.00 | 32.60 | 22.30 | | |
| 17 | 62.00 | 107.40 | 50.50 | 157.40 | 595.40 | 394.25 | 322.75 | 109.50 | 60.00 | 43.00 | 32.60 | 21.20 | | |
| 18 | 50.50 | 80.10 | 64.00 | 203.50 | 684.10 | 391.50 | 300.75 | 107.40 | 58.00 | 43.00 | 31.30 | 21.20 | | |
| 19 | 37.80 | 70.00 | 64.00 | 421.75 | 1141.40 | 405.25 | 309.00 | 107.40 | 58.00 | 43.00 | 30.00 | 20.10 | | |
| 20 | 44.50 | 58.00 | 58.00 | 474.00 | 1764.75 | 710.60 | 309.00 | 105.30 | 56.50 | 41.70 | 28.90 | 20.10 | | |
| 21 | 58.00 | 46.00 | 58.00 | 463.00 | 2530.65 | 898.50 | 270.50 | 105.30 | 56.50 | 41.70 | 27.80 | 20.10 | | |
| 22 | 47.50 | 74.00 | 60.00 | 515.25 | 2999.25 | 1119.00 | 254.00 | 103.20 | 55.00 | 40.40 | 27.80 | 20.10 | | |
| 23 | 39.10 | 701.75 | 78.00 | 681.20 | 2754.30 | 873.30 | 243.00 | 101.10 | 53.50 | 39.10 | 27.80 | 20.10 | | |
| 24 | 28.90 | 939.45 | 105.30 | 441.00 | 2094.60 | 631.90 | 224.10 | 99.00 | 53.50 | 39.10 | 27.80 | 21.20 | | |
| 25 | 37.80 | 405.25 | 126.90 | 333.75 | 1560.00 | 498.75 | 211.00 | 92.70 | 53.50 | 37.80 | 26.70 | 23.40 | | |
| 26 | 36.50 | 211.00 | 136.10 | 643.50 | 1566.50 | 449.25 | 206.00 | 86.40 | 52.00 | 37.80 | 25.60 | 24.50 | | |
| 27 | 40.40 | 143.00 | 122.30 | 1138.20 | 1712.75 | 419.00 | 193.50 | 86.40 | 55.00 | 36.50 | 24.50 | 21.20 | | |
| 28 | 86.40 | 109.50 | 113.70 | 1125.40 | 1556.75 | 402.50 | 191.00 | 84.30 | 55.00 | 36.50 | 23.40 | 19.00 | | |
| 29 | 99.00 | 88.50 | 101.10 | 788.00 | 1355.25 | 397.00 | 186.20 | 82.20 | 55.00 | 36.50 | | 19.00 | | |
| 30 | 181.40 | 78.00 | 80.10 | 567.50 | 1277.25 | 369.50 | 181.40 | 80.10 | 53.50 | 36.50 | | 17.95 | | |
| 31 | | 164.60 | | 446.50 | 1745.25 | | 171.80 | | 52.00 | 36.50 | | 17.95 | | |
| Total | 1313.80 | 4313.25 | 2652.70 | 11322.50 | 37364.50 | 21122.45 | 10557.40 | 3518.70 | 1947.00 | 1365.60 | 885.70 | 683.70 | 97047.30 | CMSDAY |
| Mean | 43.79 | 139.14 | 88.42 | 365.24 | 1205.31 | 704.08 | 340.56 | 117.29 | 62.81 | 44.05 | 31.63 | 22.05 | 265.88 | CMS |
| Max | 181.40 | 939.45 | 174.20 | 1138.20 | 2999.25 | 1973.90 | 734.20 | 162.20 | 78.00 | 52.00 | 36.50 | 25.60 | 2999.25 | CMS |
| Min | 20.10 | 30.00 | 46.00 | 76.00 | 559.25 | 369.50 | 171.80 | 80.10 | 52.00 | 36.50 | 23.40 | 17.95 | 17.95 | CMS |
| Runoff | 113.51 | 372.66 | 229.19 | 978.26 | 3228.29 | 1824.98 | 912.16 | 304.02 | 168.22 | 117.99 | 76.52 | 59.07 | 8384.89 | MCM |

Momentary Peak 3034.75 CMS. at 187.65 m. (MSL.) at 12.00 Hours , on Aug 22, 2006

Runoff Yield 30.54 Liters/Second/Square KM. Momentary Peak Yield 348.58 Liters/Second/Square KM.

## WATER YEAR : 2006

## Nan RIVER BASIN

### Nan River at Wat Luang Pho Kaeo , Nakhon Sawan (N.14A)

Lat 15 - 53 - 44 N Long 100 - 18 - 42 E

**Location : on right bank in front of Wat Luang Pho Kaeo about 1 kilometer upstream from Station N.14**

**Ban** Wat Luang Pho Kaeo **Amphoe** Chum Saeng **Changwat** Nakhon Sawan

| | |
|---|---|
| **Drainge Area** | 32,826 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +19.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank in front of automatic gage building. **Elevation** +29.837 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1971 to date |
| **Rating Operation** | |
| **Period of Rating** | 1973 - 1979, 1991 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1972 - 1980, 1991 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow |
| **General Description** | Records fair. Flow effected by Naresuan Dam.<br>Stage-discharge relation defined by 32 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

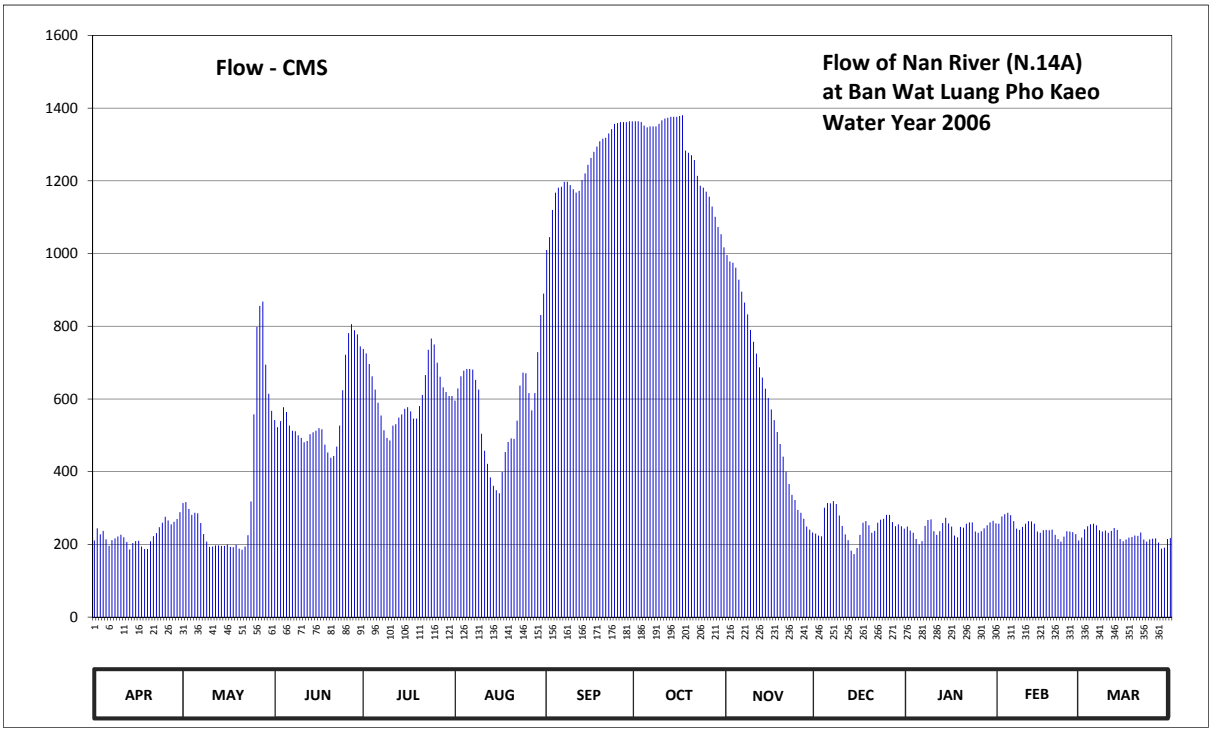
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21.36 | 22.53 | 24.60 | 25.83 | 24.97 | 27.21 | 28.75 | 28.16 | 22.18 | 21.81 | 21.90 | 21.46 | |
| 2 | 21.76 | 22.56 | 24.46 | 25.76 | 25.18 | 27.37 | 28.75 | 28.11 | 21.95 | 21.69 | 22.12 | 21.73 | |
| 3 | 21.57 | 22.35 | 24.58 | 25.59 | 25.39 | 27.71 | 28.74 | 28.10 | 21.78 | 21.62 | 22.19 | 21.82 | |
| 4 | 21.68 | 22.17 | 24.85 | 25.39 | 25.48 | 27.92 | 28.70 | 28.06 | 22.39 | 21.41 | 22.23 | 21.88 | |
| 5 | 21.40 | 22.23 | 24.76 | 25.16 | 25.51 | 27.98 | 28.68 | 27.96 | 22.53 | 21.23 | 22.16 | 21.90 | |
| 6 | 21.18 | 22.22 | 24.49 | 24.93 | 25.51 | 27.99 | 28.69 | 27.85 | 22.52 | 21.34 | 21.98 | 21.85 | |
| 7 | 21.37 | 21.92 | 24.39 | 24.69 | 25.50 | 28.05 | 28.69 | 27.74 | 22.59 | 21.83 | 21.75 | 21.70 | |
| 8 | 21.43 | 21.58 | 24.38 | 24.40 | 25.33 | 28.05 | 28.69 | 27.61 | 22.50 | 22.01 | 21.71 | 21.66 | |
| 9 | 21.50 | 21.32 | 24.30 | 24.25 | 25.16 | 28.01 | 28.72 | 27.44 | 22.15 | 22.03 | 21.80 | 21.69 | |
| 10 | 21.56 | 21.14 | 24.25 | 24.20 | 24.33 | 27.96 | 28.76 | 27.31 | 21.83 | 21.67 | 21.90 | 21.62 | |
| 11 | 21.47 | 21.15 | 24.16 | 24.49 | 23.98 | 27.92 | 28.78 | 27.15 | 21.57 | 21.55 | 21.98 | 21.68 | |
| 12 | 21.31 | 21.19 | 24.19 | 24.52 | 23.67 | 27.94 | 28.79 | 26.96 | 21.37 | 21.67 | 21.97 | 21.77 | |
| 13 | 21.05 | 21.19 | 24.32 | 24.65 | 23.30 | 28.07 | 28.80 | 26.82 | 21.01 | 21.92 | 21.90 | 21.71 | |
| 14 | 21.27 | 21.17 | 24.36 | 24.71 | 23.06 | 28.15 | 28.80 | 26.63 | 20.89 | 22.08 | 21.66 | 21.41 | |
| 15 | 21.34 | 21.17 | 24.39 | 24.82 | 22.92 | 28.25 | 28.80 | 26.46 | 21.10 | 21.91 | 21.62 | 21.33 | |
| 16 | 21.35 | 21.22 | 24.44 | 24.85 | 22.83 | 28.33 | 28.81 | 26.26 | 21.55 | 21.81 | 21.70 | 21.39 | |
| 17 | 21.15 | 21.14 | 24.42 | 24.77 | 23.45 | 28.40 | 28.82 | 26.07 | 21.93 | 21.53 | 21.71 | 21.46 | |
| 18 | 21.07 | 21.13 | 24.11 | 24.63 | 23.95 | 28.46 | 28.79 | 25.86 | 21.98 | 21.47 | 21.70 | 21.48 | |
| 19 | 21.07 | 21.21 | 23.94 | 24.63 | 24.17 | 28.52 | 28.78 | 25.61 | 21.85 | 21.80 | 21.72 | 21.53 | |
| 20 | 21.33 | 21.08 | 23.82 | 24.87 | 24.24 | 28.55 | 28.77 | 25.33 | 21.62 | 21.78 | 21.55 | 21.52 | |
| 21 | 21.51 | 21.04 | 23.86 | 25.07 | 24.23 | 28.56 | 28.75 | 25.00 | 21.68 | 21.90 | 21.41 | 21.63 | |
| 22 | 21.61 | 21.15 | 24.07 | 25.41 | 24.59 | 28.61 | 28.68 | 24.66 | 21.93 | 21.94 | 21.32 | 21.39 | |
| 23 | 21.79 | 21.54 | 24.49 | 25.82 | 25.23 | 28.66 | 28.63 | 24.36 | 22.02 | 21.94 | 21.49 | 21.32 | |
| 24 | 21.93 | 22.58 | 25.15 | 25.99 | 25.45 | 28.72 | 28.62 | 24.22 | 22.05 | 21.66 | 21.67 | 21.40 | |
| 25 | 22.11 | 24.71 | 25.74 | 25.90 | 25.44 | 28.73 | 28.60 | 23.90 | 22.17 | 21.62 | 21.66 | 21.42 | |
| 26 | 22.00 | 26.16 | 26.07 | 25.61 | 25.10 | 28.74 | 28.57 | 23.74 | 22.17 | 21.67 | 21.64 | 21.43 | |
| 27 | 21.88 | 26.46 | 26.20 | 25.38 | 24.79 | 28.74 | 28.51 | 23.41 | 21.95 | 21.76 | 21.58 | 21.29 | |
| 28 | 21.96 | 26.52 | 26.11 | 25.20 | 25.10 | 28.74 | 28.44 | 22.97 | 21.82 | 21.85 | 21.36 | 21.08 | |
| 29 | 22.04 | 25.58 | 26.05 | 25.12 | 25.78 | 28.75 | 28.37 | 22.63 | 21.88 | 21.94 | | 21.11 | |
| 30 | 22.25 | 25.09 | 25.87 | 25.05 | 26.33 | 28.75 | 28.32 | 22.31 | 21.82 | 21.99 | | 21.41 | |
| 31 | | 24.78 | | 25.05 | 26.63 | | 28.22 | | 21.75 | 21.91 | | 21.44 | |
| Mean | 21.54 | 22.49 | 24.69 | 25.06 | 24.73 | 28.26 | 28.67 | 25.96 | 21.89 | 21.75 | 21.76 | 21.53 | |
| Max | 22.25 | 26.52 | 26.20 | 25.99 | 26.63 | 28.75 | 28.82 | 28.16 | 22.59 | 22.08 | 22.23 | 21.90 | 28.82 |
| Min | 21.05 | 21.04 | 23.82 | 24.20 | 22.83 | 27.21 | 28.22 | 22.31 | 20.89 | 21.23 | 21.32 | 21.08 | 20.89 |

Annual Max Momentary Gage Height 28.82 m. (MSL.) , at 06.00 Hours , on Oct 17, 2006

Zero Gage at Bottom Elevation 19.00 m. (MSL.) , River Bed 13.80 m. (MSL.)

Left Bank Elevation 29.84 m. (MSL.) ,

Right Bank Elevation 32.10 m. (MSL.) , Drainage Are 32,826 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 210.80 | 313.70 | 542.00 | 737.40 | 595.50 | 1010.20 | 1364.00 | 996.00 | 229.50 | 248.90 | 257.00 | 218.80 | | |
| 2 | 244.40 | 316.40 | 522.40 | 725.20 | 628.80 | 1045.40 | 1364.00 | 978.50 | 224.38 | 238.10 | 276.80 | 241.70 | | |
| 3 | 227.60 | 297.50 | 539.20 | 696.30 | 662.40 | 1120.20 | 1361.60 | 975.00 | 222.25 | 231.80 | 283.10 | 249.80 | | |
| 4 | 237.20 | 281.30 | 577.50 | 662.40 | 677.60 | 1167.60 | 1352.00 | 961.00 | 301.10 | 214.80 | 286.70 | 255.20 | | |
| 5 | 214.00 | 286.70 | 564.40 | 625.60 | 682.70 | 1181.40 | 1347.20 | 928.00 | 313.70 | 200.40 | 280.40 | 257.00 | | |
| 6 | 196.40 | 285.80 | 526.60 | 589.50 | 682.70 | 1183.70 | 1349.60 | 895.00 | 312.80 | 209.20 | 264.20 | 252.50 | | |
| 7 | 211.60 | 258.80 | 512.60 | 554.60 | 681.00 | 1197.50 | 1349.60 | 865.00 | 319.10 | 250.70 | 243.50 | 239.00 | | |
| 8 | 216.40 | 228.40 | 511.20 | 514.00 | 652.80 | 1197.50 | 1349.60 | 832.50 | 311.00 | 266.90 | 239.90 | 235.40 | | |
| 9 | 222.00 | 207.60 | 500.00 | 493.00 | 625.60 | 1188.30 | 1356.80 | 790.00 | 279.50 | 268.70 | 248.00 | 238.10 | | |
| 10 | 226.80 | 193.20 | 493.00 | 486.00 | 504.20 | 1176.80 | 1366.40 | 757.50 | 250.70 | 236.30 | 257.00 | 231.80 | | |
| 11 | 219.60 | 194.00 | 480.80 | 526.60 | 457.60 | 1167.60 | 1371.20 | 725.00 | 227.60 | 226.00 | 264.20 | 237.20 | | |
| 12 | 206.80 | 197.20 | 484.70 | 530.80 | 421.70 | 1172.20 | 1373.60 | 687.00 | 211.60 | 236.30 | 263.30 | 245.30 | | |
| 13 | 186.00 | 197.20 | 502.80 | 549.00 | 384.00 | 1202.10 | 1376.00 | 659.00 | 182.80 | 258.80 | 257.00 | 239.90 | | |
| 14 | 203.60 | 195.60 | 508.40 | 557.40 | 361.40 | 1220.50 | 1376.00 | 628.65 | 173.20 | 273.20 | 235.40 | 214.80 | | |
| 15 | 209.20 | 195.60 | 512.60 | 573.00 | 348.80 | 1244.00 | 1376.00 | 602.30 | 190.00 | 257.90 | 231.80 | 208.40 | | |
| 16 | 210.00 | 199.60 | 519.60 | 577.50 | 340.70 | 1263.20 | 1378.40 | 571.30 | 226.00 | 248.90 | 239.00 | 213.20 | | |
| 17 | 194.00 | 193.20 | 516.80 | 565.80 | 399.00 | 1280.00 | 1380.80 | 541.85 | 259.70 | 224.40 | 239.90 | 218.80 | | |
| 18 | 187.60 | 192.40 | 474.30 | 546.20 | 454.00 | 1294.40 | 1283.50 | 509.30 | 264.20 | 219.60 | 239.00 | 220.40 | | |
| 19 | 187.60 | 198.80 | 452.80 | 546.20 | 482.10 | 1308.80 | 1277.00 | 476.25 | 252.50 | 248.00 | 240.80 | 224.40 | | |
| 20 | 208.40 | 188.40 | 438.40 | 580.50 | 491.60 | 1316.00 | 1270.50 | 441.25 | 231.80 | 246.20 | 226.00 | 223.60 | | |
| 21 | 222.80 | 185.20 | 443.20 | 611.20 | 490.20 | 1318.40 | 1257.50 | 400.00 | 237.20 | 257.00 | 214.80 | 232.70 | | |
| 22 | 230.90 | 194.00 | 469.10 | 665.70 | 540.60 | 1330.40 | 1214.00 | 366.00 | 259.70 | 260.60 | 207.60 | 213.20 | | |
| 23 | 247.10 | 225.20 | 526.60 | 735.60 | 636.80 | 1342.40 | 1186.50 | 336.00 | 267.80 | 260.60 | 221.20 | 207.60 | | |
| 24 | 259.70 | 318.20 | 624.00 | 766.20 | 672.50 | 1356.80 | 1181.00 | 322.00 | 270.50 | 235.40 | 236.30 | 214.00 | | |
| 25 | 275.90 | 557.40 | 721.80 | 750.00 | 670.80 | 1359.20 | 1170.00 | 295.00 | 281.30 | 231.80 | 235.40 | 215.60 | | |
| 26 | 266.00 | 798.40 | 781.30 | 699.70 | 616.00 | 1361.60 | 1156.50 | 287.00 | 281.30 | 236.30 | 233.60 | 216.40 | | |
| 27 | 255.20 | 856.00 | 806.00 | 660.80 | 568.60 | 1361.60 | 1129.50 | 270.50 | 261.50 | 244.40 | 228.40 | 205.20 | | |
| 28 | 262.40 | 868.00 | 788.90 | 632.00 | 616.00 | 1361.60 | 1101.00 | 249.25 | 249.80 | 252.50 | 210.80 | 188.40 | | |
| 29 | 269.60 | 694.60 | 777.50 | 619.20 | 728.60 | 1364.00 | 1073.00 | 240.75 | 255.20 | 260.60 | | 190.80 | | |
| 30 | 288.50 | 614.40 | 744.60 | 608.00 | 830.70 | 1364.00 | 1053.00 | 232.75 | 249.80 | 265.10 | | 214.80 | | |
| 31 | | 567.20 | | 608.00 | 890.00 | | 1017.00 | | 243.50 | 257.90 | | 217.20 | | |
| Total | 6798.10 | 10500.00 | 16863.10 | 18993.40 | 17795.00 | 37457.40 | 39562.80 | 17819.65 | 7841.03 | 7567.30 | 6861.10 | 6981.20 | 195040.08 | CMSDAY |
| Mean | 226.60 | 338.71 | 562.10 | 612.69 | 574.03 | 1248.58 | 1276.22 | 593.99 | 252.94 | 244.11 | 245.04 | 225.20 | 534.36 | CMS |
| Max | 288.50 | 868.00 | 806.00 | 766.20 | 890.00 | 1364.00 | 1380.80 | 996.00 | 319.10 | 273.20 | 286.70 | 257.00 | 1380.80 | CMS |
| Min | 186.00 | 185.20 | 438.40 | 486.00 | 340.70 | 1010.20 | 1017.00 | 232.75 | 173.20 | 200.40 | 207.60 | 188.40 | 173.20 | CMS |
| Runoff | 587.36 | 907.20 | 1456.97 | 1641.03 | 1537.49 | 3236.32 | 3418.23 | 1539.62 | 677.46 | 653.81 | 592.80 | 603.18 | 16851.46 | MCM |

Momentary Peak 1380.80 CMS. at 28.82 m. (MSL.) at 06.00 Hours , on Oct 17, 2006

Runoff Yield 16.28 Liters/Second/Square KM. Momentary Peak Yield 42.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khwae Noi River at Ban Yang, Phitsanulok (N.22)

Lat 17 - 01 - 56 N Long 100 - 22 - 20 E

**Location : on left bank about 1 kilometer downstream from District Forestry Office.**

**Ban** Yang **Amphoe** Wat Bot **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 4,764 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +42.670 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | In front of the Meteorological Station. **Elevation** +51.975 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1963 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1963 - 1974, 1996 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1963 - 1974, 1996 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 20 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

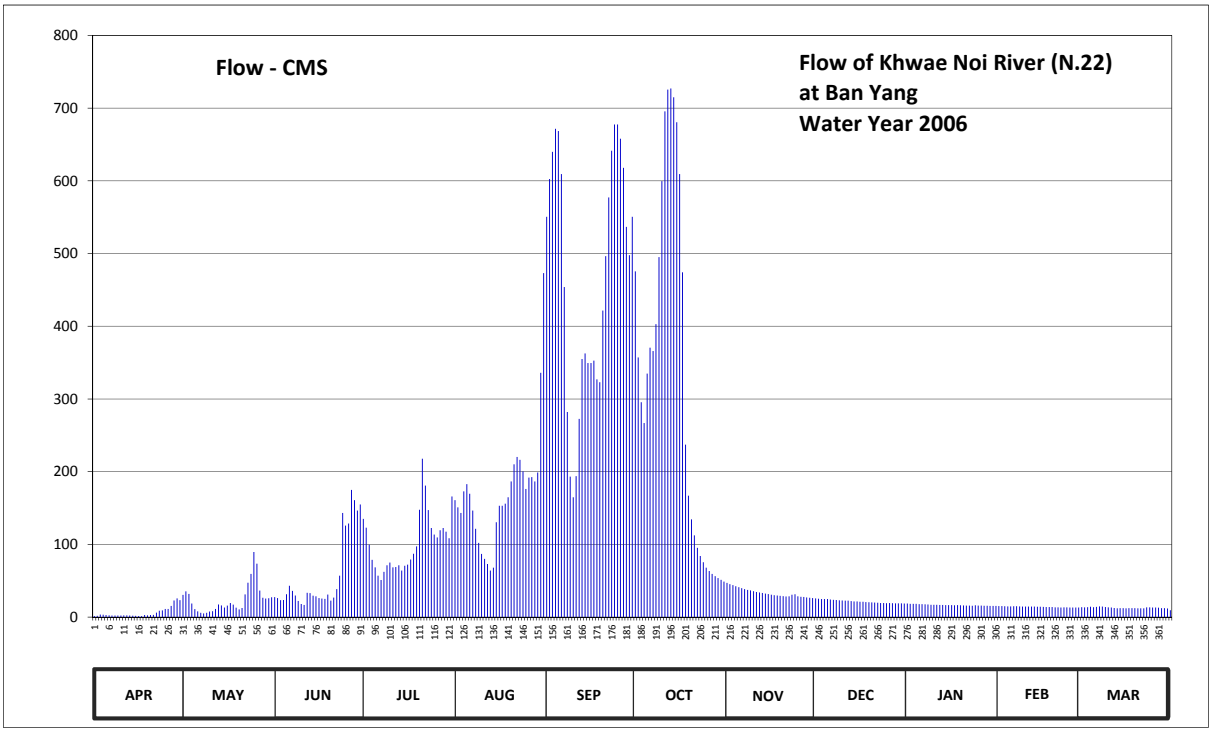
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42.40 | 44.18 | 44.06 | 46.10 | 46.58 | 50.49 | 49.92 | 43.70 | 42.58 | 42.11 | 41.85 | 41.73 | |
| 2 | 42.43 | 44.38 | 44.01 | 45.86 | 46.40 | 50.86 | 48.92 | 43.62 | 42.55 | 42.09 | 41.85 | 41.71 | |
| 3 | 42.63 | 44.24 | 43.86 | 45.39 | 46.26 | 51.12 | 48.31 | 43.55 | 42.53 | 42.09 | 41.83 | 41.73 | |
| 4 | 42.62 | 43.63 | 43.88 | 44.87 | 46.80 | 51.33 | 48.01 | 43.47 | 42.52 | 42.08 | 41.82 | 41.78 | |
| 5 | 42.58 | 43.13 | 44.22 | 44.55 | 46.95 | 51.31 | 48.71 | 43.41 | 42.52 | 42.06 | 41.82 | 41.73 | |
| 6 | 42.52 | 42.93 | 44.63 | 44.12 | 46.74 | 50.91 | 49.04 | 43.34 | 42.48 | 42.05 | 41.83 | 41.76 | |
| 7 | 42.49 | 42.79 | 44.40 | 43.88 | 46.32 | 49.75 | 49.00 | 43.28 | 42.45 | 42.04 | 41.83 | 41.82 | |
| 8 | 42.50 | 42.74 | 44.15 | 44.33 | 45.83 | 48.17 | 49.32 | 43.22 | 42.44 | 42.02 | 41.81 | 41.80 | |
| 9 | 42.48 | 42.80 | 43.81 | 44.64 | 45.44 | 47.11 | 50.07 | 43.19 | 42.41 | 42.00 | 41.80 | 41.74 | |
| 10 | 42.49 | 42.91 | 43.60 | 44.77 | 45.07 | 46.65 | 50.84 | 43.13 | 42.39 | 42.00 | 41.80 | 41.71 | |
| 11 | 42.51 | 42.94 | 43.51 | 44.55 | 44.90 | 47.12 | 51.49 | 43.08 | 42.38 | 41.99 | 41.80 | 41.69 | |
| 12 | 42.52 | 43.15 | 44.30 | 44.56 | 44.70 | 48.07 | 51.69 | 43.04 | 42.37 | 41.98 | 41.80 | 41.65 | |
| 13 | 42.50 | 43.56 | 44.28 | 44.64 | 44.40 | 48.90 | 51.70 | 43.01 | 42.33 | 41.97 | 41.80 | 41.61 | |
| 14 | 42.45 | 43.47 | 44.14 | 44.40 | 44.53 | 48.97 | 51.62 | 42.96 | 42.31 | 41.96 | 41.78 | 41.63 | |
| 15 | 42.43 | 43.28 | 44.10 | 44.62 | 46.01 | 48.85 | 51.39 | 42.92 | 42.30 | 41.95 | 41.78 | 41.63 | |
| 16 | 42.40 | 43.46 | 44.01 | 44.67 | 46.44 | 48.85 | 50.91 | 42.88 | 42.28 | 41.95 | 41.76 | 41.61 | |
| 17 | 42.37 | 43.67 | 43.98 | 44.88 | 46.44 | 48.88 | 49.91 | 42.84 | 42.28 | 41.94 | 41.75 | 41.63 | |
| 18 | 42.57 | 43.55 | 43.95 | 45.08 | 46.49 | 48.63 | 47.69 | 42.81 | 42.24 | 41.96 | 41.75 | 41.62 | |
| 19 | 42.53 | 43.26 | 44.20 | 45.33 | 46.65 | 48.59 | 46.69 | 42.79 | 42.23 | 41.94 | 41.74 | 41.63 | |
| 20 | 42.59 | 43.11 | 43.83 | 46.34 | 47.01 | 49.48 | 46.09 | 42.76 | 42.21 | 41.93 | 41.72 | 41.61 | |
| 21 | 42.61 | 43.24 | 44.03 | 47.46 | 47.36 | 50.08 | 45.65 | 42.74 | 42.20 | 41.91 | 41.72 | 41.61 | |
| 22 | 42.81 | 44.21 | 44.48 | 46.92 | 47.49 | 50.68 | 45.28 | 42.75 | 42.18 | 41.90 | 41.70 | 41.61 | |
| 23 | 42.99 | 44.75 | 45.00 | 46.33 | 47.44 | 51.13 | 45.00 | 42.87 | 42.16 | 41.89 | 41.71 | 41.71 | |
| 24 | 43.01 | 45.05 | 46.39 | 45.85 | 47.22 | 51.37 | 44.78 | 42.91 | 42.15 | 41.94 | 41.71 | 41.72 | |
| 25 | 43.15 | 45.63 | 46.17 | 45.67 | 46.85 | 51.37 | 44.53 | 42.75 | 42.14 | 41.90 | 41.70 | 41.70 | |
| 26 | 43.14 | 45.33 | 46.21 | 45.59 | 47.09 | 51.24 | 44.37 | 42.71 | 42.15 | 41.90 | 41.69 | 41.69 | |
| 27 | 43.42 | 44.42 | 46.83 | 45.79 | 47.10 | 50.97 | 44.22 | 42.70 | 42.14 | 41.89 | 41.70 | 41.68 | |
| 28 | 43.84 | 44.02 | 46.58 | 45.85 | 47.01 | 50.39 | 44.09 | 42.66 | 42.13 | 41.89 | 41.70 | 41.63 | |
| 29 | 43.99 | 43.97 | 46.32 | 45.75 | 47.20 | 50.09 | 43.99 | 42.63 | 42.12 | 41.87 | | 41.62 | |
| 30 | 43.86 | 44.00 | 46.47 | 45.57 | 48.72 | 50.49 | 43.89 | 42.61 | 42.12 | 41.87 | | 41.59 | |
| 31 | | 44.05 | | 46.67 | 49.90 | | 43.79 | | 42.11 | 41.87 | | 41.40 | |
| Mean | 42.76 | 43.74 | 44.65 | 45.32 | 46.56 | 49.73 | 47.77 | 43.01 | 42.30 | 41.97 | 41.77 | 41.67 | |
| Max | 43.99 | 45.63 | 46.83 | 47.46 | 49.90 | 51.37 | 51.70 | 43.70 | 42.58 | 42.11 | 41.85 | 41.82 | 51.70 |
| Min | 42.37 | 42.74 | 43.51 | 43.88 | 44.40 | 46.65 | 43.79 | 42.61 | 42.11 | 41.87 | 41.69 | 41.40 | 41.40 |

Annual Max Momentary Gage Height 51.71 m. (MSL.) , at 24.00 Hours , on Oct 12, 2006

Zero Gage at Bottom Elevation 42.67 m. (MSL.) , River Bed 40.87 m. (MSL.)

Left Bank Elevation 52.30 m. (MSL.) ,

Right Bank Elevation 52.25 m. (MSL.) , Drainage Are 4,764 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.50 | 30.50 | 27.50 | 135.00 | 160.90 | 550.60 | 475.60 | 47.00 | 25.70 | 18.65 | 15.13 | 13.63 | | |
| 2 | 1.73 | 35.50 | 26.25 | 123.00 | 151.00 | 602.40 | 357.20 | 45.40 | 25.25 | 18.35 | 15.13 | 13.38 | | |
| 3 | 3.45 | 32.00 | 23.20 | 99.60 | 143.30 | 640.00 | 295.45 | 44.00 | 24.95 | 18.35 | 14.88 | 13.63 | | |
| 4 | 3.30 | 18.60 | 23.60 | 78.80 | 173.00 | 671.50 | 266.95 | 42.40 | 24.80 | 18.20 | 14.75 | 14.25 | | |
| 5 | 2.85 | 10.95 | 31.50 | 68.50 | 182.75 | 668.50 | 335.00 | 41.20 | 24.80 | 17.90 | 14.75 | 13.63 | | |
| 6 | 2.40 | 7.95 | 43.05 | 57.00 | 169.70 | 609.40 | 370.60 | 39.80 | 24.20 | 17.75 | 14.88 | 14.00 | | |
| 7 | 2.18 | 5.85 | 36.00 | 51.00 | 146.60 | 454.00 | 366.00 | 38.60 | 23.75 | 17.60 | 14.88 | 14.75 | | |
| 8 | 2.25 | 5.10 | 29.75 | 62.25 | 121.50 | 282.15 | 402.80 | 37.40 | 23.60 | 17.30 | 14.63 | 14.50 | | |
| 9 | 2.10 | 6.00 | 22.20 | 71.20 | 102.00 | 193.15 | 495.10 | 36.80 | 23.15 | 17.00 | 14.50 | 13.75 | | |
| 10 | 2.18 | 7.65 | 18.00 | 75.10 | 86.80 | 164.75 | 599.60 | 35.60 | 22.85 | 17.00 | 14.50 | 13.38 | | |
| 11 | 2.33 | 8.10 | 16.65 | 68.50 | 80.00 | 193.80 | 695.50 | 34.60 | 22.70 | 16.88 | 14.50 | 13.13 | | |
| 12 | 2.40 | 11.25 | 33.50 | 68.80 | 73.00 | 272.65 | 725.50 | 33.80 | 22.55 | 16.75 | 14.50 | 12.63 | | |
| 13 | 2.25 | 17.40 | 33.00 | 71.20 | 64.00 | 355.00 | 727.00 | 33.20 | 21.95 | 16.63 | 14.50 | 12.13 | | |
| 14 | 1.88 | 16.05 | 29.50 | 64.00 | 67.90 | 362.70 | 715.00 | 32.30 | 21.65 | 16.50 | 14.25 | 12.38 | | |
| 15 | 1.73 | 13.20 | 28.50 | 70.60 | 130.50 | 349.50 | 680.50 | 31.60 | 21.50 | 16.38 | 14.25 | 12.38 | | |
| 16 | 1.50 | 15.90 | 26.25 | 72.10 | 153.20 | 349.50 | 609.40 | 30.90 | 21.20 | 16.38 | 14.00 | 12.13 | | |
| 17 | 1.28 | 19.40 | 25.60 | 79.20 | 153.20 | 352.80 | 474.30 | 30.20 | 21.20 | 16.25 | 13.88 | 12.38 | | |
| 18 | 2.78 | 17.25 | 25.00 | 87.20 | 155.95 | 327.00 | 237.10 | 29.68 | 20.60 | 16.50 | 13.88 | 12.25 | | |
| 19 | 2.48 | 12.90 | 31.00 | 97.20 | 164.75 | 323.00 | 166.95 | 29.33 | 20.45 | 16.25 | 13.75 | 12.38 | | |
| 20 | 2.93 | 10.65 | 22.60 | 147.70 | 186.65 | 421.60 | 134.50 | 28.80 | 20.15 | 16.13 | 13.50 | 12.13 | | |
| 21 | 3.15 | 12.60 | 26.75 | 217.80 | 210.20 | 496.40 | 112.50 | 28.45 | 20.00 | 15.88 | 13.50 | 12.13 | | |
| 22 | 6.15 | 31.25 | 38.40 | 180.80 | 220.20 | 577.20 | 95.20 | 28.63 | 19.70 | 15.75 | 13.25 | 12.13 | | |
| 23 | 8.85 | 47.25 | 57.00 | 147.15 | 216.20 | 641.50 | 84.00 | 30.73 | 19.40 | 15.63 | 13.38 | 13.38 | | |
| 24 | 9.15 | 59.50 | 143.20 | 122.50 | 200.40 | 677.50 | 75.40 | 31.43 | 19.25 | 16.25 | 13.38 | 13.50 | | |
| 25 | 11.25 | 89.65 | 125.75 | 113.50 | 176.25 | 677.50 | 67.90 | 28.63 | 19.10 | 15.75 | 13.25 | 13.25 | | |
| 26 | 11.10 | 73.50 | 128.80 | 109.50 | 191.85 | 658.00 | 63.25 | 27.93 | 19.25 | 15.75 | 13.13 | 13.13 | | |
| 27 | 15.30 | 36.60 | 174.95 | 119.50 | 192.50 | 617.80 | 59.50 | 27.75 | 19.10 | 15.63 | 13.25 | 13.00 | | |
| 28 | 22.80 | 26.50 | 160.90 | 122.50 | 186.65 | 536.70 | 56.25 | 27.05 | 18.95 | 15.63 | 13.25 | 12.38 | | |
| 29 | 25.80 | 25.40 | 146.60 | 117.50 | 199.00 | 497.70 | 53.75 | 26.53 | 18.80 | 15.38 | | 12.25 | | |
| 30 | 23.20 | 26.00 | 154.85 | 108.50 | 336.00 | 550.60 | 51.25 | 26.18 | 18.80 | 15.38 | | 11.88 | | |
| 31 | | 27.25 | | 165.85 | 473.00 | | 48.80 | | 18.65 | 15.38 | | 9.50 | | |
| Total | 182.25 | 757.70 | 1709.85 | 3173.05 | 5268.95 | 14074.90 | 9897.85 | 1005.92 | 668.00 | 515.16 | 395.43 | 399.35 | 38048.41 | CMSDAY |
| Mean | 6.08 | 24.44 | 56.99 | 102.36 | 169.97 | 469.16 | 319.29 | 33.53 | 21.55 | 16.62 | 14.12 | 12.88 | 104.24 | CMS |
| Max | 25.80 | 89.65 | 174.95 | 217.80 | 473.00 | 677.50 | 727.00 | 47.00 | 25.70 | 18.65 | 15.13 | 14.75 | 727.00 | CMS |
| Min | 1.28 | 5.10 | 16.65 | 51.00 | 64.00 | 164.75 | 48.80 | 26.18 | 18.65 | 15.38 | 13.13 | 9.50 | 1.28 | CMS |
| Runoff | 15.75 | 65.47 | 147.73 | 274.15 | 455.24 | 1216.07 | 855.17 | 86.91 | 57.72 | 44.51 | 34.17 | 34.50 | 3287.38 | MCM |

Momentary Peak 728.50 CMS. at 51.71 m. (MSL.) at 24.00 Hours , on Oct 12, 2006

Runoff Yield 21.88 Liters/Second/Square KM. Momentary Peak Yield 152.92 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khek River at Ban Wang Nok Aen , Phitsanulok (N.24)

Lat 16 - 50 - 36 N Long 100 - 31 - 20 E

**Location : on right bank about 2 kilometers downstream from Sakunothayan Fall.**

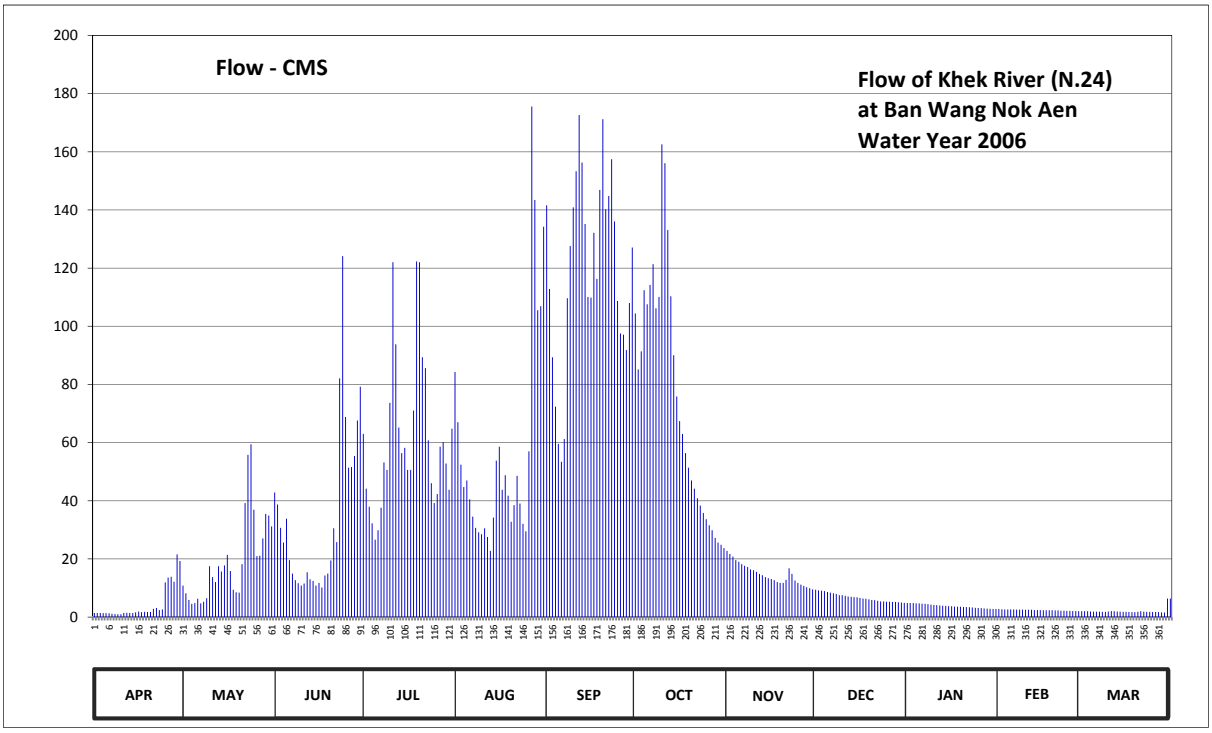
**Ban** Wang Nok Aen **Amphoe** Wang Thong **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 1,838 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +40.710 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the gage site. **Elevation** +54.851 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1965 to date |
| **Rating Operation** | |
| **Period of Rating** | 1965 - 1974 , 1980 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1965 - 1974 , 1980 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 26 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41.53 | 42.55 | 44.58 | 45.60 | 46.60 | 49.13 | 47.51 | 43.41 | 42.42 | 41.98 | 41.74 | 41.63 | |
| 2 | 41.53 | 42.31 | 44.35 | 44.65 | 45.80 | 47.88 | 46.64 | 43.34 | 42.40 | 41.98 | 41.73 | 41.63 | |
| 3 | 41.52 | 42.09 | 43.90 | 44.31 | 45.07 | 46.83 | 46.92 | 43.28 | 42.39 | 41.98 | 41.72 | 41.63 | |
| 4 | 41.51 | 41.95 | 43.59 | 43.99 | 44.68 | 46.06 | 47.86 | 43.20 | 42.38 | 41.97 | 41.72 | 41.62 | |
| 5 | 41.51 | 41.98 | 44.08 | 43.65 | 44.80 | 45.43 | 47.65 | 43.16 | 42.35 | 41.97 | 41.72 | 41.61 | |
| 6 | 41.50 | 42.13 | 43.20 | 43.85 | 44.45 | 45.12 | 47.94 | 43.10 | 42.33 | 41.96 | 41.72 | 41.61 | |
| 7 | 41.47 | 41.97 | 42.87 | 44.29 | 44.12 | 45.51 | 48.25 | 43.06 | 42.31 | 41.95 | 41.71 | 41.61 | |
| 8 | 41.45 | 42.03 | 42.70 | 45.11 | 43.90 | 47.74 | 47.59 | 43.03 | 42.29 | 41.94 | 41.71 | 41.60 | |
| 9 | 41.44 | 42.15 | 42.62 | 44.98 | 43.81 | 48.52 | 47.76 | 42.97 | 42.25 | 41.92 | 41.71 | 41.60 | |
| 10 | 41.44 | 43.05 | 42.55 | 46.12 | 43.77 | 49.10 | 50.04 | 42.95 | 42.25 | 41.91 | 41.70 | 41.62 | |
| 11 | 41.52 | 42.78 | 42.61 | 48.28 | 43.89 | 49.64 | 49.76 | 42.91 | 42.23 | 41.90 | 41.70 | 41.64 | |
| 12 | 41.54 | 42.65 | 42.90 | 47.03 | 43.71 | 50.46 | 48.76 | 42.86 | 42.21 | 41.89 | 41.70 | 41.63 | |
| 13 | 41.53 | 43.05 | 42.72 | 45.71 | 43.41 | 49.77 | 47.77 | 42.83 | 42.20 | 41.88 | 41.69 | 41.62 | |
| 14 | 41.53 | 42.92 | 42.68 | 45.27 | 44.10 | 48.85 | 46.86 | 42.78 | 42.19 | 41.87 | 41.69 | 41.61 | |
| 15 | 41.57 | 43.07 | 42.55 | 45.36 | 45.14 | 47.76 | 46.22 | 42.75 | 42.18 | 41.86 | 41.69 | 41.60 | |
| 16 | 41.62 | 43.32 | 42.63 | 44.98 | 45.38 | 47.75 | 45.82 | 42.73 | 42.16 | 41.86 | 41.68 | 41.60 | |
| 17 | 41.58 | 42.93 | 42.49 | 44.98 | 44.63 | 48.72 | 45.60 | 42.70 | 42.14 | 41.85 | 41.68 | 41.59 | |
| 18 | 41.60 | 42.42 | 42.82 | 46.00 | 44.89 | 48.03 | 45.27 | 42.65 | 42.13 | 41.84 | 41.68 | 41.58 | |
| 19 | 41.59 | 42.34 | 42.87 | 48.29 | 44.52 | 49.36 | 45.02 | 42.63 | 42.11 | 41.84 | 41.68 | 41.58 | |
| 20 | 41.59 | 42.33 | 43.19 | 48.28 | 44.02 | 50.40 | 44.80 | 42.63 | 42.09 | 41.83 | 41.67 | 41.60 | |
| 21 | 41.75 | 43.10 | 43.89 | 46.83 | 44.34 | 49.07 | 44.65 | 42.71 | 42.08 | 41.83 | 41.67 | 41.63 | |
| 22 | 41.79 | 44.38 | 43.60 | 46.66 | 44.88 | 49.27 | 44.47 | 43.00 | 42.06 | 41.82 | 41.66 | 41.61 | |
| 23 | 41.69 | 45.24 | 46.50 | 45.49 | 44.37 | 49.82 | 44.33 | 42.86 | 42.04 | 41.81 | 41.66 | 41.60 | |
| 24 | 41.72 | 45.42 | 48.37 | 44.75 | 43.98 | 48.89 | 44.19 | 42.69 | 42.04 | 41.80 | 41.65 | 41.60 | |
| 25 | 42.64 | 44.25 | 45.89 | 44.38 | 43.83 | 47.70 | 44.07 | 42.63 | 42.03 | 41.79 | 41.65 | 41.59 | |
| 26 | 42.77 | 43.29 | 45.02 | 44.55 | 45.30 | 47.20 | 43.95 | 42.58 | 42.03 | 41.78 | 41.64 | 41.59 | |
| 27 | 42.79 | 43.30 | 45.03 | 45.38 | 50.58 | 47.18 | 43.85 | 42.54 | 42.02 | 41.77 | 41.64 | 41.58 | |
| 28 | 42.66 | 43.68 | 45.22 | 45.46 | 49.21 | 46.94 | 43.69 | 42.50 | 42.02 | 41.76 | 41.63 | 41.57 | |
| 29 | 43.33 | 44.17 | 45.83 | 45.09 | 47.56 | 47.67 | 43.59 | 42.47 | 42.01 | 41.75 | | 41.56 | |
| 30 | 43.18 | 44.14 | 46.37 | 44.63 | 47.62 | 48.50 | 43.54 | 42.43 | 42.00 | 41.74 | | 42.14 | |
| 31 | | 43.93 | | 45.69 | 48.81 | | 43.47 | | 41.99 | 41.74 | | 42.14 | |
| Mean | 41.83 | 43.06 | 43.92 | 45.47 | 45.20 | 48.14 | 46.06 | 42.85 | 42.17 | 41.86 | 41.69 | 41.64 | |
| Max | 43.33 | 45.42 | 48.37 | 48.29 | 50.58 | 50.46 | 50.04 | 43.41 | 42.42 | 41.98 | 41.74 | 42.14 | 50.58 |
| Min | 41.44 | 41.95 | 42.49 | 43.65 | 43.41 | 45.12 | 43.47 | 42.43 | 41.99 | 41.74 | 41.63 | 41.56 | 41.44 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 51.26 | m. (MSL.) , | at 06.00 Hours , on Sep 20, 2006 | | |
| Zero Gage at Bottom Elevation | 40.71 | m. (MSL.) , | River Bed | 41.05 | m. (MSL.) |
| Left Bank Elevation | 54.65 | m. (MSL.) , | | | |
| Right Bank Elevation | 55.23 | m. (MSL.) , | Drainage Are | 1,838 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.45 | 10.85 | 42.84 | 63.00 | 84.28 | 141.59 | 104.41 | 22.76 | 9.42 | 4.82 | 2.78 | 2.01 | | |
| 2 | 1.45 | 8.21 | 38.70 | 44.15 | 67.00 | 112.84 | 85.16 | 21.70 | 9.20 | 4.82 | 2.71 | 2.01 | | |
| 3 | 1.40 | 5.90 | 30.70 | 37.98 | 52.40 | 89.36 | 91.36 | 20.80 | 9.09 | 4.82 | 2.64 | 2.01 | | |
| 4 | 1.35 | 4.55 | 25.64 | 32.23 | 44.72 | 72.33 | 112.38 | 19.60 | 8.98 | 4.73 | 2.64 | 1.94 | | |
| 5 | 1.35 | 4.82 | 33.84 | 26.60 | 47.00 | 59.60 | 107.55 | 19.04 | 8.65 | 4.73 | 2.64 | 1.87 | | |
| 6 | 1.30 | 6.30 | 19.60 | 29.85 | 40.50 | 53.40 | 114.22 | 18.20 | 8.43 | 4.64 | 2.64 | 1.87 | | |
| 7 | 1.15 | 4.73 | 14.98 | 37.62 | 34.56 | 61.20 | 121.35 | 17.64 | 8.21 | 4.55 | 2.57 | 1.87 | | |
| 8 | 1.05 | 5.30 | 12.70 | 53.20 | 30.70 | 109.62 | 106.18 | 17.22 | 7.99 | 4.46 | 2.57 | 1.80 | | |
| 9 | 1.00 | 6.50 | 11.66 | 50.60 | 29.17 | 127.56 | 110.08 | 16.38 | 7.55 | 4.28 | 2.57 | 1.80 | | |
| 10 | 1.00 | 17.50 | 10.85 | 73.66 | 28.52 | 140.90 | 162.56 | 16.10 | 7.55 | 4.19 | 2.50 | 1.94 | | |
| 11 | 1.40 | 13.74 | 11.53 | 122.04 | 30.53 | 153.32 | 156.08 | 15.54 | 7.33 | 4.10 | 2.50 | 2.08 | | |
| 12 | 1.50 | 12.05 | 15.40 | 93.79 | 27.56 | 172.64 | 133.08 | 14.84 | 7.11 | 4.01 | 2.50 | 2.01 | | |
| 13 | 1.45 | 17.50 | 12.96 | 65.20 | 22.76 | 156.31 | 110.31 | 14.42 | 7.00 | 3.92 | 2.43 | 1.94 | | |
| 14 | 1.45 | 15.68 | 12.44 | 56.40 | 34.20 | 135.15 | 90.03 | 13.74 | 6.90 | 3.83 | 2.43 | 1.87 | | |
| 15 | 1.65 | 17.78 | 10.85 | 58.20 | 53.80 | 110.08 | 75.87 | 13.35 | 6.80 | 3.74 | 2.43 | 1.80 | | |
| 16 | 1.94 | 21.40 | 11.79 | 50.60 | 58.60 | 109.85 | 67.40 | 13.09 | 6.60 | 3.74 | 2.36 | 1.80 | | |
| 17 | 1.70 | 15.82 | 10.19 | 50.60 | 43.77 | 132.16 | 63.00 | 12.70 | 6.40 | 3.65 | 2.36 | 1.75 | | |
| 18 | 1.80 | 9.42 | 14.28 | 71.00 | 48.80 | 116.29 | 56.40 | 12.05 | 6.30 | 3.56 | 2.36 | 1.70 | | |
| 19 | 1.75 | 8.54 | 14.98 | 122.27 | 41.76 | 146.88 | 51.40 | 11.79 | 6.10 | 3.56 | 2.36 | 1.70 | | |
| 20 | 1.75 | 8.43 | 19.46 | 122.04 | 32.76 | 171.20 | 47.00 | 11.79 | 5.90 | 3.47 | 2.29 | 1.80 | | |
| 21 | 2.85 | 18.20 | 30.53 | 89.36 | 38.52 | 140.21 | 44.15 | 12.83 | 5.80 | 3.47 | 2.29 | 2.01 | | |
| 22 | 3.13 | 39.24 | 25.80 | 85.60 | 48.60 | 144.81 | 40.86 | 16.80 | 5.60 | 3.38 | 2.22 | 1.87 | | |
| 23 | 2.43 | 55.80 | 82.06 | 60.80 | 39.06 | 157.46 | 38.34 | 14.84 | 5.40 | 3.29 | 2.22 | 1.80 | | |
| 24 | 2.64 | 59.40 | 124.11 | 46.05 | 32.06 | 136.07 | 35.82 | 12.57 | 5.40 | 3.20 | 2.15 | 1.80 | | |
| 25 | 11.92 | 36.90 | 68.80 | 39.24 | 29.51 | 108.70 | 33.66 | 11.79 | 5.30 | 3.13 | 2.15 | 1.75 | | |
| 26 | 13.61 | 20.95 | 51.40 | 42.30 | 57.00 | 97.55 | 31.55 | 11.18 | 5.30 | 3.06 | 2.08 | 1.75 | | |
| 27 | 13.87 | 21.10 | 51.60 | 58.60 | 175.52 | 97.11 | 29.85 | 10.74 | 5.20 | 2.99 | 2.08 | 1.70 | | |
| 28 | 12.18 | 27.08 | 55.40 | 60.20 | 143.43 | 91.80 | 27.24 | 10.30 | 5.20 | 2.92 | 2.01 | 1.65 | | |
| 29 | 21.55 | 35.46 | 67.60 | 52.80 | 105.52 | 108.01 | 25.64 | 9.97 | 5.10 | 2.85 | | 1.60 | | |
| 30 | 19.32 | 34.92 | 79.19 | 43.77 | 106.86 | 127.10 | 24.84 | 9.53 | 5.00 | 2.78 | | 6.40 | | |
| 31 | | 31.21 | | 64.80 | 134.23 | | 23.72 | | 4.91 | 2.78 | | 6.40 | | |
| Total | 132.39 | 595.28 | 1011.88 | 1904.55 | 1763.70 | 3581.10 | 2321.49 | 443.30 | 209.72 | 117.47 | 67.48 | 66.30 | 12214.66 | CMSDAY |
| Mean | 4.41 | 19.20 | 33.73 | 61.44 | 56.89 | 119.37 | 74.89 | 14.78 | 6.77 | 3.79 | 2.41 | 2.14 | 33.46 | CMS |
| Max | 21.55 | 59.40 | 124.11 | 122.27 | 175.52 | 172.64 | 162.56 | 22.76 | 9.42 | 4.82 | 2.78 | 6.40 | 175.52 | CMS |
| Min | 1.00 | 4.55 | 10.19 | 26.60 | 22.76 | 53.40 | 23.72 | 9.53 | 4.91 | 2.78 | 2.01 | 1.60 | 1.00 | CMS |
| Runoff | 11.44 | 51.43 | 87.43 | 164.55 | 152.38 | 309.41 | 200.58 | 38.30 | 18.12 | 10.15 | 5.83 | 5.73 | 1055.35 | MCM |

Momentary Peak 191.90 CMS. at 51.26 m. (MSL.) at 06.00 Hours , on Sep 20, 2006

Runoff Yield 18.21 Liters/Second/Square KM. Momentary Peak Yield 104.41 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Nong Kham , Phitsanulok (N.27A)

Lat 17 - 01 - 46 N Long 100 - 11 - 00 E

**Location : on right bank about 1.8 kilometers downstream from Phrom Phiram Dam.**

**Ban** Nong Kham **Amphoe** Phrom Phiram **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 19,363 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +38.430 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | About 10 meters from the top staff gage. **Elevation** +48.572 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1980 to date |
| **Rating Operation** | |
| **Period of Rating** | 1980 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1980 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow regulated by Naresuan Dam about 2 kilometers above gage site. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

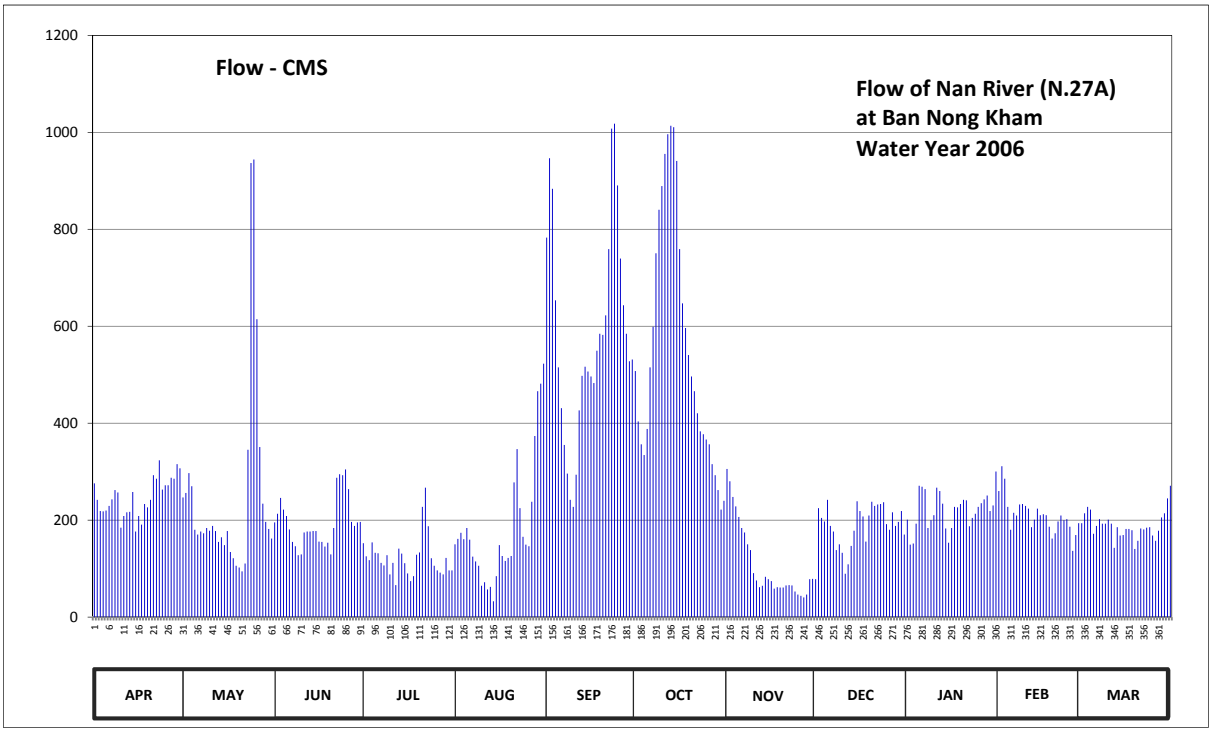
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41.79 | 41.50 | 40.96 | 40.47 | 40.44 | 45.87 | 43.79 | 42.07 | 39.49 | 41.02 | 41.63 | 40.94 | |
| 2 | 41.45 | 41.59 | 41.15 | 40.13 | 40.58 | 47.04 | 42.93 | 41.83 | 41.27 | 40.43 | 42.12 | 41.16 | |
| 3 | 41.21 | 41.99 | 41.49 | 40.03 | 40.72 | 46.59 | 42.53 | 41.51 | 41.06 | 40.46 | 41.88 | 41.30 | |
| 4 | 41.20 | 41.73 | 41.24 | 40.49 | 40.57 | 44.92 | 42.33 | 41.31 | 40.98 | 40.93 | 41.30 | 41.24 | |
| 5 | 41.22 | 40.79 | 41.10 | 40.22 | 40.83 | 43.85 | 42.80 | 41.08 | 41.45 | 41.74 | 40.79 | 40.70 | |
| 6 | 41.32 | 40.68 | 40.80 | 40.21 | 40.56 | 43.16 | 43.85 | 40.83 | 40.88 | 41.72 | 41.17 | 40.88 | |
| 7 | 41.46 | 40.75 | 40.50 | 39.96 | 40.12 | 42.52 | 44.50 | 40.73 | 40.75 | 41.67 | 41.11 | 41.03 | |
| 8 | 41.65 | 40.71 | 40.39 | 39.89 | 40.00 | 41.98 | 45.64 | 40.44 | 40.29 | 40.83 | 41.35 | 40.93 | |
| 9 | 41.60 | 40.83 | 40.16 | 40.16 | 39.88 | 41.45 | 46.28 | 40.29 | 40.44 | 41.01 | 41.36 | 40.93 | |
| 10 | 40.84 | 40.77 | 40.18 | 39.63 | 39.28 | 41.30 | 46.63 | 39.67 | 40.22 | 41.12 | 41.32 | 41.02 | |
| 11 | 41.10 | 40.88 | 40.73 | 39.96 | 39.40 | 41.96 | 47.10 | 39.45 | 39.65 | 41.70 | 41.26 | 40.93 | |
| 12 | 41.18 | 40.76 | 40.75 | 39.30 | 39.15 | 43.12 | 47.38 | 39.23 | 39.92 | 41.63 | 40.85 | 40.35 | |
| 13 | 41.19 | 40.50 | 40.75 | 40.33 | 39.24 | 43.71 | 47.50 | 39.28 | 40.40 | 41.37 | 41.02 | 40.85 | |
| 14 | 41.61 | 40.62 | 40.76 | 40.20 | 38.69 | 43.86 | 47.48 | 39.56 | 40.77 | 40.82 | 41.26 | 40.66 | |
| 15 | 40.75 | 40.42 | 40.76 | 39.95 | 39.58 | 43.78 | 47.00 | 39.49 | 41.42 | 40.48 | 41.12 | 40.67 | |
| 16 | 41.10 | 40.76 | 40.51 | 39.66 | 40.42 | 43.70 | 45.70 | 39.43 | 41.21 | 40.83 | 41.14 | 40.81 | |
| 17 | 40.91 | 40.24 | 40.50 | 39.43 | 40.14 | 43.59 | 44.87 | 39.18 | 41.09 | 41.30 | 41.12 | 40.81 | |
| 18 | 41.36 | 40.08 | 40.38 | 39.58 | 40.01 | 44.12 | 44.48 | 39.23 | 40.51 | 41.29 | 40.86 | 40.78 | |
| 19 | 41.29 | 39.88 | 40.48 | 40.17 | 40.09 | 44.39 | 44.05 | 39.22 | 41.11 | 41.36 | 40.59 | 40.32 | |
| 20 | 41.45 | 39.83 | 40.18 | 40.23 | 40.14 | 44.37 | 43.70 | 39.22 | 41.41 | 41.45 | 40.71 | 40.53 | |
| 21 | 41.95 | 39.72 | 40.83 | 41.30 | 41.81 | 44.68 | 43.45 | 39.29 | 41.32 | 41.44 | 40.98 | 40.82 | |
| 22 | 41.88 | 39.94 | 41.90 | 41.70 | 42.44 | 45.70 | 43.07 | 39.30 | 41.35 | 40.87 | 41.11 | 40.80 | |
| 23 | 42.23 | 42.43 | 41.97 | 40.87 | 41.27 | 47.46 | 42.76 | 39.29 | 41.36 | 41.06 | 41.01 | 40.84 | |
| 24 | 41.66 | 46.97 | 41.95 | 40.08 | 40.63 | 47.53 | 42.71 | 39.08 | 41.40 | 41.15 | 41.03 | 40.85 | |
| 25 | 41.75 | 47.02 | 42.06 | 39.88 | 40.43 | 46.64 | 42.62 | 38.97 | 40.92 | 41.30 | 40.86 | 40.66 | |
| 26 | 41.75 | 44.62 | 41.67 | 39.75 | 40.39 | 45.56 | 42.53 | 38.92 | 40.79 | 41.38 | 40.27 | 40.53 | |
| 27 | 41.90 | 42.48 | 40.97 | 39.68 | 41.41 | 44.84 | 42.16 | 38.85 | 41.18 | 41.46 | 40.67 | 40.77 | |
| 28 | 41.88 | 41.37 | 40.88 | 39.63 | 42.68 | 44.39 | 41.95 | 38.97 | 40.88 | 41.54 | 40.94 | 41.07 | |
| 29 | 42.16 | 40.97 | 40.96 | 40.09 | 43.45 | 43.95 | 41.65 | 39.49 | 40.97 | 41.21 | | 41.16 | |
| 30 | 42.08 | 40.81 | 40.97 | 39.75 | 43.58 | 43.98 | 41.24 | 39.50 | 41.21 | 41.33 | | 41.48 | |
| 31 | | 40.59 | | 39.75 | 43.91 | | 41.43 | | 40.68 | 42.02 | | 41.74 | |
| Mean | 41.50 | 41.36 | 40.93 | 40.08 | 40.70 | 44.33 | 44.07 | 39.82 | 40.85 | 41.22 | 41.10 | 40.89 | |
| Max | 42.23 | 47.02 | 42.06 | 41.70 | 43.91 | 47.53 | 47.50 | 42.07 | 41.45 | 42.02 | 42.12 | 41.74 | 47.53 |
| Min | 40.75 | 39.72 | 40.16 | 39.30 | 38.69 | 41.30 | 41.24 | 38.85 | 39.49 | 40.43 | 40.27 | 40.32 | 38.69 |

Annual Max Momentary Gage Height 47.75 m. (MSL.) , at 20.00 Hours , on Sep 23 , 2006

Zero Gage at Bottom Elevation 38.43 m. (MSL.) , River Bed 37.25 m. (MSL.)

Left Bank Elevation 49.11 m. (MSL.) ,

Right Bank Elevation 48.74 m. (MSL.) , Drainage Are 19,363 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 276.00 | 247.00 | 195.40 | 152.60 | 150.20 | 782.80 | 507.75 | 305.70 | 78.30 | 200.90 | 260.00 | 193.60 | | |
| 2 | 242.00 | 256.00 | 213.25 | 125.40 | 161.40 | 946.80 | 403.60 | 280.15 | 224.65 | 149.40 | 311.20 | 214.20 | | |
| 3 | 218.95 | 296.95 | 246.00 | 117.40 | 173.80 | 883.60 | 356.30 | 248.00 | 204.70 | 151.80 | 285.40 | 227.50 | | |
| 4 | 218.00 | 270.00 | 221.80 | 154.20 | 160.60 | 653.60 | 334.30 | 228.45 | 197.20 | 192.70 | 227.50 | 221.80 | | |
| 5 | 219.90 | 180.10 | 208.50 | 132.60 | 183.70 | 515.25 | 388.00 | 206.60 | 242.00 | 271.00 | 180.10 | 172.00 | | |
| 6 | 229.40 | 170.20 | 181.00 | 131.80 | 159.80 | 431.20 | 515.25 | 183.70 | 188.20 | 269.00 | 215.15 | 188.20 | | |
| 7 | 243.00 | 176.50 | 155.00 | 112.00 | 124.60 | 355.20 | 599.00 | 174.70 | 176.50 | 264.00 | 209.45 | 201.85 | | |
| 8 | 262.00 | 172.90 | 146.20 | 106.75 | 115.00 | 295.90 | 750.60 | 150.20 | 138.20 | 183.70 | 232.25 | 192.70 | | |
| 9 | 257.00 | 183.70 | 127.80 | 127.80 | 106.00 | 242.00 | 840.20 | 138.20 | 150.20 | 199.95 | 233.20 | 192.70 | | |
| 10 | 184.60 | 178.30 | 129.40 | 88.10 | 64.80 | 227.50 | 889.20 | 90.90 | 132.60 | 210.40 | 229.40 | 200.90 | | |
| 11 | 208.50 | 188.20 | 174.70 | 112.00 | 72.00 | 293.80 | 955.50 | 75.50 | 89.50 | 267.00 | 223.70 | 192.70 | | |
| 12 | 216.10 | 177.40 | 176.50 | 66.00 | 57.00 | 426.40 | 996.10 | 61.80 | 109.00 | 260.00 | 185.50 | 143.00 | | |
| 13 | 217.05 | 155.00 | 176.50 | 141.40 | 62.40 | 497.75 | 1013.50 | 64.80 | 147.00 | 234.15 | 200.90 | 185.50 | | |
| 14 | 258.00 | 164.80 | 177.40 | 131.00 | 32.50 | 516.50 | 1010.60 | 83.20 | 178.30 | 182.80 | 223.70 | 168.40 | | |
| 15 | 176.50 | 148.60 | 177.40 | 111.25 | 84.60 | 506.50 | 941.00 | 78.30 | 239.00 | 153.40 | 210.40 | 169.30 | | |
| 16 | 208.50 | 177.40 | 155.80 | 90.20 | 148.60 | 496.50 | 759.00 | 74.10 | 218.95 | 183.70 | 212.30 | 181.90 | | |
| 17 | 190.90 | 134.20 | 155.00 | 74.10 | 126.20 | 482.80 | 647.10 | 58.80 | 207.55 | 227.50 | 210.40 | 181.90 | | |
| 18 | 233.20 | 121.40 | 145.40 | 84.60 | 115.80 | 549.60 | 596.40 | 61.80 | 155.80 | 226.55 | 186.40 | 179.20 | | |
| 19 | 226.55 | 106.00 | 153.40 | 128.60 | 122.20 | 584.70 | 540.50 | 61.20 | 209.45 | 233.20 | 162.20 | 140.60 | | |
| 20 | 242.00 | 102.25 | 129.40 | 133.40 | 126.20 | 582.10 | 496.50 | 61.20 | 238.00 | 242.00 | 172.90 | 157.40 | | |
| 21 | 292.75 | 94.40 | 183.70 | 227.50 | 278.05 | 622.40 | 466.00 | 65.40 | 229.40 | 241.00 | 197.20 | 182.80 | | |
| 22 | 285.40 | 110.50 | 287.50 | 267.00 | 346.40 | 759.00 | 420.40 | 66.00 | 232.25 | 187.30 | 209.45 | 181.00 | | |
| 23 | 323.30 | 345.30 | 294.85 | 187.30 | 224.65 | 1007.70 | 383.20 | 65.40 | 233.20 | 204.70 | 199.95 | 184.60 | | |
| 24 | 263.00 | 936.80 | 292.75 | 121.40 | 165.70 | 1017.85 | 377.20 | 52.80 | 237.00 | 213.25 | 201.85 | 185.50 | | |
| 25 | 272.00 | 943.90 | 304.60 | 106.00 | 149.40 | 890.60 | 366.40 | 46.50 | 191.80 | 227.50 | 186.40 | 168.40 | | |
| 26 | 272.00 | 614.60 | 264.00 | 96.50 | 146.20 | 739.60 | 356.30 | 44.00 | 180.10 | 235.10 | 136.60 | 157.40 | | |
| 27 | 287.50 | 350.80 | 196.30 | 91.60 | 238.00 | 643.20 | 315.60 | 40.50 | 216.10 | 243.00 | 169.30 | 178.30 | | |
| 28 | 285.40 | 234.15 | 188.20 | 88.10 | 373.60 | 584.70 | 292.75 | 46.50 | 188.20 | 251.00 | 193.60 | 205.65 | | |
| 29 | 315.60 | 196.30 | 195.40 | 122.20 | 466.00 | 527.75 | 262.00 | 78.30 | 196.30 | 218.95 | | 214.20 | | |
| 30 | 306.80 | 181.90 | 196.30 | 96.50 | 481.60 | 531.50 | 221.80 | 79.00 | 218.95 | 230.35 | | 245.00 | | |
| 31 | | 162.20 | | 96.50 | 522.75 | | 240.00 | | 170.20 | 300.20 | | 271.00 | | |
| Total | 7431.90 | 7777.75 | 5849.45 | 3821.80 | 5739.75 | 17594.80 | 17242.05 | 3271.70 | 5818.60 | 6855.50 | 5866.40 | 5879.20 | 93148.90 | CMSDAY |
| Mean | 247.73 | 250.90 | 194.98 | 123.28 | 185.15 | 586.49 | 556.20 | 109.06 | 187.70 | 221.15 | 209.51 | 189.65 | 255.20 | CMS |
| Max | 323.30 | 943.90 | 304.60 | 267.00 | 522.75 | 1017.85 | 1013.50 | 305.70 | 242.00 | 300.20 | 311.20 | 271.00 | 1017.85 | CMS |
| Min | 176.50 | 94.40 | 127.80 | 66.00 | 32.50 | 227.50 | 221.80 | 40.50 | 78.30 | 149.40 | 136.60 | 140.60 | 32.50 | CMS |
| Runoff | 642.12 | 672.00 | 505.39 | 330.20 | 495.91 | 1520.19 | 1489.71 | 282.67 | 502.73 | 592.32 | 506.86 | 507.96 | 8048.06 | MCM |

Momentary Peak 1049.75 CMS. at 47.75 m. (MSL.) at 20.00 Hours , on Sep 23, 2006

Runoff Yield 13.18 Liters/Second/Square KM. Momentary Peak Yield 54.22 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Na Klam , Uttaradit (N.28A)

Lat 17 - 35 - 00 N Long 100 - 29 - 30 E

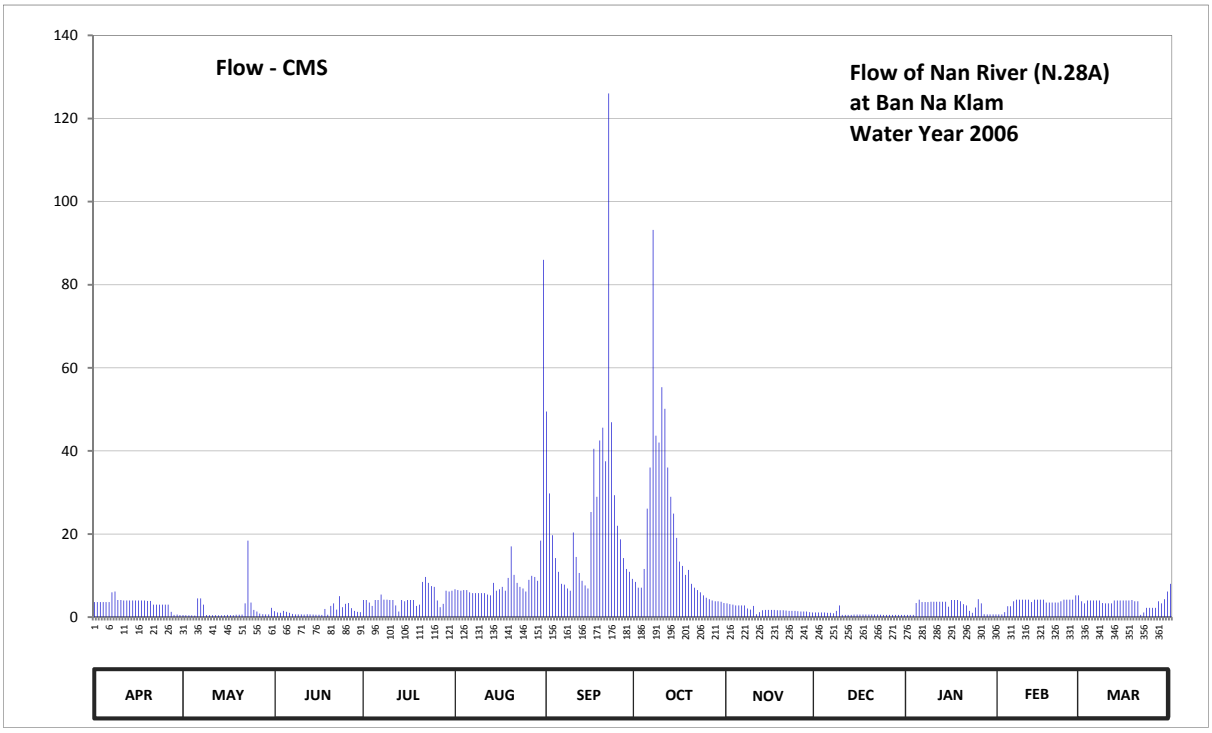
**Location : on right bank at Ban Na Klam.**

| | | | |
|---|---|---|---|
| | **Ban** Na Klam | **Amphoe** Nam Pat | **Changwat** Uttaradit |
| **Drainge Area** | 368 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank near the gage site. | | **Elevation** +5.757 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 31 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.73 | 1.33 | 1.49 | 1.78 | 1.93 | 3.10 | 2.02 | 1.70 | 1.45 | 1.35 | 1.39 | 1.75 | |
| 2 | 1.73 | 1.32 | 1.45 | 1.78 | 1.92 | 2.72 | 1.95 | 1.68 | 1.45 | 1.35 | 1.39 | 1.70 | |
| 3 | 1.73 | 1.31 | 1.44 | 1.72 | 1.91 | 2.44 | 1.95 | 1.67 | 1.45 | 1.35 | 1.46 | 1.77 | |
| 4 | 1.73 | 1.31 | 1.50 | 1.64 | 1.92 | 2.25 | 2.15 | 1.65 | 1.45 | 1.71 | 1.63 | 1.77 | |
| 5 | 1.73 | 1.30 | 1.47 | 1.78 | 1.92 | 2.12 | 2.63 | 1.65 | 1.44 | 1.79 | 1.63 | 1.77 | |
| 6 | 1.73 | 1.81 | 1.44 | 1.78 | 1.89 | 2.00 | 2.86 | 1.65 | 1.44 | 1.73 | 1.75 | 1.77 | |
| 7 | 1.89 | 1.81 | 1.41 | 1.86 | 1.88 | 1.99 | 3.56 | 1.65 | 1.43 | 1.73 | 1.79 | 1.77 | |
| 8 | 1.90 | 1.67 | 1.39 | 1.79 | 1.88 | 1.94 | 3.01 | 1.57 | 1.50 | 1.73 | 1.79 | 1.71 | |
| 9 | 1.78 | 1.33 | 1.38 | 1.79 | 1.88 | 1.91 | 2.98 | 1.54 | 1.65 | 1.74 | 1.79 | 1.70 | |
| 10 | 1.78 | 1.32 | 1.38 | 1.78 | 1.88 | 2.46 | 3.19 | 1.64 | 1.35 | 1.74 | 1.79 | 1.70 | |
| 11 | 1.77 | 1.32 | 1.37 | 1.78 | 1.88 | 2.26 | 3.11 | 1.40 | 1.34 | 1.74 | 1.79 | 1.70 | |
| 12 | 1.77 | 1.32 | 1.40 | 1.65 | 1.86 | 2.11 | 2.86 | 1.46 | 1.34 | 1.74 | 1.73 | 1.77 | |
| 13 | 1.77 | 1.31 | 1.38 | 1.48 | 1.85 | 2.03 | 2.70 | 1.52 | 1.35 | 1.74 | 1.79 | 1.77 | |
| 14 | 1.77 | 1.31 | 1.37 | 1.78 | 2.01 | 1.98 | 2.60 | 1.53 | 1.37 | 1.74 | 1.79 | 1.77 | |
| 15 | 1.77 | 1.32 | 1.36 | 1.75 | 1.91 | 1.94 | 2.42 | 1.53 | 1.37 | 1.62 | 1.79 | 1.77 | |
| 16 | 1.77 | 1.34 | 1.36 | 1.78 | 1.93 | 2.61 | 2.22 | 1.53 | 1.37 | 1.78 | 1.79 | 1.77 | |
| 17 | 1.77 | 1.32 | 1.35 | 1.78 | 1.96 | 2.95 | 2.18 | 1.53 | 1.37 | 1.78 | 1.72 | 1.77 | |
| 18 | 1.77 | 1.32 | 1.56 | 1.78 | 1.91 | 2.70 | 2.09 | 1.52 | 1.37 | 1.78 | 1.72 | 1.78 | |
| 19 | 1.76 | 1.36 | 1.36 | 1.64 | 2.06 | 2.99 | 2.14 | 1.52 | 1.37 | 1.75 | 1.72 | 1.75 | |
| 20 | 1.76 | 1.36 | 1.64 | 1.67 | 2.35 | 3.04 | 2.00 | 1.52 | 1.37 | 1.68 | 1.72 | 1.75 | |
| 21 | 1.67 | 1.37 | 1.70 | 2.02 | 2.09 | 2.89 | 1.95 | 1.51 | 1.37 | 1.65 | 1.72 | 1.35 | |
| 22 | 1.67 | 1.70 | 1.54 | 2.07 | 2.01 | 3.77 | 1.92 | 1.50 | 1.37 | 1.50 | 1.75 | 1.45 | |
| 23 | 1.67 | 2.40 | 1.84 | 2.01 | 1.96 | 3.06 | 1.89 | 1.50 | 1.36 | 1.44 | 1.79 | 1.59 | |
| 24 | 1.67 | 1.72 | 1.61 | 1.97 | 1.94 | 2.71 | 1.85 | 1.50 | 1.35 | 1.60 | 1.79 | 1.59 | |
| 25 | 1.67 | 1.53 | 1.69 | 1.96 | 1.90 | 2.51 | 1.82 | 1.49 | 1.35 | 1.80 | 1.79 | 1.59 | |
| 26 | 1.67 | 1.48 | 1.71 | 1.77 | 2.04 | 2.41 | 1.80 | 1.48 | 1.35 | 1.70 | 1.79 | 1.59 | |
| 27 | 1.47 | 1.42 | 1.58 | 1.61 | 2.08 | 2.25 | 1.77 | 1.48 | 1.35 | 1.40 | 1.85 | 1.75 | |
| 28 | 1.35 | 1.40 | 1.50 | 1.69 | 2.07 | 2.15 | 1.75 | 1.48 | 1.35 | 1.39 | 1.85 | 1.70 | |
| 29 | 1.37 | 1.38 | 1.47 | 1.91 | 2.03 | 2.12 | 1.75 | 1.46 | 1.35 | 1.39 | | 1.80 | |
| 30 | 1.33 | 1.38 | 1.46 | 1.90 | 2.40 | 2.05 | 1.74 | 1.45 | 1.35 | 1.39 | | 1.90 | |
| 31 | | 1.59 | | 1.91 | 3.50 | | 1.71 | | 1.35 | 1.39 | | 2.00 | |
| Mean | 1.70 | 1.46 | 1.49 | 1.79 | 2.02 | 2.45 | 2.28 | 1.54 | 1.39 | 1.62 | 1.72 | 1.72 | |
| Max | 1.90 | 2.40 | 1.84 | 2.07 | 3.50 | 3.77 | 3.56 | 1.70 | 1.65 | 1.80 | 1.85 | 2.00 | 3.77 |
| Min | 1.33 | 1.30 | 1.35 | 1.48 | 1.85 | 1.91 | 1.71 | 1.40 | 1.34 | 1.35 | 1.39 | 1.35 | 1.30 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 4.00 | m. (A.D.) , | at 09.00 Hours , on Sep 22 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.20 | m. (A.D.) |
| Left Bank Elevation | 5.53 | m. (A.D.) , | | | |
| Right Bank Elevation | 5.80 | m. (A.D.) , | Drainage Are | 368 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.60 | 0.49 | 1.42 | 4.10 | 6.71 | 49.50 | 8.48 | 3.30 | 1.10 | 0.55 | 0.67 | 3.80 | | |
| 2 | 3.60 | 0.46 | 1.10 | 4.10 | 6.52 | 29.76 | 7.08 | 3.10 | 1.10 | 0.55 | 0.67 | 3.30 | | |
| 3 | 3.60 | 0.43 | 1.02 | 3.50 | 6.34 | 19.70 | 7.08 | 3.00 | 1.10 | 0.55 | 1.18 | 4.00 | | |
| 4 | 3.60 | 0.43 | 1.50 | 2.70 | 6.52 | 14.20 | 11.60 | 2.80 | 1.10 | 3.40 | 2.60 | 4.00 | | |
| 5 | 3.60 | 0.40 | 1.26 | 4.10 | 6.52 | 10.88 | 26.12 | 2.80 | 1.02 | 4.20 | 2.60 | 4.00 | | |
| 6 | 3.60 | 4.49 | 1.02 | 4.10 | 5.97 | 8.00 | 36.00 | 2.80 | 1.02 | 3.60 | 3.80 | 4.00 | | |
| 7 | 5.97 | 4.49 | 0.78 | 5.41 | 5.78 | 7.82 | 93.20 | 2.80 | 0.94 | 3.60 | 4.20 | 4.00 | | |
| 8 | 6.15 | 3.00 | 0.67 | 4.20 | 5.78 | 6.89 | 43.65 | 2.06 | 1.50 | 3.60 | 4.20 | 3.40 | | |
| 9 | 4.10 | 0.49 | 0.64 | 4.20 | 5.78 | 6.34 | 42.00 | 1.82 | 2.80 | 3.70 | 4.20 | 3.30 | | |
| 10 | 4.10 | 0.46 | 0.64 | 4.10 | 5.78 | 20.35 | 55.35 | 2.70 | 0.55 | 3.70 | 4.20 | 3.30 | | |
| 11 | 4.00 | 0.46 | 0.61 | 4.10 | 5.78 | 14.48 | 50.15 | 0.70 | 0.52 | 3.70 | 4.20 | 3.30 | | |
| 12 | 4.00 | 0.46 | 0.70 | 2.80 | 5.41 | 10.64 | 36.00 | 1.18 | 0.52 | 3.70 | 3.60 | 4.00 | | |
| 13 | 4.00 | 0.43 | 0.64 | 1.34 | 5.23 | 8.72 | 28.95 | 1.66 | 0.55 | 3.70 | 4.20 | 4.00 | | |
| 14 | 4.00 | 0.43 | 0.61 | 4.10 | 8.24 | 7.63 | 24.90 | 1.74 | 0.61 | 3.70 | 4.20 | 4.00 | | |
| 15 | 4.00 | 0.46 | 0.58 | 3.80 | 6.34 | 6.89 | 19.05 | 1.74 | 0.61 | 2.50 | 4.20 | 4.00 | | |
| 16 | 4.00 | 0.52 | 0.58 | 4.10 | 6.71 | 25.31 | 13.36 | 1.74 | 0.61 | 4.10 | 4.20 | 4.00 | | |
| 17 | 4.00 | 0.46 | 0.55 | 4.10 | 7.26 | 40.50 | 12.32 | 1.74 | 0.61 | 4.10 | 3.50 | 4.00 | | |
| 18 | 4.00 | 0.46 | 1.98 | 4.10 | 6.34 | 28.95 | 10.16 | 1.66 | 0.61 | 4.10 | 3.50 | 4.10 | | |
| 19 | 3.90 | 0.58 | 0.58 | 2.70 | 9.44 | 42.50 | 11.36 | 1.66 | 0.61 | 3.80 | 3.50 | 3.80 | | |
| 20 | 3.90 | 0.58 | 2.70 | 3.00 | 17.00 | 45.60 | 8.00 | 1.66 | 0.61 | 3.10 | 3.50 | 3.80 | | |
| 21 | 3.00 | 0.61 | 3.30 | 8.48 | 10.16 | 37.50 | 7.08 | 1.58 | 0.61 | 2.80 | 3.50 | 0.55 | | |
| 22 | 3.00 | 3.30 | 1.82 | 9.68 | 8.24 | 126.05 | 6.52 | 1.50 | 0.61 | 1.50 | 3.80 | 1.10 | | |
| 23 | 3.00 | 18.40 | 5.04 | 8.24 | 7.26 | 46.90 | 5.97 | 1.50 | 0.58 | 1.02 | 4.20 | 2.22 | | |
| 24 | 3.00 | 3.50 | 2.40 | 7.45 | 6.89 | 29.36 | 5.23 | 1.50 | 0.55 | 2.30 | 4.20 | 2.22 | | |
| 25 | 3.00 | 1.74 | 3.20 | 7.26 | 6.15 | 21.98 | 4.67 | 1.42 | 0.55 | 4.30 | 4.20 | 2.22 | | |
| 26 | 3.00 | 1.34 | 3.40 | 4.00 | 8.96 | 18.73 | 4.30 | 1.34 | 0.55 | 3.30 | 4.20 | 2.22 | | |
| 27 | 1.26 | 0.86 | 2.14 | 2.40 | 9.92 | 14.20 | 4.00 | 1.34 | 0.55 | 0.70 | 5.23 | 3.80 | | |
| 28 | 0.55 | 0.70 | 1.50 | 3.20 | 9.68 | 11.60 | 3.80 | 1.34 | 0.55 | 0.67 | 5.23 | 3.30 | | |
| 29 | 0.61 | 0.64 | 1.26 | 6.34 | 8.72 | 10.88 | 3.80 | 1.18 | 0.55 | 0.67 | | 4.30 | | |
| 30 | 0.49 | 0.64 | 1.18 | 6.15 | 18.40 | 9.20 | 3.70 | 1.10 | 0.55 | 0.67 | | 6.15 | | |
| 31 | | 2.22 | | 6.34 | 86.00 | | 3.40 | | 0.55 | 0.67 | | 8.00 | | |
| Total | 102.63 | 53.93 | 44.82 | 144.19 | 319.83 | 731.06 | 597.28 | 56.46 | 24.29 | 82.55 | 101.48 | 112.18 | 2370.70 | CMSDAY |
| Mean | 3.42 | 1.74 | 1.49 | 4.65 | 10.32 | 24.37 | 19.27 | 1.88 | 0.78 | 2.66 | 3.62 | 3.62 | 6.50 | CMS |
| Max | 6.15 | 18.40 | 5.04 | 9.68 | 86.00 | 126.05 | 93.20 | 3.30 | 2.80 | 4.30 | 5.23 | 8.00 | 126.05 | CMS |
| Min | 0.49 | 0.40 | 0.55 | 1.34 | 5.23 | 6.34 | 3.40 | 0.70 | 0.52 | 0.55 | 0.67 | 0.55 | 0.40 | CMS |
| Runoff | 8.87 | 4.66 | 3.87 | 12.46 | 27.63 | 63.16 | 51.60 | 4.88 | 2.10 | 7.13 | 8.77 | 9.69 | 204.83 | MCM |

Momentary Peak 180.00 CMS. at 4.00 m. (A.D.) at 09.00 Hours , on Sep 22 , 2006

Runoff Yield 17.65 Liters/Second/Square KM. Momentary Peak Yield 489.13 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khwae Noi River at Ban Nong Krathao , Phitsanulok (N.36)

Lat 17 - 04 - 59 N Long 100 - 49 - 44 E

**Location : on left bank about 50 meters upstream from the bridge along Lom Sak - Nakhon Thai Road, Tambon Nong Krathao.**

**Ban** Nong Krathao **Amphoe** Nakhon Thai **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 1,710 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +191.880 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank along the measuring line. **Elevation** +200.293 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1967 to date |
| **Rating Operation** | |
| **Period of Rating** | 1971 - 1979 , 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1971 - 1979 , 1993 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

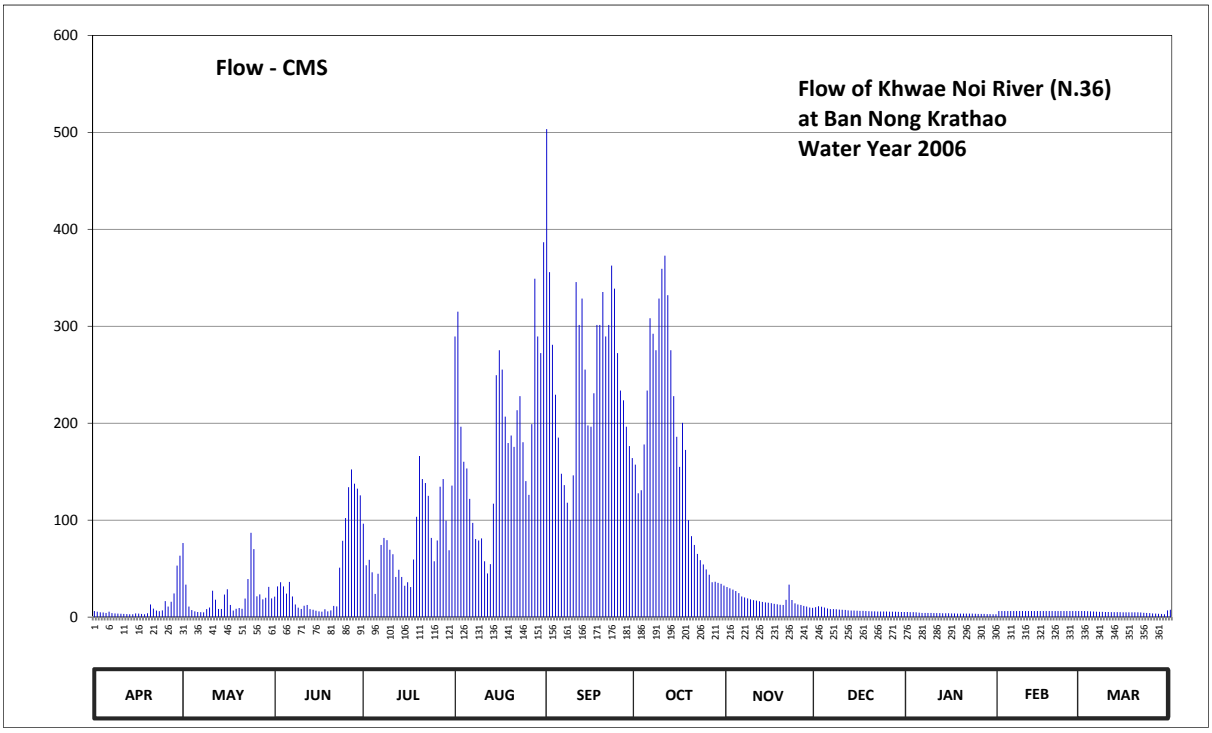
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 193.44 | 196.53 | 194.48 | 197.03 | 199.17 | 199.60 | 198.23 | 195.00 | 193.80 | 193.34 | 193.44 | 193.45 | |
| 2 | 193.37 | 195.11 | 195.03 | 195.83 | 199.25 | 199.37 | 197.69 | 194.94 | 193.87 | 193.33 | 193.44 | 193.45 | |
| 3 | 193.31 | 193.85 | 195.22 | 196.02 | 198.68 | 199.14 | 197.75 | 194.88 | 193.83 | 193.32 | 193.44 | 193.43 | |
| 4 | 193.28 | 193.54 | 195.03 | 195.59 | 198.27 | 198.92 | 198.50 | 194.82 | 193.77 | 193.30 | 193.44 | 193.41 | |
| 5 | 193.23 | 193.42 | 194.67 | 194.65 | 198.17 | 198.59 | 198.95 | 194.70 | 193.69 | 193.27 | 193.44 | 193.39 | |
| 6 | 193.37 | 193.34 | 195.23 | 195.54 | 197.58 | 198.07 | 199.23 | 194.49 | 193.64 | 193.24 | 193.44 | 193.37 | |
| 7 | 193.22 | 193.33 | 194.49 | 196.48 | 197.05 | 197.85 | 199.18 | 194.43 | 193.63 | 193.24 | 193.44 | 193.36 | |
| 8 | 193.18 | 193.30 | 193.99 | 196.67 | 196.64 | 197.50 | 199.12 | 194.37 | 193.62 | 193.24 | 193.44 | 193.36 | |
| 9 | 193.16 | 193.64 | 193.76 | 196.61 | 196.60 | 197.11 | 199.29 | 194.31 | 193.60 | 193.23 | 193.44 | 193.35 | |
| 10 | 193.14 | 193.77 | 193.65 | 196.34 | 196.66 | 198.04 | 199.38 | 194.26 | 193.58 | 193.22 | 193.44 | 193.34 | |
| 11 | 193.12 | 194.83 | 193.90 | 196.21 | 195.97 | 199.34 | 199.41 | 194.23 | 193.56 | 193.21 | 193.44 | 193.33 | |
| 12 | 193.11 | 194.29 | 193.96 | 195.43 | 195.55 | 199.21 | 199.30 | 194.19 | 193.52 | 193.21 | 193.44 | 193.33 | |
| 13 | 193.09 | 193.65 | 193.64 | 195.68 | 195.87 | 199.29 | 199.12 | 194.15 | 193.50 | 193.20 | 193.44 | 193.32 | |
| 14 | 193.08 | 193.65 | 193.57 | 195.43 | 197.48 | 199.05 | 198.91 | 194.12 | 193.49 | 193.20 | 193.44 | 193.32 | |
| 15 | 193.17 | 194.61 | 193.48 | 195.06 | 199.03 | 198.69 | 198.60 | 194.10 | 193.48 | 193.20 | 193.44 | 193.31 | |
| 16 | 193.15 | 194.90 | 193.42 | 195.22 | 199.12 | 198.68 | 198.20 | 194.07 | 193.47 | 193.18 | 193.44 | 193.31 | |
| 17 | 193.12 | 193.95 | 193.38 | 195.00 | 199.05 | 198.93 | 198.71 | 194.03 | 193.46 | 193.17 | 193.44 | 193.31 | |
| 18 | 193.09 | 193.50 | 193.62 | 196.03 | 198.76 | 199.21 | 198.43 | 194.00 | 193.44 | 193.15 | 193.44 | 193.30 | |
| 19 | 193.19 | 193.67 | 193.41 | 197.19 | 198.52 | 199.21 | 197.11 | 193.97 | 193.43 | 193.15 | 193.44 | 193.31 | |
| 20 | 193.99 | 193.73 | 193.51 | 198.35 | 198.61 | 199.31 | 196.72 | 193.95 | 193.42 | 193.15 | 193.44 | 193.31 | |
| 21 | 193.68 | 193.67 | 193.89 | 197.97 | 198.47 | 199.17 | 196.48 | 194.28 | 193.41 | 193.16 | 193.44 | 193.28 | |
| 22 | 193.49 | 194.36 | 193.86 | 197.89 | 198.81 | 199.21 | 196.22 | 195.11 | 193.40 | 193.15 | 193.44 | 193.25 | |
| 23 | 193.43 | 195.35 | 195.75 | 197.64 | 198.91 | 199.39 | 196.01 | 194.27 | 193.40 | 193.15 | 193.44 | 193.23 | |
| 24 | 193.51 | 196.81 | 196.59 | 196.67 | 198.53 | 199.32 | 195.86 | 194.06 | 193.39 | 193.14 | 193.44 | 193.21 | |
| 25 | 194.20 | 196.36 | 197.16 | 195.97 | 197.93 | 199.11 | 195.69 | 193.99 | 193.39 | 193.13 | 193.44 | 193.18 | |
| 26 | 193.84 | 194.50 | 197.81 | 196.60 | 197.66 | 198.95 | 195.51 | 193.95 | 193.38 | 193.13 | 193.44 | 193.16 | |
| 27 | 194.16 | 194.62 | 198.15 | 197.82 | 198.70 | 198.88 | 195.22 | 193.89 | 193.38 | 193.12 | 193.44 | 193.14 | |
| 28 | 194.68 | 194.31 | 197.88 | 197.97 | 199.35 | 198.68 | 195.24 | 193.84 | 193.37 | 193.11 | 193.44 | 193.12 | |
| 29 | 195.82 | 194.41 | 197.78 | 197.10 | 199.17 | 198.48 | 195.19 | 193.78 | 193.36 | 193.10 | | 193.09 | |
| 30 | 196.16 | 195.01 | 197.65 | 196.33 | 199.11 | 198.32 | 195.15 | 193.75 | 193.35 | 193.09 | | 193.51 | |
| 31 | | 194.37 | | 197.84 | 199.43 | | 195.07 | | 193.34 | 193.08 | | 193.57 | |
| Mean | 193.59 | 194.33 | 194.93 | 196.46 | 198.13 | 198.82 | 197.53 | 194.26 | 193.52 | 193.19 | 193.44 | 193.32 | |
| Max | 196.16 | 196.81 | 198.15 | 198.35 | 199.43 | 199.60 | 199.41 | 195.11 | 193.87 | 193.34 | 193.44 | 193.57 | 199.60 |
| Min | 193.08 | 193.30 | 193.38 | 194.65 | 195.55 | 197.11 | 195.07 | 193.75 | 193.34 | 193.08 | 193.44 | 193.09 | 193.08 |

Annual Max Momentary Gage Height 199.69 m. (MSL.) , at 24.00 Hours , on Aug 31, 2006

Zero Gage at Bottom Elevation 191.88 m. (MSL.) , River Bed 191.78 m. (MSL.)

Left Bank Elevation 199.98 m. (MSL.) ,

Right Bank Elevation 199.98 m. (MSL.) , Drainage Are 1,710 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.20 | 76.38 | 21.12 | 96.35 | 289.45 | 503.34 | 157.25 | 31.00 | 10.20 | 5.26 | 6.20 | 6.30 | | |
| 2 | 5.53 | 33.48 | 31.68 | 53.40 | 315.00 | 355.80 | 127.73 | 29.65 | 11.25 | 5.17 | 6.20 | 6.30 | | |
| 3 | 4.99 | 10.95 | 36.00 | 59.10 | 196.40 | 280.90 | 130.88 | 28.30 | 10.65 | 5.08 | 6.20 | 6.10 | | |
| 4 | 4.72 | 7.20 | 31.68 | 46.20 | 160.25 | 229.40 | 178.00 | 26.95 | 9.84 | 4.90 | 6.20 | 5.90 | | |
| 5 | 4.27 | 6.00 | 24.29 | 23.95 | 153.35 | 185.20 | 233.75 | 24.80 | 8.88 | 4.63 | 6.20 | 5.71 | | |
| 6 | 5.53 | 5.26 | 36.25 | 44.70 | 122.00 | 147.85 | 308.20 | 21.29 | 8.28 | 4.36 | 6.20 | 5.53 | | |
| 7 | 4.18 | 5.17 | 21.29 | 74.50 | 97.25 | 136.13 | 292.30 | 20.30 | 8.16 | 4.36 | 6.20 | 5.44 | | |
| 8 | 3.82 | 4.90 | 13.05 | 81.63 | 80.50 | 118.00 | 275.20 | 19.31 | 8.04 | 4.36 | 6.20 | 5.44 | | |
| 9 | 3.64 | 8.28 | 9.72 | 79.38 | 79.00 | 99.95 | 328.60 | 18.32 | 7.80 | 4.27 | 6.20 | 5.35 | | |
| 10 | 3.46 | 9.84 | 8.40 | 69.40 | 81.25 | 146.20 | 359.20 | 17.49 | 7.60 | 4.18 | 6.20 | 5.26 | | |
| 11 | 3.28 | 27.18 | 11.70 | 64.85 | 57.60 | 345.60 | 372.87 | 17.00 | 7.40 | 4.09 | 6.20 | 5.17 | | |
| 12 | 3.19 | 17.99 | 12.60 | 41.40 | 45.00 | 301.40 | 332.00 | 16.34 | 7.00 | 4.09 | 6.20 | 5.17 | | |
| 13 | 3.01 | 8.40 | 8.28 | 48.90 | 54.60 | 328.60 | 275.20 | 15.68 | 6.80 | 4.00 | 6.20 | 5.08 | | |
| 14 | 2.92 | 8.40 | 7.50 | 41.40 | 117.00 | 255.25 | 227.95 | 15.18 | 6.70 | 4.00 | 6.20 | 5.08 | | |
| 15 | 3.73 | 23.27 | 6.60 | 32.35 | 249.55 | 197.70 | 186.00 | 14.85 | 6.60 | 4.00 | 6.20 | 4.99 | | |
| 16 | 3.55 | 28.75 | 6.00 | 36.00 | 275.20 | 196.40 | 155.00 | 14.36 | 6.50 | 3.82 | 6.20 | 4.99 | | |
| 17 | 3.28 | 12.45 | 5.62 | 31.00 | 255.25 | 230.85 | 200.30 | 13.70 | 6.40 | 3.73 | 6.20 | 4.99 | | |
| 18 | 3.01 | 6.80 | 8.04 | 59.40 | 206.80 | 301.40 | 172.40 | 13.20 | 6.20 | 3.55 | 6.20 | 4.90 | | |
| 19 | 3.91 | 8.64 | 5.90 | 103.55 | 179.60 | 301.40 | 99.95 | 12.75 | 6.10 | 3.55 | 6.20 | 4.99 | | |
| 20 | 13.05 | 9.36 | 6.90 | 166.25 | 187.30 | 335.40 | 83.50 | 12.45 | 6.00 | 3.55 | 6.20 | 4.99 | | |
| 21 | 8.76 | 8.64 | 11.55 | 142.43 | 175.60 | 289.45 | 74.50 | 17.82 | 5.90 | 3.64 | 6.20 | 4.72 | | |
| 22 | 6.70 | 19.14 | 11.10 | 138.23 | 213.45 | 301.40 | 65.20 | 33.48 | 5.80 | 3.55 | 6.20 | 4.45 | | |
| 23 | 6.10 | 39.25 | 51.00 | 125.10 | 227.95 | 362.60 | 58.80 | 17.66 | 5.80 | 3.55 | 6.20 | 4.27 | | |
| 24 | 6.90 | 86.93 | 78.63 | 81.63 | 180.40 | 338.80 | 54.30 | 14.19 | 5.71 | 3.46 | 6.20 | 4.09 | | |
| 25 | 16.50 | 70.10 | 102.20 | 57.60 | 140.33 | 272.35 | 49.20 | 13.05 | 5.71 | 3.37 | 6.20 | 3.82 | | |
| 26 | 10.80 | 21.45 | 134.03 | 79.00 | 126.15 | 233.75 | 43.80 | 12.45 | 5.62 | 3.37 | 6.20 | 3.64 | | |
| 27 | 15.84 | 23.44 | 152.25 | 134.55 | 199.00 | 223.60 | 36.00 | 11.55 | 5.62 | 3.28 | 6.20 | 3.46 | | |
| 28 | 24.46 | 18.32 | 137.70 | 142.43 | 349.00 | 196.40 | 36.50 | 10.80 | 5.53 | 3.19 | 6.20 | 3.28 | | |
| 29 | 53.10 | 19.97 | 132.45 | 99.50 | 289.45 | 176.40 | 35.28 | 9.96 | 5.44 | 3.10 | | 3.01 | | |
| 30 | 63.30 | 31.23 | 125.63 | 69.05 | 272.35 | 164.00 | 34.38 | 9.60 | 5.35 | 3.01 | | 6.90 | | |
| 31 | | 19.31 | | 135.60 | 386.60 | | 32.58 | | 5.26 | 2.92 | | 7.50 | | |
| Total | 301.73 | 676.48 | 1249.16 | 2458.83 | 5762.63 | 7555.52 | 5016.82 | 533.48 | 218.14 | 121.39 | 173.60 | 156.82 | 24224.60 | CMSDAY |
| Mean | 10.06 | 21.82 | 41.64 | 79.32 | 185.89 | 251.85 | 161.83 | 17.78 | 7.04 | 3.92 | 6.20 | 5.06 | 66.37 | CMS |
| Max | 63.30 | 86.93 | 152.25 | 166.25 | 386.60 | 503.34 | 372.87 | 33.48 | 11.25 | 5.26 | 6.20 | 7.50 | 503.34 | CMS |
| Min | 2.92 | 4.90 | 5.62 | 23.95 | 45.00 | 99.95 | 32.58 | 9.60 | 5.26 | 2.92 | 6.20 | 3.01 | 2.92 | CMS |
| Runoff | 26.07 | 58.45 | 107.93 | 212.44 | 497.89 | 652.80 | 433.45 | 46.09 | 18.85 | 10.49 | 15.00 | 13.55 | 2093.01 | MCM |

Momentary Peak 565.14 CMS. at 199.69 m. (MSL.) at 24.00 Hours , on Aug 31, 2006

Runoff Yield 38.81 Liters/Second/Square KM. Momentary Peak Yield 330.49 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khwae Noi River at Ban Nong Bon, Phitsanulok (N.40)

Lat 17 - 13 - 07 N Long 100 - 21 - 14 E

**Location : on left bank about 2 kilometers upstream, Ban Nong Bon.**

**Ban** Nong Bon **Amphoe** Wat Bot **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 4,264 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +47.450 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank near the gage site. **Elevation** +61.392 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1967 -1968, 1972 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1977 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1977 to date. |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

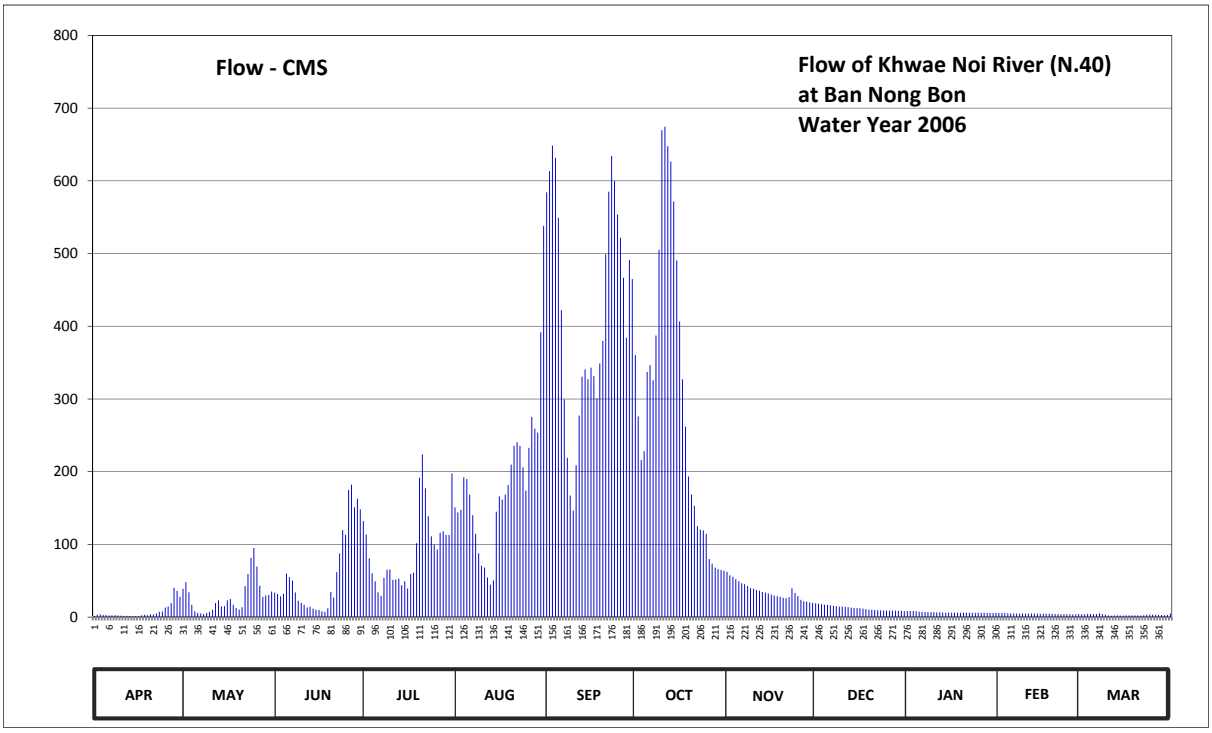
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47.97 | 49.75 | 49.57 | 51.98 | 52.33 | 58.14 | 55.55 | 50.42 | 49.04 | 48.51 | 48.33 | 48.20 | |
| 2 | 48.16 | 50.05 | 49.51 | 51.61 | 52.20 | 58.44 | 54.36 | 50.30 | 49.02 | 48.50 | 48.33 | 48.18 | |
| 3 | 48.18 | 49.59 | 49.40 | 50.88 | 52.27 | 58.79 | 53.46 | 50.25 | 48.99 | 48.50 | 48.31 | 48.25 | |
| 4 | 48.10 | 48.95 | 49.51 | 50.37 | 53.07 | 58.62 | 53.65 | 50.16 | 48.96 | 48.49 | 48.30 | 48.21 | |
| 5 | 48.09 | 48.48 | 50.36 | 50.08 | 53.03 | 57.78 | 55.23 | 50.08 | 48.93 | 48.46 | 48.28 | 48.20 | |
| 6 | 48.05 | 48.34 | 50.24 | 49.59 | 52.65 | 56.35 | 55.36 | 50.00 | 48.91 | 48.44 | 48.27 | 48.21 | |
| 7 | 48.03 | 48.28 | 50.11 | 49.42 | 52.13 | 54.70 | 55.07 | 49.96 | 48.88 | 48.43 | 48.27 | 48.30 | |
| 8 | 48.06 | 48.23 | 49.58 | 50.21 | 51.63 | 53.51 | 55.91 | 49.87 | 48.86 | 48.42 | 48.27 | 48.22 | |
| 9 | 48.05 | 48.33 | 49.18 | 50.49 | 51.05 | 52.63 | 57.30 | 49.78 | 48.83 | 48.42 | 48.26 | 48.14 | |
| 10 | 48.00 | 48.44 | 49.06 | 50.50 | 50.63 | 52.25 | 59.00 | 49.75 | 48.82 | 48.42 | 48.26 | 48.05 | |
| 11 | 47.98 | 48.60 | 48.95 | 50.13 | 50.57 | 53.35 | 59.05 | 49.70 | 48.80 | 48.41 | 48.26 | 48.00 | |
| 12 | 47.97 | 49.05 | 48.76 | 50.15 | 50.22 | 54.38 | 58.78 | 49.66 | 48.78 | 48.40 | 48.26 | 48.05 | |
| 13 | 47.95 | 49.20 | 48.81 | 50.18 | 49.93 | 55.14 | 58.57 | 49.60 | 48.75 | 48.39 | 48.26 | 48.04 | |
| 14 | 47.93 | 48.85 | 48.68 | 49.91 | 50.11 | 55.28 | 58.01 | 49.57 | 48.73 | 48.38 | 48.25 | 48.03 | |
| 15 | 47.92 | 48.86 | 48.61 | 50.08 | 52.22 | 55.09 | 57.13 | 49.53 | 48.71 | 48.38 | 48.25 | 48.02 | |
| 16 | 47.94 | 49.20 | 48.59 | 49.76 | 52.61 | 55.31 | 56.17 | 49.48 | 48.70 | 48.37 | 48.25 | 48.05 | |
| 17 | 48.04 | 49.27 | 48.48 | 50.35 | 52.53 | 55.15 | 55.09 | 49.44 | 48.68 | 48.37 | 48.24 | 48.04 | |
| 18 | 48.13 | 48.95 | 48.44 | 50.39 | 52.65 | 54.72 | 54.16 | 49.40 | 48.65 | 48.36 | 48.24 | 48.04 | |
| 19 | 48.07 | 48.73 | 48.70 | 51.36 | 52.89 | 55.39 | 53.09 | 49.37 | 48.62 | 48.36 | 48.23 | 48.03 | |
| 20 | 48.17 | 48.62 | 49.60 | 53.06 | 53.36 | 55.81 | 52.66 | 49.33 | 48.61 | 48.36 | 48.22 | 48.03 | |
| 21 | 48.17 | 48.78 | 49.34 | 53.58 | 53.76 | 57.23 | 52.37 | 49.31 | 48.59 | 48.35 | 48.21 | 48.02 | |
| 22 | 48.27 | 49.87 | 50.41 | 52.81 | 53.84 | 58.15 | 51.85 | 49.36 | 48.57 | 48.35 | 48.20 | 48.06 | |
| 23 | 48.44 | 50.35 | 51.04 | 52.10 | 53.76 | 58.65 | 51.75 | 49.77 | 48.55 | 48.35 | 48.20 | 48.13 | |
| 24 | 48.47 | 50.90 | 51.74 | 51.56 | 53.30 | 58.30 | 51.73 | 49.56 | 48.54 | 48.35 | 48.19 | 48.15 | |
| 25 | 48.76 | 51.21 | 51.60 | 51.32 | 52.75 | 57.83 | 51.63 | 49.42 | 48.54 | 48.37 | 48.19 | 48.14 | |
| 26 | 48.84 | 50.60 | 52.77 | 51.17 | 53.72 | 57.48 | 50.86 | 49.23 | 48.54 | 48.36 | 48.18 | 48.11 | |
| 27 | 49.05 | 49.89 | 52.90 | 51.66 | 54.35 | 56.86 | 50.70 | 49.15 | 48.54 | 48.35 | 48.17 | 48.11 | |
| 28 | 49.80 | 49.37 | 52.33 | 51.71 | 54.12 | 55.87 | 50.56 | 49.13 | 48.53 | 48.34 | 48.22 | 48.08 | |
| 29 | 49.65 | 49.44 | 52.55 | 51.60 | 54.04 | 57.14 | 50.51 | 49.08 | 48.52 | 48.34 | | 48.05 | |
| 30 | 49.39 | 49.46 | 52.28 | 51.60 | 55.97 | 56.84 | 50.48 | 49.06 | 48.52 | 48.34 | | 48.08 | |
| 31 | | 49.62 | | 53.16 | 57.66 | | 50.46 | | 48.51 | 48.33 | | 48.27 | |
| Mean | 48.32 | 49.27 | 50.04 | 51.06 | 52.75 | 56.17 | 54.21 | 49.62 | 48.72 | 48.39 | 48.25 | 48.11 | |
| Max | 49.80 | 51.21 | 52.90 | 53.58 | 57.66 | 58.79 | 59.05 | 50.42 | 49.04 | 48.51 | 48.33 | 48.30 | 59.05 |
| Min | 47.92 | 48.23 | 48.44 | 49.42 | 49.93 | 52.25 | 50.46 | 49.06 | 48.51 | 48.33 | 48.17 | 48.00 | 47.92 |

Annual Max Momentary Gage Height 59.17 m. (MSL.) , at 06.00 Hours , on Oct 11, 2006

Zero Gage at Bottom Elevation 47.45 m. (MSL.) , River Bed 46.39 m. (MSL.)

Left Bank Elevation 60.74 m. (MSL.) ,

Right Bank Elevation 59.86 m. (MSL.) , Drainage Are 4,264 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.70 | 39.00 | 33.60 | 132.14 | 150.89 | 584.15 | 360.38 | 62.30 | 19.00 | 8.43 | 5.63 | 4.00 | | |
| 2 | 3.60 | 48.25 | 31.80 | 113.48 | 143.93 | 613.50 | 275.90 | 57.50 | 18.50 | 8.25 | 5.63 | 3.80 | | |
| 3 | 3.80 | 34.20 | 28.50 | 80.70 | 147.68 | 648.50 | 215.90 | 55.50 | 17.80 | 8.25 | 5.38 | 4.63 | | |
| 4 | 3.00 | 17.00 | 31.80 | 60.30 | 192.20 | 631.50 | 228.25 | 52.10 | 17.20 | 8.08 | 5.25 | 4.13 | | |
| 5 | 2.90 | 7.90 | 59.90 | 49.30 | 189.80 | 549.15 | 337.18 | 49.30 | 16.60 | 7.55 | 5.00 | 4.00 | | |
| 6 | 2.50 | 5.75 | 55.10 | 34.20 | 168.25 | 422.13 | 346.60 | 46.50 | 16.20 | 7.20 | 4.88 | 4.13 | | |
| 7 | 2.30 | 5.00 | 50.35 | 29.10 | 140.18 | 299.50 | 325.58 | 45.30 | 15.60 | 7.03 | 4.88 | 5.25 | | |
| 8 | 2.60 | 4.38 | 33.90 | 53.90 | 114.43 | 219.15 | 387.25 | 42.60 | 15.20 | 6.85 | 4.88 | 4.25 | | |
| 9 | 2.50 | 5.63 | 22.50 | 65.10 | 87.75 | 167.15 | 505.25 | 39.90 | 14.60 | 6.85 | 4.75 | 3.40 | | |
| 10 | 2.00 | 7.20 | 19.50 | 65.50 | 70.70 | 146.61 | 669.50 | 39.00 | 14.40 | 6.85 | 4.75 | 2.50 | | |
| 11 | 1.80 | 10.00 | 17.00 | 51.05 | 68.30 | 209.00 | 674.50 | 37.50 | 14.00 | 6.68 | 4.75 | 2.00 | | |
| 12 | 1.70 | 19.25 | 13.20 | 51.75 | 54.30 | 277.28 | 647.50 | 36.30 | 13.60 | 6.50 | 4.75 | 2.50 | | |
| 13 | 1.50 | 23.00 | 14.20 | 52.80 | 44.40 | 330.65 | 626.50 | 34.50 | 13.00 | 6.38 | 4.75 | 2.40 | | |
| 14 | 1.30 | 15.00 | 11.60 | 43.80 | 50.35 | 340.80 | 571.48 | 33.60 | 12.60 | 6.25 | 4.63 | 2.30 | | |
| 15 | 1.20 | 15.20 | 10.20 | 49.30 | 145.00 | 327.03 | 490.38 | 32.40 | 12.20 | 6.25 | 4.63 | 2.20 | | |
| 16 | 1.40 | 23.00 | 9.83 | 39.30 | 166.05 | 342.98 | 406.75 | 30.90 | 12.00 | 6.13 | 4.63 | 2.50 | | |
| 17 | 2.40 | 24.93 | 7.90 | 59.50 | 161.65 | 331.38 | 327.03 | 29.70 | 11.60 | 6.13 | 4.50 | 2.40 | | |
| 18 | 3.30 | 17.00 | 7.20 | 61.10 | 168.25 | 300.90 | 262.07 | 28.50 | 11.00 | 6.00 | 4.50 | 2.40 | | |
| 19 | 2.70 | 12.60 | 12.00 | 101.70 | 181.68 | 348.78 | 193.40 | 27.68 | 10.40 | 6.00 | 4.38 | 2.30 | | |
| 20 | 3.70 | 10.40 | 34.50 | 191.60 | 209.60 | 379.75 | 168.80 | 26.58 | 10.20 | 6.00 | 4.25 | 2.30 | | |
| 21 | 3.70 | 13.60 | 26.85 | 223.70 | 235.40 | 499.13 | 153.04 | 26.03 | 9.83 | 5.88 | 4.13 | 2.20 | | |
| 22 | 4.88 | 42.60 | 61.90 | 177.08 | 240.60 | 585.13 | 125.18 | 27.40 | 9.48 | 5.88 | 4.00 | 2.60 | | |
| 23 | 7.20 | 59.50 | 87.30 | 138.57 | 235.40 | 634.50 | 120.13 | 39.60 | 9.13 | 5.88 | 4.00 | 3.30 | | |
| 24 | 7.73 | 81.50 | 119.65 | 111.10 | 206.00 | 599.75 | 119.18 | 33.30 | 8.95 | 5.88 | 3.90 | 3.50 | | |
| 25 | 13.20 | 94.95 | 113.00 | 99.90 | 173.75 | 553.93 | 114.43 | 29.10 | 8.95 | 6.13 | 3.90 | 3.40 | | |
| 26 | 14.80 | 69.50 | 174.85 | 93.15 | 232.80 | 521.40 | 79.90 | 23.83 | 8.95 | 6.00 | 3.80 | 3.10 | | |
| 27 | 19.25 | 43.20 | 182.25 | 115.85 | 275.21 | 466.75 | 73.50 | 21.75 | 8.95 | 5.88 | 3.70 | 3.10 | | |
| 28 | 40.50 | 27.68 | 150.89 | 118.23 | 259.30 | 384.25 | 67.90 | 21.25 | 8.78 | 5.75 | 4.25 | 2.80 | | |
| 29 | 36.00 | 29.70 | 162.75 | 113.00 | 253.77 | 491.25 | 65.90 | 20.00 | 8.60 | 5.75 | | 2.50 | | |
| 30 | 28.23 | 30.30 | 148.21 | 113.00 | 391.75 | 465.00 | 64.70 | 19.50 | 8.60 | 5.75 | | 2.80 | | |
| 31 | | 35.10 | | 197.60 | 538.05 | | 63.90 | | 8.43 | 5.63 | | 4.88 | | |
| Total | 223.39 | 872.32 | 1732.23 | 2886.80 | 5697.42 | 12670.98 | 9067.96 | 1069.42 | 384.35 | 202.07 | 128.48 | 97.57 | 35032.99 | CMSDAY |
| Mean | 7.45 | 28.14 | 57.74 | 93.12 | 183.79 | 422.37 | 292.51 | 35.65 | 12.40 | 6.52 | 4.59 | 3.15 | 95.98 | CMS |
| Max | 40.50 | 94.95 | 182.25 | 223.70 | 538.05 | 648.50 | 674.50 | 62.30 | 19.00 | 8.43 | 5.63 | 5.25 | 674.50 | CMS |
| Min | 1.20 | 4.38 | 7.20 | 29.10 | 44.40 | 146.61 | 63.90 | 19.50 | 8.43 | 5.63 | 3.70 | 2.00 | 1.20 | CMS |
| Runoff | 19.30 | 75.37 | 149.66 | 249.42 | 492.26 | 1094.77 | 783.47 | 92.40 | 33.21 | 17.46 | 11.10 | 8.43 | 3026.85 | MCM |

Momentary Peak 686.50 CMS. at 59.17 m. (MSL.) at 06.00 Hours , on Oct 11, 2006

Runoff Yield 22.51 Liters/Second/Square KM. Momentary Peak Yield 161.00 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Yao at Ban Nam Yao , Nan (N.49)

Lat 18 - 59 - 33 N Long 100 - 56 - 36 E

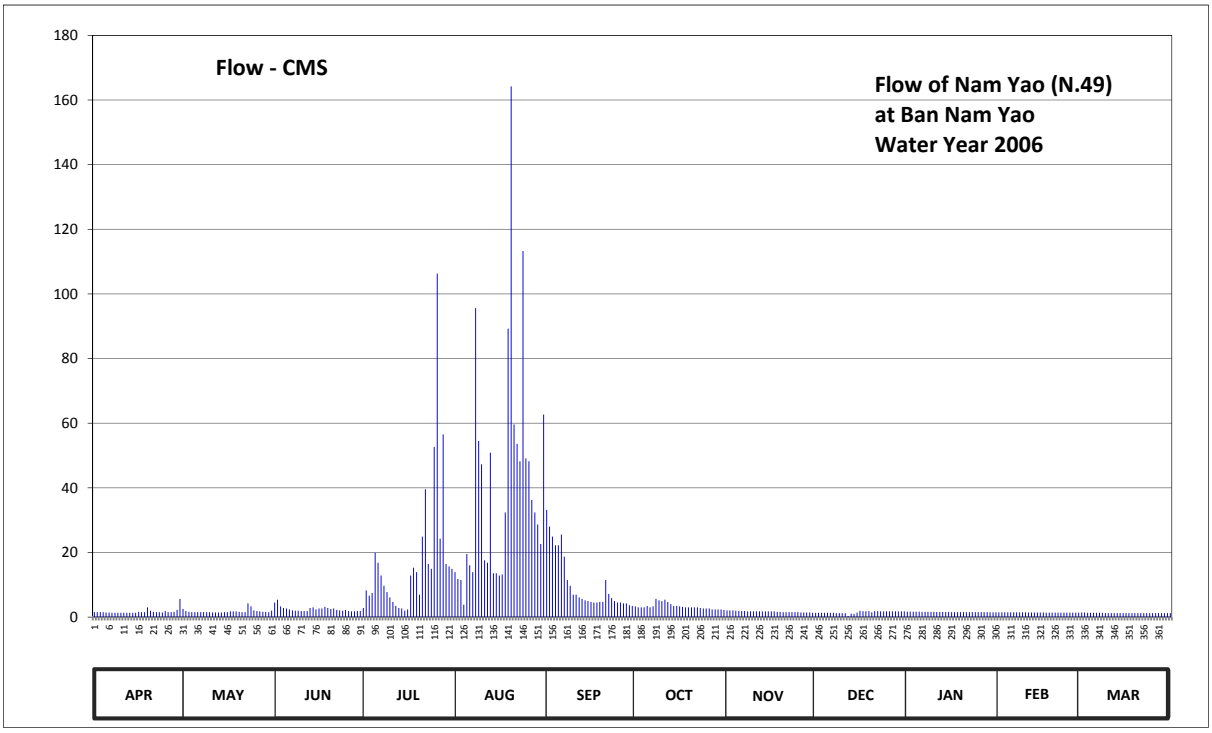
**Location : on right bank downstream of the bridge of Nam Yao, along Pua - Sila Phet Road.**

| | | | |
|---|---|---|---|
| | **Ban** Nam Yao | **Amphoe** Pua | **Changwat** Nan |
| **Drainge Area** | 153 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +263.983 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 15 meters from the top staff gage. | **Elevation** +270.035 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1979 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1979 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1979 to date | | |
| **Stability of Channel Regimes** | Rather unstable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 23 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 265.24 | 265.32 | 265.43 | 265.34 | 265.76 | 266.15 | 265.37 | 265.29 | 265.22 | 265.53 | 265.48 | 265.47 | |
| 2 | 265.24 | 265.27 | 265.47 | 265.58 | 265.70 | 266.08 | 265.35 | 265.29 | 265.22 | 265.53 | 265.48 | 265.47 | |
| 3 | 265.24 | 265.25 | 265.37 | 265.52 | 265.69 | 266.03 | 265.35 | 265.29 | 265.22 | 265.53 | 265.48 | 265.45 | |
| 4 | 265.24 | 265.24 | 265.34 | 265.55 | 265.40 | 265.98 | 265.35 | 265.28 | 265.22 | 265.53 | 265.48 | 265.45 | |
| 5 | 265.23 | 265.24 | 265.33 | 265.92 | 265.91 | 265.98 | 265.38 | 265.27 | 265.22 | 265.53 | 265.48 | 265.45 | |
| 6 | 265.23 | 265.24 | 265.31 | 265.84 | 265.82 | 266.04 | 265.35 | 265.27 | 265.22 | 265.52 | 265.48 | 265.45 | |
| 7 | 265.22 | 265.24 | 265.29 | 265.73 | 265.76 | 265.89 | 265.37 | 265.27 | 265.22 | 265.52 | 265.48 | 265.45 | |
| 8 | 265.22 | 265.24 | 265.28 | 265.63 | 266.76 | 265.69 | 265.48 | 265.26 | 265.21 | 265.52 | 265.48 | 265.45 | |
| 9 | 265.22 | 265.24 | 265.28 | 265.56 | 266.40 | 265.63 | 265.46 | 265.26 | 265.21 | 265.52 | 265.48 | 265.43 | |
| 10 | 265.22 | 265.24 | 265.27 | 265.50 | 266.32 | 265.53 | 265.45 | 265.26 | 265.21 | 265.52 | 265.48 | 265.43 | |
| 11 | 265.22 | 265.23 | 265.27 | 265.44 | 265.86 | 265.53 | 265.47 | 265.26 | 265.21 | 265.51 | 265.47 | 265.43 | |
| 12 | 265.22 | 265.23 | 265.27 | 265.38 | 265.84 | 265.50 | 265.44 | 265.26 | 265.21 | 265.51 | 265.47 | 265.43 | |
| 13 | 265.22 | 265.23 | 265.34 | 265.34 | 266.36 | 265.48 | 265.41 | 265.26 | 265.40 | 265.51 | 265.47 | 265.43 | |
| 14 | 265.22 | 265.23 | 265.35 | 265.33 | 265.75 | 265.46 | 265.38 | 265.26 | 265.37 | 265.51 | 265.47 | 265.43 | |
| 15 | 265.22 | 265.24 | 265.31 | 265.28 | 265.75 | 265.45 | 265.38 | 265.26 | 265.46 | 265.51 | 265.47 | 265.43 | |
| 16 | 265.25 | 265.24 | 265.33 | 265.31 | 265.73 | 265.44 | 265.37 | 265.26 | 265.58 | 265.50 | 265.47 | 265.43 | |
| 17 | 265.24 | 265.26 | 265.33 | 265.73 | 265.74 | 265.43 | 265.36 | 265.26 | 265.56 | 265.50 | 265.46 | 265.43 | |
| 18 | 265.24 | 265.26 | 265.36 | 265.80 | 266.14 | 265.43 | 265.35 | 265.25 | 265.56 | 265.50 | 265.46 | 265.43 | |
| 19 | 265.35 | 265.26 | 265.34 | 265.76 | 266.71 | 265.44 | 265.35 | 265.25 | 265.56 | 265.50 | 265.46 | 265.43 | |
| 20 | 265.28 | 265.25 | 265.32 | 265.53 | 267.23 | 265.44 | 265.35 | 265.24 | 265.48 | 265.50 | 265.46 | 265.43 | |
| 21 | 265.25 | 265.24 | 265.33 | 266.03 | 266.45 | 265.69 | 265.35 | 265.24 | 265.56 | 265.50 | 265.46 | 265.43 | |
| 22 | 265.24 | 265.24 | 265.30 | 266.23 | 266.39 | 265.54 | 265.35 | 265.24 | 265.56 | 265.50 | 265.46 | 265.43 | |
| 23 | 265.24 | 265.42 | 265.29 | 265.83 | 266.33 | 265.49 | 265.34 | 265.24 | 265.55 | 265.50 | 265.46 | 265.43 | |
| 24 | 265.23 | 265.37 | 265.28 | 265.79 | 266.89 | 265.45 | 265.33 | 265.24 | 265.55 | 265.50 | 265.46 | 265.43 | |
| 25 | 265.27 | 265.29 | 265.30 | 266.38 | 266.34 | 265.43 | 265.33 | 265.24 | 265.55 | 265.50 | 265.46 | 265.43 | |
| 26 | 265.24 | 265.27 | 265.27 | 266.84 | 266.33 | 265.43 | 265.33 | 265.23 | 265.55 | 265.49 | 265.46 | 265.43 | |
| 27 | 265.24 | 265.26 | 265.26 | 266.02 | 266.19 | 265.42 | 265.31 | 265.23 | 265.55 | 265.49 | 265.46 | 265.43 | |
| 28 | 265.25 | 265.25 | 265.26 | 266.42 | 266.14 | 265.42 | 265.31 | 265.23 | 265.55 | 265.49 | 265.46 | 265.43 | |
| 29 | 265.30 | 265.25 | 265.27 | 265.83 | 266.09 | 265.39 | 265.31 | 265.23 | 265.55 | 265.48 | | 265.43 | |
| 30 | 265.48 | 265.24 | 265.27 | 265.81 | 265.99 | 265.38 | 265.31 | 265.22 | 265.55 | 265.48 | | 265.43 | |
| 31 | | 265.28 | | 265.79 | 266.48 | | 265.30 | | 265.55 | 265.48 | | 265.43 | |
| Mean | 265.25 | 265.26 | 265.31 | 265.74 | 266.14 | 265.61 | 265.37 | 265.25 | 265.41 | 265.51 | 265.47 | 265.44 | |
| Max | 265.48 | 265.42 | 265.47 | 266.84 | 267.23 | 266.15 | 265.48 | 265.29 | 265.58 | 265.53 | 265.48 | 265.47 | 267.23 |
| Min | 265.22 | 265.23 | 265.26 | 265.28 | 265.40 | 265.38 | 265.30 | 265.22 | 265.21 | 265.48 | 265.46 | 265.43 | 265.21 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 268.18 | m. (MSL.) , | at 04.00 Hours , on Jul 22, 2006 | | |
| Zero Gage at Bottom Elevation | 263.98 | m. (MSL.) , | River Bed | 263.88 | m. (MSL.) |
| Left Bank Elevation | 273.23 | m. (MSL.) , | | | |
| Right Bank Elevation | 275.63 | m. (MSL.) , | Drainage Are | 153 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.54 | 2.52 | 4.49 | 2.84 | 13.90 | 33.15 | 3.32 | 2.09 | 1.32 | 1.69 | 1.46 | 1.42 | | |
| 2 | 1.54 | 1.87 | 5.41 | 8.26 | 11.80 | 28.04 | 3.00 | 2.09 | 1.32 | 1.69 | 1.46 | 1.42 | | |
| 3 | 1.54 | 1.65 | 3.32 | 6.64 | 11.50 | 24.89 | 3.00 | 2.09 | 1.32 | 1.69 | 1.46 | 1.33 | | |
| 4 | 1.54 | 1.54 | 2.84 | 7.45 | 3.80 | 22.22 | 3.00 | 1.98 | 1.32 | 1.69 | 1.46 | 1.33 | | |
| 5 | 1.43 | 1.54 | 2.68 | 19.88 | 19.49 | 22.22 | 3.48 | 1.87 | 1.32 | 1.69 | 1.46 | 1.33 | | |
| 6 | 1.43 | 1.54 | 2.36 | 16.82 | 16.06 | 25.52 | 3.00 | 1.87 | 1.32 | 1.64 | 1.46 | 1.33 | | |
| 7 | 1.32 | 1.54 | 2.09 | 12.85 | 13.90 | 18.72 | 3.32 | 1.87 | 1.32 | 1.64 | 1.46 | 1.33 | | |
| 8 | 1.32 | 1.54 | 1.98 | 9.70 | 95.62 | 11.50 | 5.64 | 1.76 | 1.21 | 1.64 | 1.46 | 1.33 | | |
| 9 | 1.32 | 1.54 | 1.98 | 7.72 | 54.50 | 9.70 | 5.18 | 1.76 | 1.21 | 1.64 | 1.46 | 1.24 | | |
| 10 | 1.32 | 1.54 | 1.87 | 6.10 | 47.30 | 6.91 | 4.95 | 1.76 | 1.21 | 1.64 | 1.46 | 1.24 | | |
| 11 | 1.32 | 1.43 | 1.87 | 4.72 | 17.58 | 6.91 | 5.41 | 1.76 | 1.21 | 1.60 | 1.42 | 1.24 | | |
| 12 | 1.32 | 1.43 | 1.87 | 3.48 | 16.82 | 6.10 | 4.72 | 1.76 | 0.32 | 1.60 | 1.42 | 1.24 | | |
| 13 | 1.32 | 1.43 | 2.84 | 2.84 | 50.90 | 5.64 | 4.03 | 1.76 | 1.10 | 1.60 | 1.42 | 1.24 | | |
| 14 | 1.32 | 1.43 | 3.00 | 2.68 | 13.55 | 5.18 | 3.48 | 1.76 | 0.97 | 1.60 | 1.42 | 1.24 | | |
| 15 | 1.32 | 1.54 | 2.36 | 1.98 | 13.55 | 4.95 | 3.48 | 1.76 | 1.37 | 1.60 | 1.42 | 1.24 | | |
| 16 | 1.65 | 1.54 | 2.68 | 2.36 | 12.85 | 4.72 | 3.32 | 1.76 | 1.91 | 1.55 | 1.42 | 1.24 | | |
| 17 | 1.54 | 1.76 | 2.68 | 12.85 | 13.20 | 4.49 | 3.16 | 1.76 | 1.82 | 1.55 | 1.37 | 1.24 | | |
| 18 | 1.54 | 1.76 | 3.16 | 15.30 | 32.38 | 4.49 | 3.00 | 1.65 | 1.82 | 1.55 | 1.37 | 1.24 | | |
| 19 | 3.00 | 1.76 | 2.84 | 13.90 | 89.27 | 4.72 | 3.00 | 1.65 | 1.82 | 1.55 | 1.37 | 1.24 | | |
| 20 | 1.98 | 1.65 | 2.52 | 6.91 | 164.24 | 4.72 | 3.00 | 1.54 | 1.46 | 1.55 | 1.37 | 1.24 | | |
| 21 | 1.65 | 1.54 | 2.68 | 24.89 | 59.60 | 11.50 | 3.00 | 1.54 | 1.82 | 1.55 | 1.37 | 1.24 | | |
| 22 | 1.54 | 1.54 | 2.20 | 39.55 | 53.60 | 7.18 | 3.00 | 1.54 | 1.82 | 1.55 | 1.37 | 1.24 | | |
| 23 | 1.54 | 4.26 | 2.09 | 16.44 | 48.20 | 5.87 | 2.84 | 1.54 | 1.78 | 1.55 | 1.37 | 1.24 | | |
| 24 | 1.43 | 3.32 | 1.98 | 14.95 | 113.30 | 4.95 | 2.68 | 1.54 | 1.78 | 1.55 | 1.37 | 1.24 | | |
| 25 | 1.87 | 2.09 | 2.20 | 52.70 | 49.10 | 4.49 | 2.68 | 1.54 | 1.78 | 1.55 | 1.37 | 1.24 | | |
| 26 | 1.54 | 1.87 | 1.87 | 106.30 | 48.20 | 4.49 | 2.68 | 1.43 | 1.78 | 1.51 | 1.37 | 1.24 | | |
| 27 | 1.54 | 1.76 | 1.76 | 24.26 | 36.23 | 4.26 | 2.36 | 1.43 | 1.78 | 1.51 | 1.37 | 1.24 | | |
| 28 | 1.65 | 1.65 | 1.76 | 56.54 | 32.38 | 4.26 | 2.36 | 1.43 | 1.78 | 1.51 | 1.37 | 1.24 | | |
| 29 | 2.20 | 1.65 | 1.87 | 16.44 | 28.67 | 3.64 | 2.36 | 1.43 | 1.78 | 1.46 | | 1.24 | | |
| 30 | 5.64 | 1.54 | 1.87 | 15.68 | 22.61 | 3.48 | 2.36 | 1.32 | 1.78 | 1.46 | | 1.24 | | |
| 31 | | 1.98 | | 14.95 | 62.66 | | 2.20 | | 1.78 | 1.46 | | 1.24 | | |
| Total | 51.21 | 55.75 | 75.12 | 547.98 | 1266.76 | 308.91 | 103.01 | 51.04 | 46.33 | 49.06 | 39.56 | 39.34 | 2634.07 | CMSDAY |
| Mean | 1.71 | 1.80 | 2.50 | 17.68 | 40.86 | 10.30 | 3.32 | 1.70 | 1.49 | 1.58 | 1.41 | 1.27 | 7.22 | CMS |
| Max | 5.64 | 4.26 | 5.41 | 106.30 | 164.24 | 33.15 | 5.64 | 2.09 | 1.91 | 1.69 | 1.46 | 1.42 | 164.24 | CMS |
| Min | 1.32 | 1.43 | 1.76 | 1.98 | 3.80 | 3.48 | 2.20 | 1.32 | 0.32 | 1.46 | 1.37 | 1.24 | 0.32 | CMS |
| Runoff | 4.42 | 4.82 | 6.49 | 47.35 | 109.45 | 26.69 | 8.90 | 4.41 | 4.00 | 4.24 | 3.42 | 3.40 | 227.58 | MCM |

Momentary Peak 331.20 CMS. at 268.18 m. (MSL.) at 04.00 Hours , on Jul 22, 2006

Runoff Yield 47.04 Liters/Second/Square KM. Momentary Peak Yield 2158.64 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khlong Butsabong at Ban Phutthabath, Phetchabun (N.53)

Lat 16 - 11 - 26 N Long 100 - 55 - 40 E

**Location : on right bank at the bridge on highway.**

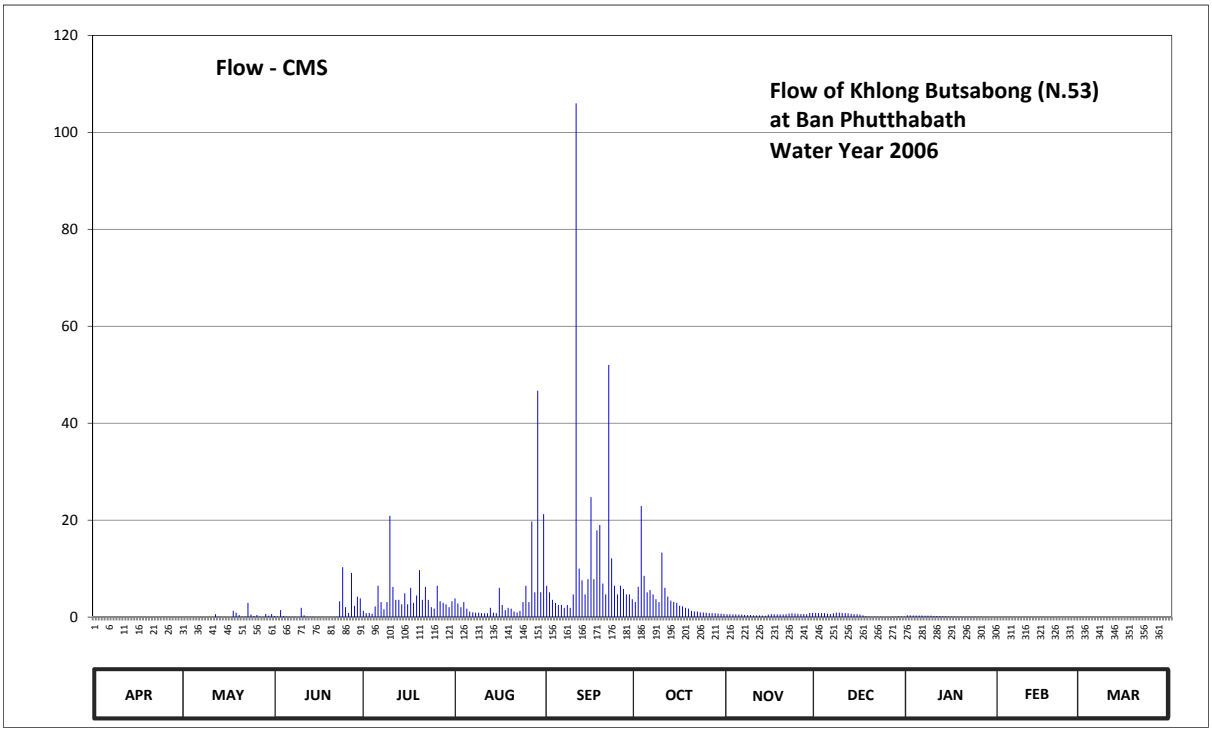
**Ban** Phutthabath **Amphoe** Chon Dan **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 113 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +140.210 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +148.696 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1979 to date |
| **Rating Operation** | |
| **Period of Rating** | 1979 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1979 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 14 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 140.21 | 140.51 | 140.63 | 140.82 | 140.99 | 141.11 | 140.94 | 140.71 | 140.77 | 140.66 | 140.48 | 140.21 | |
| 2 | 140.21 | 140.49 | 140.60 | 140.76 | 140.92 | 141.05 | 141.10 | 140.71 | 140.76 | 140.66 | 140.47 | 140.21 | |
| 3 | 140.21 | 140.48 | 140.83 | 140.77 | 140.87 | 140.97 | 141.62 | 140.70 | 140.76 | 140.65 | 140.46 | 140.21 | |
| 4 | 140.21 | 140.48 | 140.63 | 140.73 | 140.94 | 140.93 | 141.20 | 140.70 | 140.76 | 140.65 | 140.45 | 140.21 | |
| 5 | 140.21 | 140.48 | 140.60 | 140.88 | 140.85 | 140.90 | 141.05 | 140.69 | 140.73 | 140.65 | 140.43 | 140.21 | |
| 6 | 140.21 | 140.47 | 140.57 | 141.11 | 140.81 | 140.90 | 141.07 | 140.69 | 140.72 | 140.65 | 140.42 | 140.21 | |
| 7 | 140.21 | 140.53 | 140.56 | 140.94 | 140.80 | 140.86 | 141.03 | 140.68 | 140.75 | 140.64 | 140.41 | 140.21 | |
| 8 | 140.21 | 140.51 | 140.55 | 140.84 | 140.78 | 140.90 | 140.98 | 140.67 | 140.78 | 140.64 | 140.40 | 140.21 | |
| 9 | 140.21 | 140.50 | 140.54 | 140.94 | 140.78 | 140.86 | 140.94 | 140.67 | 140.78 | 140.64 | 140.39 | 140.21 | |
| 10 | 140.21 | 140.49 | 140.86 | 141.57 | 140.76 | 141.03 | 141.36 | 140.66 | 140.77 | 140.63 | 140.38 | 140.21 | |
| 11 | 140.21 | 140.51 | 140.66 | 141.10 | 140.75 | 142.89 | 141.09 | 140.66 | 140.76 | 140.63 | 140.37 | 140.21 | |
| 12 | 140.21 | 140.71 | 140.60 | 140.97 | 140.75 | 141.25 | 141.01 | 140.66 | 140.75 | 140.62 | 140.36 | 140.21 | |
| 13 | 140.21 | 140.57 | 140.58 | 140.97 | 140.86 | 141.16 | 140.96 | 140.65 | 140.73 | 140.61 | 140.35 | 140.21 | |
| 14 | 140.21 | 140.53 | 140.56 | 140.91 | 140.78 | 141.03 | 140.94 | 140.64 | 140.72 | 140.61 | 140.34 | 140.21 | |
| 15 | 140.21 | 140.52 | 140.54 | 141.04 | 140.76 | 141.17 | 140.93 | 140.69 | 140.71 | 140.60 | 140.33 | 140.21 | |
| 16 | 140.21 | 140.51 | 140.53 | 140.91 | 141.09 | 141.66 | 140.89 | 140.71 | 140.69 | 140.60 | 140.32 | 140.21 | |
| 17 | 140.21 | 140.50 | 140.50 | 141.09 | 140.90 | 141.17 | 140.88 | 140.71 | 140.66 | 140.59 | 140.31 | 140.21 | |
| 18 | 140.21 | 140.82 | 140.51 | 140.93 | 140.83 | 141.49 | 140.86 | 140.70 | 140.62 | 140.58 | 140.30 | 140.21 | |
| 19 | 140.21 | 140.78 | 140.50 | 141.02 | 140.86 | 141.52 | 140.85 | 140.70 | 140.60 | 140.58 | 140.29 | 140.21 | |
| 20 | 140.21 | 140.67 | 140.51 | 141.24 | 140.85 | 141.13 | 140.82 | 140.70 | 140.58 | 140.57 | 140.27 | 140.21 | |
| 21 | 140.21 | 140.59 | 140.53 | 140.97 | 140.81 | 141.03 | 140.81 | 140.71 | 140.57 | 140.57 | 140.26 | 140.21 | |
| 22 | 140.21 | 140.59 | 140.57 | 141.10 | 140.79 | 142.17 | 140.81 | 140.74 | 140.56 | 140.57 | 140.21 | 140.21 | |
| 23 | 140.21 | 140.93 | 140.95 | 140.97 | 140.82 | 141.32 | 140.80 | 140.75 | 140.55 | 140.56 | 140.21 | 140.21 | |
| 24 | 140.21 | 140.69 | 141.26 | 140.87 | 140.94 | 141.11 | 140.79 | 140.74 | 140.54 | 140.56 | 140.21 | 140.21 | |
| 25 | 140.21 | 140.63 | 140.87 | 140.85 | 141.11 | 141.03 | 140.78 | 140.73 | 140.54 | 140.55 | 140.21 | 140.21 | |
| 26 | 140.21 | 140.67 | 140.77 | 141.11 | 140.94 | 141.11 | 140.76 | 140.72 | 140.53 | 140.55 | 140.21 | 140.21 | |
| 27 | 140.21 | 140.60 | 141.22 | 140.95 | 141.54 | 141.08 | 140.76 | 140.72 | 140.55 | 140.54 | 140.21 | 140.21 | |
| 28 | 140.21 | 140.58 | 140.89 | 140.93 | 141.05 | 141.03 | 140.75 | 140.71 | 140.57 | 140.53 | 140.21 | 140.21 | |
| 29 | 140.21 | 140.72 | 141.01 | 140.91 | 142.08 | 141.03 | 140.74 | 140.77 | 140.61 | 140.51 | | 140.21 | |
| 30 | 140.21 | 140.64 | 140.99 | 140.87 | 141.05 | 140.98 | 140.73 | 140.77 | 140.60 | 140.50 | | 140.21 | |
| 31 | | 140.72 | | 140.95 | 141.58 | | 140.72 | | 140.60 | 140.49 | | 140.21 | |
| Mean | 140.21 | 140.59 | 140.70 | 140.97 | 140.96 | 141.20 | 140.93 | 140.70 | 140.67 | 140.59 | 140.33 | 140.21 | |
| Max | 140.21 | 140.93 | 141.26 | 141.57 | 142.08 | 142.89 | 141.62 | 140.77 | 140.78 | 140.66 | 140.48 | 140.21 | 142.89 |
| Min | 140.21 | 140.47 | 140.50 | 140.73 | 140.75 | 140.86 | 140.72 | 140.64 | 140.53 | 140.49 | 140.21 | 140.21 | 140.21 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 144.26 | m. (MSL.) , | at 06.00 Hours , on Sep 11, 2006 | | |
| Zero Gage at Bottom Elevation | 140.21 | m. (MSL.) , | River Bed | 140.22 | m. (MSL.) |
| Left Bank Elevation | 148.74 | m. (MSL.) , | | | |
| Right Bank Elevation | 148.71 | m. (MSL.) , | Drainage Are | 113 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.01 | 0.24 | 1.30 | 3.85 | 6.48 | 3.10 | 0.60 | 0.87 | 0.37 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.10 | 0.82 | 2.80 | 5.13 | 6.25 | 0.60 | 0.82 | 0.37 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 1.45 | 0.87 | 2.05 | 3.55 | 22.92 | 0.55 | 0.82 | 0.33 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.24 | 0.69 | 3.10 | 2.95 | 8.50 | 0.55 | 0.82 | 0.33 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.10 | 2.20 | 1.75 | 2.50 | 5.13 | 0.51 | 0.69 | 0.33 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.07 | 6.48 | 1.15 | 2.50 | 5.58 | 0.51 | 0.64 | 0.33 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.03 | 0.06 | 3.10 | 1.00 | 1.90 | 4.68 | 0.46 | 0.78 | 0.28 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.01 | 0.05 | 1.60 | 0.91 | 2.50 | 3.70 | 0.42 | 0.91 | 0.28 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.04 | 3.10 | 0.91 | 1.90 | 3.10 | 0.42 | 0.91 | 0.28 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 1.90 | 20.88 | 0.82 | 4.68 | 13.30 | 0.37 | 0.87 | 0.24 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.01 | 0.37 | 6.25 | 0.78 | 105.99 | 6.03 | 0.37 | 0.82 | 0.24 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.60 | 0.10 | 3.55 | 0.78 | 10.00 | 4.23 | 0.37 | 0.78 | 0.19 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.07 | 0.08 | 3.55 | 1.90 | 7.60 | 3.40 | 0.33 | 0.69 | 0.15 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.03 | 0.06 | 2.65 | 0.91 | 4.68 | 3.10 | 0.28 | 0.64 | 0.15 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.02 | 0.04 | 4.90 | 0.82 | 7.83 | 2.95 | 0.51 | 0.60 | 0.10 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.01 | 0.03 | 2.65 | 6.03 | 24.76 | 2.35 | 0.60 | 0.51 | 0.10 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 6.03 | 2.50 | 7.83 | 2.20 | 0.60 | 0.37 | 0.09 | 0.00 | 0.00 | | |
| 18 | 0.00 | 1.30 | 0.01 | 2.95 | 1.45 | 17.88 | 1.90 | 0.55 | 0.19 | 0.08 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.91 | 0.00 | 4.45 | 1.90 | 19.00 | 1.75 | 0.55 | 0.10 | 0.08 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.42 | 0.01 | 9.70 | 1.75 | 6.93 | 1.30 | 0.55 | 0.08 | 0.07 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.09 | 0.03 | 3.55 | 1.15 | 4.68 | 1.15 | 0.60 | 0.07 | 0.07 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.09 | 0.07 | 6.25 | 0.96 | 52.03 | 1.15 | 0.73 | 0.06 | 0.07 | 0.00 | 0.00 | | |
| 23 | 0.00 | 2.95 | 3.25 | 3.55 | 1.30 | 12.10 | 1.00 | 0.78 | 0.05 | 0.06 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.51 | 10.30 | 2.05 | 3.10 | 6.48 | 0.96 | 0.73 | 0.04 | 0.06 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.24 | 2.05 | 1.75 | 6.48 | 4.68 | 0.91 | 0.69 | 0.04 | 0.05 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.42 | 0.87 | 6.48 | 3.10 | 6.48 | 0.82 | 0.64 | 0.03 | 0.05 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.10 | 9.10 | 3.25 | 19.75 | 5.80 | 0.82 | 0.64 | 0.05 | 0.04 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.08 | 2.35 | 2.95 | 5.13 | 4.68 | 0.78 | 0.60 | 0.07 | 0.03 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.64 | 4.23 | 2.65 | 46.72 | 4.68 | 0.73 | 0.87 | 0.15 | 0.01 | | 0.00 | | |
| 30 | 0.00 | 0.28 | 3.85 | 2.05 | 5.13 | 3.70 | 0.69 | 0.87 | 0.10 | 0.00 | | 0.00 | | |
| 31 | | 0.64 | | 3.25 | 21.25 | | 0.64 | | 0.10 | 0.00 | | 0.00 | | |
| Total | 0.00 | 9.46 | 41.05 | 125.50 | 151.23 | 351.90 | 115.12 | 16.85 | 13.67 | 4.83 | 0.00 | 0.00 | 829.61 | CMSDAY |
| Mean | 0.00 | 0.31 | 1.37 | 4.05 | 4.88 | 11.73 | 3.71 | 0.56 | 0.44 | 0.16 | 0.00 | 0.00 | 2.27 | CMS |
| Max | 0.00 | 2.95 | 10.30 | 20.88 | 46.72 | 105.99 | 22.92 | 0.87 | 0.91 | 0.37 | 0.00 | 0.00 | 105.99 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.69 | 0.78 | 1.90 | 0.64 | 0.28 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.82 | 3.55 | 10.84 | 13.07 | 30.40 | 9.95 | 1.46 | 1.18 | 0.42 | 0.00 | 0.00 | 71.68 | MCM |

Momentary Peak 268.30 CMS. at 144.26 m. (MSL.) at 06.00 Hours , on Sep 11, 2006

Runoff Yield 20.11 Liters/Second/Square KM. Momentary Peak Yield 2374.34 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khlong Wang Pong at Ban Wang Pong , Phetchabun (N.54)

Lat 16 - 19 - 34 N Long 100 - 48 - 17 E

**Location : on left bank at the bridge on road.**

**Ban** Wang Pong **Amphoe** Chon Dan **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 174 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +104.350 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +107.656 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1982 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

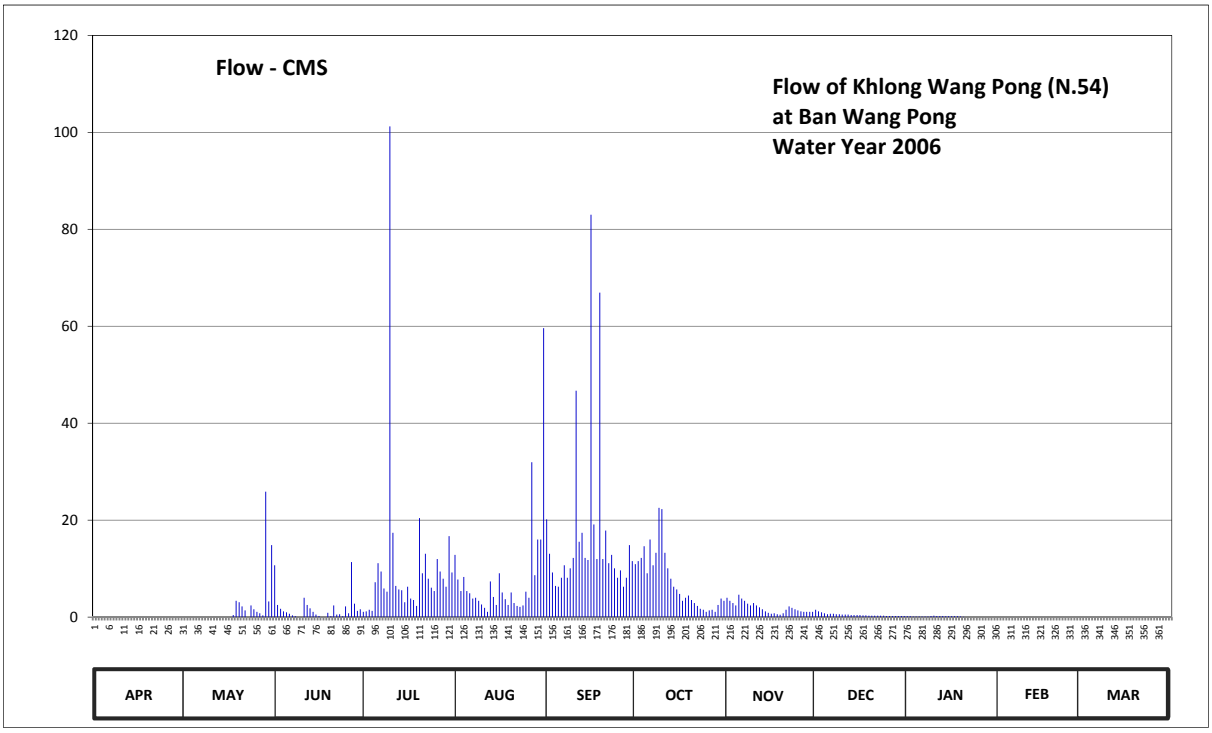
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 103.78 | 103.78 | 104.66 | 104.05 | 104.76 | 105.07 | 104.67 | 104.29 | 104.09 | 103.93 | 103.84 | 103.74 | |
| 2 | 103.78 | 103.78 | 104.19 | 104.06 | 104.51 | 104.77 | 104.70 | 104.25 | 104.06 | 103.93 | 103.84 | 103.74 | |
| 3 | 103.78 | 103.78 | 104.11 | 104.09 | 104.38 | 104.59 | 104.73 | 104.22 | 104.04 | 103.92 | 103.84 | 103.74 | |
| 4 | 103.78 | 103.78 | 104.06 | 104.07 | 104.54 | 104.44 | 104.84 | 104.18 | 104.02 | 103.92 | 103.84 | 103.74 | |
| 5 | 103.78 | 103.78 | 104.04 | 104.48 | 104.38 | 104.43 | 104.58 | 104.33 | 104.00 | 103.92 | 103.84 | 103.74 | |
| 6 | 103.78 | 103.78 | 104.01 | 104.68 | 104.35 | 104.53 | 104.90 | 104.28 | 104.01 | 103.92 | 103.84 | 103.74 | |
| 7 | 103.78 | 103.78 | 103.96 | 104.60 | 104.28 | 104.66 | 104.66 | 104.25 | 104.01 | 103.92 | 103.84 | 103.74 | |
| 8 | 103.78 | 103.78 | 103.93 | 104.41 | 104.29 | 104.53 | 104.78 | 104.21 | 104.00 | 103.92 | 103.84 | 103.74 | |
| 9 | 103.78 | 103.78 | 103.90 | 104.37 | 104.25 | 104.63 | 105.16 | 104.18 | 104.00 | 103.94 | 103.84 | 103.74 | |
| 10 | 103.78 | 103.78 | 103.86 | 107.41 | 104.20 | 104.73 | 105.15 | 104.22 | 103.99 | 103.95 | 103.84 | 103.74 | |
| 11 | 103.78 | 103.80 | 104.29 | 104.96 | 104.13 | 105.96 | 104.78 | 104.18 | 103.99 | 103.94 | 103.84 | 103.74 | |
| 12 | 103.78 | 103.80 | 104.19 | 104.44 | 104.05 | 104.88 | 104.63 | 104.14 | 103.99 | 103.94 | 103.81 | 103.74 | |
| 13 | 103.78 | 103.80 | 104.12 | 104.40 | 104.49 | 104.96 | 104.52 | 104.10 | 103.97 | 103.94 | 103.79 | 103.74 | |
| 14 | 103.78 | 103.81 | 104.05 | 104.39 | 104.30 | 104.73 | 104.43 | 104.06 | 103.97 | 103.93 | 103.79 | 103.74 | |
| 15 | 103.78 | 103.81 | 103.99 | 104.23 | 104.19 | 104.71 | 104.40 | 104.03 | 103.97 | 103.93 | 103.79 | 103.74 | |
| 16 | 103.78 | 103.80 | 103.94 | 104.43 | 104.58 | 106.96 | 104.34 | 104.01 | 103.97 | 103.93 | 103.79 | 103.74 | |
| 17 | 103.78 | 103.82 | 103.90 | 104.28 | 104.36 | 105.03 | 104.25 | 104.02 | 103.96 | 103.93 | 103.78 | 103.74 | |
| 18 | 103.78 | 103.97 | 103.85 | 104.26 | 104.27 | 104.72 | 104.29 | 104.00 | 103.96 | 103.93 | 103.78 | 103.74 | |
| 19 | 103.78 | 104.25 | 104.03 | 104.17 | 104.19 | 106.54 | 104.32 | 103.98 | 103.95 | 103.92 | 103.78 | 103.74 | |
| 20 | 103.78 | 104.23 | 103.93 | 105.08 | 104.36 | 104.72 | 104.26 | 104.02 | 103.95 | 103.91 | 103.78 | 103.74 | |
| 21 | 103.78 | 104.16 | 104.18 | 104.58 | 104.22 | 104.98 | 104.22 | 104.09 | 103.95 | 103.90 | 103.77 | 103.74 | |
| 22 | 103.78 | 104.08 | 103.99 | 104.77 | 104.17 | 104.68 | 104.17 | 104.16 | 103.95 | 103.90 | 103.77 | 103.74 | |
| 23 | 103.78 | 103.76 | 104.00 | 104.52 | 104.15 | 104.76 | 104.11 | 104.13 | 103.95 | 103.90 | 103.76 | 103.74 | |
| 24 | 103.78 | 104.18 | 103.93 | 104.42 | 104.18 | 104.63 | 104.09 | 104.10 | 103.95 | 103.90 | 103.75 | 103.74 | |
| 25 | 103.78 | 104.10 | 104.16 | 104.38 | 104.37 | 104.53 | 104.05 | 104.08 | 103.94 | 103.88 | 103.75 | 103.74 | |
| 26 | 103.78 | 104.05 | 104.02 | 104.72 | 104.29 | 104.61 | 104.08 | 104.06 | 103.94 | 103.87 | 103.75 | 103.74 | |
| 27 | 103.78 | 104.02 | 104.69 | 104.60 | 105.49 | 104.43 | 104.09 | 104.05 | 103.94 | 103.85 | 103.75 | 103.74 | |
| 28 | 103.78 | 103.96 | 104.21 | 104.52 | 104.56 | 104.53 | 104.05 | 104.05 | 103.94 | 103.85 | 103.75 | 103.74 | |
| 29 | 103.78 | 105.28 | 104.07 | 104.43 | 104.90 | 104.85 | 104.19 | 104.05 | 103.94 | 103.85 | | 103.74 | |
| 30 | 103.78 | 104.24 | 104.10 | 104.93 | 104.90 | 104.70 | 104.28 | 104.05 | 103.94 | 103.85 | | 103.74 | |
| 31 | | 104.85 | | 104.59 | 106.34 | | 104.25 | | 103.94 | 103.85 | | 103.74 | |
| Mean | 103.78 | 103.99 | 104.08 | 104.56 | 104.47 | 104.88 | 104.45 | 104.13 | 103.98 | 103.91 | 103.80 | 103.74 | |
| Max | 103.78 | 105.28 | 104.69 | 107.41 | 106.34 | 106.96 | 105.16 | 104.33 | 104.09 | 103.95 | 103.84 | 103.74 | 107.41 |
| Min | 103.78 | 103.76 | 103.85 | 104.05 | 104.05 | 104.43 | 104.05 | 103.98 | 103.94 | 103.85 | 103.75 | 103.74 | 103.74 |

Annual Max Momentary Gage Height 107.80 m. (MSL.) , at 06.00 Hours , on Jul 10, 2006

Zero Gage at Bottom Elevation 104.35 m. (MSL.) , River Bed 102.35 m. (MSL.)

Left Bank Elevation 110.29 m. (MSL.) ,

Right Bank Elevation 110.28 m. (MSL.) , Drainage Are 174 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 10.69 | 1.10 | 12.84 | 20.16 | 10.91 | 4.00 | 1.50 | 0.18 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 2.50 | 1.20 | 7.74 | 13.06 | 11.55 | 3.38 | 1.20 | 0.18 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 1.70 | 1.50 | 5.39 | 9.22 | 12.20 | 2.91 | 1.00 | 0.12 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 1.20 | 1.30 | 8.29 | 6.44 | 14.62 | 2.40 | 0.80 | 0.12 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 1.00 | 7.18 | 5.39 | 6.26 | 9.03 | 4.62 | 0.60 | 0.12 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.70 | 11.12 | 4.93 | 8.11 | 16.00 | 3.84 | 0.70 | 0.12 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.36 | 9.40 | 3.84 | 10.69 | 10.69 | 3.38 | 0.70 | 0.12 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.18 | 5.89 | 4.00 | 8.11 | 13.27 | 2.76 | 0.60 | 0.12 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 5.24 | 3.38 | 10.05 | 22.54 | 2.40 | 0.60 | 0.24 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 101.22 | 2.60 | 12.20 | 22.28 | 2.91 | 0.54 | 0.30 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 4.00 | 17.38 | 1.90 | 46.70 | 13.27 | 2.40 | 0.54 | 0.24 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 2.50 | 6.44 | 1.10 | 15.54 | 10.05 | 2.00 | 0.54 | 0.24 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 1.80 | 5.70 | 7.37 | 17.38 | 7.92 | 1.60 | 0.42 | 0.24 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 1.10 | 5.55 | 4.15 | 12.20 | 6.26 | 1.20 | 0.42 | 0.18 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.54 | 3.07 | 2.50 | 11.77 | 5.70 | 0.90 | 0.42 | 0.18 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.24 | 6.26 | 9.03 | 83.02 | 4.77 | 0.70 | 0.42 | 0.18 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 3.84 | 5.08 | 19.10 | 3.38 | 0.80 | 0.36 | 0.18 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.42 | 0.00 | 3.53 | 3.69 | 11.98 | 4.00 | 0.60 | 0.36 | 0.18 | 0.00 | 0.00 | | |
| 19 | 0.00 | 3.38 | 0.90 | 2.30 | 2.50 | 66.95 | 4.46 | 0.48 | 0.30 | 0.12 | 0.00 | 0.00 | | |
| 20 | 0.00 | 3.07 | 0.18 | 20.42 | 5.08 | 11.98 | 3.53 | 0.80 | 0.30 | 0.06 | 0.00 | 0.00 | | |
| 21 | 0.00 | 2.20 | 2.40 | 9.03 | 2.91 | 17.84 | 2.91 | 1.50 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 1.40 | 0.54 | 13.06 | 2.30 | 11.12 | 2.30 | 2.20 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.60 | 7.92 | 2.10 | 12.84 | 1.70 | 1.90 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 2.40 | 0.18 | 6.07 | 2.40 | 10.05 | 1.50 | 1.60 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 1.60 | 2.20 | 5.39 | 5.24 | 8.11 | 1.10 | 1.40 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 1.10 | 0.80 | 11.98 | 4.00 | 9.62 | 1.40 | 1.20 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.80 | 11.34 | 9.40 | 31.96 | 6.26 | 1.50 | 1.10 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.36 | 2.76 | 7.92 | 8.66 | 8.11 | 1.10 | 1.10 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 25.88 | 1.30 | 6.26 | 16.00 | 14.85 | 2.50 | 1.10 | 0.24 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 3.22 | 1.60 | 16.69 | 16.00 | 11.55 | 3.84 | 1.10 | 0.24 | 0.00 | | 0.00 | | |
| 31 | | 14.85 | | 9.22 | 59.60 | | 3.38 | | 0.24 | 0.00 | | 0.00 | | |
| Total | 0.00 | 60.68 | 53.31 | 322.58 | 251.97 | 511.27 | 229.66 | 58.28 | 15.20 | 3.42 | 0.00 | 0.00 | 1506.37 | CMSDAY |
| Mean | 0.00 | 1.96 | 1.78 | 10.41 | 8.13 | 17.04 | 7.41 | 1.94 | 0.49 | 0.11 | 0.00 | 0.00 | 4.13 | CMS |
| Max | 0.00 | 25.88 | 11.34 | 101.22 | 59.60 | 83.02 | 22.54 | 4.62 | 1.50 | 0.30 | 0.00 | 0.00 | 101.22 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 1.10 | 1.10 | 6.26 | 1.10 | 0.48 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 5.24 | 4.61 | 27.87 | 21.77 | 44.17 | 19.84 | 5.04 | 1.31 | 0.30 | 0.00 | 0.00 | 130.15 | MCM |

Momentary Peak 117.60 CMS. at 107.80 m. (MSL.) at 06.00 Hours , on Jul 10, 2006

Runoff Yield 23.72 Liters/Second/Square KM. Momentary Peak Yield 675.86 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Phak at Ban Tha Sakae , Phitsanulok (N.55)

Lat 17 - 15 - 06 N Long 100 - 37 - 53 E

**Location : on left bank at the bridge of Nakhon Thai - Chat Trakan Road , Tambon Pa Daeng.**

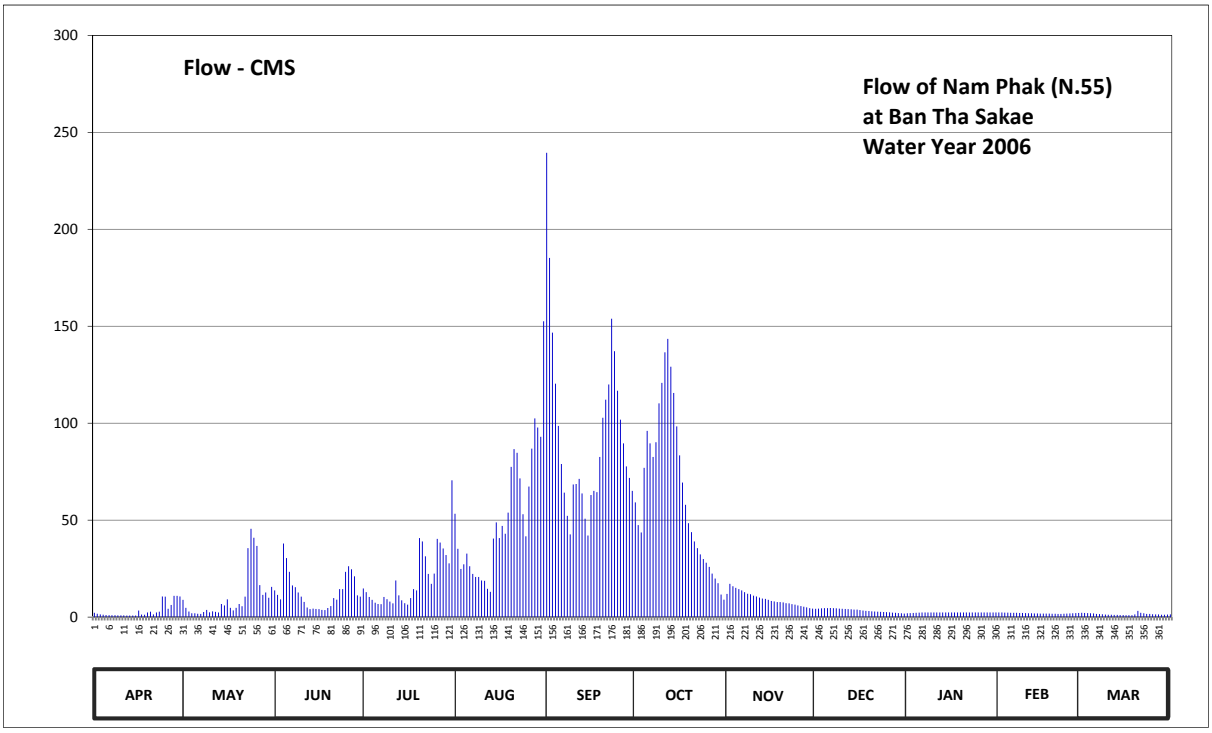
**Ban** Tha Sakae **Amphoe** Chat Trakan **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 971 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +182.830 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 13 meters from the top staff gage. **Elevation** +191.414 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1983 to date |
| **Rating Operation** | |
| **Period of Rating** | 1994 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1994 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 183.55 | 184.16 | 184.50 | 184.56 | 186.69 | 190.54 | 186.97 | 184.38 | 183.77 | 183.52 | 183.57 | 183.55 | |
| 2 | 183.49 | 183.82 | 184.35 | 184.44 | 185.78 | 190.16 | 186.41 | 184.71 | 183.78 | 183.53 | 183.57 | 183.54 | |
| 3 | 183.45 | 183.63 | 184.18 | 184.27 | 185.18 | 189.67 | 186.23 | 184.63 | 183.79 | 183.54 | 183.56 | 183.53 | |
| 4 | 183.43 | 183.52 | 185.93 | 184.16 | 185.32 | 189.17 | 187.75 | 184.58 | 183.80 | 183.55 | 183.56 | 183.52 | |
| 5 | 183.41 | 183.52 | 185.51 | 184.05 | 185.64 | 188.55 | 188.46 | 184.54 | 183.80 | 183.56 | 183.55 | 183.51 | |
| 6 | 183.40 | 183.49 | 185.09 | 184.00 | 185.26 | 187.83 | 188.23 | 184.50 | 183.81 | 183.57 | 183.55 | 183.48 | |
| 7 | 183.39 | 183.48 | 184.66 | 183.99 | 185.03 | 187.21 | 187.97 | 184.44 | 183.80 | 183.57 | 183.55 | 183.47 | |
| 8 | 183.39 | 183.60 | 184.60 | 184.27 | 184.93 | 186.64 | 188.25 | 184.39 | 183.79 | 183.57 | 183.54 | 183.46 | |
| 9 | 183.38 | 183.71 | 184.43 | 184.19 | 184.93 | 186.18 | 188.91 | 184.37 | 183.78 | 183.57 | 183.54 | 183.44 | |
| 10 | 183.38 | 183.58 | 184.28 | 184.09 | 184.82 | 187.40 | 189.18 | 184.32 | 183.77 | 183.57 | 183.53 | 183.43 | |
| 11 | 183.38 | 183.64 | 184.08 | 184.02 | 184.81 | 187.41 | 189.50 | 184.29 | 183.76 | 183.57 | 183.52 | 183.43 | |
| 12 | 183.37 | 183.61 | 183.83 | 184.82 | 184.55 | 187.52 | 189.62 | 184.25 | 183.75 | 183.57 | 183.52 | 183.42 | |
| 13 | 183.37 | 183.57 | 183.75 | 184.33 | 184.45 | 187.19 | 189.36 | 184.21 | 183.74 | 183.57 | 183.51 | 183.42 | |
| 14 | 183.36 | 184.00 | 183.78 | 184.14 | 186.07 | 186.57 | 189.05 | 184.20 | 183.73 | 183.57 | 183.51 | 183.41 | |
| 15 | 183.36 | 183.93 | 183.76 | 184.03 | 186.48 | 186.15 | 188.54 | 184.16 | 183.73 | 183.57 | 183.50 | 183.41 | |
| 16 | 183.68 | 184.18 | 183.75 | 183.97 | 186.08 | 187.15 | 188.00 | 184.12 | 183.70 | 183.57 | 183.50 | 183.40 | |
| 17 | 183.44 | 183.82 | 183.71 | 184.23 | 186.39 | 187.25 | 187.44 | 184.10 | 183.68 | 183.57 | 183.50 | 183.40 | |
| 18 | 183.43 | 183.69 | 183.70 | 184.54 | 186.20 | 187.22 | 186.91 | 184.07 | 183.66 | 183.57 | 183.50 | 183.40 | |
| 19 | 183.57 | 183.82 | 183.81 | 184.50 | 186.72 | 187.97 | 186.46 | 184.07 | 183.65 | 183.57 | 183.49 | 183.45 | |
| 20 | 183.62 | 184.00 | 183.90 | 186.08 | 187.77 | 188.69 | 186.24 | 184.06 | 183.64 | 183.57 | 183.49 | 183.66 | |
| 21 | 183.45 | 183.89 | 184.23 | 185.99 | 188.12 | 188.96 | 185.99 | 184.03 | 183.63 | 183.57 | 183.48 | 183.55 | |
| 22 | 183.57 | 184.28 | 184.17 | 185.56 | 188.05 | 189.16 | 185.80 | 184.02 | 183.62 | 183.57 | 183.48 | 183.52 | |
| 23 | 183.62 | 185.80 | 184.54 | 185.03 | 187.53 | 189.78 | 185.62 | 183.99 | 183.61 | 183.57 | 183.49 | 183.48 | |
| 24 | 184.29 | 186.32 | 184.54 | 184.71 | 186.68 | 189.51 | 185.48 | 183.97 | 183.60 | 183.57 | 183.50 | 183.48 | |
| 25 | 184.28 | 186.09 | 185.09 | 185.04 | 186.13 | 189.08 | 185.37 | 183.93 | 183.59 | 183.57 | 183.51 | 183.46 | |
| 26 | 183.77 | 185.86 | 185.26 | 186.06 | 187.35 | 188.66 | 185.24 | 183.90 | 183.58 | 183.57 | 183.52 | 183.45 | |
| 27 | 183.95 | 184.67 | 185.17 | 185.96 | 188.13 | 188.23 | 185.04 | 183.87 | 183.56 | 183.57 | 183.53 | 183.45 | |
| 28 | 184.31 | 184.35 | 184.95 | 185.79 | 188.68 | 187.78 | 184.88 | 183.84 | 183.55 | 183.57 | 183.54 | 183.43 | |
| 29 | 184.31 | 184.43 | 184.33 | 185.60 | 188.52 | 187.54 | 184.73 | 183.80 | 183.53 | 183.57 | | 183.43 | |
| 30 | 184.29 | 184.24 | 184.28 | 185.35 | 188.35 | 187.25 | 184.36 | 183.78 | 183.52 | 183.57 | | 183.44 | |
| 31 | | 184.61 | | 187.49 | 189.76 | | 184.17 | | 183.50 | 183.57 | | 183.45 | |
| Mean | 183.62 | 184.17 | 184.41 | 184.81 | 186.46 | 188.08 | 186.97 | 184.18 | 183.68 | 183.57 | 183.52 | 183.47 | |
| Max | 184.31 | 186.32 | 185.93 | 187.49 | 189.76 | 190.54 | 189.62 | 184.71 | 183.81 | 183.57 | 183.57 | 183.66 | 190.54 |
| Min | 183.36 | 183.48 | 183.70 | 183.97 | 184.45 | 186.15 | 184.17 | 183.78 | 183.50 | 183.52 | 183.48 | 183.40 | 183.36 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 190.58 | m. (MSL.) , | at 06.00 Hours , on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 182.83 | m. (MSL.) , | River Bed | 183.22 | m. (MSL.) |
| Left Bank Elevation | 191.16 | m. (MSL.) , | | | |
| Right Bank Elevation | 191.14 | m. (MSL.) , | Drainage Are | 971 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.20 | 8.88 | 13.80 | 14.76 | 53.29 | 239.50 | 59.17 | 11.92 | 4.30 | 1.96 | 2.36 | 2.20 | | |
| 2 | 1.72 | 4.82 | 11.50 | 12.84 | 35.24 | 185.24 | 47.41 | 17.16 | 4.40 | 2.04 | 2.36 | 2.12 | | |
| 3 | 1.40 | 2.90 | 9.14 | 10.38 | 24.86 | 146.75 | 43.63 | 15.88 | 4.50 | 2.12 | 2.28 | 2.04 | | |
| 4 | 1.24 | 1.96 | 37.94 | 8.88 | 27.24 | 120.40 | 76.95 | 15.08 | 4.60 | 2.20 | 2.28 | 1.96 | | |
| 5 | 1.08 | 1.96 | 30.47 | 7.45 | 32.72 | 98.60 | 96.08 | 14.44 | 4.60 | 2.28 | 2.20 | 1.88 | | |
| 6 | 1.00 | 1.72 | 23.33 | 6.80 | 26.22 | 78.98 | 89.64 | 13.80 | 4.71 | 2.36 | 2.20 | 1.64 | | |
| 7 | 0.95 | 1.64 | 16.36 | 6.69 | 22.31 | 64.22 | 82.62 | 12.84 | 4.60 | 2.36 | 2.20 | 1.56 | | |
| 8 | 0.95 | 2.60 | 15.40 | 10.38 | 20.68 | 52.24 | 90.20 | 12.06 | 4.50 | 2.36 | 2.12 | 1.48 | | |
| 9 | 0.90 | 3.70 | 12.68 | 9.27 | 20.68 | 42.62 | 110.27 | 11.78 | 4.40 | 2.36 | 2.12 | 1.32 | | |
| 10 | 0.90 | 2.44 | 10.52 | 7.97 | 18.92 | 68.40 | 120.80 | 11.08 | 4.30 | 2.36 | 2.04 | 1.24 | | |
| 11 | 0.90 | 3.00 | 7.84 | 7.06 | 18.76 | 68.64 | 136.60 | 10.66 | 4.20 | 2.36 | 1.96 | 1.24 | | |
| 12 | 0.85 | 2.70 | 4.93 | 18.92 | 14.60 | 71.28 | 143.50 | 10.10 | 4.10 | 2.36 | 1.96 | 1.16 | | |
| 13 | 0.85 | 2.36 | 4.10 | 11.22 | 13.00 | 63.79 | 129.12 | 9.54 | 4.00 | 2.36 | 1.88 | 1.16 | | |
| 14 | 0.80 | 6.80 | 4.40 | 8.62 | 40.53 | 50.77 | 115.60 | 9.40 | 3.90 | 2.36 | 1.88 | 1.08 | | |
| 15 | 0.80 | 6.03 | 4.20 | 7.19 | 48.88 | 42.05 | 98.32 | 8.88 | 3.90 | 2.36 | 1.80 | 1.08 | | |
| 16 | 3.40 | 9.14 | 4.10 | 6.47 | 40.72 | 62.95 | 83.40 | 8.36 | 3.60 | 2.36 | 1.80 | 1.00 | | |
| 17 | 1.32 | 4.82 | 3.70 | 9.82 | 46.99 | 65.10 | 69.36 | 8.10 | 3.40 | 2.36 | 1.80 | 1.00 | | |
| 18 | 1.24 | 3.50 | 3.60 | 14.44 | 43.00 | 64.44 | 57.91 | 7.71 | 3.20 | 2.36 | 1.80 | 1.00 | | |
| 19 | 2.36 | 4.82 | 4.71 | 13.80 | 53.92 | 82.62 | 48.46 | 7.71 | 3.10 | 2.36 | 1.72 | 1.40 | | |
| 20 | 2.80 | 6.80 | 5.70 | 40.72 | 77.45 | 102.79 | 43.84 | 7.58 | 3.00 | 2.36 | 1.72 | 3.20 | | |
| 21 | 1.40 | 5.59 | 9.82 | 39.02 | 86.64 | 112.12 | 39.02 | 7.19 | 2.90 | 2.36 | 1.64 | 2.20 | | |
| 22 | 2.36 | 10.52 | 9.01 | 31.32 | 84.75 | 120.00 | 35.60 | 7.06 | 2.80 | 2.36 | 1.64 | 1.96 | | |
| 23 | 2.80 | 35.60 | 14.44 | 22.31 | 71.52 | 153.90 | 32.36 | 6.69 | 2.70 | 2.36 | 1.72 | 1.64 | | |
| 24 | 10.66 | 45.52 | 14.44 | 17.16 | 53.08 | 137.16 | 29.96 | 6.47 | 2.60 | 2.36 | 1.80 | 1.64 | | |
| 25 | 10.52 | 40.91 | 23.33 | 22.48 | 41.67 | 116.80 | 28.09 | 6.03 | 2.52 | 2.36 | 1.88 | 1.48 | | |
| 26 | 4.30 | 36.68 | 26.22 | 40.34 | 67.30 | 101.86 | 25.88 | 5.70 | 2.44 | 2.36 | 1.96 | 1.40 | | |
| 27 | 6.25 | 16.52 | 24.69 | 38.48 | 86.91 | 89.64 | 22.48 | 5.37 | 2.28 | 2.36 | 2.04 | 1.40 | | |
| 28 | 10.94 | 11.50 | 21.00 | 35.42 | 102.48 | 77.70 | 19.88 | 5.04 | 2.20 | 2.36 | 2.12 | 1.24 | | |
| 29 | 10.94 | 12.68 | 11.22 | 32.00 | 97.76 | 71.76 | 17.48 | 4.60 | 2.04 | 2.36 | | 1.24 | | |
| 30 | 10.66 | 9.96 | 10.52 | 27.75 | 93.00 | 65.10 | 11.64 | 4.40 | 1.96 | 2.36 | | 1.32 | | |
| 31 | | 15.56 | | 70.56 | 152.60 | | 9.01 | | 1.80 | 2.36 | | 1.40 | | |
| Total | 98.49 | 323.63 | 393.11 | 610.52 | 1617.72 | 2817.42 | 2014.28 | 282.63 | 107.55 | 71.96 | 55.28 | 47.68 | 8440.27 | CMSDAY |
| Mean | 3.28 | 10.44 | 13.10 | 19.69 | 52.18 | 93.91 | 64.98 | 9.42 | 3.47 | 2.32 | 1.97 | 1.54 | 23.12 | CMS |
| Max | 10.94 | 45.52 | 37.94 | 70.56 | 152.60 | 239.50 | 143.50 | 17.16 | 4.71 | 2.36 | 2.36 | 3.20 | 239.50 | CMS |
| Min | 0.80 | 1.64 | 3.60 | 6.47 | 13.00 | 42.05 | 9.01 | 4.40 | 1.80 | 1.96 | 1.64 | 1.00 | 0.80 | CMS |
| Runoff | 8.51 | 27.96 | 33.96 | 52.75 | 139.77 | 243.43 | 174.03 | 24.42 | 9.29 | 6.22 | 4.78 | 4.12 | 729.24 | MCM |

Momentary Peak 246.50 CMS. at 190.58 m. (MSL.) at 06.00 Hours , on Sep 1, 2006

Runoff Yield 23.81 Liters/Second/Square KM. Momentary Peak Yield 253.86 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Fua at Ban Nam Fua , Phitsanulok (N.58)

Lat 17 - 08 - 45 N Long 100 - 56 - 04 E

**Location : on left bank at the bridge of Nakhon Thai - Dan Sai Road from the guidpost 11.5**

**Ban** Nam Fua **Amphoe** Nakhon Thai **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 317 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +208.360 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 16 meters from the top staff gage. **Elevation** +214.931 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1984 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Rather unstable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +213.320 m.(MSL), records are channel flow only. |
| **General Description** | Records fair. Stage-discharge relation defined by 21 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

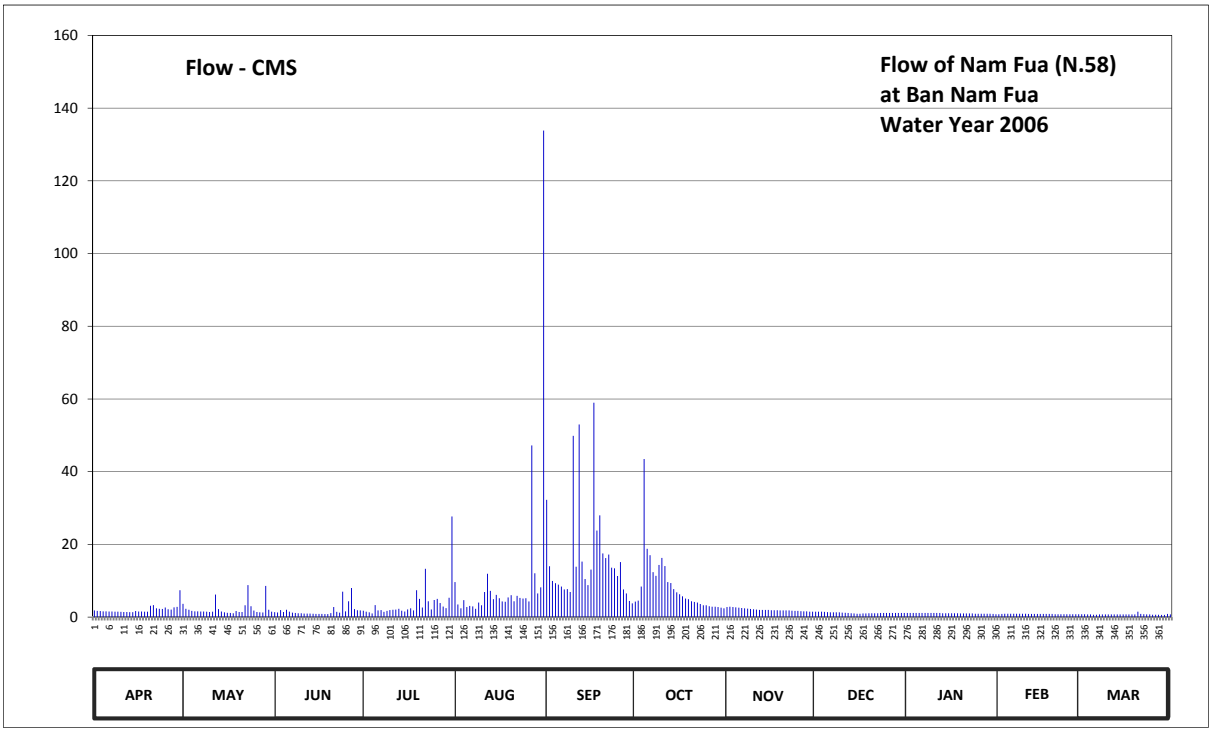
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 209.09 | 209.41 | 208.99 | 209.07 | 210.09 | 211.63 | 209.87 | 209.70 | 209.54 | 209.48 | 209.43 | 209.43 | |
| 2 | 209.06 | 209.18 | 208.96 | 209.02 | 209.38 | 210.45 | 209.90 | 209.71 | 209.54 | 209.48 | 209.44 | 209.43 | |
| 3 | 209.05 | 209.12 | 209.11 | 208.98 | 209.20 | 210.12 | 210.26 | 209.70 | 209.54 | 209.48 | 209.45 | 209.42 | |
| 4 | 209.04 | 209.06 | 209.00 | 208.89 | 209.55 | 210.06 | 212.26 | 209.69 | 209.53 | 209.48 | 209.45 | 209.42 | |
| 5 | 209.04 | 209.04 | 209.12 | 209.35 | 209.26 | 210.02 | 211.01 | 209.68 | 209.52 | 209.48 | 209.45 | 209.41 | |
| 6 | 209.03 | 209.04 | 209.02 | 209.09 | 209.31 | 209.97 | 210.90 | 209.67 | 209.51 | 209.48 | 209.45 | 209.41 | |
| 7 | 209.03 | 209.03 | 208.95 | 209.11 | 209.29 | 209.89 | 210.58 | 209.66 | 209.51 | 209.48 | 209.45 | 209.42 | |
| 8 | 209.02 | 209.03 | 208.92 | 209.01 | 209.18 | 209.90 | 210.50 | 209.65 | 209.51 | 209.48 | 209.45 | 209.42 | |
| 9 | 209.02 | 209.02 | 208.90 | 209.06 | 209.46 | 209.82 | 210.72 | 209.64 | 209.51 | 209.48 | 209.45 | 209.42 | |
| 10 | 209.01 | 209.00 | 208.90 | 209.11 | 209.34 | 212.52 | 210.85 | 209.63 | 209.50 | 209.48 | 209.45 | 209.42 | |
| 11 | 209.00 | 209.02 | 208.88 | 209.12 | 209.82 | 210.44 | 210.70 | 209.62 | 209.49 | 209.48 | 209.44 | 209.42 | |
| 12 | 209.00 | 209.74 | 208.87 | 209.13 | 210.29 | 212.66 | 210.36 | 209.61 | 209.48 | 209.48 | 209.44 | 209.42 | |
| 13 | 208.99 | 209.16 | 208.87 | 209.18 | 209.85 | 210.54 | 210.34 | 209.61 | 209.47 | 209.47 | 209.44 | 209.42 | |
| 14 | 208.99 | 209.03 | 208.86 | 209.07 | 209.59 | 210.17 | 210.20 | 209.61 | 209.46 | 209.47 | 209.44 | 209.42 | |
| 15 | 209.05 | 208.98 | 208.85 | 209.03 | 209.73 | 210.01 | 210.12 | 209.61 | 209.45 | 209.47 | 209.44 | 209.42 | |
| 16 | 209.03 | 208.94 | 208.85 | 209.14 | 209.62 | 210.38 | 210.07 | 209.60 | 209.45 | 209.47 | 209.44 | 209.42 | |
| 17 | 209.03 | 208.92 | 208.85 | 209.20 | 209.50 | 212.92 | 210.02 | 209.60 | 209.46 | 209.47 | 209.44 | 209.42 | |
| 18 | 209.02 | 208.90 | 208.84 | 209.09 | 209.49 | 211.12 | 209.96 | 209.60 | 209.46 | 209.47 | 209.44 | 209.42 | |
| 19 | 209.02 | 209.05 | 208.84 | 209.87 | 209.65 | 211.38 | 209.94 | 209.59 | 209.47 | 209.46 | 209.44 | 209.42 | |
| 20 | 209.32 | 209.00 | 208.91 | 209.60 | 209.72 | 210.70 | 209.88 | 209.59 | 209.47 | 209.46 | 209.43 | 209.54 | |
| 21 | 209.35 | 209.00 | 209.26 | 209.24 | 209.51 | 210.61 | 209.86 | 209.59 | 209.47 | 209.46 | 209.43 | 209.44 | |
| 22 | 209.20 | 209.34 | 209.01 | 210.40 | 209.70 | 210.68 | 209.84 | 209.59 | 209.47 | 209.46 | 209.43 | 209.43 | |
| 23 | 209.18 | 210.01 | 208.95 | 209.51 | 209.63 | 210.42 | 209.80 | 209.58 | 209.48 | 209.46 | 209.43 | 209.42 | |
| 24 | 209.17 | 209.30 | 209.83 | 209.14 | 209.61 | 210.41 | 209.76 | 209.57 | 209.48 | 209.45 | 209.43 | 209.42 | |
| 25 | 209.24 | 209.08 | 209.04 | 209.56 | 209.62 | 210.24 | 209.76 | 209.57 | 209.48 | 209.45 | 209.43 | 209.41 | |
| 26 | 209.15 | 209.00 | 209.51 | 209.60 | 209.50 | 210.53 | 209.73 | 209.56 | 209.48 | 209.45 | 209.43 | 209.41 | |
| 27 | 209.13 | 208.98 | 209.93 | 209.44 | 212.40 | 210.19 | 209.71 | 209.55 | 209.48 | 209.45 | 209.43 | 209.41 | |
| 28 | 209.25 | 208.96 | 209.16 | 209.28 | 210.30 | 210.09 | 209.71 | 209.55 | 209.48 | 209.45 | 209.43 | 209.40 | |
| 29 | 209.27 | 209.99 | 209.10 | 209.21 | 209.78 | 209.89 | 209.70 | 209.54 | 209.48 | 209.45 | | 209.40 | |
| 30 | 209.87 | 209.12 | 209.09 | 209.64 | 209.95 | 209.82 | 209.68 | 209.54 | 209.48 | 209.44 | | 209.44 | |
| 31 | | 209.02 | | 211.36 | 215.45 | | 209.66 | | 209.48 | 209.43 | | 209.42 | |
| Mean | 209.12 | 209.14 | 209.05 | 209.34 | 209.90 | 210.59 | 210.18 | 209.61 | 209.49 | 209.47 | 209.44 | 209.42 | |
| Max | 209.87 | 210.01 | 209.93 | 211.36 | 215.45 | 212.92 | 212.26 | 209.71 | 209.54 | 209.48 | 209.45 | 209.54 | 215.45 |
| Min | 208.99 | 208.90 | 208.84 | 208.89 | 209.18 | 209.82 | 209.66 | 209.54 | 209.45 | 209.43 | 209.43 | 209.40 | 208.84 |

Annual Max Momentary Gage Height 215.71 m. (MSL.) , at 18.00 Hours , on Aug 31, 2006

Zero Gage at Bottom Elevation 208.36 m. (MSL.) , River Bed 208.67 m. (MSL.)

Left Bank Elevation 213.31 m. (MSL.) ,

Right Bank Elevation 213.32 m. (MSL.) , Drainage Are 317 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.85 | 3.67 | 1.37 | 1.75 | 9.65 | 32.27 | 4.27 | 2.75 | 1.51 | 1.12 | 0.80 | 0.80 | | |
| 2 | 1.70 | 2.30 | 1.26 | 1.50 | 3.48 | 14.00 | 4.55 | 2.84 | 1.51 | 1.12 | 0.86 | 0.80 | | |
| 3 | 1.65 | 2.00 | 1.95 | 1.33 | 2.40 | 9.96 | 8.42 | 2.75 | 1.51 | 1.12 | 0.93 | 0.73 | | |
| 4 | 1.60 | 1.70 | 1.40 | 1.02 | 4.65 | 9.33 | 43.50 | 2.67 | 1.45 | 1.12 | 0.93 | 0.73 | | |
| 5 | 1.60 | 1.60 | 2.00 | 3.30 | 2.76 | 8.91 | 18.77 | 2.58 | 1.38 | 1.12 | 0.93 | 0.67 | | |
| 6 | 1.55 | 1.60 | 1.50 | 1.85 | 3.06 | 8.40 | 17.05 | 2.50 | 1.32 | 1.12 | 0.93 | 0.67 | | |
| 7 | 1.55 | 1.55 | 1.23 | 1.95 | 2.94 | 7.60 | 12.35 | 2.41 | 1.32 | 1.12 | 0.93 | 0.73 | | |
| 8 | 1.50 | 1.55 | 1.12 | 1.45 | 2.30 | 7.70 | 11.35 | 2.33 | 1.32 | 1.12 | 0.93 | 0.73 | | |
| 9 | 1.50 | 1.50 | 1.05 | 1.70 | 4.02 | 6.90 | 14.34 | 2.24 | 1.32 | 1.12 | 0.93 | 0.73 | | |
| 10 | 1.45 | 1.40 | 1.05 | 1.95 | 3.24 | 49.84 | 16.28 | 2.16 | 1.25 | 1.12 | 0.93 | 0.73 | | |
| 11 | 1.40 | 1.50 | 0.98 | 2.00 | 6.90 | 13.86 | 14.05 | 2.07 | 1.19 | 1.12 | 0.86 | 0.73 | | |
| 12 | 1.40 | 6.19 | 0.95 | 2.05 | 11.93 | 52.98 | 9.62 | 1.99 | 1.12 | 1.12 | 0.86 | 0.73 | | |
| 13 | 1.37 | 2.20 | 0.95 | 2.30 | 7.20 | 15.26 | 9.38 | 1.99 | 1.06 | 1.06 | 0.86 | 0.73 | | |
| 14 | 1.37 | 1.55 | 0.91 | 1.75 | 4.93 | 10.49 | 7.70 | 1.99 | 0.99 | 1.06 | 0.86 | 0.73 | | |
| 15 | 1.65 | 1.33 | 0.88 | 1.55 | 6.11 | 8.81 | 6.82 | 1.99 | 0.93 | 1.06 | 0.86 | 0.73 | | |
| 16 | 1.55 | 1.19 | 0.88 | 2.10 | 5.17 | 13.05 | 6.27 | 1.90 | 0.93 | 1.06 | 0.86 | 0.73 | | |
| 17 | 1.55 | 1.12 | 0.88 | 2.40 | 4.30 | 58.96 | 5.72 | 1.90 | 0.99 | 1.06 | 0.86 | 0.73 | | |
| 18 | 1.50 | 1.05 | 0.84 | 1.85 | 4.23 | 23.82 | 5.12 | 1.90 | 0.99 | 1.06 | 0.86 | 0.73 | | |
| 19 | 1.50 | 1.65 | 0.84 | 7.40 | 5.43 | 27.98 | 4.93 | 1.84 | 1.06 | 0.99 | 0.86 | 0.73 | | |
| 20 | 3.12 | 1.40 | 1.09 | 5.00 | 6.02 | 17.50 | 4.36 | 1.84 | 1.06 | 0.99 | 0.80 | 1.51 | | |
| 21 | 3.30 | 1.40 | 2.76 | 2.64 | 4.37 | 16.24 | 4.17 | 1.84 | 1.06 | 0.99 | 0.80 | 0.86 | | |
| 22 | 2.40 | 3.24 | 1.45 | 13.30 | 5.85 | 17.22 | 3.98 | 1.84 | 1.06 | 0.99 | 0.80 | 0.80 | | |
| 23 | 2.30 | 8.81 | 1.23 | 4.37 | 5.26 | 13.58 | 3.60 | 1.77 | 1.12 | 0.99 | 0.80 | 0.73 | | |
| 24 | 2.25 | 3.00 | 7.00 | 2.10 | 5.09 | 13.44 | 3.26 | 1.71 | 1.12 | 0.93 | 0.80 | 0.73 | | |
| 25 | 2.64 | 1.80 | 1.60 | 4.72 | 5.17 | 11.30 | 3.26 | 1.71 | 1.12 | 0.93 | 0.80 | 0.67 | | |
| 26 | 2.15 | 1.40 | 4.37 | 5.00 | 4.30 | 15.12 | 3.01 | 1.64 | 1.12 | 0.93 | 0.80 | 0.67 | | |
| 27 | 2.05 | 1.33 | 8.00 | 3.88 | 47.20 | 7.59 | 2.84 | 1.58 | 1.12 | 0.93 | 0.80 | 0.67 | | |
| 28 | 2.70 | 1.26 | 2.20 | 2.88 | 12.05 | 6.49 | 2.84 | 1.58 | 1.12 | 0.93 | 0.80 | 0.60 | | |
| 29 | 2.82 | 8.60 | 1.90 | 2.46 | 6.53 | 4.46 | 2.75 | 1.51 | 1.12 | 0.93 | | 0.60 | | |
| 30 | 7.40 | 2.00 | 1.85 | 5.34 | 8.20 | 3.79 | 2.58 | 1.51 | 1.12 | 0.86 | | 0.86 | | |
| 31 | | 1.50 | | 27.66 | 133.83 | | 2.41 | | 1.12 | 0.80 | | 0.73 | | |
| Total | 62.37 | 72.39 | 55.49 | 120.55 | 338.57 | 506.85 | 259.55 | 61.33 | 36.41 | 31.99 | 24.04 | 23.32 | 1592.86 | CMSDAY |
| Mean | 2.08 | 2.34 | 1.85 | 3.89 | 10.92 | 16.89 | 8.37 | 2.04 | 1.17 | 1.03 | 0.86 | 0.75 | 4.36 | CMS |
| Max | 7.40 | 8.81 | 8.00 | 27.66 | 133.83 | 58.96 | 43.50 | 2.84 | 1.51 | 1.12 | 0.93 | 1.51 | 133.83 | CMS |
| Min | 1.37 | 1.05 | 0.84 | 1.02 | 2.30 | 3.79 | 2.41 | 1.51 | 0.93 | 0.80 | 0.80 | 0.60 | 0.60 | CMS |
| Runoff | 5.39 | 6.25 | 4.79 | 10.42 | 29.25 | 43.79 | 22.43 | 5.30 | 3.15 | 2.76 | 2.08 | 2.01 | 137.62 | MCM |

Momentary Peak 142.80 CMS. at 215.71 m. (MSL.) at 18.00 Hours , on Aug 31, 2006

Runoff Yield 13.72 Liters/Second/Square KM. Momentary Peak Yield 449.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Lam Nam Khan at Ban Na Pho Na Chan , Phitsanulok (N.59)

Lat 17 - 01 - 49 N Long 100 - 50 - 35 E

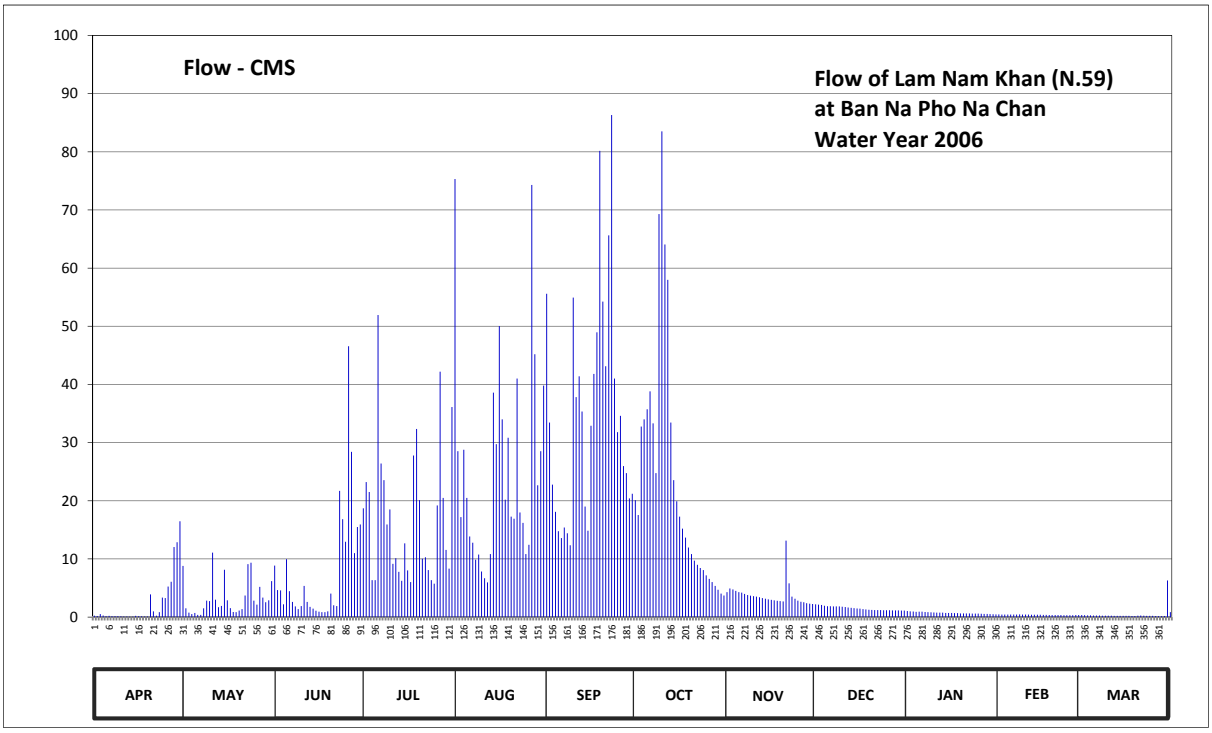
**Location : on left bank at Ban Na Pho Na Chan.**

| | | | |
|---|---|---|---|
| | **Ban** Na Pho Na Chan | **Amphoe** Nakhon Thai | **Changwat** Phitsanulok |
| **Drainge Area** | 415 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +197.680 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 25 meters from the top staff gage. | **Elevation** +206.935 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1984 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +204.520 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 21 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 199.75 | 201.90 | 201.91 | 203.07 | 205.77 | 205.30 | 203.21 | 201.10 | 200.60 | 200.21 | 199.91 | 199.83 | |
| 2 | 199.69 | 200.37 | 201.17 | 203.51 | 203.97 | 204.33 | 202.95 | 201.22 | 200.58 | 200.19 | 199.90 | 199.81 | |
| 3 | 199.94 | 200.08 | 201.16 | 203.35 | 202.91 | 203.47 | 204.28 | 201.19 | 200.56 | 200.18 | 199.89 | 199.80 | |
| 4 | 199.77 | 199.94 | 200.60 | 201.48 | 203.99 | 203.01 | 204.37 | 201.14 | 200.52 | 200.15 | 199.89 | 199.79 | |
| 5 | 199.67 | 200.05 | 202.07 | 201.48 | 203.25 | 202.64 | 204.47 | 201.10 | 200.49 | 200.16 | 199.89 | 199.78 | |
| 6 | 199.73 | 199.86 | 201.13 | 205.19 | 202.54 | 202.51 | 204.63 | 201.08 | 200.49 | 200.16 | 199.89 | 199.77 | |
| 7 | 199.65 | 199.85 | 200.70 | 203.80 | 202.42 | 202.71 | 204.32 | 201.04 | 200.48 | 200.14 | 199.90 | 199.76 | |
| 8 | 199.65 | 200.37 | 200.48 | 203.54 | 202.06 | 202.60 | 203.65 | 201.00 | 200.48 | 200.12 | 199.91 | 199.75 | |
| 9 | 199.66 | 200.76 | 200.32 | 202.77 | 202.17 | 202.37 | 205.65 | 200.97 | 200.48 | 200.11 | 199.90 | 199.74 | |
| 10 | 199.63 | 200.74 | 200.50 | 203.05 | 201.74 | 205.28 | 205.92 | 200.95 | 200.46 | 200.10 | 199.90 | 199.74 | |
| 11 | 199.61 | 202.21 | 201.30 | 201.96 | 201.54 | 204.58 | 205.53 | 200.93 | 200.44 | 200.09 | 199.89 | 199.74 | |
| 12 | 199.60 | 200.80 | 200.70 | 202.09 | 201.41 | 204.76 | 205.37 | 200.90 | 200.42 | 200.08 | 199.88 | 199.73 | |
| 13 | 199.59 | 200.43 | 200.45 | 201.73 | 202.18 | 204.45 | 204.33 | 200.87 | 200.40 | 200.08 | 199.88 | 199.73 | |
| 14 | 199.58 | 200.51 | 200.35 | 201.46 | 204.62 | 203.10 | 203.54 | 200.84 | 200.38 | 200.06 | 199.88 | 199.73 | |
| 15 | 199.72 | 201.79 | 200.23 | 202.41 | 204.06 | 202.65 | 203.19 | 200.81 | 200.36 | 200.06 | 199.87 | 199.72 | |
| 16 | 199.66 | 200.77 | 200.17 | 201.77 | 205.12 | 204.29 | 202.92 | 200.79 | 200.35 | 200.05 | 199.86 | 199.72 | |
| 17 | 199.64 | 200.38 | 200.13 | 201.42 | 204.37 | 204.78 | 202.69 | 200.77 | 200.32 | 200.04 | 199.85 | 199.71 | |
| 18 | 199.61 | 200.14 | 200.13 | 203.91 | 203.22 | 205.08 | 202.52 | 200.75 | 200.31 | 200.04 | 199.83 | 199.69 | |
| 19 | 199.61 | 200.13 | 200.19 | 204.25 | 204.14 | 205.86 | 202.32 | 200.74 | 200.29 | 200.02 | 199.83 | 199.69 | |
| 20 | 201.02 | 200.24 | 201.05 | 203.21 | 202.92 | 205.26 | 202.18 | 200.72 | 200.28 | 200.02 | 199.83 | 199.74 | |
| 21 | 200.20 | 200.32 | 200.54 | 202.08 | 202.88 | 204.84 | 202.04 | 202.46 | 200.27 | 200.01 | 199.83 | 199.78 | |
| 22 | 199.74 | 200.98 | 200.50 | 202.11 | 204.74 | 205.57 | 201.93 | 201.38 | 200.27 | 200.01 | 199.83 | 199.74 | |
| 23 | 200.13 | 201.95 | 203.37 | 201.78 | 203.00 | 205.97 | 201.84 | 200.93 | 200.27 | 200.00 | 199.82 | 199.73 | |
| 24 | 200.89 | 201.99 | 202.87 | 201.48 | 202.80 | 204.74 | 201.78 | 200.84 | 200.26 | 199.99 | 199.82 | 199.72 | |
| 25 | 200.87 | 200.76 | 202.44 | 201.37 | 202.18 | 204.21 | 201.63 | 200.76 | 200.26 | 199.99 | 199.82 | 199.71 | |
| 26 | 201.28 | 200.58 | 204.99 | 203.12 | 202.38 | 204.41 | 201.52 | 200.71 | 200.26 | 199.98 | 199.82 | 199.68 | |
| 27 | 201.43 | 201.27 | 203.96 | 204.80 | 205.75 | 203.76 | 201.42 | 200.69 | 200.25 | 199.97 | 199.83 | 199.66 | |
| 28 | 202.33 | 200.89 | 202.20 | 203.25 | 204.93 | 203.65 | 201.30 | 200.65 | 200.25 | 199.96 | 199.83 | 199.65 | |
| 29 | 202.43 | 200.69 | 202.72 | 202.27 | 203.46 | 203.24 | 201.18 | 200.63 | 200.25 | 199.94 | | 199.68 | |
| 30 | 202.83 | 200.77 | 202.77 | 201.82 | 203.97 | 203.32 | 201.05 | 200.61 | 200.24 | 199.92 | | 201.47 | |
| 31 | | 201.45 | | 204.49 | 204.68 | | 200.98 | | 200.24 | 199.91 | | 200.12 | |
| Mean | 200.23 | 200.74 | 201.37 | 202.71 | 203.39 | 204.09 | 203.06 | 200.95 | 200.37 | 200.06 | 199.86 | 199.80 | |
| Max | 202.83 | 202.21 | 204.99 | 205.19 | 205.77 | 205.97 | 205.92 | 202.46 | 200.60 | 200.21 | 199.91 | 201.47 | 205.97 |
| Min | 199.58 | 199.85 | 200.13 | 201.37 | 201.41 | 202.37 | 200.98 | 200.61 | 200.24 | 199.91 | 199.82 | 199.65 | 199.58 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 206.44 | m. (MSL.) , | at 18.00 Hours , on Sep 19, 2006 | | |
| Zero Gage at Bottom Elevation | 197.68 | m. (MSL.) , | River Bed | 199.48 | m. (MSL.) |
| Left Bank Elevation | 205.60 | m. (MSL.) , | | | |
| Right Bank Elevation | 204.51 | m. (MSL.) , | Drainage Are | 415 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.25 | 8.80 | 8.86 | 18.70 | 75.30 | 55.60 | 20.10 | 4.30 | 2.20 | 1.03 | 0.47 | 0.35 | | |
| 2 | 0.19 | 1.51 | 4.65 | 23.21 | 28.53 | 33.44 | 17.55 | 4.91 | 2.14 | 0.98 | 0.45 | 0.32 | | |
| 3 | 0.51 | 0.76 | 4.60 | 21.50 | 17.19 | 22.77 | 32.75 | 4.75 | 2.08 | 0.96 | 0.44 | 0.30 | | |
| 4 | 0.27 | 0.51 | 2.20 | 6.34 | 28.78 | 18.10 | 33.99 | 4.50 | 1.96 | 0.90 | 0.44 | 0.29 | | |
| 5 | 0.17 | 0.70 | 9.96 | 6.34 | 20.50 | 14.76 | 35.73 | 4.30 | 1.87 | 0.92 | 0.44 | 0.28 | | |
| 6 | 0.23 | 0.39 | 4.45 | 51.93 | 13.86 | 13.59 | 38.80 | 4.20 | 1.87 | 0.92 | 0.44 | 0.27 | | |
| 7 | 0.15 | 0.38 | 2.60 | 26.40 | 12.78 | 15.39 | 33.30 | 4.00 | 1.84 | 0.88 | 0.45 | 0.26 | | |
| 8 | 0.15 | 1.51 | 1.84 | 23.54 | 9.88 | 14.40 | 24.75 | 3.80 | 1.84 | 0.84 | 0.47 | 0.25 | | |
| 9 | 0.16 | 2.84 | 1.36 | 15.93 | 10.76 | 12.36 | 69.30 | 3.68 | 1.84 | 0.82 | 0.45 | 0.24 | | |
| 10 | 0.13 | 2.76 | 1.90 | 18.50 | 7.84 | 54.92 | 83.52 | 3.60 | 1.78 | 0.80 | 0.45 | 0.24 | | |
| 11 | 0.11 | 11.08 | 5.35 | 9.16 | 6.67 | 37.82 | 64.07 | 3.52 | 1.72 | 0.78 | 0.44 | 0.24 | | |
| 12 | 0.10 | 3.00 | 2.60 | 10.12 | 5.96 | 41.40 | 57.98 | 3.40 | 1.66 | 0.76 | 0.42 | 0.23 | | |
| 13 | 0.09 | 1.69 | 1.75 | 7.78 | 10.84 | 35.35 | 33.44 | 3.28 | 1.60 | 0.76 | 0.42 | 0.23 | | |
| 14 | 0.08 | 1.93 | 1.45 | 6.23 | 38.60 | 19.00 | 23.54 | 3.16 | 1.54 | 0.72 | 0.42 | 0.23 | | |
| 15 | 0.22 | 8.14 | 1.09 | 12.69 | 29.73 | 14.85 | 19.90 | 3.04 | 1.48 | 0.72 | 0.41 | 0.22 | | |
| 16 | 0.16 | 2.88 | 0.94 | 8.02 | 50.04 | 32.89 | 17.28 | 2.96 | 1.45 | 0.70 | 0.39 | 0.22 | | |
| 17 | 0.14 | 1.54 | 0.86 | 6.01 | 33.99 | 41.80 | 15.21 | 2.88 | 1.36 | 0.68 | 0.38 | 0.21 | | |
| 18 | 0.11 | 0.88 | 0.86 | 27.78 | 20.20 | 48.96 | 13.68 | 2.80 | 1.33 | 0.68 | 0.35 | 0.19 | | |
| 19 | 0.11 | 0.86 | 0.98 | 32.34 | 30.83 | 80.16 | 11.96 | 2.76 | 1.27 | 0.64 | 0.35 | 0.19 | | |
| 20 | 3.90 | 1.12 | 4.05 | 20.10 | 17.28 | 54.24 | 10.84 | 2.68 | 1.24 | 0.64 | 0.35 | 0.24 | | |
| 21 | 1.00 | 1.36 | 2.02 | 10.04 | 16.92 | 43.12 | 9.72 | 13.14 | 1.21 | 0.62 | 0.35 | 0.28 | | |
| 22 | 0.24 | 3.72 | 1.90 | 10.28 | 41.00 | 65.63 | 8.98 | 5.79 | 1.21 | 0.62 | 0.35 | 0.24 | | |
| 23 | 0.86 | 9.10 | 21.70 | 8.08 | 18.00 | 86.32 | 8.44 | 3.52 | 1.21 | 0.60 | 0.33 | 0.23 | | |
| 24 | 3.36 | 9.34 | 16.83 | 6.34 | 16.20 | 41.00 | 8.08 | 3.16 | 1.18 | 0.59 | 0.33 | 0.22 | | |
| 25 | 3.28 | 2.84 | 12.96 | 5.74 | 10.84 | 31.79 | 7.18 | 2.84 | 1.18 | 0.59 | 0.33 | 0.21 | | |
| 26 | 5.24 | 2.14 | 46.57 | 19.20 | 12.44 | 34.59 | 6.56 | 2.64 | 1.18 | 0.57 | 0.33 | 0.18 | | |
| 27 | 6.07 | 5.19 | 28.40 | 42.20 | 74.30 | 25.96 | 6.01 | 2.56 | 1.15 | 0.56 | 0.35 | 0.16 | | |
| 28 | 12.04 | 3.36 | 11.00 | 20.50 | 45.19 | 24.75 | 5.35 | 2.40 | 1.15 | 0.54 | 0.35 | 0.15 | | |
| 29 | 12.87 | 2.56 | 15.48 | 11.56 | 22.66 | 20.40 | 4.70 | 2.32 | 1.15 | 0.51 | | 0.18 | | |
| 30 | 16.47 | 2.88 | 15.93 | 8.32 | 28.53 | 21.20 | 4.05 | 2.24 | 1.12 | 0.48 | | 6.29 | | |
| 31 | | 6.18 | | 36.11 | 39.80 | | 3.72 | | 1.12 | 0.47 | | 0.84 | | |
| Total | 68.66 | 101.95 | 235.14 | 530.99 | 795.44 | 1056.56 | 730.48 | 113.13 | 46.93 | 22.28 | 11.15 | 13.98 | 3726.69 | CMSDAY |
| Mean | 2.29 | 3.29 | 7.84 | 17.13 | 25.66 | 35.22 | 23.56 | 3.77 | 1.51 | 0.72 | 0.40 | 0.45 | 10.21 | CMS |
| Max | 16.47 | 11.08 | 46.57 | 51.93 | 75.30 | 86.32 | 83.52 | 13.14 | 2.20 | 1.03 | 0.47 | 6.29 | 86.32 | CMS |
| Min | 0.08 | 0.38 | 0.86 | 5.74 | 5.96 | 12.36 | 3.72 | 2.24 | 1.12 | 0.47 | 0.33 | 0.15 | 0.08 | CMS |
| Runoff | 5.93 | 8.81 | 20.32 | 45.88 | 68.73 | 91.29 | 63.11 | 9.77 | 4.05 | 1.92 | 0.96 | 1.21 | 321.99 | MCM |

Momentary Peak 123.36 CMS. at 206.44 m. (MSL.) at 18.00 Hours , on Sep 19, 2006

Runoff Yield 24.60 Liters/Second/Square KM. Momentary Peak Yield 297.25 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Hat Song Khwae , Uttaradit (N.60)

Lat 17 - 24 - 54 N Long 100 - 07 - 58 E

**Location : on right bank about 1 kilometer downstream from Wat Hat Song Khwae.**

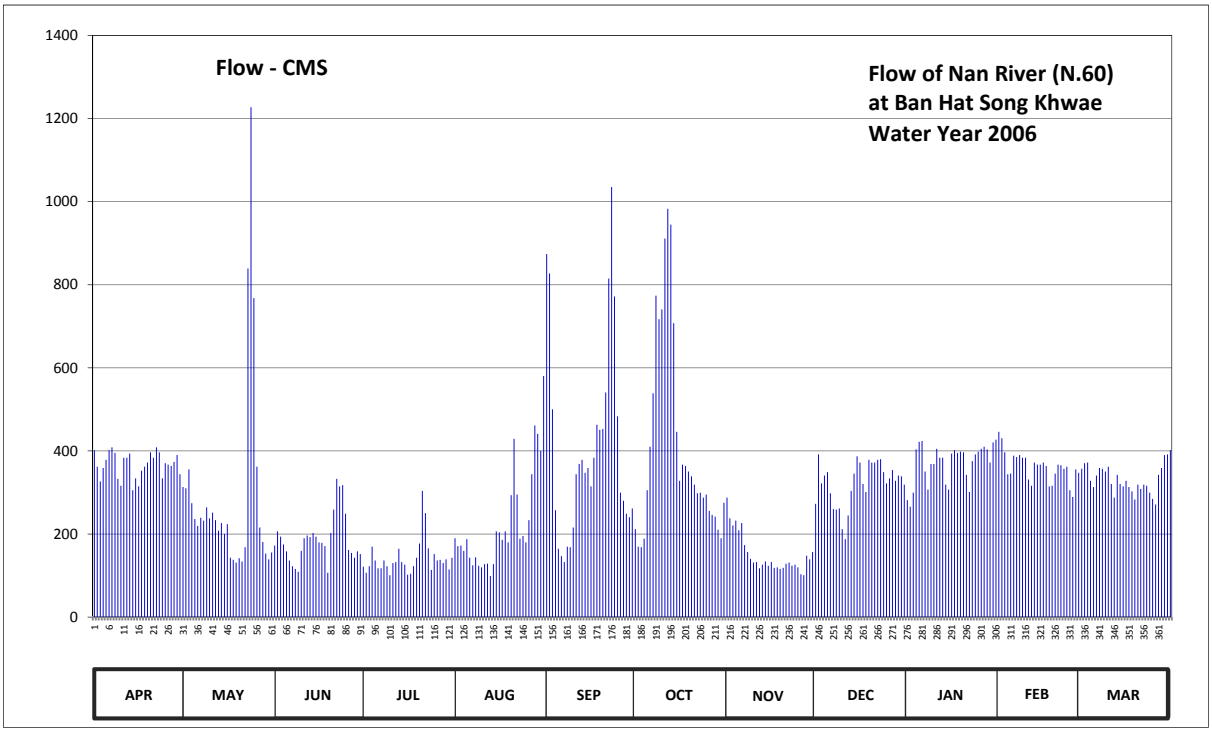
**Ban** Hat Song Khwae **Amphoe** Tron **Changwat** Uttaradit

| | |
|---|---|
| **Drainge Area** | 18,447 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +48.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank near the Meteorological Station. **Elevation** +59.828 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1986 to date |
| **Rating Operation** | |
| **Period of Rating** | 1986 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1986 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records very good. Flow effected by Sirikit Dam reservior. Stage-discharge relation defined by 30 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 51.61 | 51.06 | 50.04 | 49.64 | 50.18 | 54.14 | 50.35 | 50.89 | 50.79 | 50.85 | 51.87 | 51.34 | |
| 2 | 51.37 | 51.04 | 50.31 | 49.52 | 50.03 | 53.92 | 50.02 | 50.54 | 51.55 | 50.74 | 51.78 | 51.42 | |
| 3 | 51.15 | 51.33 | 50.21 | 49.65 | 50.04 | 52.19 | 50.01 | 50.42 | 51.12 | 50.97 | 51.58 | 51.43 | |
| 4 | 51.35 | 50.80 | 50.06 | 50.02 | 49.94 | 50.68 | 50.17 | 50.50 | 51.24 | 51.62 | 51.26 | 51.16 | |
| 5 | 51.47 | 50.53 | 49.93 | 49.76 | 50.16 | 49.98 | 51.01 | 50.33 | 51.29 | 51.73 | 51.27 | 51.06 | |
| 6 | 51.61 | 50.41 | 49.76 | 49.61 | 49.81 | 49.84 | 51.66 | 50.46 | 50.96 | 51.74 | 51.53 | 51.24 | |
| 7 | 51.65 | 50.55 | 49.65 | 49.61 | 49.67 | 49.73 | 52.41 | 50.05 | 50.70 | 51.30 | 51.51 | 51.35 | |
| 8 | 51.57 | 50.50 | 49.60 | 49.76 | 49.82 | 50.02 | 53.65 | 49.92 | 50.69 | 51.02 | 51.54 | 51.34 | |
| 9 | 51.19 | 50.73 | 49.54 | 49.65 | 49.66 | 50.01 | 53.36 | 49.79 | 50.71 | 51.41 | 51.50 | 51.30 | |
| 10 | 51.08 | 50.54 | 49.94 | 49.47 | 49.63 | 50.38 | 53.48 | 49.72 | 50.35 | 51.41 | 51.50 | 51.37 | |
| 11 | 51.50 | 50.64 | 50.18 | 49.71 | 49.69 | 51.26 | 54.31 | 49.73 | 50.16 | 51.63 | 51.18 | 51.11 | |
| 12 | 51.50 | 50.51 | 50.23 | 49.73 | 49.70 | 51.41 | 54.63 | 49.61 | 50.59 | 51.50 | 51.08 | 50.89 | |
| 13 | 51.56 | 50.32 | 50.20 | 49.98 | 49.45 | 51.47 | 54.46 | 49.68 | 51.00 | 51.50 | 51.43 | 51.25 | |
| 14 | 51.01 | 50.46 | 50.28 | 49.73 | 49.69 | 51.28 | 53.31 | 49.74 | 51.27 | 51.10 | 51.40 | 51.11 | |
| 15 | 51.20 | 50.26 | 50.21 | 49.68 | 50.31 | 51.35 | 51.87 | 49.66 | 51.52 | 51.02 | 51.40 | 51.07 | |
| 16 | 51.07 | 50.44 | 50.10 | 49.48 | 50.29 | 51.07 | 51.16 | 49.73 | 51.43 | 51.56 | 51.43 | 51.16 | |
| 17 | 51.31 | 49.81 | 50.09 | 49.50 | 50.15 | 51.50 | 51.40 | 49.62 | 51.11 | 51.61 | 51.38 | 51.06 | |
| 18 | 51.37 | 49.77 | 50.03 | 49.65 | 50.31 | 51.97 | 51.38 | 49.63 | 50.98 | 51.57 | 51.07 | 50.99 | |
| 19 | 51.43 | 49.72 | 49.52 | 49.81 | 50.10 | 51.90 | 51.30 | 49.60 | 51.47 | 51.59 | 51.08 | 50.86 | |
| 20 | 51.58 | 49.80 | 50.28 | 50.08 | 50.93 | 51.91 | 51.23 | 49.62 | 51.43 | 51.58 | 51.27 | 51.10 | |
| 21 | 51.50 | 49.74 | 50.69 | 51.00 | 51.77 | 52.42 | 51.10 | 49.70 | 51.43 | 51.25 | 51.40 | 51.03 | |
| 22 | 51.65 | 50.01 | 51.19 | 50.63 | 50.94 | 53.86 | 50.96 | 49.72 | 51.47 | 50.98 | 51.39 | 51.10 | |
| 23 | 51.58 | 53.98 | 51.07 | 49.99 | 50.17 | 54.86 | 50.97 | 49.66 | 51.48 | 51.45 | 51.34 | 51.08 | |
| 24 | 51.20 | 55.65 | 51.09 | 49.58 | 50.22 | 53.64 | 50.89 | 49.68 | 51.29 | 51.55 | 51.37 | 50.97 | |
| 25 | 51.42 | 53.62 | 50.62 | 49.88 | 50.10 | 52.09 | 50.94 | 49.63 | 51.12 | 51.59 | 51.01 | 50.87 | |
| 26 | 51.40 | 51.37 | 49.96 | 49.76 | 50.51 | 50.97 | 50.67 | 49.49 | 51.20 | 51.63 | 50.90 | 50.78 | |
| 27 | 51.38 | 50.38 | 49.90 | 49.77 | 51.26 | 50.84 | 50.60 | 49.47 | 51.32 | 51.66 | 51.33 | 51.25 | |
| 28 | 51.44 | 50.11 | 49.81 | 49.71 | 51.96 | 50.62 | 50.57 | 49.85 | 51.16 | 51.62 | 51.28 | 51.35 | |
| 29 | 51.54 | 49.89 | 49.93 | 49.78 | 51.84 | 50.56 | 50.34 | 49.78 | 51.24 | 51.43 | | 51.54 | |
| 30 | 51.26 | 49.78 | 49.88 | 49.59 | 51.60 | 50.71 | 50.18 | 49.92 | 51.23 | 51.72 | | 51.55 | |
| 31 | | 49.91 | | 49.81 | 52.64 | | 50.81 | | 51.10 | 51.76 | | 51.61 | |
| Mean | 51.40 | 50.76 | 50.14 | 49.79 | 50.41 | 51.55 | 51.59 | 49.87 | 51.11 | 51.42 | 51.36 | 51.19 | |
| Max | 51.65 | 55.65 | 51.19 | 51.00 | 52.64 | 54.86 | 54.63 | 50.89 | 51.55 | 51.76 | 51.87 | 51.61 | 55.65 |
| Min | 51.01 | 49.72 | 49.52 | 49.47 | 49.45 | 49.73 | 50.01 | 49.47 | 50.16 | 50.74 | 50.90 | 50.78 | 49.45 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 56.04 | m. (MSL.) , | at 04.00 Hours , on May 24, 2006 | | |
| Zero Gage at Bottom Elevation | 48.50 | m. (MSL.) , | River Bed | 43.90 | m. (MSL.) |
| Left Bank Elevation | 57.89 | m. (MSL.) , | | | |
| Right Bank Elevation | 56.76 | m. (MSL.) , | Drainage Are | 18,447 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 401.70 | 313.00 | 172.10 | 121.10 | 189.95 | 873.80 | 211.63 | 287.50 | 272.60 | 281.50 | 445.90 | 357.10 | | |
| 2 | 362.05 | 310.00 | 206.53 | 106.80 | 170.83 | 827.00 | 169.55 | 237.60 | 391.75 | 265.60 | 430.60 | 370.30 | | |
| 3 | 326.50 | 355.45 | 193.78 | 122.38 | 172.10 | 500.30 | 168.28 | 220.80 | 322.00 | 299.50 | 396.70 | 371.95 | | |
| 4 | 358.75 | 274.00 | 174.65 | 169.55 | 159.35 | 257.20 | 188.68 | 232.00 | 340.60 | 403.40 | 343.90 | 328.00 | | |
| 5 | 378.55 | 236.20 | 158.08 | 136.40 | 187.40 | 164.45 | 305.50 | 209.08 | 348.85 | 422.10 | 345.55 | 313.00 | | |
| 6 | 401.70 | 219.40 | 136.40 | 117.28 | 142.78 | 146.60 | 410.20 | 226.40 | 298.00 | 423.80 | 388.45 | 340.60 | | |
| 7 | 408.50 | 239.00 | 122.38 | 117.28 | 124.93 | 132.58 | 538.80 | 173.38 | 260.00 | 350.50 | 385.15 | 358.75 | | |
| 8 | 395.05 | 232.00 | 116.00 | 136.40 | 144.05 | 169.55 | 773.75 | 156.80 | 258.60 | 307.00 | 390.10 | 357.10 | | |
| 9 | 332.50 | 264.20 | 109.10 | 122.38 | 123.65 | 168.28 | 717.20 | 140.23 | 261.40 | 368.65 | 383.50 | 350.50 | | |
| 10 | 316.00 | 237.60 | 159.35 | 101.05 | 119.83 | 215.45 | 740.60 | 131.30 | 211.63 | 368.65 | 383.50 | 362.05 | | |
| 11 | 383.50 | 251.60 | 189.95 | 130.03 | 127.48 | 343.90 | 911.20 | 132.58 | 187.40 | 405.10 | 331.00 | 320.50 | | |
| 12 | 383.50 | 233.40 | 196.33 | 132.58 | 128.75 | 368.65 | 982.75 | 117.28 | 244.60 | 383.50 | 316.00 | 287.50 | | |
| 13 | 393.40 | 207.80 | 192.50 | 164.45 | 98.75 | 378.55 | 944.50 | 126.20 | 304.00 | 383.50 | 371.95 | 342.25 | | |
| 14 | 305.50 | 226.40 | 202.70 | 132.58 | 127.48 | 347.20 | 707.45 | 133.85 | 345.55 | 319.00 | 367.00 | 320.50 | | |
| 15 | 334.00 | 200.15 | 193.78 | 126.20 | 206.53 | 358.75 | 445.90 | 123.65 | 386.80 | 307.00 | 367.00 | 314.50 | | |
| 16 | 314.50 | 223.60 | 179.75 | 102.20 | 203.98 | 314.50 | 328.00 | 132.58 | 371.95 | 393.40 | 371.95 | 328.00 | | |
| 17 | 352.15 | 142.78 | 178.48 | 104.50 | 186.13 | 383.50 | 367.00 | 118.55 | 320.50 | 401.70 | 363.70 | 313.00 | | |
| 18 | 362.05 | 137.68 | 170.83 | 122.38 | 206.53 | 462.90 | 363.70 | 119.83 | 301.00 | 395.05 | 314.50 | 302.50 | | |
| 19 | 371.95 | 131.30 | 106.80 | 142.78 | 179.75 | 451.00 | 350.50 | 116.00 | 378.55 | 398.35 | 316.00 | 283.00 | | |
| 20 | 396.70 | 141.50 | 202.70 | 177.20 | 293.50 | 452.70 | 338.95 | 118.55 | 371.95 | 396.70 | 345.55 | 319.00 | | |
| 21 | 383.50 | 133.85 | 258.60 | 304.00 | 428.90 | 540.60 | 319.00 | 128.75 | 371.95 | 342.25 | 367.00 | 308.50 | | |
| 22 | 408.50 | 168.28 | 332.50 | 250.20 | 295.00 | 815.00 | 298.00 | 131.30 | 378.55 | 301.00 | 365.35 | 319.00 | | |
| 23 | 396.70 | 839.00 | 314.50 | 165.73 | 188.68 | 1035.10 | 299.50 | 123.65 | 380.20 | 375.25 | 357.10 | 316.00 | | |
| 24 | 334.00 | 1227.44 | 317.50 | 113.70 | 195.05 | 771.80 | 287.50 | 126.20 | 348.85 | 391.75 | 362.05 | 299.50 | | |
| 25 | 370.30 | 767.90 | 248.80 | 151.70 | 179.75 | 483.30 | 295.00 | 119.83 | 322.00 | 398.35 | 305.50 | 284.50 | | |
| 26 | 367.00 | 362.05 | 161.90 | 136.40 | 233.40 | 299.50 | 255.80 | 103.35 | 334.00 | 405.10 | 289.00 | 271.20 | | |
| 27 | 363.70 | 215.45 | 154.25 | 137.68 | 343.90 | 280.00 | 246.00 | 101.05 | 353.80 | 410.20 | 355.45 | 342.25 | | |
| 28 | 373.60 | 181.03 | 142.78 | 130.03 | 461.20 | 248.80 | 241.80 | 147.88 | 328.00 | 403.40 | 347.20 | 358.75 | | |
| 29 | 390.10 | 152.98 | 158.08 | 138.95 | 440.80 | 240.40 | 210.35 | 138.95 | 340.60 | 371.95 | | 390.10 | | |
| 30 | 343.90 | 138.95 | 151.70 | 114.85 | 400.00 | 261.40 | 189.95 | 156.80 | 338.95 | 420.40 | | 391.75 | | |
| 31 | | 155.53 | | 142.78 | 580.20 | | 275.50 | | 319.00 | 427.20 | | 401.70 | | |
| Total | 11009.85 | 8919.52 | 5602.80 | 4371.54 | 7040.63 | 12292.76 | 12882.54 | 4531.92 | 9993.63 | 11520.85 | 10106.65 | 10323.35 | 108596.04 | CMSDAY |
| Mean | 367.00 | 287.73 | 186.76 | 141.02 | 227.12 | 409.76 | 415.57 | 151.06 | 322.38 | 371.64 | 360.95 | 333.01 | 297.52 | CMS |
| Max | 408.50 | 1227.44 | 332.50 | 304.00 | 580.20 | 1035.10 | 982.75 | 287.50 | 391.75 | 427.20 | 445.90 | 401.70 | 1227.44 | CMS |
| Min | 305.50 | 131.30 | 106.80 | 101.05 | 98.75 | 132.58 | 168.28 | 101.05 | 187.40 | 265.60 | 289.00 | 271.20 | 98.75 | CMS |
| Runoff | 951.25 | 770.65 | 484.08 | 377.70 | 608.31 | 1062.09 | 1113.05 | 391.56 | 863.45 | 995.40 | 873.21 | 891.94 | 9382.70 | MCM |

Momentary Peak 1326.40 CMS. at 56.04 m. (MSL.) at 04.00 Hours , on May 24, 2006

Runoff Yield 16.13 Liters/Second/Square KM. Momentary Peak Yield 71.90 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Huai Nam Khlung at Ban Huai Tha Nua , Phitsanulok (N.62)

Lat 17 - 14 - 24 N Long 100 - 33 - 18 E

**Location : on left bank at Ban Huai Tha Nua.**

**Ban** Huai Tha Nua **Amphoe** Chat Trakan **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 353 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +190.310 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 60 meters from the top staff gage. **Elevation** +200.077 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1986 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +195.480 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 21 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

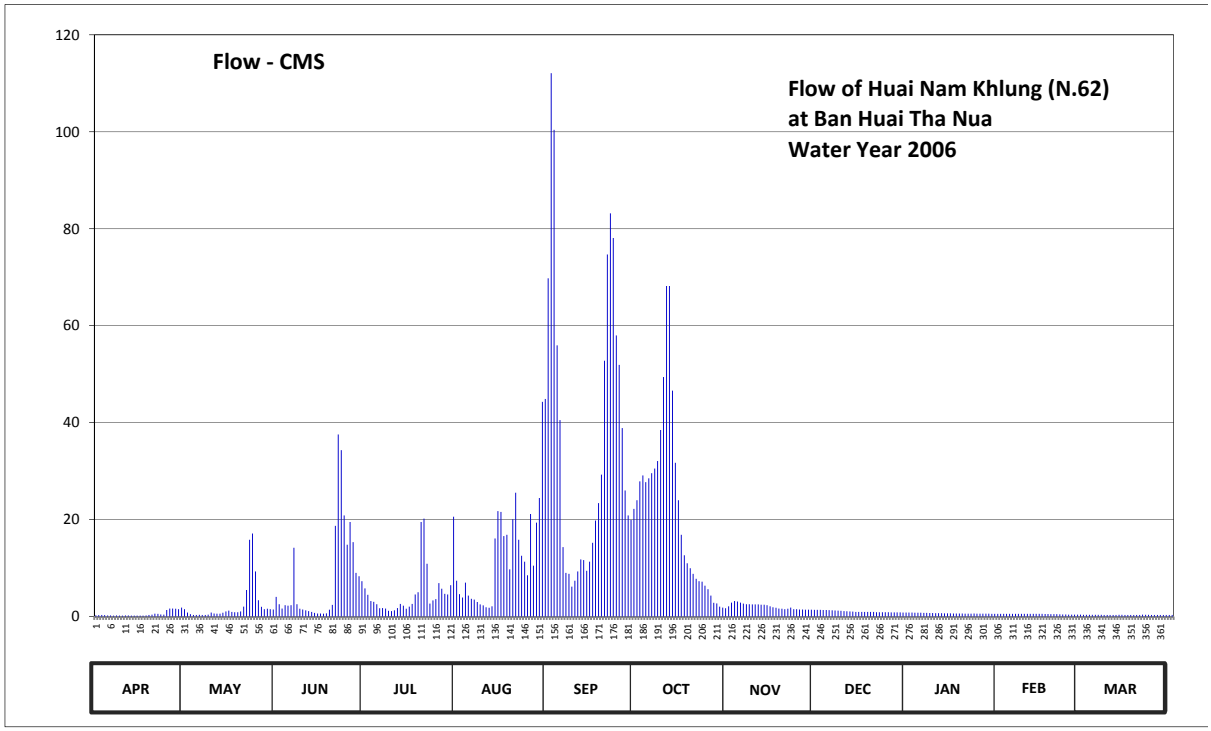
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 190.93 | 191.37 | 191.85 | 192.08 | 192.25 | 195.86 | 193.60 | 191.50 | 191.34 | 191.17 | 191.06 | 190.98 | |
| 2 | 190.95 | 191.17 | 191.59 | 191.91 | 191.93 | 197.36 | 193.85 | 191.65 | 191.34 | 191.17 | 191.06 | 190.98 | |
| 3 | 190.96 | 191.03 | 191.41 | 191.71 | 191.83 | 196.97 | 193.93 | 191.71 | 191.33 | 191.16 | 191.06 | 190.98 | |
| 4 | 190.94 | 190.96 | 191.55 | 191.68 | 192.21 | 195.31 | 193.84 | 191.69 | 191.33 | 191.15 | 191.06 | 190.98 | |
| 5 | 190.92 | 190.97 | 191.53 | 191.59 | 191.89 | 194.58 | 193.89 | 191.65 | 191.32 | 191.15 | 191.06 | 190.98 | |
| 6 | 190.91 | 190.98 | 191.55 | 191.42 | 191.79 | 192.89 | 193.96 | 191.61 | 191.31 | 191.14 | 191.06 | 190.98 | |
| 7 | 190.90 | 190.97 | 192.88 | 191.43 | 191.76 | 192.41 | 194.02 | 191.59 | 191.30 | 191.14 | 191.06 | 190.98 | |
| 8 | 190.91 | 190.96 | 191.59 | 191.41 | 191.67 | 192.39 | 194.11 | 191.59 | 191.29 | 191.13 | 191.06 | 190.97 | |
| 9 | 190.90 | 190.99 | 191.40 | 191.28 | 191.58 | 192.12 | 194.47 | 191.58 | 191.28 | 191.13 | 191.06 | 190.96 | |
| 10 | 190.90 | 191.17 | 191.36 | 191.26 | 191.54 | 192.25 | 195.01 | 191.58 | 191.26 | 191.12 | 191.06 | 190.96 | |
| 11 | 190.91 | 191.09 | 191.31 | 191.31 | 191.46 | 192.44 | 195.80 | 191.58 | 191.25 | 191.11 | 191.06 | 190.97 | |
| 12 | 190.91 | 191.07 | 191.26 | 191.43 | 191.44 | 192.67 | 195.80 | 191.57 | 191.24 | 191.11 | 191.06 | 190.97 | |
| 13 | 190.90 | 191.08 | 191.21 | 191.60 | 191.50 | 192.66 | 194.88 | 191.57 | 191.23 | 191.10 | 191.06 | 190.98 | |
| 14 | 190.90 | 191.16 | 191.14 | 191.53 | 193.03 | 192.45 | 194.09 | 191.55 | 191.22 | 191.10 | 191.06 | 190.98 | |
| 15 | 190.90 | 191.24 | 191.09 | 191.40 | 193.45 | 192.63 | 193.60 | 191.50 | 191.21 | 191.10 | 191.06 | 190.97 | |
| 16 | 190.90 | 191.29 | 191.09 | 191.49 | 193.44 | 192.96 | 193.09 | 191.46 | 191.21 | 191.09 | 191.05 | 190.97 | |
| 17 | 190.90 | 191.21 | 191.08 | 191.60 | 193.07 | 193.31 | 192.75 | 191.44 | 191.21 | 191.09 | 191.05 | 190.96 | |
| 18 | 190.91 | 191.20 | 191.10 | 191.92 | 193.09 | 193.56 | 192.60 | 191.41 | 191.21 | 191.09 | 191.04 | 190.96 | |
| 19 | 190.96 | 191.19 | 191.35 | 191.99 | 192.48 | 193.94 | 192.50 | 191.40 | 191.21 | 191.09 | 191.03 | 190.96 | |
| 20 | 190.99 | 191.24 | 191.56 | 193.29 | 193.33 | 195.17 | 192.39 | 191.38 | 191.21 | 191.08 | 191.03 | 190.97 | |
| 21 | 191.07 | 191.49 | 193.23 | 193.34 | 193.70 | 196.05 | 192.29 | 191.40 | 191.20 | 191.08 | 191.02 | 190.99 | |
| 22 | 191.06 | 192.04 | 194.42 | 192.59 | 193.01 | 196.37 | 192.24 | 191.45 | 191.20 | 191.08 | 191.01 | 190.98 | |
| 23 | 191.01 | 193.01 | 194.24 | 191.61 | 192.74 | 196.18 | 192.23 | 191.38 | 191.19 | 191.09 | 191.01 | 190.98 | |
| 24 | 191.00 | 193.11 | 193.39 | 191.73 | 192.63 | 195.40 | 192.14 | 191.37 | 191.19 | 191.08 | 191.00 | 190.97 | |
| 25 | 191.33 | 192.44 | 192.93 | 191.78 | 192.36 | 195.13 | 192.06 | 191.36 | 191.19 | 191.07 | 191.00 | 190.97 | |
| 26 | 191.41 | 191.74 | 193.29 | 192.20 | 193.41 | 194.49 | 191.89 | 191.36 | 191.18 | 191.07 | 190.99 | 190.96 | |
| 27 | 191.41 | 191.48 | 192.97 | 192.07 | 192.55 | 193.73 | 191.64 | 191.35 | 191.18 | 191.07 | 190.99 | 190.96 | |
| 28 | 191.40 | 191.38 | 192.41 | 191.94 | 193.28 | 193.39 | 191.62 | 191.35 | 191.18 | 191.07 | 190.99 | 190.96 | |
| 29 | 191.37 | 191.40 | 192.34 | 191.92 | 193.63 | 193.32 | 191.49 | 191.35 | 191.18 | 191.06 | | 190.96 | |
| 30 | 191.45 | 191.38 | 192.24 | 192.15 | 194.77 | 193.48 | 191.45 | 191.34 | 191.17 | 191.06 | | 190.96 | |
| 31 | | 191.36 | | 193.37 | 194.80 | | 191.42 | | 191.17 | 191.06 | | 190.96 | |
| Mean | 191.03 | 191.39 | 192.01 | 191.87 | 192.63 | 194.05 | 193.18 | 191.49 | 191.24 | 191.10 | 191.04 | 190.97 | |
| Max | 191.45 | 193.11 | 194.42 | 193.37 | 194.80 | 197.36 | 195.80 | 191.71 | 191.34 | 191.17 | 191.06 | 190.99 | 197.36 |
| Min | 190.90 | 190.96 | 191.08 | 191.26 | 191.44 | 192.12 | 191.42 | 191.34 | 191.17 | 191.06 | 190.99 | 190.96 | 190.90 |

Annual Max Momentary Gage Height 197.41 m. (MSL.) , at 18.00 Hours , on Sep 2, 2006

Zero Gage at Bottom Elevation 190.31 m. (MSL.) , River Bed 190.57 m. (MSL.)

Left Bank Elevation 195.92 m. (MSL.) ,

Right Bank Elevation 195.47 m. (MSL.) , Drainage Are 353 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.26 | 1.50 | 4.05 | 5.82 | 7.40 | 69.76 | 24.00 | 2.10 | 1.39 | 0.83 | 0.55 | 0.36 | | |
| 2 | 0.30 | 0.83 | 2.55 | 4.47 | 4.61 | 112.08 | 27.88 | 2.88 | 1.39 | 0.83 | 0.55 | 0.36 | | |
| 3 | 0.32 | 0.48 | 1.65 | 3.21 | 3.91 | 100.42 | 29.12 | 3.21 | 1.36 | 0.80 | 0.55 | 0.36 | | |
| 4 | 0.28 | 0.32 | 2.35 | 3.04 | 7.00 | 55.93 | 27.72 | 3.10 | 1.36 | 0.78 | 0.55 | 0.36 | | |
| 5 | 0.24 | 0.34 | 2.25 | 2.55 | 4.33 | 40.53 | 28.50 | 2.88 | 1.32 | 0.78 | 0.55 | 0.36 | | |
| 6 | 0.22 | 0.36 | 2.35 | 1.70 | 3.65 | 14.33 | 29.58 | 2.66 | 1.29 | 0.75 | 0.55 | 0.36 | | |
| 7 | 0.20 | 0.34 | 14.20 | 1.75 | 3.48 | 9.01 | 30.54 | 2.55 | 1.25 | 0.75 | 0.55 | 0.36 | | |
| 8 | 0.22 | 0.32 | 2.55 | 1.65 | 2.99 | 8.80 | 32.07 | 2.55 | 1.22 | 0.73 | 0.55 | 0.34 | | |
| 9 | 0.20 | 0.38 | 1.60 | 1.18 | 2.50 | 6.18 | 38.50 | 2.50 | 1.18 | 0.73 | 0.55 | 0.32 | | |
| 10 | 0.20 | 0.83 | 1.46 | 1.11 | 2.30 | 7.40 | 49.41 | 2.50 | 1.11 | 0.70 | 0.55 | 0.32 | | |
| 11 | 0.22 | 0.63 | 1.29 | 1.29 | 1.90 | 9.32 | 68.20 | 2.50 | 1.08 | 0.68 | 0.55 | 0.34 | | |
| 12 | 0.22 | 0.58 | 1.11 | 1.75 | 1.80 | 11.77 | 68.20 | 2.45 | 1.04 | 0.68 | 0.55 | 0.34 | | |
| 13 | 0.20 | 0.60 | 0.94 | 2.60 | 2.10 | 11.66 | 46.62 | 2.45 | 1.01 | 0.65 | 0.55 | 0.36 | | |
| 14 | 0.20 | 0.80 | 0.75 | 2.25 | 16.09 | 9.43 | 31.73 | 2.35 | 0.97 | 0.65 | 0.55 | 0.36 | | |
| 15 | 0.20 | 1.04 | 0.63 | 1.60 | 21.75 | 11.33 | 24.00 | 2.10 | 0.94 | 0.65 | 0.55 | 0.34 | | |
| 16 | 0.20 | 1.22 | 0.63 | 2.05 | 21.60 | 15.20 | 16.87 | 1.90 | 0.94 | 0.63 | 0.53 | 0.34 | | |
| 17 | 0.20 | 0.94 | 0.60 | 2.60 | 16.61 | 19.79 | 12.65 | 1.80 | 0.94 | 0.63 | 0.53 | 0.32 | | |
| 18 | 0.22 | 0.90 | 0.65 | 4.54 | 16.87 | 23.40 | 11.00 | 1.65 | 0.94 | 0.63 | 0.50 | 0.32 | | |
| 19 | 0.32 | 0.88 | 1.43 | 5.03 | 9.74 | 29.27 | 9.95 | 1.60 | 0.94 | 0.63 | 0.48 | 0.32 | | |
| 20 | 0.38 | 1.04 | 2.40 | 19.52 | 20.06 | 52.77 | 8.80 | 1.53 | 0.94 | 0.60 | 0.48 | 0.34 | | |
| 21 | 0.58 | 2.05 | 18.71 | 20.19 | 25.55 | 74.70 | 7.80 | 1.60 | 0.90 | 0.60 | 0.45 | 0.38 | | |
| 22 | 0.55 | 5.46 | 37.57 | 10.90 | 15.83 | 83.19 | 7.30 | 1.85 | 0.90 | 0.60 | 0.43 | 0.36 | | |
| 23 | 0.43 | 15.83 | 34.32 | 2.66 | 12.54 | 78.08 | 7.20 | 1.53 | 0.88 | 0.63 | 0.43 | 0.36 | | |
| 24 | 0.40 | 17.13 | 20.87 | 3.32 | 11.33 | 58.00 | 6.36 | 1.50 | 0.88 | 0.60 | 0.40 | 0.34 | | |
| 25 | 1.36 | 9.32 | 14.83 | 3.59 | 8.50 | 51.93 | 5.64 | 1.46 | 0.88 | 0.58 | 0.40 | 0.34 | | |
| 26 | 1.65 | 3.37 | 19.52 | 6.90 | 21.15 | 38.87 | 4.33 | 1.46 | 0.85 | 0.58 | 0.38 | 0.32 | | |
| 27 | 1.65 | 2.00 | 15.33 | 5.73 | 10.48 | 26.02 | 2.82 | 1.43 | 0.85 | 0.58 | 0.38 | 0.32 | | |
| 28 | 1.60 | 1.53 | 9.01 | 4.68 | 19.38 | 20.87 | 2.71 | 1.43 | 0.85 | 0.58 | 0.38 | 0.32 | | |
| 29 | 1.50 | 1.60 | 8.30 | 4.54 | 24.47 | 19.92 | 2.05 | 1.43 | 0.85 | 0.55 | | 0.32 | | |
| 30 | 1.85 | 1.53 | 7.30 | 6.45 | 44.30 | 22.20 | 1.85 | 1.39 | 0.83 | 0.55 | | 0.32 | | |
| 31 | | 1.46 | | 20.60 | 44.90 | | 1.70 | | 0.83 | 0.55 | | 0.32 | | |
| Total | 16.37 | 75.61 | 231.20 | 159.27 | 409.12 | 1092.16 | 665.10 | 62.34 | 32.11 | 20.51 | 14.02 | 10.58 | 2788.39 | CMSDAY |
| Mean | 0.55 | 2.44 | 7.71 | 5.14 | 13.20 | 36.41 | 21.45 | 2.08 | 1.04 | 0.66 | 0.50 | 0.34 | 7.64 | CMS |
| Max | 1.85 | 17.13 | 37.57 | 20.60 | 44.90 | 112.08 | 68.20 | 3.21 | 1.39 | 0.83 | 0.55 | 0.38 | 112.08 | CMS |
| Min | 0.20 | 0.32 | 0.60 | 1.11 | 1.80 | 6.18 | 1.70 | 1.39 | 0.83 | 0.55 | 0.38 | 0.32 | 0.20 | CMS |
| Runoff | 1.41 | 6.53 | 19.98 | 13.76 | 35.35 | 94.36 | 57.46 | 5.39 | 2.77 | 1.77 | 1.21 | 0.91 | 240.92 | MCM |

Momentary Peak 113.62 CMS. at 197.41 m. (MSL.) at 18.00 Hours , on Sep 2, 2006

Runoff Yield 21.64 Liters/Second/Square KM. Momentary Peak Yield 321.87 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Haeng at Ban Hua Mueang, Nan (N.63)

Lat 18 - 21 - 47 N Long 100 - 43 - 40 E

**Location : on left bank at the bridge on road, tambon Si Sa Ket.**

**Ban** Hua Mueang **Amphoe** Na Noi **Changwat** Nan

| | |
|---|---|
| **Drainge Area** | 795 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +241.916 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 34 meters from the first staff gage. **Elevation** +252.916 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow effected by Nam Ngae reservoir about 6 kilometers above gage site. Stage-discharge relation defined by 25 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

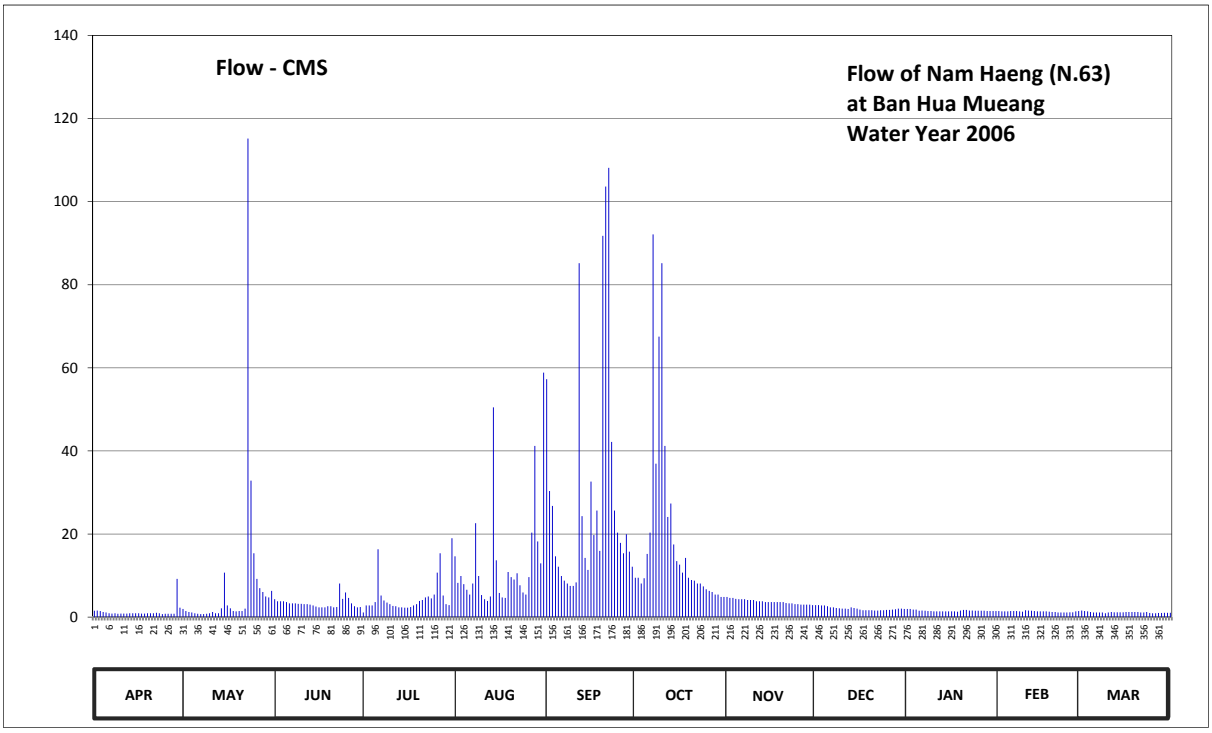
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 243.06 | 243.12 | 243.37 | 243.00 | 244.08 | 246.04 | 243.77 | 243.42 | 243.23 | 243.12 | 243.05 | 243.07 | |
| 2 | 243.07 | 243.05 | 243.32 | 243.22 | 243.68 | 244.90 | 243.77 | 243.40 | 243.23 | 243.12 | 243.04 | 243.05 | |
| 3 | 243.05 | 243.02 | 243.32 | 243.22 | 243.80 | 244.72 | 243.67 | 243.40 | 243.22 | 243.10 | 243.04 | 243.04 | |
| 4 | 243.02 | 243.00 | 243.32 | 243.22 | 243.66 | 244.08 | 243.76 | 243.38 | 243.22 | 243.10 | 243.04 | 243.02 | |
| 5 | 243.00 | 242.97 | 243.30 | 243.30 | 243.56 | 243.94 | 244.11 | 243.37 | 243.20 | 243.06 | 243.05 | 243.00 | |
| 6 | 242.97 | 242.95 | 243.27 | 244.17 | 243.47 | 243.80 | 244.38 | 243.37 | 243.17 | 243.07 | 243.05 | 243.00 | |
| 7 | 242.96 | 242.94 | 243.27 | 243.45 | 243.67 | 243.72 | 247.20 | 243.37 | 243.17 | 243.06 | 243.05 | 243.00 | |
| 8 | 242.97 | 242.94 | 243.27 | 243.34 | 244.50 | 243.67 | 245.21 | 243.35 | 243.15 | 243.05 | 243.04 | 243.00 | |
| 9 | 242.95 | 242.95 | 243.26 | 243.29 | 243.80 | 243.63 | 246.41 | 243.35 | 243.14 | 243.05 | 243.03 | 242.97 | |
| 10 | 242.96 | 242.97 | 243.26 | 243.25 | 243.46 | 243.63 | 246.99 | 243.35 | 243.13 | 243.04 | 243.08 | 243.00 | |
| 11 | 242.96 | 243.02 | 243.25 | 243.21 | 243.37 | 243.69 | 245.40 | 243.32 | 243.13 | 243.04 | 243.07 | 243.02 | |
| 12 | 242.96 | 242.97 | 243.25 | 243.20 | 243.33 | 246.99 | 244.58 | 243.32 | 243.12 | 243.04 | 243.06 | 243.01 | |
| 13 | 242.97 | 242.97 | 243.24 | 243.17 | 243.43 | 244.59 | 244.75 | 243.32 | 243.17 | 243.04 | 243.05 | 243.01 | |
| 14 | 242.97 | 243.14 | 243.22 | 243.17 | 245.78 | 244.06 | 244.23 | 243.30 | 243.15 | 243.04 | 243.04 | 243.01 | |
| 15 | 242.97 | 243.85 | 243.19 | 243.16 | 244.03 | 243.89 | 244.02 | 243.30 | 243.13 | 243.04 | 243.04 | 243.01 | |
| 16 | 242.97 | 243.22 | 243.17 | 243.16 | 243.50 | 245.01 | 243.97 | 243.30 | 243.10 | 243.04 | 243.04 | 243.02 | |
| 17 | 242.96 | 243.14 | 243.17 | 243.18 | 243.41 | 244.35 | 243.85 | 243.30 | 243.08 | 243.04 | 243.04 | 243.02 | |
| 18 | 242.96 | 243.05 | 243.17 | 243.22 | 243.40 | 244.66 | 244.06 | 243.30 | 243.08 | 243.03 | 243.03 | 243.02 | |
| 19 | 242.97 | 243.04 | 243.20 | 243.25 | 243.86 | 244.15 | 243.77 | 243.30 | 243.08 | 243.07 | 243.02 | 243.02 | |
| 20 | 242.97 | 243.05 | 243.20 | 243.33 | 243.78 | 247.19 | 243.73 | 243.30 | 243.08 | 243.09 | 243.02 | 243.02 | |
| 21 | 242.97 | 243.05 | 243.17 | 243.35 | 243.74 | 247.54 | 243.72 | 243.28 | 243.07 | 243.09 | 243.00 | 243.00 | |
| 22 | 242.99 | 243.13 | 243.18 | 243.41 | 243.84 | 247.67 | 243.67 | 243.27 | 243.07 | 243.07 | 243.00 | 243.00 | |
| 23 | 242.97 | 247.87 | 243.67 | 243.43 | 243.64 | 245.44 | 243.67 | 243.27 | 243.08 | 243.07 | 243.00 | 243.02 | |
| 24 | 242.94 | 245.02 | 243.38 | 243.39 | 243.51 | 244.66 | 243.62 | 243.25 | 243.08 | 243.06 | 243.00 | 242.98 | |
| 25 | 242.95 | 244.12 | 243.51 | 243.47 | 243.47 | 244.38 | 243.57 | 243.25 | 243.09 | 243.06 | 243.01 | 242.97 | |
| 26 | 242.95 | 243.75 | 243.40 | 243.85 | 243.78 | 244.25 | 243.54 | 243.24 | 243.09 | 243.06 | 243.01 | 242.97 | |
| 27 | 242.95 | 243.59 | 243.27 | 244.12 | 244.38 | 244.12 | 243.52 | 243.24 | 243.10 | 243.06 | 243.04 | 242.98 | |
| 28 | 242.95 | 243.52 | 243.20 | 243.45 | 245.40 | 244.36 | 243.47 | 243.24 | 243.11 | 243.05 | 243.05 | 242.98 | |
| 29 | 243.75 | 243.43 | 243.17 | 243.25 | 244.27 | 244.14 | 243.47 | 243.24 | 243.13 | 243.05 | | 242.99 | |
| 30 | 243.16 | 243.41 | 243.18 | 243.23 | 243.99 | 243.94 | 243.42 | 243.23 | 243.13 | 243.05 | | 242.99 | |
| 31 | | 243.54 | | 244.31 | 246.10 | | 243.42 | | 243.12 | 243.05 | | 242.99 | |
| Mean | 243.01 | 243.41 | 243.27 | 243.38 | 243.93 | 244.71 | 244.22 | 243.31 | 243.13 | 243.06 | 243.04 | 243.01 | |
| Max | 243.75 | 247.87 | 243.67 | 244.31 | 246.10 | 247.67 | 247.20 | 243.42 | 243.23 | 243.12 | 243.08 | 243.07 | 247.87 |
| Min | 242.94 | 242.94 | 243.17 | 243.00 | 243.33 | 243.63 | 243.42 | 243.23 | 243.07 | 243.03 | 243.00 | 242.97 | 242.94 |

Annual Max Momentary Gage Height 248.72 m. (MSL.) , at 12.00 Hours , on May 23, 2006

Zero Gage at Bottom Elevation 241.92 m. (MSL.) , River Bed 242.68 m. (MSL.)

Left Bank Elevation 252.03 m. (MSL.) ,

Right Bank Elevation 251.20 m. (MSL.) , Drainage Are 795 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.52 | 1.96 | 4.30 | 1.10 | 14.62 | 57.26 | 9.48 | 4.84 | 2.90 | 1.96 | 1.45 | 1.59 | | |
| 2 | 1.59 | 1.45 | 3.80 | 2.80 | 8.22 | 30.35 | 9.48 | 4.60 | 2.90 | 1.96 | 1.38 | 1.45 | | |
| 3 | 1.45 | 1.24 | 3.80 | 2.80 | 9.90 | 26.78 | 8.08 | 4.60 | 2.80 | 1.80 | 1.38 | 1.38 | | |
| 4 | 1.24 | 1.10 | 3.80 | 2.80 | 7.94 | 14.62 | 9.34 | 4.40 | 2.80 | 1.80 | 1.38 | 1.24 | | |
| 5 | 1.10 | 0.92 | 3.60 | 3.60 | 6.58 | 12.14 | 15.19 | 4.30 | 2.60 | 1.52 | 1.45 | 1.10 | | |
| 6 | 0.92 | 0.80 | 3.30 | 16.33 | 5.44 | 9.90 | 20.32 | 4.30 | 2.36 | 1.59 | 1.45 | 1.10 | | |
| 7 | 0.86 | 0.74 | 3.30 | 5.20 | 8.08 | 8.78 | 92.10 | 4.30 | 2.36 | 1.52 | 1.45 | 1.10 | | |
| 8 | 0.92 | 0.74 | 3.30 | 4.00 | 22.60 | 8.08 | 36.93 | 4.10 | 2.20 | 1.45 | 1.38 | 1.10 | | |
| 9 | 0.80 | 0.80 | 3.20 | 3.50 | 9.90 | 7.52 | 67.49 | 4.10 | 2.12 | 1.45 | 1.31 | 0.92 | | |
| 10 | 0.86 | 0.92 | 3.20 | 3.10 | 5.32 | 7.52 | 85.18 | 4.10 | 2.04 | 1.38 | 1.66 | 1.10 | | |
| 11 | 0.86 | 1.24 | 3.10 | 2.70 | 4.30 | 8.36 | 41.20 | 3.80 | 2.04 | 1.38 | 1.59 | 1.24 | | |
| 12 | 0.86 | 0.92 | 3.10 | 2.60 | 3.90 | 85.18 | 24.12 | 3.80 | 1.96 | 1.38 | 1.52 | 1.17 | | |
| 13 | 0.92 | 0.92 | 3.00 | 2.36 | 4.96 | 24.31 | 27.35 | 3.80 | 2.36 | 1.38 | 1.45 | 1.17 | | |
| 14 | 0.92 | 2.12 | 2.80 | 2.36 | 50.50 | 14.24 | 17.47 | 3.60 | 2.20 | 1.38 | 1.38 | 1.17 | | |
| 15 | 0.92 | 10.70 | 2.52 | 2.28 | 13.67 | 11.34 | 13.48 | 3.60 | 2.04 | 1.38 | 1.38 | 1.17 | | |
| 16 | 0.92 | 2.80 | 2.36 | 2.28 | 5.80 | 32.62 | 12.62 | 3.60 | 1.80 | 1.38 | 1.38 | 1.24 | | |
| 17 | 0.86 | 2.12 | 2.36 | 2.44 | 4.72 | 19.75 | 10.70 | 3.60 | 1.66 | 1.38 | 1.38 | 1.24 | | |
| 18 | 0.86 | 1.45 | 2.36 | 2.80 | 4.60 | 25.64 | 14.24 | 3.60 | 1.66 | 1.31 | 1.31 | 1.24 | | |
| 19 | 0.92 | 1.38 | 2.60 | 3.10 | 10.86 | 15.95 | 9.48 | 3.60 | 1.66 | 1.59 | 1.24 | 1.24 | | |
| 20 | 0.92 | 1.45 | 2.60 | 3.90 | 9.62 | 91.77 | 8.92 | 3.60 | 1.66 | 1.73 | 1.24 | 1.24 | | |
| 21 | 0.92 | 1.45 | 2.36 | 4.10 | 9.06 | 103.63 | 8.78 | 3.40 | 1.59 | 1.73 | 1.10 | 1.10 | | |
| 22 | 1.04 | 2.04 | 2.44 | 4.72 | 10.54 | 108.15 | 8.08 | 3.30 | 1.59 | 1.59 | 1.10 | 1.10 | | |
| 23 | 0.92 | 115.19 | 8.08 | 4.96 | 7.66 | 42.16 | 8.08 | 3.30 | 1.66 | 1.59 | 1.10 | 1.24 | | |
| 24 | 0.74 | 32.83 | 4.40 | 4.50 | 5.93 | 25.64 | 7.38 | 3.10 | 1.66 | 1.52 | 1.10 | 0.98 | | |
| 25 | 0.80 | 15.38 | 5.93 | 5.44 | 5.44 | 20.32 | 6.71 | 3.10 | 1.73 | 1.52 | 1.17 | 0.92 | | |
| 26 | 0.80 | 9.20 | 4.60 | 10.70 | 9.62 | 17.85 | 6.32 | 3.00 | 1.73 | 1.52 | 1.17 | 0.92 | | |
| 27 | 0.80 | 6.97 | 3.30 | 15.38 | 20.32 | 15.38 | 6.06 | 3.00 | 1.80 | 1.52 | 1.38 | 0.98 | | |
| 28 | 0.80 | 6.06 | 2.60 | 5.20 | 41.20 | 19.94 | 5.44 | 3.00 | 1.88 | 1.45 | 1.45 | 0.98 | | |
| 29 | 9.20 | 4.96 | 2.36 | 3.10 | 18.23 | 15.76 | 5.44 | 3.00 | 2.04 | 1.45 | | 1.04 | | |
| 30 | 2.28 | 4.72 | 2.44 | 2.90 | 12.94 | 12.14 | 4.84 | 2.90 | 2.04 | 1.45 | | 1.04 | | |
| 31 | | 6.32 | | 18.99 | 58.85 | | 4.84 | | 1.96 | 1.45 | | 1.04 | | |
| Total | 38.52 | 240.89 | 100.91 | 152.04 | 411.32 | 893.08 | 605.14 | 111.34 | 63.80 | 47.51 | 37.73 | 35.54 | 2737.82 | CMSDAY |
| Mean | 1.28 | 7.77 | 3.36 | 4.90 | 13.27 | 29.77 | 19.52 | 3.71 | 2.06 | 1.53 | 1.35 | 1.15 | 7.50 | CMS |
| Max | 9.20 | 115.19 | 8.08 | 18.99 | 58.85 | 108.15 | 92.10 | 4.84 | 2.90 | 1.96 | 1.66 | 1.59 | 115.19 | CMS |
| Min | 0.74 | 0.74 | 2.36 | 1.10 | 3.90 | 7.52 | 4.84 | 2.90 | 1.59 | 1.31 | 1.10 | 0.92 | 0.74 | CMS |
| Runoff | 3.33 | 20.81 | 8.72 | 13.14 | 35.54 | 77.16 | 52.28 | 9.62 | 5.51 | 4.10 | 3.26 | 3.07 | 236.55 | MCM |

Momentary Peak 146.96 CMS. at 248.72 m. (MSL.) at 12.00 Hours , on May 23, 2006

Runoff Yield 9.44 Liters/Second/Square KM. Momentary Peak Yield 184.86 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Pha Khwang , Nan (N.64)

Lat 19 - 00 - 32 N Long 100 - 47 - 19 E

**Location : on right bank at the bridge on highway from Tambon Bo.**

**Ban** Pha Khwang **Amphoe** Mueang **Changwat** Nan

| | |
|---|---|
| **Drainge Area** | 3,476 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +210.897 m. (MSL.) |
| **Bench Mark** | B.M.- Temporary. |
| **Location BM** | On right bank at the approach of the bridge. **Elevation** +224.092 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1994 to date |
| **Rating Operation** | |
| **Period of Rating** | 1994 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1994 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +223.640 m.(MSL.) and is including overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 32 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

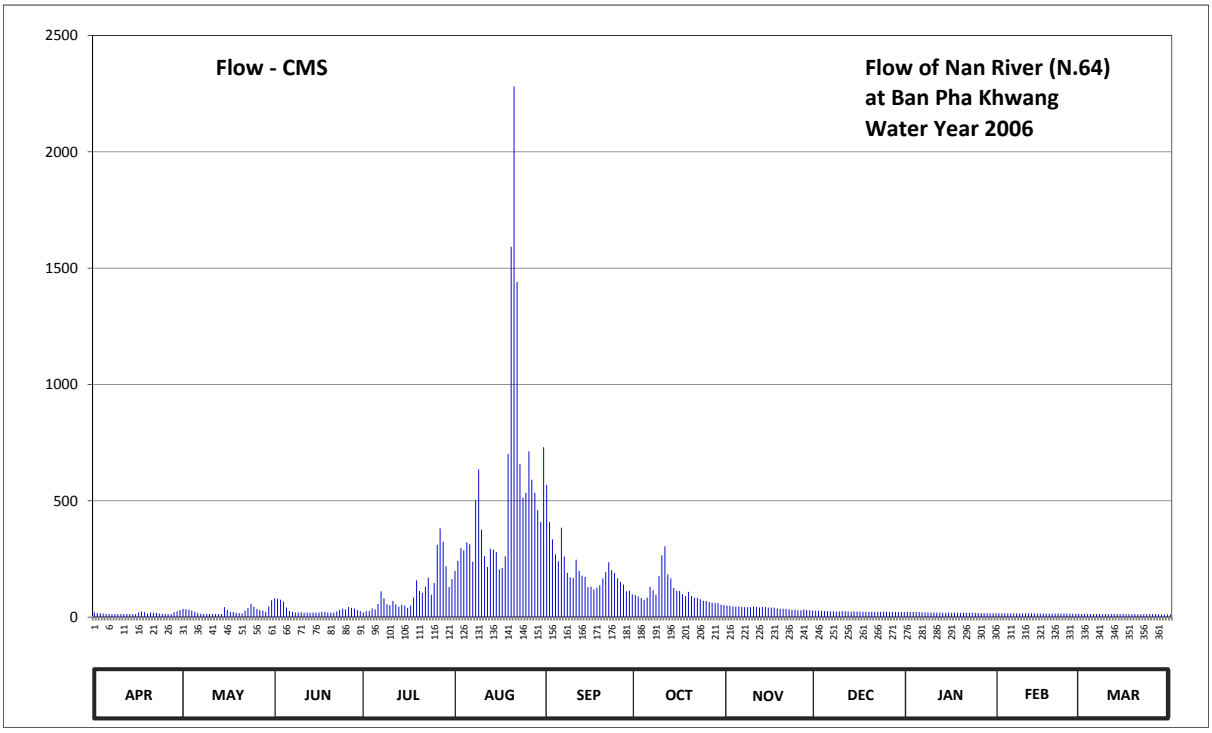
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 211.72 | 211.97 | 212.65 | 211.71 | 214.03 | 217.03 | 212.82 | 212.18 | 211.84 | 211.74 | 211.65 | 211.60 | |
| 2 | 211.67 | 211.94 | 212.62 | 211.80 | 214.46 | 215.85 | 212.75 | 212.16 | 211.82 | 211.74 | 211.65 | 211.60 | |
| 3 | 211.65 | 211.91 | 212.56 | 211.81 | 214.94 | 215.27 | 212.67 | 212.13 | 211.81 | 211.74 | 211.65 | 211.60 | |
| 4 | 211.62 | 211.85 | 212.44 | 211.99 | 214.86 | 214.71 | 212.53 | 212.11 | 211.81 | 211.74 | 211.65 | 211.60 | |
| 5 | 211.60 | 211.75 | 212.05 | 211.92 | 215.16 | 214.44 | 212.68 | 212.12 | 211.80 | 211.74 | 211.64 | 211.60 | |
| 6 | 211.59 | 211.66 | 211.81 | 212.29 | 215.09 | 215.67 | 213.26 | 212.09 | 211.79 | 211.72 | 211.64 | 211.59 | |
| 7 | 211.57 | 211.61 | 211.75 | 213.03 | 214.42 | 214.63 | 213.09 | 212.08 | 211.79 | 211.72 | 211.64 | 211.59 | |
| 8 | 211.58 | 211.59 | 211.71 | 212.65 | 216.56 | 213.94 | 212.84 | 212.08 | 211.78 | 211.71 | 211.64 | 211.59 | |
| 9 | 211.58 | 211.58 | 211.70 | 212.28 | 217.50 | 213.73 | 213.80 | 212.08 | 211.78 | 211.71 | 211.65 | 211.59 | |
| 10 | 211.58 | 211.60 | 211.72 | 212.20 | 215.61 | 213.70 | 214.67 | 212.12 | 211.80 | 211.70 | 211.65 | 211.59 | |
| 11 | 211.60 | 211.60 | 211.70 | 212.49 | 214.65 | 214.50 | 215.01 | 212.10 | 211.80 | 211.70 | 211.65 | 211.58 | |
| 12 | 211.60 | 211.59 | 211.70 | 212.27 | 214.19 | 214.03 | 213.87 | 212.07 | 211.78 | 211.70 | 211.65 | 211.58 | |
| 13 | 211.59 | 211.59 | 211.69 | 212.11 | 214.92 | 213.81 | 213.68 | 212.09 | 211.77 | 211.69 | 211.64 | 211.58 | |
| 14 | 211.59 | 211.60 | 211.70 | 212.25 | 214.89 | 213.75 | 213.21 | 212.09 | 211.79 | 211.69 | 211.63 | 211.58 | |
| 15 | 211.58 | 212.08 | 211.70 | 212.18 | 214.80 | 213.25 | 213.07 | 212.05 | 211.78 | 211.70 | 211.63 | 211.58 | |
| 16 | 211.72 | 211.89 | 211.71 | 212.03 | 214.09 | 213.28 | 213.05 | 212.04 | 211.78 | 211.69 | 211.63 | 211.57 | |
| 17 | 211.79 | 211.76 | 211.76 | 212.19 | 214.15 | 213.14 | 212.88 | 212.04 | 211.76 | 211.69 | 211.63 | 211.57 | |
| 18 | 211.73 | 211.74 | 211.76 | 212.68 | 214.64 | 213.23 | 212.77 | 211.99 | 211.76 | 211.69 | 211.63 | 211.57 | |
| 19 | 211.64 | 211.68 | 211.70 | 213.59 | 217.95 | 213.35 | 213.01 | 211.97 | 211.76 | 211.69 | 211.63 | 211.57 | |
| 20 | 211.70 | 211.66 | 211.70 | 213.05 | 222.95 | 213.68 | 212.78 | 211.97 | 211.75 | 211.69 | 211.62 | 211.57 | |
| 21 | 211.69 | 211.65 | 211.70 | 212.96 | 224.69 | 213.97 | 212.68 | 211.96 | 211.75 | 211.68 | 211.62 | 211.57 | |
| 22 | 211.67 | 211.83 | 211.78 | 213.28 | 222.16 | 214.40 | 212.67 | 211.94 | 211.75 | 211.68 | 211.62 | 211.57 | |
| 23 | 211.62 | 212.02 | 211.89 | 213.72 | 217.66 | 214.06 | 212.59 | 211.90 | 211.76 | 211.68 | 211.62 | 211.57 | |
| 24 | 211.60 | 212.30 | 211.98 | 212.85 | 216.64 | 213.93 | 212.49 | 211.91 | 211.76 | 211.68 | 211.62 | 211.58 | |
| 25 | 211.59 | 212.11 | 211.92 | 213.46 | 216.79 | 213.68 | 212.48 | 211.87 | 211.76 | 211.67 | 211.61 | 211.58 | |
| 26 | 211.59 | 211.96 | 212.09 | 215.07 | 218.03 | 213.51 | 212.41 | 211.87 | 211.75 | 211.66 | 211.61 | 211.58 | |
| 27 | 211.59 | 211.88 | 212.03 | 215.65 | 217.19 | 213.38 | 212.37 | 211.92 | 211.75 | 211.66 | 211.61 | 211.56 | |
| 28 | 211.73 | 211.85 | 211.99 | 215.19 | 216.79 | 213.04 | 212.35 | 211.88 | 211.74 | 211.65 | 211.61 | 211.56 | |
| 29 | 211.79 | 211.75 | 211.88 | 214.22 | 216.24 | 213.07 | 212.34 | 211.87 | 211.74 | 211.65 | | 211.56 | |
| 30 | 211.88 | 212.12 | 211.80 | 213.26 | 215.85 | 212.87 | 212.25 | 211.85 | 211.74 | 211.65 | | 211.56 | |
| 31 | | 212.53 | | 213.64 | 218.15 | | 212.23 | | 211.74 | 211.65 | | 211.56 | |
| Mean | 211.65 | 211.83 | 211.91 | 212.90 | 216.45 | 214.03 | 212.95 | 212.02 | 211.77 | 211.69 | 211.63 | 211.58 | |
| Max | 211.88 | 212.53 | 212.65 | 215.65 | 224.69 | 217.03 | 215.01 | 212.18 | 211.84 | 211.74 | 211.65 | 211.60 | 224.69 |
| Min | 211.57 | 211.58 | 211.69 | 211.71 | 214.03 | 212.87 | 212.23 | 211.85 | 211.74 | 211.65 | 211.61 | 211.56 | 211.56 |

Annual Max Momentary Gage Height 225.15 m. (MSL.) , at 01.00 Hours , on Aug 21, 2006

Zero Gage at Bottom Elevation 210.90 m. (MSL.) , River Bed 210.66 m. (MSL.)

Left Bank Elevation 226.68 m. (MSL.) ,

Right Bank Elevation 223.63 m. (MSL.) , Drainage Are 3,476 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.58 | 35.84 | 81.35 | 19.99 | 199.00 | 568.20 | 94.00 | 49.22 | 27.78 | 21.76 | 16.55 | 13.70 | | |
| 2 | 17.69 | 33.98 | 79.16 | 25.30 | 242.30 | 407.50 | 88.75 | 47.94 | 26.54 | 21.76 | 16.55 | 13.70 | | |
| 3 | 16.55 | 32.12 | 74.82 | 25.92 | 296.10 | 334.40 | 82.81 | 46.02 | 25.92 | 21.76 | 16.55 | 13.70 | | |
| 4 | 14.84 | 28.40 | 66.42 | 37.08 | 286.90 | 269.65 | 72.66 | 44.74 | 25.92 | 21.76 | 16.55 | 13.70 | | |
| 5 | 13.70 | 22.35 | 40.90 | 32.74 | 321.40 | 240.20 | 83.54 | 45.38 | 25.30 | 21.76 | 15.98 | 13.70 | | |
| 6 | 13.21 | 17.12 | 25.92 | 56.35 | 313.35 | 384.10 | 129.10 | 43.46 | 24.71 | 20.58 | 15.98 | 13.21 | | |
| 7 | 12.23 | 14.27 | 22.35 | 110.40 | 238.10 | 260.45 | 115.20 | 42.82 | 24.71 | 20.58 | 15.98 | 13.21 | | |
| 8 | 12.72 | 13.21 | 19.99 | 81.35 | 502.60 | 190.30 | 95.50 | 42.82 | 24.12 | 19.99 | 15.98 | 13.21 | | |
| 9 | 12.72 | 12.72 | 19.40 | 55.70 | 634.50 | 170.70 | 177.00 | 42.82 | 24.12 | 19.99 | 16.55 | 13.21 | | |
| 10 | 12.72 | 13.70 | 20.58 | 50.50 | 376.30 | 168.00 | 265.05 | 45.38 | 25.30 | 19.40 | 16.55 | 13.21 | | |
| 11 | 13.70 | 13.70 | 19.40 | 69.82 | 262.75 | 246.50 | 304.15 | 44.10 | 25.30 | 19.40 | 16.55 | 12.72 | | |
| 12 | 13.70 | 13.21 | 19.40 | 55.05 | 215.00 | 199.00 | 183.65 | 42.18 | 24.12 | 19.40 | 16.55 | 12.72 | | |
| 13 | 13.21 | 13.21 | 18.83 | 44.74 | 293.80 | 177.95 | 166.20 | 43.46 | 23.53 | 18.83 | 15.98 | 12.72 | | |
| 14 | 13.21 | 13.70 | 19.40 | 53.75 | 290.35 | 172.50 | 124.85 | 43.46 | 24.71 | 18.83 | 15.41 | 12.72 | | |
| 15 | 12.72 | 42.82 | 19.40 | 49.22 | 280.00 | 128.25 | 113.60 | 40.90 | 24.12 | 19.40 | 15.41 | 12.72 | | |
| 16 | 20.58 | 30.88 | 19.99 | 39.62 | 205.00 | 130.80 | 112.00 | 40.26 | 24.12 | 18.83 | 15.41 | 12.23 | | |
| 17 | 24.71 | 22.94 | 22.94 | 49.86 | 211.00 | 119.20 | 98.50 | 40.26 | 22.94 | 18.83 | 15.41 | 12.23 | | |
| 18 | 21.17 | 21.76 | 22.94 | 83.54 | 261.60 | 126.55 | 90.25 | 37.08 | 22.94 | 18.83 | 15.41 | 12.23 | | |
| 19 | 15.98 | 18.26 | 19.40 | 158.10 | 700.50 | 136.75 | 108.80 | 35.84 | 22.94 | 18.83 | 15.41 | 12.23 | | |
| 20 | 19.40 | 17.12 | 19.40 | 112.00 | 1592.00 | 166.20 | 91.00 | 35.84 | 22.35 | 18.83 | 14.84 | 12.23 | | |
| 21 | 18.83 | 16.55 | 19.40 | 104.80 | 2281.25 | 193.15 | 83.54 | 35.22 | 22.35 | 18.26 | 14.84 | 12.23 | | |
| 22 | 17.69 | 27.16 | 24.12 | 130.80 | 1439.60 | 236.00 | 82.81 | 33.98 | 22.35 | 18.26 | 14.84 | 12.23 | | |
| 23 | 14.84 | 38.98 | 30.88 | 169.80 | 657.70 | 202.00 | 76.98 | 31.50 | 22.94 | 18.26 | 14.84 | 12.23 | | |
| 24 | 13.70 | 57.00 | 36.46 | 96.25 | 513.60 | 189.35 | 69.82 | 32.12 | 22.94 | 18.26 | 14.84 | 12.72 | | |
| 25 | 13.21 | 44.74 | 32.74 | 146.40 | 534.60 | 166.20 | 69.14 | 29.64 | 22.94 | 17.69 | 14.27 | 12.72 | | |
| 26 | 13.21 | 35.22 | 43.46 | 311.05 | 712.50 | 150.90 | 64.38 | 29.64 | 22.35 | 17.12 | 14.27 | 12.72 | | |
| 27 | 13.21 | 30.26 | 39.62 | 381.50 | 590.60 | 139.30 | 61.69 | 32.74 | 22.35 | 17.12 | 14.27 | 11.74 | | |
| 28 | 21.17 | 28.40 | 37.08 | 324.85 | 534.60 | 111.20 | 60.35 | 30.26 | 21.76 | 16.55 | 14.27 | 11.74 | | |
| 29 | 24.71 | 22.35 | 30.26 | 218.00 | 459.40 | 113.60 | 59.68 | 29.64 | 21.76 | 16.55 | | 11.74 | | |
| 30 | 30.26 | 45.38 | 25.30 | 129.10 | 407.50 | 97.75 | 53.75 | 28.40 | 21.76 | 16.55 | | 11.74 | | |
| 31 | | 72.66 | | 162.60 | 730.50 | | 52.45 | | 21.76 | 16.55 | | 11.74 | | |
| Total | 496.17 | 850.01 | 971.31 | 3386.18 | 16584.40 | 6196.65 | 3331.20 | 1167.12 | 736.75 | 590.52 | 436.04 | 392.85 | 35139.20 | CMSDAY |
| Mean | 16.54 | 27.42 | 32.38 | 109.23 | 534.98 | 206.55 | 107.46 | 38.90 | 23.77 | 19.05 | 15.57 | 12.67 | 96.27 | CMS |
| Max | 30.26 | 72.66 | 81.35 | 381.50 | 2281.25 | 568.20 | 304.15 | 49.22 | 27.78 | 21.76 | 16.55 | 13.70 | 2281.25 | CMS |
| Min | 12.23 | 12.72 | 18.83 | 19.99 | 199.00 | 97.75 | 52.45 | 28.40 | 21.76 | 16.55 | 14.27 | 11.74 | 11.74 | CMS |
| Runoff | 42.87 | 73.44 | 83.92 | 292.57 | 1432.89 | 535.39 | 287.82 | 100.84 | 63.66 | 51.02 | 37.67 | 33.94 | 3036.03 | MCM |

Momentary Peak 2581.99 CMS. at 225.15 m. (MSL.) at 01.00 Hours , on Aug 21, 2006

Runoff Yield 27.70 Liters/Second/Square KM. Momentary Peak Yield 742.78 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Yao at Ban Pang Sa , Nan (N.65)

Lat 19 - 13 - 47 N Long 100 - 45 - 27 E

**Location : on right bank at the bridge on highway.**

**Ban** Pang Sa **Amphoe** Tha Wang Pha **Changwat** Nan

| | |
|---|---|
| **Drainge Area** | 621 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On right bank about 20 meters from the top staff gage. **Elevation** +8.630 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1996 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +7.840 m.(A.D.) and is including overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

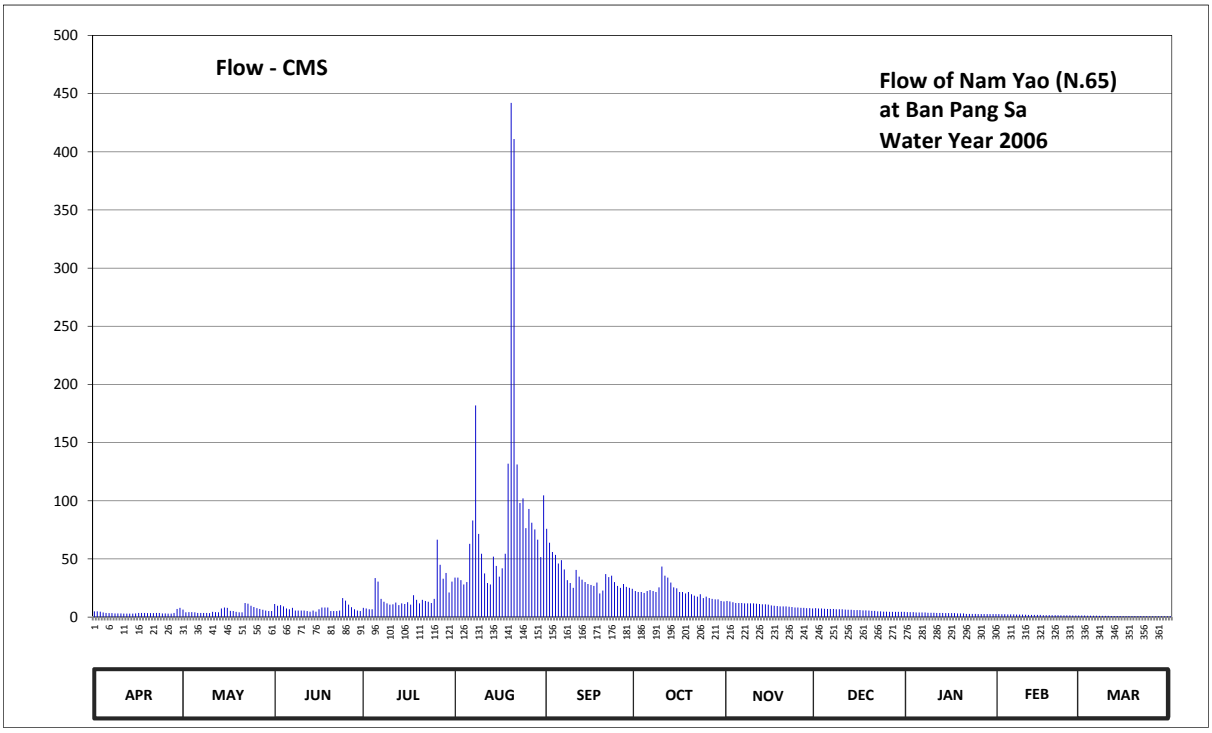
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.92 | 0.99 | 1.17 | 1.05 | 1.75 | 2.58 | 1.47 | 1.25 | 1.04 | 0.89 | 0.80 | 0.72 | |
| 2 | 0.92 | 0.88 | 1.12 | 1.03 | 1.75 | 2.36 | 1.45 | 1.24 | 1.03 | 0.89 | 0.79 | 0.72 | |
| 3 | 0.91 | 0.89 | 1.14 | 1.00 | 1.70 | 2.20 | 1.45 | 1.22 | 1.03 | 0.89 | 0.79 | 0.71 | |
| 4 | 0.87 | 0.89 | 1.10 | 1.00 | 1.61 | 2.15 | 1.43 | 1.20 | 1.02 | 0.87 | 0.78 | 0.71 | |
| 5 | 0.85 | 0.88 | 1.03 | 1.74 | 1.66 | 2.00 | 1.47 | 1.20 | 1.01 | 0.87 | 0.78 | 0.71 | |
| 6 | 0.84 | 0.85 | 1.00 | 1.67 | 2.34 | 2.06 | 1.49 | 1.20 | 1.01 | 0.87 | 0.78 | 0.71 | |
| 7 | 0.84 | 0.85 | 1.05 | 1.30 | 2.70 | 1.90 | 1.47 | 1.19 | 1.01 | 0.87 | 0.77 | 0.70 | |
| 8 | 0.83 | 0.85 | 0.95 | 1.23 | 4.16 | 1.70 | 1.45 | 1.19 | 1.00 | 0.86 | 0.77 | 0.70 | |
| 9 | 0.83 | 0.85 | 0.95 | 1.19 | 2.50 | 1.64 | 1.55 | 1.19 | 1.00 | 0.86 | 0.77 | 0.70 | |
| 10 | 0.83 | 0.84 | 0.95 | 1.15 | 2.17 | 1.54 | 1.95 | 1.19 | 1.00 | 0.86 | 0.76 | 0.70 | |
| 11 | 0.82 | 0.90 | 0.95 | 1.16 | 1.83 | 1.89 | 1.79 | 1.18 | 0.99 | 0.85 | 0.75 | 0.69 | |
| 12 | 0.82 | 0.89 | 0.93 | 1.21 | 1.64 | 1.77 | 1.75 | 1.17 | 0.98 | 0.85 | 0.75 | 0.69 | |
| 13 | 0.82 | 0.88 | 0.91 | 1.14 | 1.61 | 1.71 | 1.65 | 1.16 | 0.98 | 0.85 | 0.75 | 0.69 | |
| 14 | 0.82 | 1.03 | 0.95 | 1.19 | 2.12 | 1.66 | 1.55 | 1.16 | 0.97 | 0.84 | 0.75 | 0.69 | |
| 15 | 0.83 | 1.06 | 0.91 | 1.17 | 1.96 | 1.62 | 1.53 | 1.15 | 0.97 | 0.84 | 0.75 | 0.68 | |
| 16 | 0.85 | 1.05 | 1.00 | 1.22 | 1.77 | 1.60 | 1.45 | 1.13 | 0.97 | 0.84 | 0.74 | 0.68 | |
| 17 | 0.85 | 0.94 | 1.06 | 1.15 | 1.92 | 1.58 | 1.45 | 1.12 | 0.96 | 0.84 | 0.74 | 0.68 | |
| 18 | 0.85 | 0.93 | 1.06 | 1.38 | 2.17 | 1.65 | 1.42 | 1.11 | 0.96 | 0.83 | 0.74 | 0.68 | |
| 19 | 0.84 | 0.90 | 1.06 | 1.28 | 3.46 | 1.42 | 1.45 | 1.10 | 0.95 | 0.83 | 0.74 | 0.68 | |
| 20 | 0.84 | 0.88 | 0.93 | 1.19 | 7.12 | 1.48 | 1.40 | 1.10 | 0.94 | 0.83 | 0.74 | 0.68 | |
| 21 | 0.84 | 0.88 | 0.93 | 1.28 | 6.81 | 1.82 | 1.37 | 1.10 | 0.94 | 0.81 | 0.74 | 0.67 | |
| 22 | 0.85 | 1.20 | 0.93 | 1.25 | 3.45 | 1.76 | 1.35 | 1.09 | 0.92 | 0.81 | 0.73 | 0.67 | |
| 23 | 0.85 | 1.18 | 0.95 | 1.23 | 2.94 | 1.79 | 1.40 | 1.08 | 0.92 | 0.81 | 0.73 | 0.67 | |
| 24 | 0.83 | 1.12 | 1.32 | 1.20 | 3.00 | 1.66 | 1.32 | 1.06 | 0.91 | 0.81 | 0.73 | 0.66 | |
| 25 | 0.83 | 1.08 | 1.26 | 1.30 | 2.59 | 1.58 | 1.35 | 1.06 | 0.91 | 0.80 | 0.73 | 0.66 | |
| 26 | 0.82 | 1.04 | 1.15 | 2.41 | 2.86 | 1.54 | 1.32 | 1.05 | 0.90 | 0.80 | 0.72 | 0.66 | |
| 27 | 0.82 | 1.01 | 1.07 | 1.98 | 2.67 | 1.62 | 1.30 | 1.05 | 0.90 | 0.80 | 0.72 | 0.66 | |
| 28 | 0.85 | 0.98 | 1.00 | 1.73 | 2.57 | 1.56 | 1.29 | 1.04 | 0.90 | 0.80 | 0.72 | 0.66 | |
| 29 | 1.01 | 0.95 | 0.95 | 1.84 | 2.41 | 1.54 | 1.29 | 1.04 | 0.90 | 0.80 | | 0.66 | |
| 30 | 1.05 | 0.93 | 0.93 | 1.44 | 2.11 | 1.52 | 1.25 | 1.03 | 0.90 | 0.80 | | 0.66 | |
| 31 | | 0.93 | | 1.67 | 3.04 | | 1.24 | | 0.90 | 0.80 | | 0.66 | |
| Mean | 0.86 | 0.95 | 1.02 | 1.35 | 2.66 | 1.76 | 1.45 | 1.14 | 0.96 | 0.84 | 0.75 | 0.68 | |
| Max | 1.05 | 1.20 | 1.32 | 2.41 | 7.12 | 2.58 | 1.95 | 1.25 | 1.04 | 0.89 | 0.80 | 0.72 | 7.12 |
| Min | 0.82 | 0.84 | 0.91 | 1.00 | 1.61 | 1.42 | 1.24 | 1.03 | 0.90 | 0.80 | 0.72 | 0.66 | 0.66 |

Annual Max Momentary Gage Height 8.70 m. (A.D.) , at 03.00 Hours , on Aug 21, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.20 m. (A.D.)

Left Bank Elevation 7.83 m. (A.D.) ,

Right Bank Elevation 8.08 m. (A.D.) , Drainage Are 621 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.94 | 6.48 | 11.23 | 7.95 | 33.90 | 75.90 | 22.40 | 13.85 | 7.70 | 4.31 | 2.60 | 1.40 | | |
| 2 | 4.94 | 4.12 | 9.78 | 7.45 | 33.90 | 64.00 | 21.60 | 13.50 | 7.45 | 4.31 | 2.45 | 1.40 | | |
| 3 | 4.72 | 4.31 | 10.36 | 6.70 | 31.80 | 56.00 | 21.60 | 12.80 | 7.45 | 4.31 | 2.45 | 1.25 | | |
| 4 | 3.93 | 4.31 | 9.20 | 6.70 | 28.02 | 53.50 | 20.80 | 12.10 | 7.20 | 3.93 | 2.30 | 1.25 | | |
| 5 | 3.55 | 4.12 | 7.45 | 33.48 | 30.12 | 46.00 | 22.40 | 12.10 | 6.95 | 3.93 | 2.30 | 1.25 | | |
| 6 | 3.36 | 3.55 | 6.70 | 30.54 | 63.00 | 49.00 | 23.20 | 12.10 | 6.95 | 3.93 | 2.30 | 1.25 | | |
| 7 | 3.36 | 3.55 | 7.95 | 15.60 | 83.00 | 41.00 | 22.40 | 11.81 | 6.95 | 3.93 | 2.15 | 1.10 | | |
| 8 | 3.17 | 3.55 | 5.60 | 13.15 | 182.00 | 31.80 | 21.60 | 11.81 | 6.70 | 3.74 | 2.15 | 1.10 | | |
| 9 | 3.17 | 3.55 | 5.60 | 11.81 | 71.50 | 29.28 | 25.60 | 11.81 | 6.70 | 3.74 | 2.15 | 1.10 | | |
| 10 | 3.17 | 3.36 | 5.60 | 10.65 | 54.50 | 25.20 | 43.50 | 11.81 | 6.70 | 3.74 | 2.00 | 1.10 | | |
| 11 | 2.98 | 4.50 | 5.60 | 10.94 | 37.50 | 40.50 | 35.58 | 11.52 | 6.48 | 3.55 | 1.85 | 0.99 | | |
| 12 | 2.98 | 4.31 | 5.16 | 12.45 | 29.28 | 34.74 | 33.90 | 11.23 | 6.26 | 3.55 | 1.85 | 0.99 | | |
| 13 | 2.98 | 4.12 | 4.72 | 10.36 | 28.02 | 32.22 | 29.70 | 10.94 | 6.26 | 3.55 | 1.85 | 0.99 | | |
| 14 | 2.98 | 7.45 | 5.60 | 11.81 | 52.00 | 30.12 | 25.60 | 10.94 | 6.04 | 3.36 | 1.85 | 0.99 | | |
| 15 | 3.17 | 8.20 | 4.72 | 11.23 | 44.00 | 28.44 | 24.80 | 10.65 | 6.04 | 3.36 | 1.85 | 0.88 | | |
| 16 | 3.55 | 7.95 | 6.70 | 12.80 | 34.74 | 27.60 | 21.60 | 10.07 | 6.04 | 3.36 | 1.70 | 0.88 | | |
| 17 | 3.55 | 5.38 | 8.20 | 10.65 | 42.00 | 26.80 | 21.60 | 9.78 | 5.82 | 3.36 | 1.70 | 0.88 | | |
| 18 | 3.55 | 5.16 | 8.20 | 18.80 | 54.50 | 29.70 | 20.40 | 9.49 | 5.82 | 3.17 | 1.70 | 0.88 | | |
| 19 | 3.36 | 4.50 | 8.20 | 14.90 | 131.90 | 20.40 | 21.60 | 9.20 | 5.60 | 3.17 | 1.70 | 0.88 | | |
| 20 | 3.36 | 4.12 | 5.16 | 11.81 | 442.00 | 22.80 | 19.60 | 9.20 | 5.38 | 3.17 | 1.70 | 0.88 | | |
| 21 | 3.36 | 4.12 | 5.16 | 14.90 | 411.00 | 37.00 | 18.40 | 9.20 | 5.38 | 2.79 | 1.70 | 0.77 | | |
| 22 | 3.55 | 12.10 | 5.16 | 13.85 | 131.25 | 34.32 | 17.60 | 8.95 | 4.94 | 2.79 | 1.55 | 0.77 | | |
| 23 | 3.55 | 11.52 | 5.60 | 13.15 | 98.10 | 35.58 | 19.60 | 8.70 | 4.94 | 2.79 | 1.55 | 0.77 | | |
| 24 | 3.17 | 9.78 | 16.40 | 12.10 | 102.00 | 30.12 | 16.40 | 8.20 | 4.72 | 2.79 | 1.55 | 0.66 | | |
| 25 | 3.17 | 8.70 | 14.20 | 15.60 | 76.45 | 26.80 | 17.60 | 8.20 | 4.72 | 2.60 | 1.55 | 0.66 | | |
| 26 | 2.98 | 7.70 | 10.65 | 66.55 | 92.90 | 25.20 | 16.40 | 7.95 | 4.50 | 2.60 | 1.40 | 0.66 | | |
| 27 | 2.98 | 6.95 | 8.45 | 45.00 | 81.20 | 28.44 | 15.60 | 7.95 | 4.50 | 2.60 | 1.40 | 0.66 | | |
| 28 | 3.55 | 6.26 | 6.70 | 33.06 | 75.35 | 26.00 | 15.25 | 7.70 | 4.50 | 2.60 | 1.40 | 0.66 | | |
| 29 | 6.95 | 5.60 | 5.60 | 38.00 | 66.55 | 25.20 | 15.25 | 7.70 | 4.50 | 2.60 | | 0.66 | | |
| 30 | 7.95 | 5.16 | 5.16 | 21.20 | 51.50 | 24.40 | 13.85 | 7.45 | 4.50 | 2.60 | | 0.66 | | |
| 31 | | 5.16 | | 30.54 | 104.60 | | 13.50 | | 4.50 | 2.60 | | 0.66 | | |
| Total | 111.98 | 179.64 | 224.81 | 573.73 | 2798.58 | 1058.06 | 678.93 | 308.71 | 182.19 | 102.83 | 52.70 | 29.03 | 6301.19 | CMSDAY |
| Mean | 3.73 | 5.79 | 7.49 | 18.51 | 90.28 | 35.27 | 21.90 | 10.29 | 5.88 | 3.32 | 1.88 | 0.94 | 17.26 | CMS |
| Max | 7.95 | 12.10 | 16.40 | 66.55 | 442.00 | 75.90 | 43.50 | 13.85 | 7.70 | 4.31 | 2.60 | 1.40 | 442.00 | CMS |
| Min | 2.98 | 3.36 | 4.72 | 6.70 | 28.02 | 20.40 | 13.50 | 7.45 | 4.50 | 2.60 | 1.40 | 0.66 | 0.66 | CMS |
| Runoff | 9.68 | 15.52 | 19.42 | 49.57 | 241.80 | 91.42 | 58.66 | 26.67 | 15.74 | 8.88 | 4.55 | 2.51 | 544.42 | MCM |

Momentary Peak 651.00 CMS. at 8.70 m. (A.D.) at 03.00 Hours , on Aug 21, 2006

Runoff Yield 27.80 Liters/Second/Square KM. Momentary Peak Yield 1048.31 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Huai Om Sing at Ban Noen Phoem , Phitsanulok (N.66)

Lat 17 - 07 - 22 N Long 100 - 53 - 58 E

**Location : on right bank at Ban Om Sing.**

| | | | |
|---|---|---|---|
| | **Ban** Noen Phoem | **Amphoe** Nakhon Thai | **Changwat** Phitsanulok |
| **Drainge Area** | 152 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +201.220 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On right bank about 8 meters from the top staff gage. | | **Elevation** +208.617 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1995 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1996 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1996 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 16 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

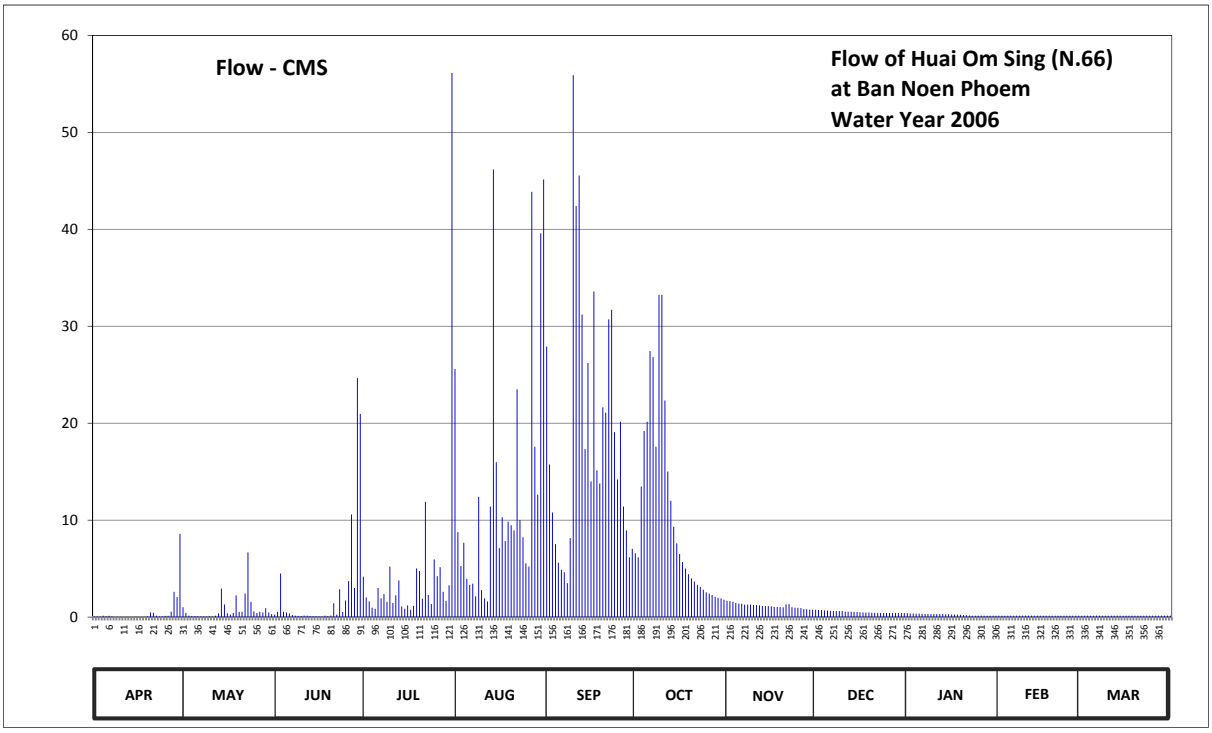
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 202.07 | 202.65 | 202.27 | 203.41 | 205.45 | 205.60 | 203.77 | 202.88 | 202.53 | 202.35 | 202.19 | 202.19 | |
| 2 | 202.05 | 202.36 | 202.42 | 202.98 | 204.04 | 204.72 | 203.71 | 202.87 | 202.52 | 202.33 | 202.19 | 202.19 | |
| 3 | 202.03 | 202.19 | 203.46 | 202.86 | 203.58 | 204.26 | 204.52 | 202.85 | 202.52 | 202.33 | 202.19 | 202.19 | |
| 4 | 202.18 | 202.13 | 202.42 | 202.63 | 203.91 | 203.89 | 205.00 | 202.82 | 202.50 | 202.32 | 202.19 | 202.19 | |
| 5 | 202.09 | 202.10 | 202.39 | 202.58 | 203.37 | 203.63 | 205.07 | 202.80 | 202.49 | 202.32 | 202.19 | 202.19 | |
| 6 | 202.17 | 202.08 | 202.33 | 203.20 | 203.26 | 203.52 | 205.57 | 202.79 | 202.47 | 202.31 | 202.19 | 202.19 | |
| 7 | 202.05 | 202.07 | 202.24 | 202.95 | 203.28 | 203.48 | 205.53 | 202.75 | 202.47 | 202.30 | 202.19 | 202.19 | |
| 8 | 201.98 | 202.05 | 202.19 | 203.06 | 203.01 | 203.29 | 204.87 | 202.76 | 202.46 | 202.30 | 202.19 | 202.19 | |
| 9 | 201.97 | 202.07 | 202.17 | 202.85 | 204.42 | 203.97 | 205.92 | 202.75 | 202.46 | 202.29 | 202.19 | 202.19 | |
| 10 | 201.96 | 202.10 | 202.15 | 203.57 | 203.15 | 206.99 | 205.92 | 202.74 | 202.46 | 202.29 | 202.19 | 202.19 | |
| 11 | 201.96 | 202.06 | 202.21 | 202.82 | 202.95 | 206.40 | 205.23 | 202.73 | 202.43 | 202.29 | 202.19 | 202.19 | |
| 12 | 201.95 | 202.20 | 202.20 | 203.03 | 202.86 | 206.55 | 204.66 | 202.72 | 202.43 | 202.29 | 202.19 | 202.19 | |
| 13 | 201.94 | 202.33 | 202.13 | 203.34 | 204.32 | 205.80 | 204.38 | 202.70 | 202.43 | 202.29 | 202.19 | 202.19 | |
| 14 | 201.93 | 203.19 | 202.11 | 202.68 | 206.58 | 204.85 | 204.10 | 202.69 | 202.42 | 202.28 | 202.19 | 202.19 | |
| 15 | 201.93 | 202.76 | 202.10 | 202.59 | 204.74 | 205.49 | 203.90 | 202.69 | 202.41 | 202.28 | 202.19 | 202.19 | |
| 16 | 201.93 | 202.34 | 202.09 | 202.72 | 203.84 | 204.57 | 203.76 | 202.68 | 202.40 | 202.27 | 202.19 | 202.19 | |
| 17 | 201.92 | 202.27 | 202.07 | 202.53 | 204.21 | 205.94 | 203.64 | 202.66 | 202.39 | 202.27 | 202.19 | 202.19 | |
| 18 | 201.90 | 202.36 | 202.18 | 202.70 | 203.93 | 204.67 | 203.54 | 202.66 | 202.38 | 202.26 | 202.19 | 202.19 | |
| 19 | 202.08 | 203.03 | 202.10 | 203.54 | 204.16 | 204.55 | 203.45 | 202.65 | 202.38 | 202.25 | 202.19 | 202.19 | |
| 20 | 202.39 | 202.42 | 202.21 | 203.50 | 204.12 | 205.18 | 203.38 | 202.64 | 202.37 | 202.24 | 202.19 | 202.19 | |
| 21 | 202.37 | 202.42 | 202.81 | 202.94 | 204.06 | 205.14 | 203.32 | 202.76 | 202.37 | 202.22 | 202.19 | 202.19 | |
| 22 | 202.20 | 203.07 | 202.26 | 204.37 | 205.31 | 205.77 | 203.26 | 202.77 | 202.37 | 202.21 | 202.19 | 202.19 | |
| 23 | 202.07 | 203.78 | 203.17 | 203.04 | 204.18 | 205.83 | 203.22 | 202.65 | 202.36 | 202.20 | 202.19 | 202.19 | |
| 24 | 202.05 | 202.85 | 202.41 | 202.78 | 203.98 | 204.99 | 203.16 | 202.63 | 202.36 | 202.19 | 202.19 | 202.19 | |
| 25 | 202.17 | 202.45 | 202.89 | 203.68 | 203.62 | 204.59 | 203.10 | 202.62 | 202.36 | 202.19 | 202.19 | 202.19 | |
| 26 | 202.17 | 202.36 | 203.33 | 203.42 | 203.57 | 205.07 | 203.07 | 202.61 | 202.36 | 202.19 | 202.19 | 202.19 | |
| 27 | 202.43 | 202.42 | 204.24 | 203.56 | 206.47 | 204.32 | 203.04 | 202.56 | 202.36 | 202.19 | 202.19 | 202.19 | |
| 28 | 203.11 | 202.39 | 203.20 | 203.11 | 204.87 | 204.06 | 203.00 | 202.55 | 202.36 | 202.19 | 202.19 | 202.19 | |
| 29 | 202.99 | 202.61 | 205.39 | 202.88 | 204.44 | 203.71 | 202.97 | 202.54 | 202.36 | 202.19 | | 202.19 | |
| 30 | 204.02 | 202.39 | 205.13 | 203.25 | 206.26 | 203.83 | 202.95 | 202.53 | 202.36 | 202.19 | | 202.19 | |
| 31 | | 202.29 | | 207.00 | 206.53 | | 202.91 | | 202.36 | 202.19 | | 202.19 | |
| Mean | 202.20 | 202.44 | 202.68 | 203.21 | 204.27 | 204.82 | 204.00 | 202.70 | 202.42 | 202.26 | 202.19 | 202.19 | |
| Max | 204.02 | 203.78 | 205.39 | 207.00 | 206.58 | 206.99 | 205.92 | 202.88 | 202.53 | 202.35 | 202.19 | 202.19 | 207.00 |
| Min | 201.90 | 202.05 | 202.07 | 202.53 | 202.86 | 203.29 | 202.91 | 202.53 | 202.36 | 202.19 | 202.19 | 202.19 | 201.90 |

Annual Max Momentary Gage Height 208.22 m. (MSL.) , at 15.00 Hours , on Sep 10, 2006

Zero Gage at Bottom Elevation 201.22 m. (MSL.) , River Bed 201.82 m. (MSL.)

Left Bank Elevation 208.49 m. (MSL.) ,

Right Bank Elevation 208.47 m. (MSL.) , Drainage Are 152 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.07 | 1.03 | 0.27 | 4.17 | 25.58 | 27.90 | 6.59 | 1.68 | 0.76 | 0.41 | 0.14 | 0.14 | | |
| 2 | 0.06 | 0.43 | 0.54 | 2.03 | 8.76 | 15.74 | 6.17 | 1.65 | 0.74 | 0.38 | 0.14 | 0.14 | | |
| 3 | 0.05 | 0.14 | 4.49 | 1.61 | 5.27 | 10.80 | 13.46 | 1.58 | 0.74 | 0.38 | 0.14 | 0.14 | | |
| 4 | 0.14 | 0.11 | 0.54 | 0.98 | 7.68 | 7.52 | 19.20 | 1.47 | 0.70 | 0.36 | 0.14 | 0.14 | | |
| 5 | 0.08 | 0.09 | 0.48 | 0.86 | 3.94 | 5.61 | 20.15 | 1.40 | 0.68 | 0.36 | 0.14 | 0.14 | | |
| 6 | 0.13 | 0.08 | 0.38 | 3.00 | 3.33 | 4.88 | 27.44 | 1.38 | 0.64 | 0.34 | 0.14 | 0.14 | | |
| 7 | 0.06 | 0.07 | 0.22 | 1.93 | 3.44 | 4.62 | 26.82 | 1.28 | 0.64 | 0.33 | 0.14 | 0.14 | | |
| 8 | 0.02 | 0.06 | 0.14 | 2.37 | 2.15 | 3.50 | 17.58 | 1.30 | 0.62 | 0.33 | 0.14 | 0.14 | | |
| 9 | 0.02 | 0.07 | 0.13 | 1.58 | 12.41 | 8.16 | 33.24 | 1.28 | 0.62 | 0.31 | 0.14 | 0.14 | | |
| 10 | 0.02 | 0.09 | 0.12 | 5.21 | 2.78 | 55.89 | 33.24 | 1.25 | 0.62 | 0.31 | 0.14 | 0.14 | | |
| 11 | 0.02 | 0.07 | 0.17 | 1.47 | 1.93 | 42.40 | 22.34 | 1.23 | 0.56 | 0.31 | 0.14 | 0.14 | | |
| 12 | 0.02 | 0.15 | 0.15 | 2.24 | 1.61 | 45.55 | 15.02 | 1.20 | 0.56 | 0.31 | 0.14 | 0.14 | | |
| 13 | 0.01 | 0.38 | 0.11 | 3.77 | 11.40 | 31.20 | 12.00 | 1.15 | 0.56 | 0.31 | 0.14 | 0.14 | | |
| 14 | 0.01 | 2.96 | 0.10 | 1.10 | 46.18 | 17.33 | 9.30 | 1.13 | 0.54 | 0.29 | 0.14 | 0.14 | | |
| 15 | 0.01 | 1.30 | 0.09 | 0.88 | 15.98 | 26.20 | 7.60 | 1.13 | 0.52 | 0.29 | 0.14 | 0.14 | | |
| 16 | 0.01 | 0.40 | 0.08 | 1.20 | 7.12 | 13.99 | 6.52 | 1.10 | 0.50 | 0.27 | 0.14 | 0.14 | | |
| 17 | 0.01 | 0.27 | 0.07 | 0.76 | 10.30 | 33.58 | 5.68 | 1.05 | 0.48 | 0.27 | 0.14 | 0.14 | | |
| 18 | 0.00 | 0.43 | 0.14 | 1.15 | 7.84 | 15.14 | 5.01 | 1.05 | 0.47 | 0.26 | 0.14 | 0.14 | | |
| 19 | 0.08 | 2.24 | 0.09 | 5.01 | 9.84 | 13.78 | 4.43 | 1.03 | 0.47 | 0.24 | 0.14 | 0.14 | | |
| 20 | 0.48 | 0.54 | 0.17 | 4.75 | 9.48 | 21.63 | 3.99 | 1.00 | 0.45 | 0.22 | 0.14 | 0.14 | | |
| 21 | 0.45 | 0.54 | 1.44 | 1.89 | 8.94 | 21.09 | 3.66 | 1.30 | 0.45 | 0.19 | 0.14 | 0.14 | | |
| 22 | 0.15 | 2.42 | 0.26 | 11.90 | 23.50 | 30.71 | 3.33 | 1.33 | 0.45 | 0.17 | 0.14 | 0.14 | | |
| 23 | 0.07 | 6.66 | 2.87 | 2.28 | 10.02 | 31.71 | 3.11 | 1.03 | 0.43 | 0.15 | 0.14 | 0.14 | | |
| 24 | 0.06 | 1.58 | 0.52 | 1.35 | 8.24 | 19.08 | 2.82 | 0.98 | 0.43 | 0.14 | 0.14 | 0.14 | | |
| 25 | 0.13 | 0.60 | 1.72 | 5.96 | 5.54 | 14.20 | 2.55 | 0.95 | 0.43 | 0.14 | 0.14 | 0.14 | | |
| 26 | 0.13 | 0.43 | 3.72 | 4.23 | 5.21 | 20.15 | 2.42 | 0.93 | 0.43 | 0.14 | 0.14 | 0.14 | | |
| 27 | 0.56 | 0.54 | 10.60 | 5.14 | 43.87 | 11.40 | 2.28 | 0.82 | 0.43 | 0.14 | 0.14 | 0.14 | | |
| 28 | 2.60 | 0.48 | 3.00 | 2.60 | 17.58 | 8.94 | 2.10 | 0.80 | 0.43 | 0.14 | 0.14 | 0.14 | | |
| 29 | 2.07 | 0.93 | 24.66 | 1.68 | 12.62 | 6.17 | 2.00 | 0.78 | 0.43 | 0.14 | | 0.14 | | |
| 30 | 8.58 | 0.48 | 20.96 | 3.28 | 39.60 | 7.04 | 1.93 | 0.76 | 0.43 | 0.14 | | 0.14 | | |
| 31 | | 0.31 | | 56.13 | 45.13 | | 1.79 | | 0.43 | 0.14 | | 0.14 | | |
| Total | 16.10 | 25.88 | 78.23 | 142.51 | 417.27 | 575.91 | 323.77 | 35.02 | 16.64 | 7.91 | 3.92 | 4.34 | 1647.50 | CMSDAY |
| Mean | 0.54 | 0.83 | 2.61 | 4.60 | 13.46 | 19.20 | 10.44 | 1.17 | 0.54 | 0.26 | 0.14 | 0.14 | 4.51 | CMS |
| Max | 8.58 | 6.66 | 24.66 | 56.13 | 46.18 | 55.89 | 33.24 | 1.68 | 0.76 | 0.41 | 0.14 | 0.14 | 56.13 | CMS |
| Min | 0.00 | 0.06 | 0.07 | 0.76 | 1.61 | 3.50 | 1.79 | 0.76 | 0.43 | 0.14 | 0.14 | 0.14 | 0.00 | CMS |
| Runoff | 1.39 | 2.24 | 6.76 | 12.31 | 36.05 | 49.76 | 27.97 | 3.03 | 1.44 | 0.68 | 0.34 | 0.37 | 142.34 | MCM |

Momentary Peak 88.18 CMS. at 208.22 m. (MSL.) at 15.00 Hours , on Sep 10, 2006

Runoff Yield 29.70 Liters/Second/Square KM. Momentary Peak Yield 580.13 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Koei Chai, Nakhon Sawan (N.67)

Lat 15 - 52 - 05 N Long 100 - 16 - 07 E

**Location : on right bank at the bridge near Wat Koei Chai Nua**

| | | | |
|---|---|---|---|
| | **Ban** Koei Chai | **Amphoe** Chum Saeng | **Changwat** Nakhon Sawan |
| **Drainge Area** | 57,384 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +13.120 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank near the gage observe's house | | **Elevation** +27.470 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1997 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1997 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1997 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +27.410 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records fair. Flow effected by Mae Yom side flow. | | |
| | Stage-discharge relation defined by 41 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

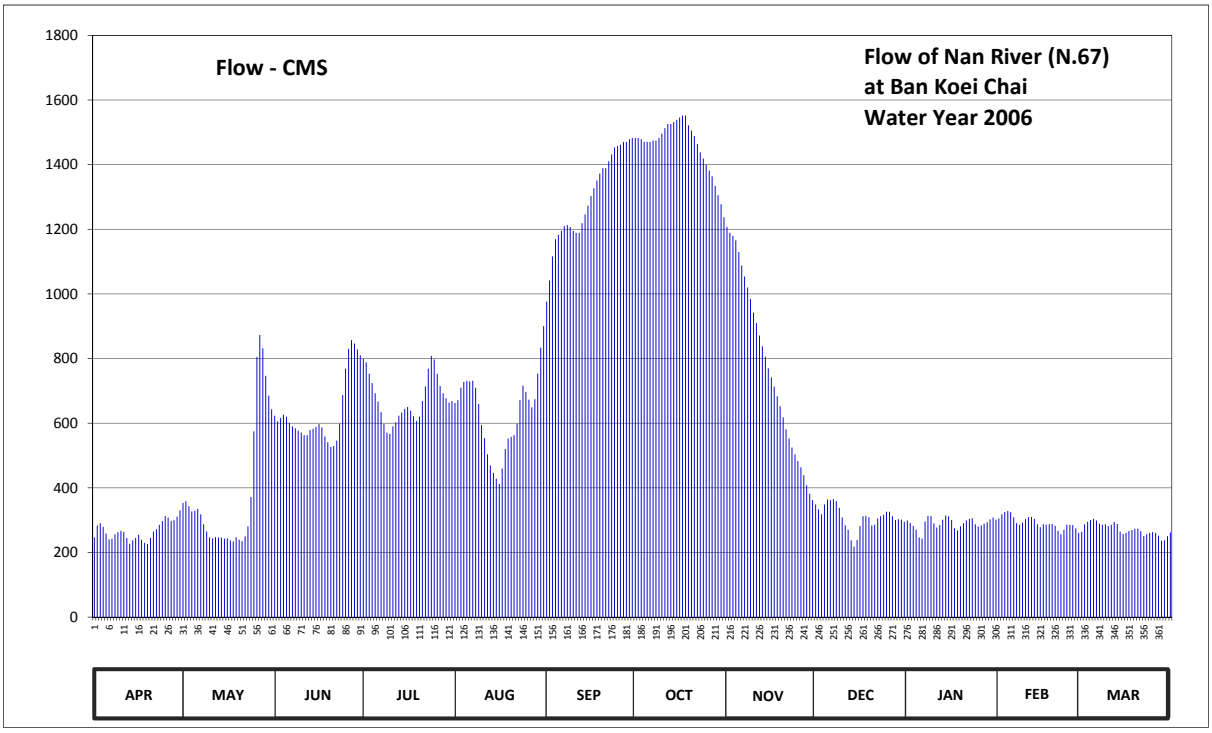
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.63 | 21.75 | 24.13 | 25.22 | 24.39 | 26.19 | 27.96 | 27.56 | 21.79 | 21.21 | 21.28 | 20.82 | |
| 2 | 21.04 | 21.81 | 24.01 | 25.16 | 24.45 | 26.49 | 27.96 | 27.52 | 21.61 | 21.13 | 21.44 | 21.08 | |
| 3 | 21.11 | 21.65 | 24.08 | 24.96 | 24.70 | 26.83 | 27.95 | 27.50 | 21.44 | 21.02 | 21.52 | 21.17 | |
| 4 | 20.99 | 21.49 | 24.15 | 24.79 | 24.81 | 27.06 | 27.93 | 27.47 | 21.79 | 20.90 | 21.56 | 21.23 | |
| 5 | 20.76 | 21.51 | 24.11 | 24.59 | 24.83 | 27.11 | 27.93 | 27.39 | 22.04 | 20.63 | 21.51 | 21.27 | |
| 6 | 20.56 | 21.57 | 23.98 | 24.42 | 24.82 | 27.15 | 27.93 | 27.29 | 22.00 | 20.59 | 21.33 | 21.21 | |
| 7 | 20.58 | 21.40 | 23.90 | 24.20 | 24.83 | 27.20 | 27.94 | 27.21 | 22.06 | 21.18 | 21.12 | 21.10 | |
| 8 | 20.73 | 21.08 | 23.86 | 23.95 | 24.70 | 27.21 | 27.94 | 27.10 | 21.92 | 21.38 | 21.06 | 21.06 | |
| 9 | 20.81 | 20.83 | 23.81 | 23.76 | 24.37 | 27.19 | 27.96 | 26.98 | 21.67 | 21.37 | 21.14 | 21.08 | |
| 10 | 20.86 | 20.63 | 23.76 | 23.73 | 23.93 | 27.15 | 27.99 | 26.83 | 21.32 | 21.11 | 21.26 | 21.02 | |
| 11 | 20.82 | 20.60 | 23.70 | 23.90 | 23.63 | 27.13 | 28.02 | 26.70 | 21.04 | 20.97 | 21.33 | 21.06 | |
| 12 | 20.61 | 20.64 | 23.70 | 23.99 | 23.23 | 27.13 | 28.04 | 26.53 | 20.89 | 21.05 | 21.34 | 21.16 | |
| 13 | 20.41 | 20.63 | 23.82 | 24.13 | 22.91 | 27.23 | 28.04 | 26.37 | 20.53 | 21.24 | 21.27 | 21.09 | |
| 14 | 20.53 | 20.62 | 23.85 | 24.19 | 22.68 | 27.32 | 28.05 | 26.20 | 20.31 | 21.39 | 21.08 | 20.83 | |
| 15 | 20.61 | 20.59 | 23.89 | 24.27 | 22.50 | 27.41 | 28.06 | 26.00 | 20.54 | 21.36 | 20.98 | 20.75 | |
| 16 | 20.72 | 20.60 | 23.95 | 24.31 | 22.34 | 27.51 | 28.07 | 25.81 | 21.02 | 21.23 | 21.08 | 20.79 | |
| 17 | 20.55 | 20.53 | 23.88 | 24.23 | 22.82 | 27.59 | 28.08 | 25.62 | 21.36 | 20.94 | 21.07 | 20.85 | |
| 18 | 20.44 | 20.49 | 23.67 | 24.12 | 23.37 | 27.65 | 28.08 | 25.42 | 21.38 | 20.87 | 21.08 | 20.88 | |
| 19 | 20.40 | 20.64 | 23.53 | 24.02 | 23.62 | 27.70 | 28.07 | 25.19 | 21.33 | 21.01 | 21.09 | 20.93 | |
| 20 | 20.61 | 20.55 | 23.42 | 24.11 | 23.66 | 27.74 | 28.05 | 24.92 | 21.04 | 21.12 | 21.03 | 20.93 | |
| 21 | 20.83 | 20.50 | 23.44 | 24.43 | 23.70 | 27.74 | 28.03 | 24.61 | 21.06 | 21.22 | 20.86 | 20.84 | |
| 22 | 20.91 | 20.66 | 23.57 | 24.72 | 23.96 | 27.79 | 28.00 | 24.35 | 21.28 | 21.27 | 20.74 | 20.68 | |
| 23 | 21.06 | 21.01 | 23.96 | 25.05 | 24.45 | 27.84 | 27.96 | 24.09 | 21.37 | 21.29 | 20.89 | 20.74 | |
| 24 | 21.19 | 21.94 | 24.55 | 25.27 | 24.74 | 27.89 | 27.93 | 23.86 | 21.42 | 21.08 | 21.07 | 20.78 | |
| 25 | 21.35 | 23.79 | 25.05 | 25.21 | 24.62 | 27.90 | 27.90 | 23.63 | 21.53 | 21.00 | 21.06 | 20.81 | |
| 26 | 21.30 | 25.25 | 25.39 | 24.96 | 24.46 | 27.91 | 27.87 | 23.39 | 21.53 | 21.04 | 21.05 | 20.79 | |
| 27 | 21.20 | 25.63 | 25.54 | 24.73 | 24.30 | 27.93 | 27.84 | 23.09 | 21.36 | 21.10 | 20.94 | 20.69 | |
| 28 | 21.22 | 25.40 | 25.48 | 24.59 | 24.47 | 27.93 | 27.79 | 22.68 | 21.23 | 21.15 | 20.79 | 20.51 | |
| 29 | 21.33 | 24.92 | 25.38 | 24.49 | 24.96 | 27.95 | 27.74 | 22.33 | 21.26 | 21.25 | | 20.53 | |
| 30 | 21.52 | 24.54 | 25.28 | 24.40 | 25.41 | 27.96 | 27.69 | 22.00 | 21.24 | 21.32 | | 20.67 | |
| 31 | | 24.26 | | 24.43 | 25.78 | | 27.62 | | 21.17 | 21.24 | | 20.80 | |
| Mean | 20.86 | 21.86 | 24.16 | 24.46 | 24.11 | 27.43 | 27.95 | 25.52 | 21.34 | 21.12 | 21.14 | 20.91 | |
| Max | 21.52 | 25.63 | 25.54 | 25.27 | 25.78 | 27.96 | 28.08 | 27.56 | 22.06 | 21.39 | 21.56 | 21.27 | 28.08 |
| Min | 20.40 | 20.49 | 23.42 | 23.73 | 22.34 | 26.19 | 27.62 | 22.00 | 20.31 | 20.59 | 20.74 | 20.51 | 20.31 |

Annual Max Momentary Gage Height 28.09 m. (MSL.) , at 16.00 Hours , on Oct 18, 2006

Zero Gage at Bottom Elevation 13.12 m. (MSL.) , River Bed 12.51 m. (MSL.)

Left Bank Elevation 28.98 m. (MSL.) ,

Right Bank Elevation 27.40 m. (MSL.) , Drainage Are 57,384 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 246.70 | 353.00 | 623.50 | 799.60 | 662.50 | 976.10 | 1483.00 | 1207.60 | 348.57 | 298.86 | 304.86 | 263.80 | | |
| 2 | 283.60 | 359.00 | 605.50 | 788.80 | 671.50 | 1041.80 | 1483.00 | 1189.20 | 333.14 | 291.70 | 318.57 | 287.20 | | |
| 3 | 289.90 | 343.00 | 616.00 | 753.20 | 710.00 | 1116.60 | 1478.75 | 1180.00 | 318.57 | 281.80 | 325.43 | 295.30 | | |
| 4 | 279.10 | 327.00 | 626.50 | 724.40 | 727.70 | 1169.60 | 1470.25 | 1166.20 | 348.57 | 271.00 | 328.86 | 300.57 | | |
| 5 | 258.40 | 329.00 | 620.50 | 692.50 | 731.10 | 1183.00 | 1470.25 | 1129.80 | 364.00 | 246.70 | 324.57 | 304.00 | | |
| 6 | 240.40 | 335.00 | 601.20 | 667.00 | 729.40 | 1195.00 | 1470.25 | 1087.80 | 362.00 | 243.10 | 309.14 | 298.86 | | |
| 7 | 242.20 | 318.00 | 590.00 | 634.00 | 731.10 | 1210.00 | 1474.50 | 1054.20 | 365.00 | 296.20 | 290.80 | 289.00 | | |
| 8 | 255.70 | 287.20 | 584.40 | 597.00 | 710.00 | 1213.00 | 1474.50 | 1020.00 | 358.80 | 313.43 | 285.40 | 285.40 | | |
| 9 | 262.90 | 264.70 | 577.40 | 570.80 | 659.50 | 1207.00 | 1483.00 | 984.40 | 338.29 | 312.57 | 292.60 | 287.20 | | |
| 10 | 267.40 | 246.70 | 570.80 | 566.90 | 594.20 | 1195.00 | 1495.75 | 942.40 | 308.29 | 289.90 | 303.14 | 281.80 | | |
| 11 | 263.80 | 244.00 | 563.00 | 590.00 | 553.90 | 1189.00 | 1513.00 | 910.00 | 283.60 | 277.30 | 309.14 | 285.40 | | |
| 12 | 244.90 | 247.60 | 563.00 | 602.60 | 503.60 | 1189.00 | 1526.00 | 871.30 | 270.10 | 284.50 | 310.00 | 294.40 | | |
| 13 | 226.90 | 246.70 | 578.80 | 623.50 | 469.00 | 1219.00 | 1526.00 | 838.30 | 237.70 | 301.43 | 304.00 | 288.10 | | |
| 14 | 237.70 | 245.80 | 583.00 | 632.50 | 446.00 | 1246.00 | 1532.50 | 806.00 | 217.90 | 314.29 | 287.20 | 264.70 | | |
| 15 | 244.90 | 243.10 | 588.60 | 644.50 | 428.00 | 1273.00 | 1539.00 | 770.00 | 238.60 | 311.71 | 278.20 | 257.50 | | |
| 16 | 254.80 | 244.00 | 597.00 | 650.50 | 412.00 | 1303.00 | 1545.50 | 741.50 | 281.80 | 300.57 | 287.20 | 261.10 | | |
| 17 | 239.50 | 237.70 | 587.20 | 638.50 | 460.00 | 1327.00 | 1552.00 | 713.00 | 311.71 | 274.60 | 286.30 | 266.50 | | |
| 18 | 229.60 | 234.10 | 559.10 | 622.00 | 520.40 | 1351.25 | 1552.00 | 683.00 | 313.43 | 268.30 | 287.20 | 269.20 | | |
| 19 | 226.00 | 247.60 | 540.90 | 607.00 | 552.60 | 1372.50 | 1522.10 | 652.70 | 309.14 | 280.90 | 288.10 | 273.70 | | |
| 20 | 244.90 | 239.50 | 526.60 | 620.50 | 557.80 | 1389.50 | 1505.50 | 618.40 | 283.60 | 290.80 | 282.70 | 273.70 | | |
| 21 | 264.70 | 235.00 | 529.20 | 668.50 | 563.00 | 1389.50 | 1488.90 | 581.20 | 285.40 | 299.71 | 267.40 | 265.60 | | |
| 22 | 271.90 | 249.40 | 546.10 | 713.20 | 598.40 | 1410.75 | 1464.00 | 552.50 | 304.86 | 304.00 | 256.60 | 251.20 | | |
| 23 | 285.40 | 280.90 | 598.40 | 769.00 | 671.50 | 1432.00 | 1438.40 | 525.00 | 312.57 | 305.71 | 270.10 | 256.60 | | |
| 24 | 297.10 | 372.00 | 686.50 | 808.60 | 716.40 | 1453.25 | 1419.20 | 503.40 | 316.86 | 287.20 | 286.30 | 260.20 | | |
| 25 | 313.00 | 574.70 | 769.00 | 797.80 | 697.20 | 1457.50 | 1400.00 | 482.70 | 326.29 | 280.00 | 285.40 | 262.90 | | |
| 26 | 308.00 | 805.00 | 830.20 | 753.20 | 673.00 | 1461.75 | 1382.00 | 463.20 | 326.29 | 283.60 | 284.50 | 261.10 | | |
| 27 | 298.00 | 873.40 | 857.20 | 714.80 | 649.00 | 1470.25 | 1364.00 | 439.20 | 311.71 | 289.00 | 274.60 | 252.10 | | |
| 28 | 300.00 | 832.00 | 846.40 | 692.50 | 674.50 | 1470.25 | 1334.30 | 408.00 | 300.57 | 293.50 | 261.10 | 235.90 | | |
| 29 | 311.00 | 746.40 | 828.40 | 677.50 | 753.20 | 1478.75 | 1305.80 | 381.75 | 303.14 | 302.29 | | 237.70 | | |
| 30 | 330.00 | 685.00 | 810.40 | 664.00 | 833.80 | 1483.00 | 1277.30 | 362.00 | 301.43 | 308.29 | | 250.30 | | |
| 31 | | 643.00 | | 668.50 | 900.40 | | 1237.40 | | 295.30 | 301.43 | | 262.00 | | |
| Total | 8018.40 | 11889.50 | 19004.80 | 20953.40 | 19560.70 | 38873.35 | 45208.15 | 23264.75 | 9577.23 | 9004.39 | 8189.41 | 8423.03 | 221967.11 | CMSDAY |
| Mean | 267.28 | 383.53 | 633.49 | 675.92 | 630.99 | 1295.78 | 1458.33 | 775.49 | 308.94 | 290.46 | 292.48 | 271.71 | 608.13 | CMS |
| Max | 330.00 | 873.40 | 857.20 | 808.60 | 900.40 | 1483.00 | 1552.00 | 1207.60 | 365.00 | 314.29 | 328.86 | 304.00 | 1552.00 | CMS |
| Min | 226.00 | 234.10 | 526.60 | 566.90 | 412.00 | 976.10 | 1237.40 | 362.00 | 217.90 | 243.10 | 256.60 | 235.90 | 217.90 | CMS |
| Runoff | 692.79 | 1027.25 | 1642.01 | 1810.37 | 1690.04 | 3358.66 | 3905.98 | 2010.07 | 827.47 | 777.98 | 707.57 | 727.75 | 19177.96 | MCM |

Momentary Peak 1558.50 CMS. at 28.09 m. (MSL.) at 16.00 Hours , on Oct 18, 2006

Runoff Yield 10.60 Liters/Second/Square KM. Momentary Peak Yield 27.16 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Tha Takhian , Phitsanulok (N.68)

Lat 16 - 52 - 15 N Long 100 - 14 - 36 E

**Location : on right bank at Ban Tha Takhian.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Takhian | **Amphoe** Mueang | **Changwat** Phitsanulok |
| **Drainge Area** | 25,018 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +35.000 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On right bank near the gage site. | **Elevation** | +48.620 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +45.000 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Flow effected by Mae Yom side flow.<br>Stage-discharge relation defined by 20 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

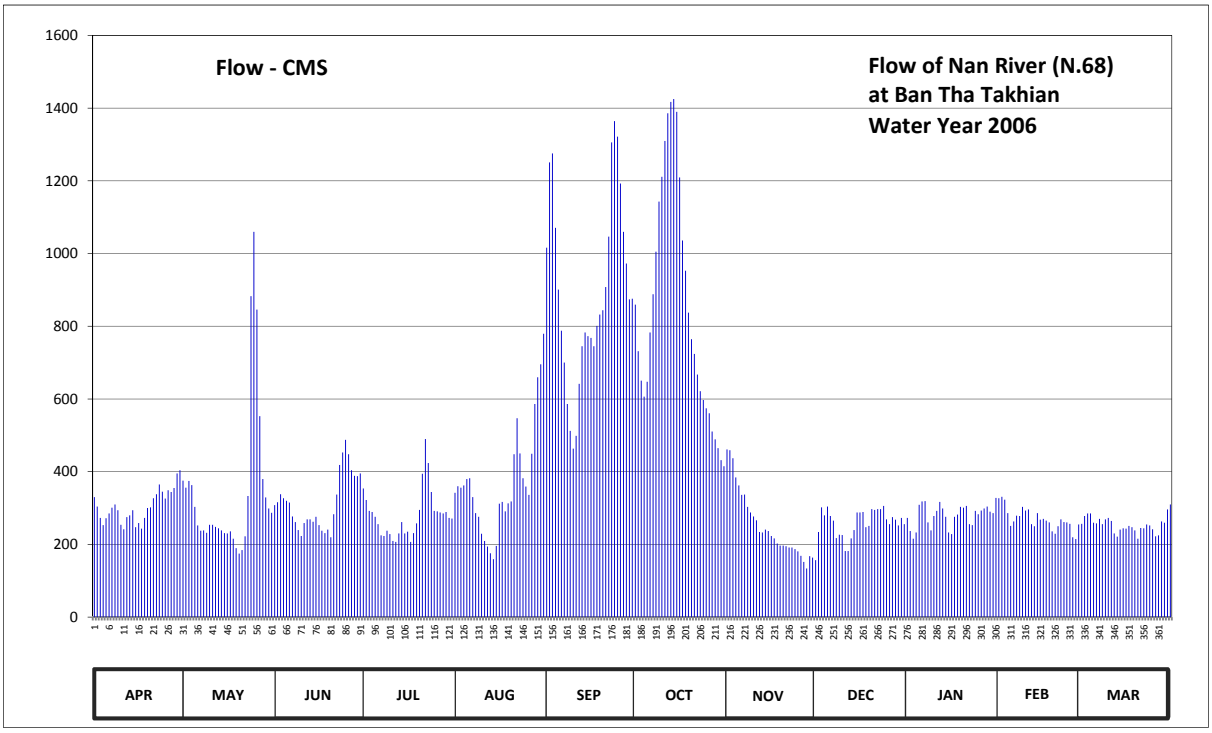
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39.00 | 39.45 | 38.78 | 39.24 | 39.12 | 43.85 | 42.98 | 40.21 | 37.15 | 38.43 | 38.97 | 38.26 | |
| 2 | 38.74 | 39.26 | 38.86 | 38.92 | 39.30 | 45.12 | 42.19 | 40.19 | 38.02 | 38.05 | 39.01 | 38.48 | |
| 3 | 38.43 | 39.44 | 39.08 | 38.62 | 39.26 | 45.25 | 41.65 | 40.01 | 38.72 | 37.82 | 38.93 | 38.55 | |
| 4 | 38.22 | 39.33 | 38.97 | 38.59 | 39.32 | 44.15 | 41.33 | 39.53 | 38.50 | 38.01 | 38.56 | 38.55 | |
| 5 | 38.42 | 38.73 | 38.90 | 38.46 | 39.49 | 43.21 | 41.63 | 39.32 | 38.74 | 38.79 | 38.20 | 38.29 | |
| 6 | 38.55 | 38.21 | 38.85 | 38.25 | 39.51 | 42.55 | 42.52 | 39.06 | 38.48 | 38.88 | 38.33 | 38.27 | |
| 7 | 38.71 | 38.06 | 38.47 | 37.92 | 39.00 | 41.98 | 43.14 | 39.07 | 38.35 | 38.89 | 38.49 | 38.40 | |
| 8 | 38.80 | 38.07 | 38.31 | 37.90 | 38.56 | 41.18 | 43.79 | 38.73 | 37.84 | 38.30 | 38.48 | 38.25 | |
| 9 | 38.64 | 38.00 | 38.08 | 38.06 | 38.46 | 40.63 | 44.54 | 38.58 | 37.94 | 38.07 | 38.73 | 38.39 | |
| 10 | 38.23 | 38.23 | 37.90 | 37.96 | 37.97 | 40.23 | 44.91 | 38.47 | 37.93 | 38.48 | 38.63 | 38.43 | |
| 11 | 38.10 | 38.23 | 38.28 | 37.75 | 37.75 | 40.52 | 45.43 | 38.36 | 37.44 | 38.62 | 38.66 | 38.34 | |
| 12 | 38.45 | 38.17 | 38.39 | 37.72 | 37.58 | 41.59 | 45.82 | 38.02 | 37.44 | 38.87 | 38.25 | 37.98 | |
| 13 | 38.50 | 38.13 | 38.39 | 37.98 | 37.37 | 42.28 | 45.98 | 38.01 | 37.83 | 38.69 | 38.19 | 37.88 | |
| 14 | 38.64 | 38.07 | 38.32 | 38.31 | 37.18 | 42.52 | 46.02 | 38.09 | 38.08 | 38.46 | 38.56 | 38.09 | |
| 15 | 38.16 | 37.99 | 38.46 | 37.98 | 37.60 | 42.46 | 45.84 | 38.05 | 38.58 | 38.01 | 38.38 | 38.13 | |
| 16 | 38.28 | 37.98 | 38.22 | 38.03 | 38.82 | 42.43 | 44.90 | 37.90 | 38.58 | 37.96 | 38.40 | 38.12 | |
| 17 | 38.12 | 38.04 | 38.06 | 37.72 | 38.87 | 42.28 | 43.96 | 37.83 | 38.59 | 38.46 | 38.35 | 38.20 | |
| 18 | 38.43 | 37.82 | 37.99 | 37.99 | 38.61 | 42.63 | 43.50 | 37.67 | 38.16 | 38.52 | 38.30 | 38.16 | |
| 19 | 38.70 | 37.53 | 38.09 | 38.27 | 38.83 | 42.82 | 42.85 | 37.61 | 38.20 | 38.73 | 38.04 | 38.07 | |
| 20 | 38.72 | 37.36 | 37.86 | 38.65 | 38.88 | 42.89 | 42.41 | 37.61 | 38.67 | 38.71 | 37.97 | 37.82 | |
| 21 | 38.97 | 37.47 | 38.53 | 39.62 | 40.10 | 43.25 | 42.14 | 37.59 | 38.65 | 38.76 | 38.19 | 38.14 | |
| 22 | 39.08 | 37.89 | 39.07 | 40.45 | 40.89 | 44.02 | 41.76 | 37.55 | 38.67 | 38.25 | 38.39 | 38.13 | |
| 23 | 39.35 | 39.03 | 39.84 | 39.89 | 40.12 | 45.41 | 41.44 | 37.55 | 38.67 | 38.22 | 38.31 | 38.24 | |
| 24 | 39.15 | 43.11 | 40.14 | 39.14 | 39.51 | 45.71 | 41.26 | 37.50 | 38.76 | 38.62 | 38.30 | 38.21 | |
| 25 | 38.96 | 44.09 | 40.43 | 38.62 | 39.29 | 45.49 | 41.09 | 37.43 | 38.39 | 38.53 | 38.26 | 38.10 | |
| 26 | 39.19 | 42.90 | 40.10 | 38.61 | 39.06 | 44.81 | 40.99 | 37.29 | 38.25 | 38.63 | 37.86 | 37.89 | |
| 27 | 39.14 | 40.93 | 39.71 | 38.58 | 40.11 | 44.09 | 40.62 | 37.09 | 38.45 | 38.69 | 37.81 | 37.92 | |
| 28 | 39.25 | 39.49 | 39.57 | 38.55 | 41.18 | 43.61 | 40.44 | 36.88 | 38.38 | 38.74 | 38.24 | 38.33 | |
| 29 | 39.63 | 38.99 | 39.56 | 38.59 | 41.71 | 43.06 | 40.24 | 37.28 | 38.21 | 38.60 | | 38.29 | |
| 30 | 39.71 | 38.69 | 39.63 | 38.43 | 41.95 | 43.07 | 39.96 | 37.23 | 38.43 | 38.56 | | 38.66 | |
| 31 | | 38.57 | | 38.41 | 42.50 | | 39.81 | | 38.25 | 38.98 | | 38.80 | |
| Mean | 38.74 | 38.94 | 38.83 | 38.49 | 39.29 | 43.10 | 42.75 | 38.19 | 38.27 | 38.49 | 38.39 | 38.24 | |
| Max | 39.71 | 44.09 | 40.43 | 40.45 | 42.50 | 45.71 | 46.02 | 40.21 | 38.76 | 38.98 | 39.01 | 38.80 | 46.02 |
| Min | 38.10 | 37.36 | 37.86 | 37.72 | 37.18 | 40.23 | 39.81 | 36.88 | 37.15 | 37.82 | 37.81 | 37.82 | 36.88 |

Annual Max Momentary Gage Height 46.02 m. (MSL.) , at 06.00 Hours , on Oct 14 , 2006

Zero Gage at Bottom Elevation 35.00 m. (MSL.) , River Bed 33.00 m. (MSL.)

Left Bank Elevation 45.41 m. (MSL.) ,

Right Bank Elevation 44.99 m. (MSL.) , Drainage Are 25,018 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 330.00 | 375.50 | 308.00 | 354.00 | 342.00 | 1016.00 | 859.60 | 461.20 | 156.75 | 273.00 | 327.00 | 256.70 | | |
| 2 | 304.00 | 356.00 | 316.00 | 322.00 | 360.00 | 1250.80 | 731.50 | 458.80 | 233.90 | 236.75 | 331.00 | 278.00 | | |
| 3 | 273.00 | 374.40 | 338.00 | 292.00 | 356.00 | 1275.50 | 650.50 | 437.20 | 302.00 | 215.80 | 323.00 | 285.00 | | |
| 4 | 252.90 | 363.00 | 327.00 | 289.00 | 362.00 | 1070.75 | 606.55 | 384.30 | 280.00 | 232.95 | 286.00 | 285.00 | | |
| 5 | 272.00 | 303.00 | 320.00 | 276.00 | 379.90 | 900.80 | 647.50 | 362.00 | 304.00 | 309.00 | 251.00 | 259.55 | | |
| 6 | 285.00 | 251.95 | 315.00 | 255.75 | 382.10 | 787.75 | 782.80 | 336.00 | 278.00 | 318.00 | 263.35 | 257.65 | | |
| 7 | 301.00 | 237.70 | 277.00 | 224.80 | 330.00 | 700.00 | 888.20 | 337.00 | 265.25 | 319.00 | 279.00 | 270.00 | | |
| 8 | 310.00 | 238.65 | 261.45 | 223.00 | 286.00 | 586.30 | 1005.20 | 303.00 | 217.60 | 260.50 | 278.00 | 255.75 | | |
| 9 | 294.00 | 232.00 | 239.60 | 237.70 | 276.00 | 512.05 | 1142.90 | 288.00 | 226.60 | 238.65 | 303.00 | 269.05 | | |
| 10 | 253.85 | 253.85 | 223.00 | 228.40 | 229.30 | 463.60 | 1211.35 | 277.00 | 225.70 | 278.00 | 293.00 | 273.00 | | |
| 11 | 241.50 | 253.85 | 258.60 | 209.50 | 209.50 | 498.40 | 1309.85 | 266.20 | 181.60 | 292.00 | 296.00 | 264.30 | | |
| 12 | 275.00 | 248.15 | 269.05 | 206.80 | 194.20 | 641.65 | 1385.90 | 233.90 | 181.60 | 317.00 | 255.75 | 230.20 | | |
| 13 | 280.00 | 244.35 | 269.05 | 230.20 | 175.45 | 745.00 | 1417.10 | 232.95 | 216.70 | 299.00 | 250.05 | 221.20 | | |
| 14 | 294.00 | 238.65 | 262.40 | 261.45 | 159.30 | 782.80 | 1424.90 | 240.55 | 239.60 | 276.00 | 286.00 | 240.55 | | |
| 15 | 247.20 | 231.10 | 276.00 | 230.20 | 196.00 | 772.90 | 1389.80 | 236.75 | 288.00 | 232.95 | 268.10 | 244.35 | | |
| 16 | 258.60 | 230.20 | 252.90 | 234.85 | 312.00 | 767.95 | 1209.50 | 223.00 | 288.00 | 228.40 | 270.00 | 243.40 | | |
| 17 | 243.40 | 235.80 | 237.70 | 206.80 | 317.00 | 745.00 | 1035.80 | 216.70 | 289.00 | 276.00 | 265.25 | 251.00 | | |
| 18 | 273.00 | 215.80 | 231.10 | 231.10 | 291.00 | 800.95 | 953.00 | 202.30 | 247.20 | 282.00 | 260.50 | 247.20 | | |
| 19 | 300.00 | 189.70 | 240.55 | 257.65 | 313.00 | 832.40 | 837.50 | 196.90 | 251.00 | 303.00 | 235.80 | 238.65 | | |
| 20 | 302.00 | 174.60 | 219.40 | 295.00 | 318.00 | 844.30 | 764.65 | 196.90 | 297.00 | 301.00 | 229.30 | 215.80 | | |
| 21 | 327.00 | 184.30 | 283.00 | 394.20 | 448.00 | 908.00 | 724.00 | 195.10 | 295.00 | 306.00 | 250.05 | 245.30 | | |
| 22 | 338.00 | 222.10 | 337.00 | 490.00 | 547.15 | 1046.70 | 667.00 | 191.50 | 297.00 | 255.75 | 269.05 | 244.35 | | |
| 23 | 365.00 | 333.00 | 418.40 | 423.90 | 450.40 | 1305.95 | 621.40 | 191.50 | 297.00 | 252.90 | 261.45 | 254.80 | | |
| 24 | 345.00 | 882.80 | 452.80 | 344.00 | 382.10 | 1364.45 | 597.10 | 187.00 | 306.00 | 292.00 | 260.50 | 251.95 | | |
| 25 | 326.00 | 1059.65 | 487.60 | 292.00 | 359.00 | 1321.55 | 574.15 | 180.70 | 269.05 | 283.00 | 256.70 | 241.50 | | |
| 26 | 349.00 | 846.00 | 448.00 | 291.00 | 336.00 | 1192.85 | 560.65 | 168.65 | 255.75 | 293.00 | 219.40 | 222.10 | | |
| 27 | 344.00 | 552.55 | 404.10 | 288.00 | 449.20 | 1059.65 | 510.70 | 151.65 | 275.00 | 299.00 | 214.90 | 224.80 | | |
| 28 | 355.00 | 379.90 | 388.70 | 285.00 | 586.30 | 972.80 | 488.80 | 133.80 | 268.10 | 304.00 | 254.80 | 263.35 | | |
| 29 | 395.30 | 329.00 | 387.60 | 289.00 | 659.50 | 873.80 | 464.80 | 167.80 | 251.95 | 290.00 | | 259.55 | | |
| 30 | 404.10 | 299.00 | 395.30 | 273.00 | 695.50 | 875.60 | 431.60 | 163.55 | 273.00 | 286.00 | | 296.00 | | |
| 31 | | 287.00 | | 271.00 | 779.50 | | 415.10 | | 255.75 | 328.00 | | 310.00 | | |
| Total | 9138.85 | 10623.55 | 9444.30 | 8707.30 | 11481.40 | 26916.25 | 26309.40 | 7621.90 | 8013.10 | 8678.65 | 7537.95 | 7900.05 | 142372.70 | CMSDAY |
| Mean | 304.63 | 342.70 | 314.81 | 280.88 | 370.37 | 897.21 | 848.69 | 254.06 | 258.49 | 279.96 | 269.21 | 254.84 | 390.06 | CMS |
| Max | 404.10 | 1059.65 | 487.60 | 490.00 | 779.50 | 1364.45 | 1424.90 | 461.20 | 306.00 | 328.00 | 331.00 | 310.00 | 1424.90 | CMS |
| Min | 241.50 | 174.60 | 219.40 | 206.80 | 159.30 | 463.60 | 415.10 | 133.80 | 156.75 | 215.80 | 214.90 | 215.80 | 133.80 | CMS |
| Runoff | 789.60 | 917.87 | 815.99 | 752.31 | 991.99 | 2325.56 | 2273.13 | 658.53 | 692.33 | 749.84 | 651.28 | 682.56 | 12301.00 | MCM |

Momentary Peak 1424.90 CMS. at 46.02 m. (MSL.) at 06.00 Hours , on Oct 14 , 2006

Runoff Yield 15.59 Liters/Second/Square KM. Momentary Peak Yield 56.95 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khlong Tron at Ban Wang Pla Kod , Uttaradit (N.72)

Lat 17 - 27 - 24 N Long 100 - 16 - 39 E

**Location : on right bank at Ban Wang Pla Kod.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Wang Pla Kod | | **Amphoe** Thong Saen Khan | **Changwat** Uttaradit | |
| **Drainge Area** | 225 sq.km. | | | | |
| **Type of Gage** | Staff gage | | | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | | | |
| **Bench Mark** | B.M.- H.D. | | | | |
| **Location BM** | On right bank near the gage site. | | | **Elevation** | +5.000 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | | | |
| **Period of Available Gage Records** | 2005 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2005 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2005 to date | | | | |
| **Stability of Channel Regimes** | Stable. | | | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +6.770 m.(A.D.) and is including overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 31 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

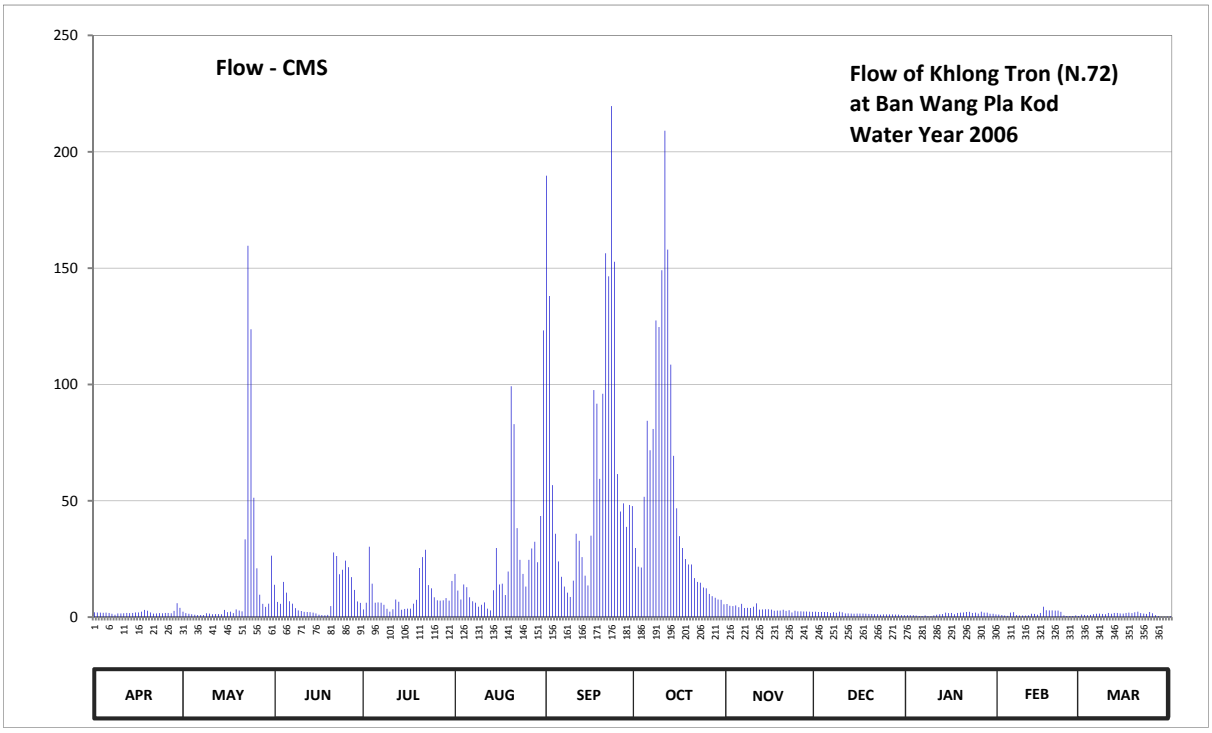
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.61 | 0.66 | 1.74 | 0.81 | 2.05 | 6.96 | 2.72 | 1.06 | 0.65 | 0.37 | 0.42 | 0.42 | |
| 2 | 0.60 | 0.54 | 1.15 | 1.12 | 1.57 | 6.00 | 2.25 | 0.99 | 0.63 | 0.37 | 0.38 | 0.39 | |
| 3 | 0.59 | 0.49 | 1.07 | 2.75 | 1.25 | 3.91 | 2.23 | 0.97 | 0.63 | 0.37 | 0.33 | 0.37 | |
| 4 | 0.57 | 0.44 | 1.82 | 1.77 | 1.75 | 3.03 | 3.73 | 1.00 | 0.63 | 0.33 | 0.31 | 0.39 | |
| 5 | 0.58 | 0.40 | 1.50 | 1.12 | 1.67 | 2.39 | 4.77 | 0.92 | 0.63 | 0.29 | 0.59 | 0.45 | |
| 6 | 0.55 | 0.38 | 1.18 | 1.13 | 1.34 | 1.97 | 4.41 | 1.07 | 0.56 | 0.29 | 0.62 | 0.49 | |
| 7 | 0.49 | 0.38 | 1.08 | 1.12 | 1.18 | 1.69 | 4.67 | 0.88 | 0.62 | 0.35 | 0.36 | 0.50 | |
| 8 | 0.40 | 0.38 | 0.87 | 1.03 | 1.12 | 1.50 | 5.79 | 0.89 | 0.57 | 0.28 | 0.34 | 0.47 | |
| 9 | 0.52 | 0.53 | 0.75 | 0.84 | 0.94 | 1.35 | 5.73 | 0.88 | 0.66 | 0.28 | 0.34 | 0.45 | |
| 10 | 0.51 | 0.50 | 0.70 | 0.65 | 1.03 | 1.86 | 6.22 | 0.94 | 0.61 | 0.35 | 0.34 | 0.55 | |
| 11 | 0.53 | 0.44 | 0.64 | 0.82 | 1.13 | 3.03 | 7.29 | 1.09 | 0.52 | 0.40 | 0.35 | 0.49 | |
| 12 | 0.55 | 0.46 | 0.63 | 1.25 | 0.85 | 2.88 | 6.39 | 0.80 | 0.52 | 0.44 | 0.49 | 0.55 | |
| 13 | 0.54 | 0.46 | 0.62 | 1.16 | 0.75 | 2.50 | 5.38 | 0.81 | 0.50 | 0.46 | 0.47 | 0.55 | |
| 14 | 0.56 | 0.45 | 0.59 | 0.79 | 1.58 | 2.00 | 4.33 | 0.82 | 0.49 | 0.58 | 0.41 | 0.51 | |
| 15 | 0.60 | 0.78 | 0.51 | 0.83 | 2.72 | 1.72 | 3.52 | 0.82 | 0.50 | 0.54 | 0.55 | 0.50 | |
| 16 | 0.60 | 0.62 | 0.41 | 0.85 | 1.75 | 2.99 | 2.98 | 0.80 | 0.50 | 0.55 | 0.94 | 0.56 | |
| 17 | 0.65 | 0.66 | 0.38 | 0.85 | 1.77 | 5.13 | 2.72 | 0.72 | 0.50 | 0.45 | 0.76 | 0.58 | |
| 18 | 0.78 | 0.54 | 0.37 | 1.08 | 1.42 | 4.98 | 2.45 | 0.74 | 0.49 | 0.55 | 0.75 | 0.54 | |
| 19 | 0.72 | 0.81 | 0.39 | 1.24 | 2.12 | 4.00 | 2.31 | 0.74 | 0.47 | 0.58 | 0.75 | 0.61 | |
| 20 | 0.60 | 0.74 | 0.97 | 2.22 | 5.17 | 5.09 | 2.31 | 0.79 | 0.46 | 0.60 | 0.74 | 0.65 | |
| 21 | 0.50 | 0.68 | 2.62 | 2.50 | 4.73 | 6.36 | 1.93 | 0.71 | 0.45 | 0.63 | 0.73 | 0.54 | |
| 22 | 0.51 | 2.91 | 2.53 | 2.68 | 3.15 | 6.17 | 1.82 | 0.76 | 0.45 | 0.64 | 0.64 | 0.50 | |
| 23 | 0.54 | 6.42 | 2.04 | 1.73 | 2.43 | 7.47 | 1.80 | 0.60 | 0.41 | 0.55 | 0.35 | 0.47 | |
| 24 | 0.53 | 5.71 | 2.17 | 1.64 | 2.05 | 6.29 | 1.66 | 0.72 | 0.43 | 0.58 | 0.30 | 0.63 | |
| 25 | 0.56 | 3.71 | 2.41 | 1.34 | 1.69 | 4.07 | 1.64 | 0.68 | 0.43 | 0.50 | 0.30 | 0.53 | |
| 26 | 0.55 | 2.21 | 2.24 | 1.22 | 2.43 | 3.46 | 1.46 | 0.68 | 0.43 | 0.65 | 0.30 | 0.36 | |
| 27 | 0.53 | 1.43 | 1.96 | 1.21 | 2.71 | 3.61 | 1.38 | 0.67 | 0.43 | 0.59 | 0.35 | 0.28 | |
| 28 | 0.71 | 1.07 | 1.59 | 1.22 | 2.86 | 3.18 | 1.32 | 0.67 | 0.42 | 0.58 | 0.29 | 0.22 | |
| 29 | 1.10 | 0.93 | 1.17 | 1.31 | 2.37 | 3.58 | 1.25 | 0.66 | 0.42 | 0.49 | | 0.22 | |
| 30 | 0.89 | 1.08 | 1.11 | 1.21 | 3.38 | 3.56 | 1.24 | 0.64 | 0.37 | 0.49 | | 0.24 | |
| 31 | | 2.54 | | 1.85 | 5.70 | | 1.05 | | 0.37 | 0.43 | | 0.25 | |
| Mean | 0.60 | 1.27 | 1.24 | 1.33 | 2.15 | 3.76 | 3.19 | 0.82 | 0.51 | 0.47 | 0.48 | 0.46 | |
| Max | 1.10 | 6.42 | 2.62 | 2.75 | 5.70 | 7.47 | 7.29 | 1.09 | 0.66 | 0.65 | 0.94 | 0.65 | 7.47 |
| Min | 0.40 | 0.38 | 0.37 | 0.65 | 0.75 | 1.35 | 1.05 | 0.60 | 0.37 | 0.28 | 0.29 | 0.22 | 0.22 |

Annual Max Momentary Gage Height 7.63 m. (A.D.) , at 15.00 Hours , on Sep 23 , 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.11 m. (A.D.)

Left Bank Elevation 6.76 m. (A.D.) ,

Right Bank Elevation 7.59 m. (A.D.) , Drainage Are 225 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.06 | 2.36 | 13.90 | 3.29 | 18.55 | 189.70 | 29.68 | 5.60 | 2.30 | 0.85 | 1.10 | 1.10 | | |
| 2 | 2.00 | 1.70 | 6.50 | 6.20 | 11.41 | 138.00 | 21.63 | 4.91 | 2.18 | 0.85 | 0.90 | 0.95 | | |
| 3 | 1.95 | 1.45 | 5.70 | 30.25 | 7.55 | 56.70 | 21.30 | 4.73 | 2.18 | 0.85 | 0.65 | 0.85 | | |
| 4 | 1.85 | 1.20 | 15.10 | 14.35 | 14.05 | 35.80 | 51.74 | 5.00 | 2.18 | 0.65 | 0.55 | 0.95 | | |
| 5 | 1.90 | 1.00 | 10.50 | 6.20 | 12.85 | 23.94 | 84.35 | 4.28 | 2.18 | 0.45 | 1.95 | 1.25 | | |
| 6 | 1.75 | 0.90 | 6.80 | 6.30 | 8.54 | 17.35 | 71.75 | 5.70 | 1.80 | 0.45 | 2.12 | 1.45 | | |
| 7 | 1.45 | 0.90 | 5.80 | 6.20 | 6.80 | 13.15 | 80.85 | 3.92 | 2.12 | 0.75 | 0.80 | 1.50 | | |
| 8 | 1.00 | 0.90 | 3.83 | 5.30 | 6.20 | 10.50 | 127.52 | 4.01 | 1.85 | 0.40 | 0.70 | 1.35 | | |
| 9 | 1.60 | 1.65 | 2.90 | 3.56 | 4.46 | 8.65 | 124.64 | 3.92 | 2.36 | 0.40 | 0.70 | 1.25 | | |
| 10 | 1.55 | 1.50 | 2.60 | 2.30 | 5.30 | 15.70 | 149.05 | 4.46 | 2.06 | 0.75 | 0.70 | 1.75 | | |
| 11 | 1.65 | 1.20 | 2.24 | 3.38 | 6.30 | 35.80 | 209.04 | 5.90 | 1.60 | 1.00 | 0.75 | 1.45 | | |
| 12 | 1.75 | 1.30 | 2.18 | 7.55 | 3.65 | 32.80 | 157.98 | 3.20 | 1.60 | 1.20 | 1.45 | 1.75 | | |
| 13 | 1.70 | 1.30 | 2.12 | 6.60 | 2.90 | 25.75 | 108.50 | 3.29 | 1.50 | 1.30 | 1.35 | 1.75 | | |
| 14 | 1.80 | 1.25 | 1.95 | 3.14 | 11.54 | 17.80 | 69.30 | 3.38 | 1.45 | 1.90 | 1.05 | 1.55 | | |
| 15 | 2.00 | 3.08 | 1.55 | 3.47 | 29.68 | 13.60 | 46.77 | 3.38 | 1.50 | 1.70 | 1.75 | 1.50 | | |
| 16 | 2.00 | 2.12 | 1.05 | 3.65 | 14.05 | 35.00 | 34.80 | 3.20 | 1.50 | 1.75 | 4.46 | 1.80 | | |
| 17 | 2.30 | 2.36 | 0.90 | 3.65 | 14.35 | 97.60 | 29.68 | 2.72 | 1.50 | 1.25 | 2.96 | 1.90 | | |
| 18 | 3.08 | 1.70 | 0.85 | 5.80 | 9.46 | 91.70 | 24.93 | 2.84 | 1.45 | 1.75 | 2.90 | 1.70 | | |
| 19 | 2.72 | 3.29 | 0.95 | 7.44 | 19.60 | 59.40 | 22.62 | 2.84 | 1.35 | 1.90 | 2.90 | 2.06 | | |
| 20 | 2.00 | 2.84 | 4.73 | 21.13 | 99.20 | 96.00 | 22.62 | 3.14 | 1.30 | 2.00 | 2.84 | 2.30 | | |
| 21 | 1.50 | 2.48 | 27.78 | 25.75 | 82.95 | 156.40 | 16.75 | 2.66 | 1.25 | 2.18 | 2.78 | 1.70 | | |
| 22 | 1.55 | 33.40 | 26.25 | 28.92 | 38.20 | 146.50 | 15.10 | 2.96 | 1.25 | 2.24 | 2.24 | 1.50 | | |
| 23 | 1.70 | 159.60 | 18.40 | 13.75 | 24.60 | 219.61 | 14.80 | 2.00 | 1.05 | 1.75 | 0.75 | 1.35 | | |
| 24 | 1.65 | 123.68 | 20.35 | 12.40 | 18.55 | 152.73 | 12.70 | 2.72 | 1.15 | 1.90 | 0.50 | 2.18 | | |
| 25 | 1.80 | 51.27 | 24.27 | 8.54 | 13.15 | 61.50 | 12.40 | 2.48 | 1.15 | 1.50 | 0.50 | 1.65 | | |
| 26 | 1.75 | 20.97 | 21.46 | 7.22 | 24.60 | 45.35 | 9.98 | 2.48 | 1.15 | 2.30 | 0.50 | 0.80 | | |
| 27 | 1.65 | 9.59 | 17.20 | 7.11 | 29.49 | 48.90 | 8.98 | 2.42 | 1.15 | 1.95 | 0.75 | 0.40 | | |
| 28 | 2.66 | 5.70 | 11.67 | 7.22 | 32.40 | 38.80 | 8.32 | 2.42 | 1.10 | 1.90 | 0.45 | 0.10 | | |
| 29 | 6.00 | 4.37 | 6.70 | 8.21 | 23.61 | 48.19 | 7.55 | 2.36 | 1.10 | 1.45 | | 0.10 | | |
| 30 | 4.01 | 5.80 | 6.10 | 7.11 | 43.46 | 47.72 | 7.44 | 2.24 | 0.85 | 1.45 | | 0.20 | | |
| 31 | | 26.41 | | 15.55 | 123.20 | | 5.50 | | 0.85 | 1.15 | | 0.25 | | |
| Total | 62.38 | 477.27 | 272.33 | 291.54 | 760.65 | 1980.64 | 1608.27 | 105.16 | 48.01 | 41.92 | 41.05 | 40.39 | 5729.61 | CMSDAY |
| Mean | 2.08 | 15.40 | 9.08 | 9.40 | 24.54 | 66.02 | 51.88 | 3.51 | 1.55 | 1.35 | 1.47 | 1.30 | 15.70 | CMS |
| Max | 6.00 | 159.60 | 27.78 | 30.25 | 123.20 | 219.61 | 209.04 | 5.90 | 2.36 | 2.30 | 4.46 | 2.30 | 219.61 | CMS |
| Min | 1.00 | 0.90 | 0.85 | 2.30 | 2.90 | 8.65 | 5.50 | 2.00 | 0.85 | 0.40 | 0.45 | 0.10 | 0.10 | CMS |
| Runoff | 5.39 | 41.24 | 23.53 | 25.19 | 65.72 | 171.13 | 138.95 | 9.09 | 4.15 | 3.62 | 3.55 | 3.49 | 495.04 | MCM |

Momentary Peak 229.01 CMS. at 7.63 m. (A.D.) at 15.00 Hours , on Sep 23 , 2006

Runoff Yield 69.77 Liters/Second/Square KM. Momentary Peak Yield 1017.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Khek River at Ban Tan Tawan , Phetchabun (N.73)

Lat 16 - 33 - 24 N Long 100 - 53 - 44 E

**Location : on right bank at Ban Tan Tawan.**

| | | | |
|---|---|---|---|
| | **Ban** Tan Tawan | **Amphoe** Khao Kho | **Changwat** Phetchabun |
| **Drainge Area** | 213 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +684.529 m. (MSL.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On right bank near the gage site. | | **Elevation** +693.038 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2002 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2002 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2002 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +693.010 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 11 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

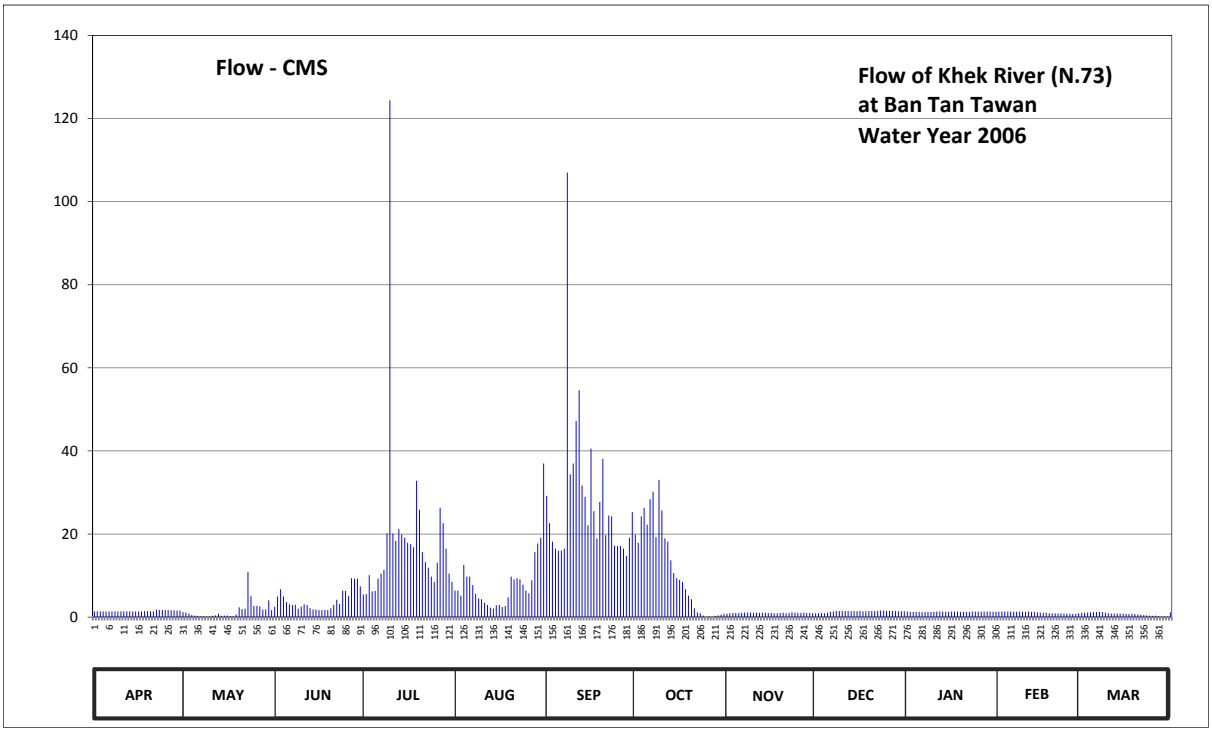
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 685.77 | 685.71 | 685.96 | 686.33 | 686.43 | 687.93 | 687.43 | 685.60 | 685.63 | 685.75 | 685.75 | 685.68 | |
| 2 | 685.77 | 685.68 | 686.28 | 686.34 | 686.43 | 687.61 | 687.30 | 685.63 | 685.63 | 685.73 | 685.76 | 685.68 | |
| 3 | 685.77 | 685.61 | 686.46 | 686.76 | 686.30 | 687.32 | 687.69 | 685.66 | 685.66 | 685.73 | 685.76 | 685.69 | |
| 4 | 685.77 | 685.50 | 686.28 | 686.41 | 686.95 | 687.21 | 687.79 | 685.66 | 685.64 | 685.73 | 685.75 | 685.69 | |
| 5 | 685.77 | 685.45 | 686.12 | 686.42 | 686.73 | 687.18 | 687.59 | 685.66 | 685.68 | 685.73 | 685.75 | 685.71 | |
| 6 | 685.77 | 685.43 | 686.05 | 686.69 | 686.73 | 687.18 | 687.89 | 685.68 | 685.73 | 685.71 | 685.74 | 685.72 | |
| 7 | 685.77 | 685.40 | 686.03 | 686.79 | 686.56 | 687.21 | 687.98 | 685.69 | 685.75 | 685.73 | 685.74 | 685.73 | |
| 8 | 685.77 | 685.39 | 686.04 | 686.86 | 686.35 | 690.86 | 687.39 | 685.69 | 685.79 | 685.73 | 685.74 | 685.71 | |
| 9 | 685.77 | 685.35 | 685.89 | 687.45 | 686.23 | 688.17 | 688.11 | 685.68 | 685.79 | 685.72 | 685.74 | 685.68 | |
| 10 | 685.77 | 685.36 | 685.97 | 691.31 | 686.21 | 688.29 | 687.76 | 685.68 | 685.79 | 685.72 | 685.74 | 685.64 | |
| 11 | 685.77 | 685.44 | 686.05 | 687.45 | 686.10 | 688.74 | 687.37 | 685.68 | 685.79 | 685.75 | 685.75 | 685.61 | |
| 12 | 685.77 | 685.48 | 686.03 | 687.33 | 686.03 | 689.05 | 687.32 | 685.67 | 685.79 | 685.75 | 685.73 | 685.61 | |
| 13 | 685.77 | 685.60 | 685.91 | 687.52 | 685.93 | 688.05 | 687.03 | 685.68 | 685.78 | 685.75 | 685.72 | 685.61 | |
| 14 | 685.77 | 685.44 | 685.86 | 687.43 | 685.89 | 687.92 | 686.80 | 685.68 | 685.79 | 685.74 | 685.69 | 685.61 | |
| 15 | 685.77 | 685.45 | 685.85 | 687.38 | 686.02 | 687.58 | 686.70 | 685.66 | 685.79 | 685.73 | 685.68 | 685.61 | |
| 16 | 685.77 | 685.46 | 685.83 | 687.30 | 686.03 | 688.45 | 686.67 | 685.67 | 685.79 | 685.76 | 685.67 | 685.59 | |
| 17 | 685.77 | 685.42 | 685.83 | 687.28 | 685.96 | 687.75 | 686.63 | 685.64 | 685.77 | 685.76 | 685.68 | 685.57 | |
| 18 | 685.79 | 685.40 | 685.83 | 687.23 | 685.99 | 687.37 | 686.46 | 685.64 | 685.78 | 685.75 | 685.64 | 685.57 | |
| 19 | 685.77 | 685.54 | 685.83 | 688.10 | 686.26 | 687.86 | 686.30 | 685.65 | 685.79 | 685.73 | 685.64 | 685.57 | |
| 20 | 685.77 | 685.94 | 685.90 | 687.77 | 686.73 | 688.34 | 686.21 | 685.67 | 685.79 | 685.73 | 685.62 | 685.55 | |
| 21 | 685.77 | 685.87 | 686.03 | 687.16 | 686.68 | 687.42 | 685.90 | 685.63 | 685.79 | 685.73 | 685.61 | 685.53 | |
| 22 | 685.85 | 685.89 | 686.20 | 687.00 | 686.70 | 687.70 | 685.69 | 685.66 | 685.80 | 685.73 | 685.62 | 685.50 | |
| 23 | 685.84 | 686.82 | 686.06 | 686.90 | 686.68 | 687.69 | 685.63 | 685.70 | 685.81 | 685.76 | 685.61 | 685.47 | |
| 24 | 685.84 | 686.29 | 686.43 | 686.73 | 686.57 | 687.26 | 685.46 | 685.69 | 685.81 | 685.76 | 685.61 | 685.45 | |
| 25 | 685.83 | 686.00 | 686.42 | 686.63 | 686.43 | 687.25 | 685.31 | 685.67 | 685.80 | 685.75 | 685.60 | 685.44 | |
| 26 | 685.83 | 686.00 | 686.29 | 686.99 | 686.36 | 687.25 | 685.38 | 685.67 | 685.79 | 685.74 | 685.59 | 685.45 | |
| 27 | 685.82 | 685.98 | 686.70 | 687.79 | 686.66 | 687.21 | 685.32 | 685.68 | 685.79 | 685.75 | 685.59 | 685.40 | |
| 28 | 685.82 | 685.85 | 686.69 | 687.61 | 687.16 | 687.10 | 685.43 | 685.66 | 685.79 | 685.76 | 685.63 | 685.34 | |
| 29 | 685.81 | 685.86 | 686.69 | 687.21 | 687.29 | 687.38 | 685.47 | 685.66 | 685.78 | 685.76 | | 685.36 | |
| 30 | 685.81 | 686.18 | 686.53 | 686.79 | 687.38 | 687.74 | 685.53 | 685.64 | 685.78 | 685.74 | | 685.36 | |
| 31 | | 685.83 | | 686.63 | 688.29 | | 685.57 | | 685.78 | 685.74 | | 685.70 | |
| Mean | 685.79 | 685.70 | 686.13 | 687.21 | 686.52 | 687.80 | 686.62 | 685.66 | 685.76 | 685.74 | 685.68 | 685.58 | |
| Max | 685.85 | 686.82 | 686.70 | 691.31 | 688.29 | 690.86 | 688.11 | 685.70 | 685.81 | 685.76 | 685.76 | 685.73 | 691.31 |
| Min | 685.77 | 685.35 | 685.83 | 686.33 | 685.89 | 687.10 | 685.31 | 685.60 | 685.63 | 685.71 | 685.59 | 685.34 | 685.31 |

Annual Max Momentary Gage Height 693.03 m. (MSL.) , at 09.00 Hours , on Jul 10, 2006

Zero Gage at Bottom Elevation 684.53 m. (MSL.) , River Bed 685.19 m. (MSL.)

Left Bank Elevation 693.06 m. (MSL.) ,

Right Bank Elevation 693.00 m. (MSL.) , Drainage Are 213 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.40 | 1.19 | 2.46 | 5.44 | 6.40 | 29.17 | 19.85 | 0.80 | 0.91 | 1.33 | 1.33 | 1.08 | | |
| 2 | 1.40 | 1.08 | 4.96 | 5.53 | 6.40 | 22.61 | 17.85 | 0.91 | 0.91 | 1.26 | 1.36 | 1.08 | | |
| 3 | 1.40 | 0.84 | 6.70 | 10.10 | 5.15 | 18.16 | 24.25 | 1.01 | 1.01 | 1.26 | 1.36 | 1.12 | | |
| 4 | 1.40 | 0.50 | 4.96 | 6.20 | 12.55 | 16.46 | 26.30 | 1.01 | 0.94 | 1.26 | 1.33 | 1.12 | | |
| 5 | 1.40 | 0.35 | 3.60 | 6.30 | 9.73 | 15.99 | 22.25 | 1.01 | 1.08 | 1.26 | 1.33 | 1.19 | | |
| 6 | 1.40 | 0.29 | 3.08 | 9.23 | 9.73 | 15.99 | 28.35 | 1.08 | 1.26 | 1.19 | 1.29 | 1.22 | | |
| 7 | 1.40 | 0.20 | 2.93 | 10.48 | 7.70 | 16.46 | 30.19 | 1.12 | 1.33 | 1.26 | 1.29 | 1.26 | | |
| 8 | 1.40 | 0.18 | 3.00 | 11.38 | 5.63 | 106.96 | 19.25 | 1.12 | 1.47 | 1.26 | 1.29 | 1.19 | | |
| 9 | 1.40 | 0.10 | 2.04 | 20.15 | 4.49 | 34.34 | 33.02 | 1.08 | 1.47 | 1.22 | 1.29 | 1.08 | | |
| 10 | 1.40 | 0.12 | 2.52 | 124.40 | 4.30 | 36.98 | 25.68 | 1.08 | 1.47 | 1.22 | 1.29 | 0.94 | | |
| 11 | 1.40 | 0.32 | 3.08 | 20.15 | 3.45 | 47.22 | 18.94 | 1.08 | 1.47 | 1.33 | 1.33 | 0.84 | | |
| 12 | 1.40 | 0.44 | 2.93 | 18.32 | 2.93 | 54.60 | 18.16 | 1.05 | 1.47 | 1.33 | 1.26 | 0.84 | | |
| 13 | 1.40 | 0.80 | 2.16 | 21.20 | 2.28 | 31.70 | 13.67 | 1.08 | 1.43 | 1.33 | 1.22 | 0.84 | | |
| 14 | 1.40 | 0.32 | 1.86 | 19.85 | 2.04 | 28.96 | 10.60 | 1.08 | 1.47 | 1.29 | 1.12 | 0.84 | | |
| 15 | 1.40 | 0.35 | 1.80 | 19.09 | 2.85 | 22.10 | 9.35 | 1.01 | 1.47 | 1.26 | 1.08 | 0.84 | | |
| 16 | 1.40 | 0.38 | 1.68 | 17.85 | 2.93 | 40.55 | 8.98 | 1.05 | 1.47 | 1.36 | 1.05 | 0.77 | | |
| 17 | 1.40 | 0.26 | 1.68 | 17.54 | 2.46 | 25.48 | 8.48 | 0.94 | 1.40 | 1.36 | 1.08 | 0.71 | | |
| 18 | 1.47 | 0.20 | 1.68 | 16.77 | 2.64 | 18.94 | 6.70 | 0.94 | 1.43 | 1.33 | 0.94 | 0.71 | | |
| 19 | 1.40 | 0.62 | 1.68 | 32.80 | 4.77 | 27.73 | 5.15 | 0.98 | 1.47 | 1.26 | 0.94 | 0.71 | | |
| 20 | 1.40 | 2.34 | 2.10 | 25.89 | 9.73 | 38.08 | 4.30 | 1.05 | 1.47 | 1.26 | 0.87 | 0.65 | | |
| 21 | 1.40 | 1.92 | 2.93 | 15.68 | 9.10 | 19.70 | 2.10 | 0.91 | 1.47 | 1.26 | 0.84 | 0.59 | | |
| 22 | 1.80 | 2.04 | 4.20 | 13.20 | 9.35 | 24.45 | 1.12 | 1.01 | 1.50 | 1.26 | 0.87 | 0.50 | | |
| 23 | 1.74 | 10.86 | 3.15 | 11.90 | 9.10 | 24.25 | 0.91 | 1.15 | 1.56 | 1.36 | 0.84 | 0.41 | | |
| 24 | 1.74 | 5.06 | 6.40 | 9.73 | 7.80 | 17.23 | 0.38 | 1.12 | 1.56 | 1.36 | 0.84 | 0.35 | | |
| 25 | 1.68 | 2.70 | 6.30 | 8.48 | 6.40 | 17.08 | 0.02 | 1.05 | 1.50 | 1.33 | 0.80 | 0.32 | | |
| 26 | 1.68 | 2.70 | 5.06 | 13.07 | 5.72 | 17.08 | 0.16 | 1.05 | 1.47 | 1.29 | 0.77 | 0.35 | | |
| 27 | 1.62 | 2.58 | 9.35 | 26.30 | 8.85 | 16.46 | 0.04 | 1.08 | 1.47 | 1.33 | 0.77 | 0.20 | | |
| 28 | 1.62 | 1.80 | 9.23 | 22.61 | 15.68 | 14.75 | 0.29 | 1.01 | 1.47 | 1.36 | 0.91 | 0.08 | | |
| 29 | 1.56 | 1.86 | 9.23 | 16.46 | 17.70 | 19.09 | 0.41 | 1.01 | 1.43 | 1.36 | | 0.12 | | |
| 30 | 1.56 | 4.05 | 7.40 | 10.48 | 19.09 | 25.27 | 0.59 | 0.94 | 1.43 | 1.29 | | 0.12 | | |
| 31 | | 1.68 | | 8.48 | 36.98 | | 0.71 | | 1.43 | 1.29 | | 1.15 | | |
| Total | 44.47 | 48.13 | 120.15 | 575.06 | 253.93 | 843.84 | 358.05 | 30.81 | 42.69 | 40.12 | 30.69 | 23.22 | 2411.16 | CMSDAY |
| Mean | 1.48 | 1.55 | 4.01 | 18.55 | 8.19 | 28.13 | 11.55 | 1.03 | 1.38 | 1.29 | 1.10 | 0.75 | 6.61 | CMS |
| Max | 1.80 | 10.86 | 9.35 | 124.40 | 36.98 | 106.96 | 33.02 | 1.15 | 1.56 | 1.36 | 1.36 | 1.26 | 124.40 | CMS |
| Min | 1.40 | 0.10 | 1.68 | 5.44 | 2.04 | 14.75 | 0.02 | 0.80 | 0.91 | 1.19 | 0.77 | 0.08 | 0.02 | CMS |
| Runoff | 3.84 | 4.16 | 10.38 | 49.69 | 21.94 | 72.91 | 30.94 | 2.66 | 3.69 | 3.47 | 2.65 | 2.01 | 208.32 | MCM |

Momentary Peak 219.04 CMS. at 693.03 m. (MSL.) at 09.00 Hours , on Jul 10, 2006

Runoff Yield 31.16 Liters/Second/Square KM. Momentary Peak Yield 1033.21 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Bang Krathum , Phitsanulok (N.74)

Lat 16 - 34 - 38 N Long 100 - 14 - 33 E

**Location : on left bank at Bang Krathum.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** - | **Amphoe** | Bang Krathum | **Changwat** | Phitsanulok |
| **Drainge Area** | 25,489 sq.km. | | | | |
| **Type of Gage** | Staff gage | | | | |
| **Zero Gage at Bottom** | +29.360 m. (MSL.) | | | | |
| **Bench Mark** | B.M.- H.D. | | | | |
| **Location BM** | On left bank near the gage site. | | | **Elevation** | +44.315 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | | | |
| **Period of Available Gage Records** | 2001 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2001 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2001 to date | | | | |
| **Stability of Channel Regimes** | Stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 19 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

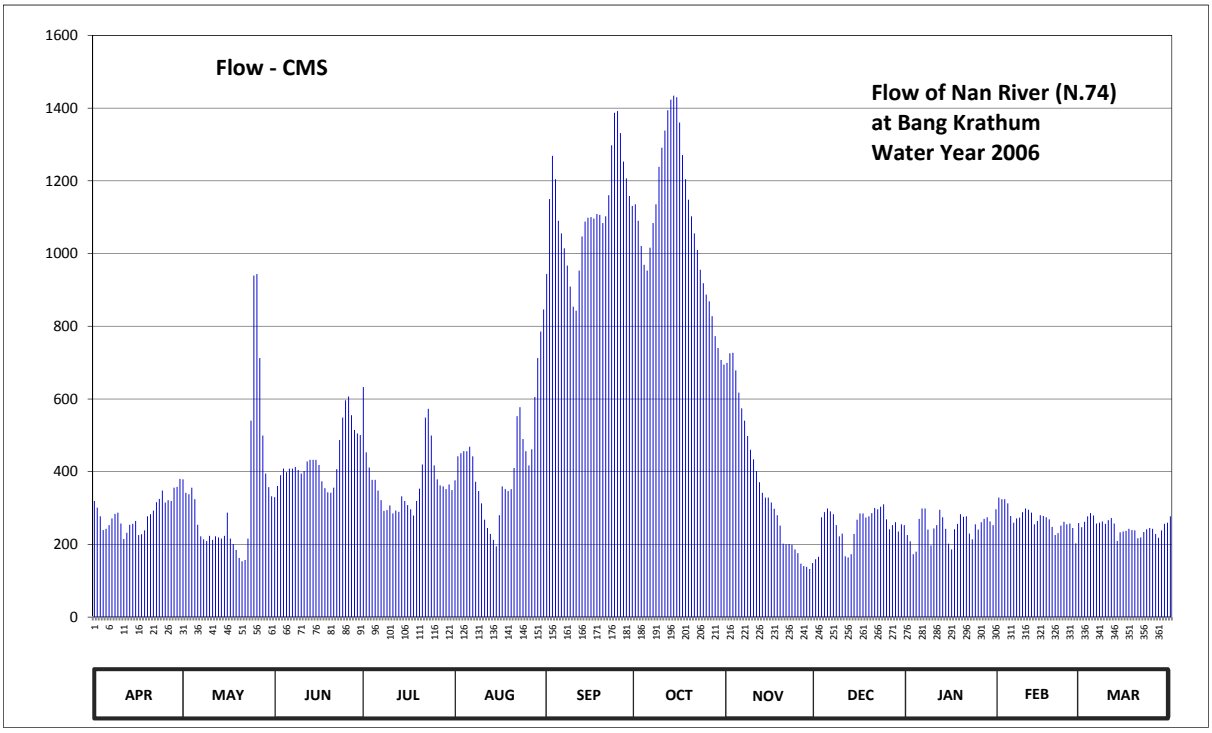
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.24 | 33.72 | 33.33 | 35.51 | 33.70 | 37.29 | 38.24 | 35.94 | 31.76 | 32.41 | 33.32 | 32.61 | |
| 2 | 33.08 | 33.43 | 33.58 | 34.26 | 34.18 | 38.31 | 38.02 | 36.10 | 31.83 | 32.25 | 33.28 | 32.74 | |
| 3 | 32.87 | 33.40 | 33.81 | 33.96 | 34.24 | 38.87 | 37.68 | 36.11 | 32.85 | 31.90 | 33.28 | 32.87 | |
| 4 | 32.54 | 33.54 | 33.94 | 33.71 | 34.28 | 38.57 | 37.42 | 35.81 | 32.97 | 31.97 | 33.18 | 32.95 | |
| 5 | 32.57 | 33.28 | 33.87 | 33.71 | 34.28 | 38.02 | 37.34 | 35.41 | 33.06 | 32.81 | 32.88 | 32.89 | |
| 6 | 32.66 | 32.67 | 33.94 | 33.48 | 34.37 | 37.85 | 37.66 | 35.12 | 32.99 | 33.06 | 32.72 | 32.70 | |
| 7 | 32.82 | 32.38 | 33.94 | 33.26 | 34.18 | 37.65 | 37.99 | 34.88 | 32.92 | 33.06 | 32.82 | 32.72 | |
| 8 | 32.93 | 32.30 | 33.97 | 33.00 | 33.67 | 37.41 | 38.24 | 34.58 | 32.66 | 32.55 | 32.84 | 32.75 | |
| 9 | 32.96 | 32.26 | 33.91 | 33.02 | 33.47 | 37.11 | 38.73 | 34.31 | 32.38 | 32.14 | 32.97 | 32.69 | |
| 10 | 32.70 | 32.39 | 33.84 | 33.13 | 33.18 | 36.81 | 38.97 | 34.12 | 32.45 | 32.58 | 33.06 | 32.78 | |
| 11 | 32.31 | 32.29 | 33.89 | 32.94 | 32.79 | 36.75 | 39.18 | 33.89 | 31.84 | 32.66 | 33.03 | 32.83 | |
| 12 | 32.47 | 32.38 | 34.08 | 33.01 | 32.59 | 37.34 | 39.43 | 33.66 | 31.81 | 33.03 | 32.96 | 32.70 | |
| 13 | 32.67 | 32.35 | 34.11 | 32.98 | 32.44 | 37.81 | 39.56 | 33.43 | 31.90 | 32.85 | 32.68 | 32.26 | |
| 14 | 32.69 | 32.32 | 34.11 | 33.35 | 32.29 | 38.01 | 39.61 | 33.32 | 32.44 | 32.57 | 32.76 | 32.48 | |
| 15 | 32.76 | 32.39 | 34.11 | 33.24 | 32.12 | 38.06 | 39.59 | 33.32 | 32.79 | 32.19 | 32.90 | 32.50 | |
| 16 | 32.41 | 32.96 | 34.01 | 33.14 | 32.90 | 38.07 | 39.28 | 33.20 | 32.94 | 32.03 | 32.88 | 32.52 | |
| 17 | 32.43 | 32.32 | 33.68 | 33.04 | 33.57 | 38.05 | 38.88 | 33.05 | 32.94 | 32.56 | 32.85 | 32.57 | |
| 18 | 32.53 | 32.18 | 33.53 | 32.89 | 33.51 | 38.11 | 38.57 | 32.90 | 32.84 | 32.69 | 32.80 | 32.54 | |
| 19 | 32.87 | 32.02 | 33.44 | 33.24 | 33.47 | 38.10 | 38.30 | 32.65 | 32.87 | 32.92 | 32.62 | 32.53 | |
| 20 | 32.92 | 31.80 | 33.43 | 33.52 | 33.51 | 37.99 | 38.08 | 32.19 | 32.95 | 32.86 | 32.41 | 32.33 | |
| 21 | 33.01 | 31.70 | 33.54 | 34.02 | 33.95 | 38.08 | 37.85 | 32.17 | 33.07 | 32.87 | 32.46 | 32.35 | |
| 22 | 33.21 | 31.74 | 33.93 | 34.94 | 34.97 | 38.36 | 37.63 | 32.18 | 33.04 | 32.45 | 32.65 | 32.49 | |
| 23 | 33.29 | 32.32 | 34.50 | 35.11 | 35.14 | 39.00 | 37.35 | 32.16 | 33.10 | 32.30 | 32.74 | 32.56 | |
| 24 | 33.48 | 34.88 | 34.94 | 34.59 | 34.52 | 39.40 | 37.16 | 32.03 | 33.16 | 32.68 | 32.68 | 32.59 | |
| 25 | 33.20 | 37.27 | 35.27 | 34.00 | 34.28 | 39.42 | 36.99 | 31.93 | 32.80 | 32.55 | 32.70 | 32.57 | |
| 26 | 33.26 | 37.29 | 35.34 | 33.72 | 34.00 | 39.15 | 36.89 | 31.63 | 32.56 | 32.73 | 32.59 | 32.44 | |
| 27 | 33.24 | 36.02 | 34.99 | 33.59 | 34.32 | 38.80 | 36.67 | 31.56 | 32.66 | 32.81 | 32.20 | 32.34 | |
| 28 | 33.54 | 34.59 | 34.70 | 33.57 | 35.33 | 38.58 | 36.37 | 31.54 | 32.73 | 32.85 | 32.71 | 32.53 | |
| 29 | 33.56 | 33.84 | 34.63 | 33.51 | 36.02 | 38.35 | 36.19 | 31.48 | 32.50 | 32.75 | | 32.69 | |
| 30 | 33.73 | 33.55 | 34.60 | 33.61 | 36.44 | 38.22 | 35.99 | 31.65 | 32.68 | 32.66 | | 32.72 | |
| 31 | | 33.35 | | 33.49 | 36.77 | | 35.91 | | 32.66 | 33.04 | | 32.87 | |
| Mean | 32.93 | 33.19 | 34.10 | 33.63 | 34.02 | 38.12 | 37.93 | 33.41 | 32.65 | 32.61 | 32.82 | 32.62 | |
| Max | 33.73 | 37.29 | 35.34 | 35.51 | 36.77 | 39.42 | 39.61 | 36.11 | 33.16 | 33.06 | 33.32 | 32.95 | 39.61 |
| Min | 32.31 | 31.70 | 33.33 | 32.89 | 32.12 | 36.75 | 35.91 | 31.48 | 31.76 | 31.90 | 32.20 | 32.26 | 31.48 |

Annual Max Momentary Gage Height 39.61 m. (MSL.) , at 09.00 Hours , on Oct 14, 2006

Zero Gage at Bottom Elevation 29.36 m. (MSL.) , River Bed 27.78 m. (MSL.)

Left Bank Elevation 44.59 m. (MSL.) ,

Right Bank Elevation 44.70 m. (MSL.) , Drainage Are 25,489 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 319.60 | 378.80 | 329.95 | 632.78 | 376.25 | 943.55 | 1135.40 | 699.40 | 159.20 | 225.58 | 328.80 | 247.15 | | |
| 2 | 301.20 | 341.83 | 360.95 | 453.40 | 442.20 | 1150.10 | 1090.10 | 725.50 | 166.00 | 208.38 | 324.20 | 262.10 | | |
| 3 | 277.05 | 338.00 | 390.40 | 411.40 | 450.60 | 1268.68 | 1020.40 | 727.15 | 274.75 | 173.00 | 324.20 | 277.05 | | |
| 4 | 239.55 | 355.85 | 408.60 | 377.53 | 456.20 | 1204.70 | 968.90 | 678.60 | 288.55 | 180.00 | 312.70 | 286.25 | | |
| 5 | 242.78 | 324.20 | 398.80 | 377.53 | 456.20 | 1090.10 | 953.30 | 617.53 | 298.90 | 270.15 | 278.20 | 279.35 | | |
| 6 | 252.90 | 254.05 | 408.60 | 348.20 | 468.80 | 1055.25 | 1016.30 | 574.40 | 290.85 | 298.90 | 259.80 | 257.50 | | |
| 7 | 271.30 | 222.35 | 408.60 | 321.90 | 442.20 | 1014.25 | 1083.95 | 540.20 | 282.80 | 298.90 | 271.30 | 259.80 | | |
| 8 | 283.95 | 213.75 | 412.80 | 292.00 | 372.43 | 966.95 | 1135.40 | 498.20 | 252.90 | 240.63 | 273.60 | 263.25 | | |
| 9 | 287.40 | 209.45 | 404.40 | 294.30 | 346.93 | 909.35 | 1238.30 | 460.40 | 222.35 | 197.00 | 288.55 | 256.35 | | |
| 10 | 257.50 | 223.43 | 394.60 | 306.95 | 312.70 | 853.85 | 1291.08 | 433.80 | 229.88 | 243.85 | 298.90 | 266.70 | | |
| 11 | 214.83 | 212.68 | 401.60 | 285.10 | 267.85 | 842.75 | 1338.12 | 401.60 | 167.00 | 252.90 | 295.45 | 272.45 | | |
| 12 | 232.03 | 222.35 | 428.20 | 293.15 | 244.93 | 953.30 | 1394.12 | 371.15 | 164.00 | 295.45 | 287.40 | 257.50 | | |
| 13 | 254.05 | 219.13 | 432.40 | 289.70 | 228.80 | 1047.05 | 1423.24 | 341.83 | 173.00 | 274.75 | 255.20 | 209.45 | | |
| 14 | 256.35 | 215.90 | 432.40 | 332.25 | 212.68 | 1088.05 | 1434.44 | 328.80 | 228.80 | 242.78 | 264.40 | 233.10 | | |
| 15 | 264.40 | 223.43 | 432.40 | 319.60 | 195.00 | 1098.30 | 1429.96 | 328.80 | 267.85 | 202.00 | 280.50 | 235.25 | | |
| 16 | 225.58 | 287.40 | 418.40 | 308.10 | 280.50 | 1100.35 | 1360.52 | 315.00 | 285.10 | 186.00 | 278.20 | 237.40 | | |
| 17 | 227.73 | 215.90 | 373.70 | 296.60 | 359.68 | 1096.25 | 1270.92 | 297.75 | 285.10 | 241.70 | 274.75 | 242.78 | | |
| 18 | 238.48 | 201.00 | 354.58 | 279.35 | 352.03 | 1108.55 | 1204.70 | 280.50 | 273.60 | 256.35 | 269.00 | 239.55 | | |
| 19 | 277.05 | 185.00 | 343.10 | 319.60 | 346.93 | 1106.50 | 1148.00 | 251.75 | 277.05 | 282.80 | 248.30 | 238.48 | | |
| 20 | 282.80 | 163.00 | 341.83 | 353.30 | 352.03 | 1083.95 | 1102.40 | 202.00 | 286.25 | 275.90 | 225.58 | 216.98 | | |
| 21 | 293.15 | 153.50 | 355.85 | 419.80 | 410.00 | 1102.40 | 1055.25 | 200.00 | 300.05 | 277.05 | 230.95 | 219.13 | | |
| 22 | 316.15 | 157.30 | 407.20 | 548.60 | 552.80 | 1160.60 | 1010.15 | 201.00 | 296.60 | 229.88 | 251.75 | 234.18 | | |
| 23 | 325.35 | 215.90 | 487.00 | 572.95 | 577.30 | 1297.80 | 955.25 | 199.00 | 303.50 | 213.75 | 262.10 | 241.70 | | |
| 24 | 348.20 | 540.20 | 548.60 | 499.60 | 489.80 | 1387.40 | 918.60 | 186.00 | 310.40 | 255.20 | 255.20 | 244.93 | | |
| 25 | 315.00 | 939.65 | 596.50 | 417.00 | 456.20 | 1391.88 | 887.15 | 176.00 | 269.00 | 240.63 | 257.50 | 242.78 | | |
| 26 | 321.90 | 943.55 | 607.00 | 378.80 | 417.00 | 1331.40 | 868.65 | 146.85 | 241.70 | 260.95 | 244.93 | 228.80 | | |
| 27 | 319.60 | 712.30 | 555.60 | 362.23 | 461.80 | 1253.00 | 827.95 | 140.20 | 252.90 | 270.15 | 203.00 | 218.05 | | |
| 28 | 355.85 | 499.60 | 515.00 | 359.68 | 605.50 | 1206.80 | 772.60 | 138.30 | 260.95 | 274.75 | 258.65 | 238.48 | | |
| 29 | 358.40 | 394.60 | 505.20 | 352.03 | 712.30 | 1158.50 | 740.35 | 132.60 | 235.25 | 263.25 | | 256.35 | | |
| 30 | 380.08 | 357.13 | 501.00 | 364.78 | 785.40 | 1131.20 | 707.40 | 148.75 | 255.20 | 252.90 | | 259.80 | | |
| 31 | | 332.25 | | 349.48 | 846.45 | | 694.60 | | 252.90 | 296.60 | | 277.05 | | |
| Total | 8540.21 | 10253.48 | 12955.26 | 11517.69 | 13279.49 | 33402.81 | 33477.50 | 10743.06 | 7852.38 | 7682.13 | 7603.11 | 7699.69 | 165006.81 | CMSDAY |
| Mean | 284.67 | 330.76 | 431.84 | 371.54 | 428.37 | 1113.43 | 1079.92 | 358.10 | 253.30 | 247.81 | 271.54 | 248.38 | 452.07 | CMS |
| Max | 380.08 | 943.55 | 607.00 | 632.78 | 846.45 | 1391.88 | 1434.44 | 727.15 | 310.40 | 298.90 | 328.80 | 286.25 | 1434.44 | CMS |
| Min | 214.83 | 153.50 | 329.95 | 279.35 | 195.00 | 842.75 | 694.60 | 132.60 | 159.20 | 173.00 | 203.00 | 209.45 | 132.60 | CMS |
| Runoff | 737.87 | 885.90 | 1119.33 | 995.13 | 1147.35 | 2886.00 | 2892.46 | 928.20 | 678.45 | 663.74 | 656.91 | 665.25 | 14256.59 | MCM |

Momentary Peak 1434.44 CMS. at 39.61 m. (MSL.) at 09.00 Hours , on Oct 14, 2006

Runoff Yield 17.74 Liters/Second/Square KM. Momentary Peak Yield 56.28 Liters/Second/Square KM.

## WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Wa at Tha Li Bridge , Nan (N.75)

Lat 18 - 33 - 00 N Long 100 - 48 - 41 E

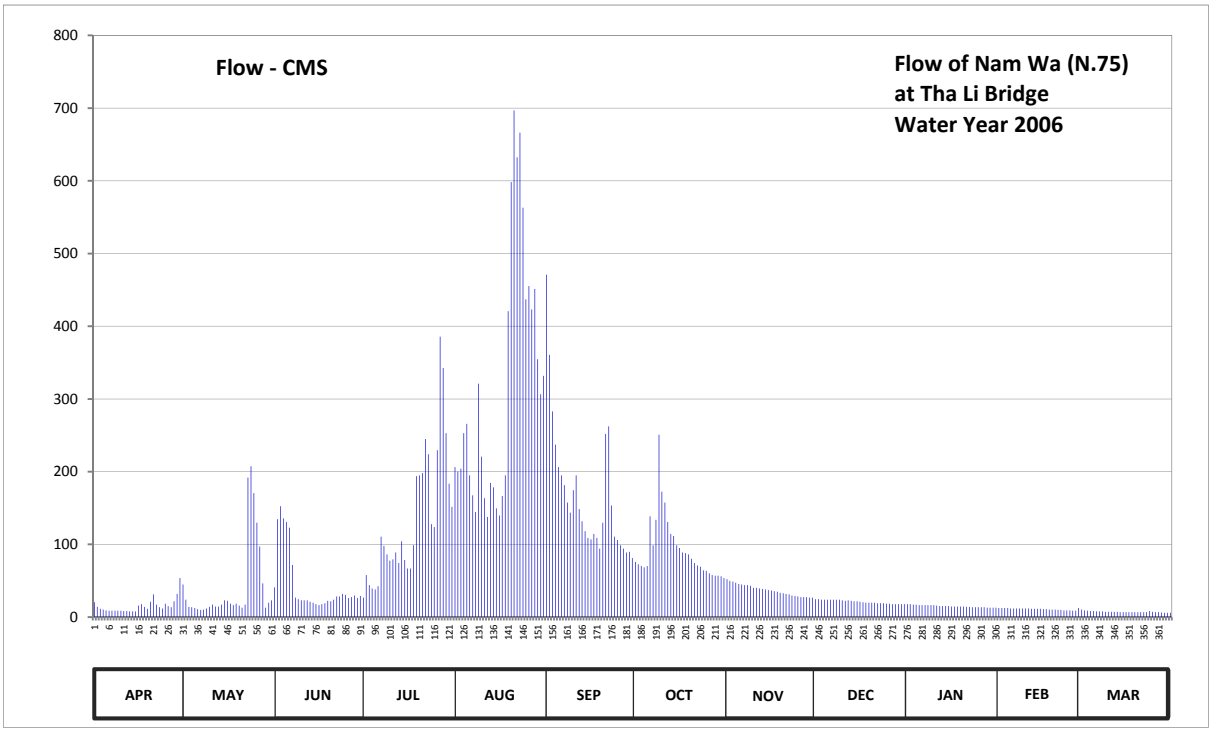
**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Li Bridge | **Amphoe** Wiang Sa | **Changwat** Nan |
| **Drainge Area** | 2,170 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.- H.D. | | |
| **Location BM** | On left bank at the approach of the bridge. | **Elevation** +13.811 m. (A.D.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.59 | 1.92 | 1.87 | 1.68 | 3.65 | 5.86 | 2.30 | 2.01 | 1.65 | 1.55 | 1.46 | 1.42 | |
| 2 | 1.49 | 1.64 | 2.94 | 2.08 | 3.59 | 4.98 | 2.26 | 1.98 | 1.65 | 1.55 | 1.46 | 1.40 | |
| 3 | 1.44 | 1.49 | 3.12 | 1.91 | 3.63 | 4.33 | 2.23 | 1.97 | 1.64 | 1.54 | 1.46 | 1.39 | |
| 4 | 1.42 | 1.48 | 2.95 | 1.85 | 4.07 | 3.93 | 2.21 | 1.95 | 1.64 | 1.54 | 1.46 | 1.38 | |
| 5 | 1.40 | 1.46 | 2.90 | 1.83 | 4.18 | 3.65 | 2.23 | 1.93 | 1.64 | 1.53 | 1.45 | 1.38 | |
| 6 | 1.39 | 1.43 | 2.82 | 1.89 | 3.54 | 3.54 | 2.98 | 1.92 | 1.64 | 1.53 | 1.45 | 1.37 | |
| 7 | 1.39 | 1.41 | 2.25 | 2.69 | 3.27 | 3.41 | 2.56 | 1.91 | 1.64 | 1.53 | 1.45 | 1.37 | |
| 8 | 1.39 | 1.42 | 1.68 | 2.55 | 3.04 | 3.17 | 2.93 | 1.91 | 1.64 | 1.53 | 1.45 | 1.37 | |
| 9 | 1.39 | 1.45 | 1.65 | 2.42 | 4.65 | 3.03 | 4.05 | 1.90 | 1.64 | 1.53 | 1.45 | 1.36 | |
| 10 | 1.39 | 1.49 | 1.63 | 2.32 | 3.78 | 3.34 | 3.32 | 1.86 | 1.63 | 1.53 | 1.45 | 1.36 | |
| 11 | 1.38 | 1.54 | 1.63 | 2.34 | 3.23 | 3.54 | 3.17 | 1.86 | 1.62 | 1.52 | 1.45 | 1.36 | |
| 12 | 1.38 | 1.50 | 1.63 | 2.45 | 2.97 | 3.08 | 2.90 | 1.85 | 1.63 | 1.51 | 1.44 | 1.36 | |
| 13 | 1.37 | 1.50 | 1.60 | 2.28 | 3.44 | 2.91 | 2.73 | 1.84 | 1.62 | 1.51 | 1.44 | 1.36 | |
| 14 | 1.37 | 1.54 | 1.58 | 2.62 | 3.38 | 2.77 | 2.70 | 1.83 | 1.61 | 1.51 | 1.44 | 1.35 | |
| 15 | 1.37 | 1.63 | 1.55 | 2.33 | 3.09 | 2.67 | 2.56 | 1.82 | 1.61 | 1.51 | 1.44 | 1.35 | |
| 16 | 1.52 | 1.62 | 1.53 | 2.19 | 2.99 | 2.65 | 2.52 | 1.81 | 1.60 | 1.50 | 1.43 | 1.35 | |
| 17 | 1.55 | 1.56 | 1.55 | 2.19 | 3.26 | 2.73 | 2.45 | 1.80 | 1.59 | 1.50 | 1.43 | 1.35 | |
| 18 | 1.49 | 1.53 | 1.57 | 2.56 | 3.54 | 2.67 | 2.44 | 1.79 | 1.58 | 1.50 | 1.42 | 1.35 | |
| 19 | 1.44 | 1.56 | 1.62 | 3.53 | 5.47 | 2.51 | 2.42 | 1.77 | 1.58 | 1.50 | 1.42 | 1.35 | |
| 20 | 1.60 | 1.52 | 1.61 | 3.54 | 6.84 | 2.89 | 2.35 | 1.76 | 1.58 | 1.50 | 1.42 | 1.35 | |
| 21 | 1.74 | 1.47 | 1.64 | 3.57 | 7.57 | 4.06 | 2.28 | 1.75 | 1.58 | 1.49 | 1.41 | 1.35 | |
| 22 | 1.54 | 1.54 | 1.70 | 4.00 | 7.10 | 4.15 | 2.24 | 1.74 | 1.57 | 1.49 | 1.41 | 1.35 | |
| 23 | 1.48 | 3.51 | 1.70 | 3.81 | 7.35 | 3.13 | 2.22 | 1.72 | 1.57 | 1.48 | 1.40 | 1.35 | |
| 24 | 1.45 | 3.66 | 1.75 | 2.87 | 6.57 | 2.69 | 2.16 | 1.71 | 1.57 | 1.48 | 1.40 | 1.38 | |
| 25 | 1.56 | 3.30 | 1.73 | 2.83 | 5.60 | 2.64 | 2.15 | 1.70 | 1.56 | 1.48 | 1.40 | 1.36 | |
| 26 | 1.51 | 2.89 | 1.67 | 3.86 | 5.74 | 2.56 | 2.11 | 1.69 | 1.56 | 1.48 | 1.39 | 1.35 | |
| 27 | 1.48 | 2.54 | 1.69 | 5.19 | 5.49 | 2.51 | 2.08 | 1.69 | 1.55 | 1.48 | 1.39 | 1.35 | |
| 28 | 1.61 | 1.94 | 1.72 | 4.83 | 5.71 | 2.45 | 2.07 | 1.69 | 1.55 | 1.47 | 1.46 | 1.34 | |
| 29 | 1.75 | 1.47 | 1.67 | 4.07 | 4.93 | 2.46 | 2.07 | 1.68 | 1.55 | 1.47 | | 1.33 | |
| 30 | 2.03 | 1.58 | 1.71 | 3.43 | 4.53 | 2.36 | 2.06 | 1.68 | 1.55 | 1.47 | | 1.33 | |
| 31 | | 1.63 | | 3.11 | 4.74 | | 2.03 | | 1.55 | 1.47 | | 1.33 | |
| Mean | 1.50 | 1.81 | 1.89 | 2.87 | 4.55 | 3.22 | 2.48 | 1.82 | 1.60 | 1.51 | 1.43 | 1.36 | |
| Max | 2.03 | 3.66 | 3.12 | 5.19 | 7.57 | 5.86 | 4.05 | 2.01 | 1.65 | 1.55 | 1.46 | 1.42 | 7.57 |
| Min | 1.37 | 1.41 | 1.53 | 1.68 | 2.97 | 2.36 | 2.03 | 1.68 | 1.55 | 1.47 | 1.39 | 1.33 | 1.33 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 8.16 | m. (A.D.) , | at 14.00 Hours , on Aug 23 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | -1.55 | m. (A.D.) |
| Left Bank Elevation | 13.71 | m. (A.D.) , | | | |
| Right Bank Elevation | 13.65 | m. (A.D.) , | Drainage Are | 2,170 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.36 | 44.82 | 40.95 | 26.84 | 206.50 | 470.80 | 76.00 | 52.11 | 24.65 | 17.80 | 12.48 | 10.36 | | |
| 2 | 14.07 | 23.92 | 134.72 | 57.78 | 199.98 | 360.60 | 72.64 | 49.68 | 24.65 | 17.80 | 12.48 | 9.30 | | |
| 3 | 11.42 | 14.07 | 152.54 | 44.01 | 204.30 | 282.95 | 70.12 | 48.87 | 23.92 | 17.16 | 12.48 | 8.81 | | |
| 4 | 10.36 | 13.54 | 135.70 | 39.45 | 253.05 | 237.30 | 68.44 | 47.25 | 23.92 | 17.16 | 12.48 | 8.32 | | |
| 5 | 9.30 | 12.48 | 130.80 | 37.95 | 265.70 | 206.50 | 70.12 | 45.63 | 23.92 | 16.52 | 11.95 | 8.32 | | |
| 6 | 8.81 | 10.89 | 122.96 | 42.45 | 194.85 | 194.85 | 138.64 | 44.82 | 23.92 | 16.52 | 11.95 | 7.83 | | |
| 7 | 8.81 | 9.83 | 71.80 | 110.68 | 167.50 | 181.53 | 98.76 | 44.01 | 23.92 | 16.52 | 11.95 | 7.83 | | |
| 8 | 8.81 | 10.36 | 26.84 | 97.85 | 144.58 | 157.52 | 133.74 | 44.01 | 23.92 | 16.52 | 11.95 | 7.83 | | |
| 9 | 8.81 | 11.95 | 24.65 | 86.34 | 321.00 | 143.59 | 250.75 | 43.20 | 23.92 | 16.52 | 11.95 | 7.34 | | |
| 10 | 8.81 | 14.07 | 23.19 | 77.72 | 220.80 | 174.50 | 172.50 | 40.20 | 23.19 | 16.52 | 11.95 | 7.34 | | |
| 11 | 8.32 | 17.16 | 23.19 | 79.44 | 163.50 | 194.85 | 157.52 | 40.20 | 22.46 | 15.88 | 11.95 | 7.34 | | |
| 12 | 8.32 | 14.60 | 23.19 | 88.95 | 137.66 | 148.56 | 130.80 | 39.45 | 23.19 | 15.24 | 11.42 | 7.34 | | |
| 13 | 7.83 | 14.60 | 21.00 | 74.32 | 184.60 | 131.78 | 114.42 | 38.70 | 22.46 | 15.24 | 11.42 | 7.34 | | |
| 14 | 7.83 | 17.16 | 19.72 | 104.24 | 178.50 | 118.18 | 111.60 | 37.95 | 21.73 | 15.24 | 11.42 | 6.85 | | |
| 15 | 7.83 | 23.19 | 17.80 | 78.58 | 149.56 | 108.84 | 98.76 | 37.20 | 21.73 | 15.24 | 11.42 | 6.85 | | |
| 16 | 15.88 | 22.46 | 16.52 | 66.78 | 139.62 | 107.00 | 95.12 | 36.45 | 21.00 | 14.60 | 10.89 | 6.85 | | |
| 17 | 17.80 | 18.44 | 17.80 | 66.78 | 166.50 | 114.42 | 88.95 | 35.70 | 20.36 | 14.60 | 10.89 | 6.85 | | |
| 18 | 14.07 | 16.52 | 19.08 | 98.76 | 194.85 | 108.84 | 88.08 | 34.96 | 19.72 | 14.60 | 10.36 | 6.85 | | |
| 19 | 11.42 | 18.44 | 22.46 | 193.83 | 420.75 | 94.21 | 86.34 | 33.48 | 19.72 | 14.60 | 10.36 | 6.85 | | |
| 20 | 21.00 | 15.88 | 21.73 | 194.85 | 598.20 | 129.82 | 80.30 | 32.74 | 19.72 | 14.60 | 10.36 | 6.85 | | |
| 21 | 31.26 | 13.01 | 23.92 | 197.93 | 696.80 | 251.90 | 74.32 | 32.00 | 19.72 | 14.07 | 9.83 | 6.85 | | |
| 22 | 17.16 | 17.16 | 28.30 | 245.00 | 632.50 | 262.25 | 70.96 | 31.26 | 19.08 | 14.07 | 9.83 | 6.85 | | |
| 23 | 13.54 | 191.78 | 28.30 | 224.10 | 666.25 | 153.54 | 69.28 | 29.78 | 19.08 | 13.54 | 9.30 | 6.85 | | |
| 24 | 11.95 | 207.60 | 32.00 | 127.86 | 563.10 | 110.68 | 64.32 | 29.04 | 19.08 | 13.54 | 9.30 | 8.32 | | |
| 25 | 18.44 | 170.50 | 30.52 | 123.94 | 437.00 | 106.08 | 63.50 | 28.30 | 18.44 | 13.54 | 9.30 | 7.34 | | |
| 26 | 15.24 | 129.82 | 26.11 | 229.60 | 455.20 | 98.76 | 60.22 | 27.57 | 18.44 | 13.54 | 8.81 | 6.85 | | |
| 27 | 13.54 | 96.94 | 27.57 | 385.80 | 423.25 | 94.21 | 57.78 | 27.57 | 17.80 | 13.54 | 8.81 | 6.85 | | |
| 28 | 21.73 | 46.44 | 29.78 | 342.60 | 451.30 | 88.95 | 56.97 | 27.57 | 17.80 | 13.01 | 12.48 | 6.36 | | |
| 29 | 32.00 | 13.01 | 26.11 | 253.05 | 354.60 | 89.82 | 56.97 | 26.84 | 17.80 | 13.01 | | 5.87 | | |
| 30 | 53.73 | 19.72 | 29.04 | 183.58 | 306.60 | 81.16 | 56.16 | 26.84 | 17.80 | 13.01 | | 5.87 | | |
| 31 | | 23.19 | | 151.55 | 331.80 | | 53.73 | | 17.80 | 13.01 | | 5.87 | | |
| Total | 458.45 | 1273.55 | 1348.29 | 4132.61 | 9830.40 | 5003.99 | 2887.81 | 1113.38 | 654.86 | 466.76 | 309.77 | 227.13 | 27707.00 | CMSDAY |
| Mean | 15.28 | 41.08 | 44.94 | 133.31 | 317.11 | 166.80 | 93.16 | 37.11 | 21.12 | 15.06 | 11.06 | 7.33 | 75.91 | CMS |
| Max | 53.73 | 207.60 | 152.54 | 385.80 | 696.80 | 470.80 | 250.75 | 52.11 | 24.65 | 17.80 | 12.48 | 10.36 | 696.80 | CMS |
| Min | 7.83 | 9.83 | 16.52 | 26.84 | 137.66 | 81.16 | 53.73 | 26.84 | 17.80 | 13.01 | 8.81 | 5.87 | 5.87 | CMS |
| Runoff | 39.61 | 110.03 | 116.49 | 357.06 | 849.35 | 432.34 | 249.51 | 96.20 | 56.58 | 40.33 | 26.76 | 19.62 | 2393.88 | MCM |

Momentary Peak 779.40 CMS. at 8.16 m. (A.D.) at 14.00 Hours , on Aug 23 , 2006

Runoff Yield 34.97 Liters/Second/Square KM. Momentary Peak Yield 359.08 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Chao Phraya River at Ban Klang Dad, Nakhon Sawan (C.2A)

Lat 15 - 37 - 56 N Long 100 - 06 - 03 E

**Location : on left bank at Ban Klang Dad.**

| | | | |
|---|---|---|---|
| | **Ban** Klang Dad | **Amphoe** Mueang | **Changwat** Nakhon Sawan |
| **Drainge Area** | 109,973 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +24.220 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +21.910 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 110 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

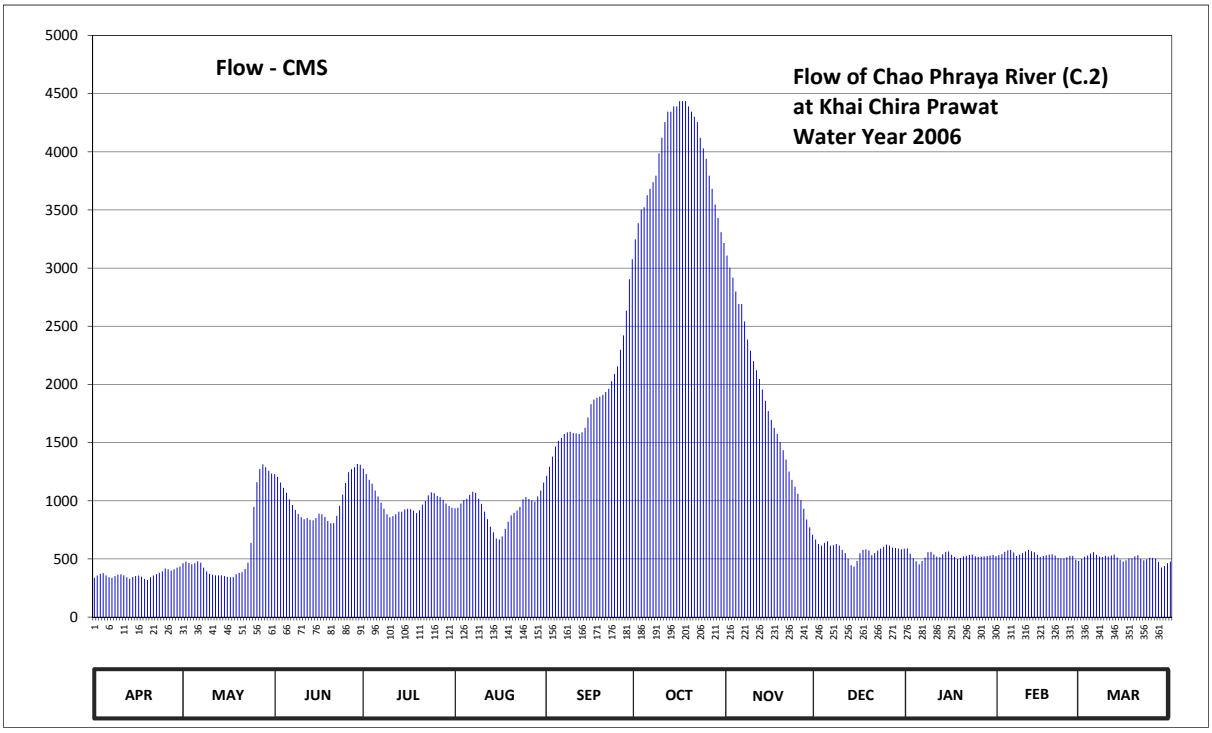
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.59 | 19.17 | 21.70 | 21.84 | 20.79 | 21.66 | 24.94 | 24.85 | 19.92 | 19.66 | 19.44 | 19.32 | |
| 2 | 18.69 | 19.23 | 21.63 | 21.70 | 20.81 | 21.89 | 25.02 | 24.78 | 19.79 | 19.49 | 19.47 | 19.39 | |
| 3 | 18.77 | 19.18 | 21.48 | 21.55 | 20.92 | 22.14 | 25.07 | 24.72 | 19.74 | 19.34 | 19.55 | 19.43 | |
| 4 | 18.80 | 19.13 | 21.34 | 21.45 | 21.01 | 22.39 | 25.08 | 24.63 | 19.82 | 19.24 | 19.60 | 19.49 | |
| 5 | 18.70 | 19.17 | 21.21 | 21.27 | 21.05 | 22.53 | 25.12 | 24.54 | 19.87 | 19.13 | 19.61 | 19.54 | |
| 6 | 18.61 | 19.24 | 21.03 | 21.11 | 21.15 | 22.60 | 25.14 | 24.54 | 19.74 | 19.25 | 19.53 | 19.45 | |
| 7 | 18.59 | 19.19 | 20.88 | 20.94 | 21.24 | 22.70 | 25.16 | 24.41 | 19.75 | 19.36 | 19.41 | 19.39 | |
| 8 | 18.66 | 19.01 | 20.75 | 20.78 | 21.21 | 22.74 | 25.18 | 24.24 | 19.79 | 19.54 | 19.46 | 19.38 | |
| 9 | 18.73 | 18.87 | 20.64 | 20.63 | 21.05 | 22.75 | 25.23 | 24.12 | 19.74 | 19.55 | 19.51 | 19.42 | |
| 10 | 18.74 | 18.77 | 20.55 | 20.55 | 20.91 | 22.72 | 25.26 | 24.00 | 19.61 | 19.46 | 19.56 | 19.39 | |
| 11 | 18.70 | 18.73 | 20.50 | 20.58 | 20.70 | 22.71 | 25.29 | 23.88 | 19.51 | 19.39 | 19.61 | 19.43 | |
| 12 | 18.61 | 18.70 | 20.53 | 20.63 | 20.50 | 22.70 | 25.31 | 23.76 | 19.32 | 19.37 | 19.57 | 19.46 | |
| 13 | 18.54 | 18.70 | 20.48 | 20.70 | 20.29 | 22.74 | 25.31 | 23.61 | 19.10 | 19.47 | 19.54 | 19.36 | |
| 14 | 18.62 | 18.70 | 20.47 | 20.70 | 20.13 | 22.85 | 25.32 | 23.42 | 19.05 | 19.55 | 19.45 | 19.29 | |
| 15 | 18.67 | 18.67 | 20.53 | 20.76 | 19.95 | 23.09 | 25.32 | 23.23 | 19.25 | 19.56 | 19.38 | 19.23 | |
| 16 | 18.69 | 18.63 | 20.65 | 20.78 | 19.92 | 23.36 | 25.33 | 23.04 | 19.50 | 19.45 | 19.41 | 19.27 | |
| 17 | 18.64 | 18.61 | 20.63 | 20.77 | 20.01 | 23.44 | 25.33 | 22.85 | 19.61 | 19.38 | 19.44 | 19.33 | |
| 18 | 18.54 | 18.62 | 20.56 | 20.73 | 20.23 | 23.47 | 25.33 | 22.70 | 19.63 | 19.31 | 19.46 | 19.33 | |
| 19 | 18.49 | 18.75 | 20.45 | 20.66 | 20.43 | 23.49 | 25.32 | 22.50 | 19.60 | 19.35 | 19.47 | 19.40 | |
| 20 | 18.61 | 18.81 | 20.39 | 20.74 | 20.60 | 23.52 | 25.31 | 22.30 | 19.44 | 19.40 | 19.43 | 19.44 | |
| 21 | 18.69 | 18.84 | 20.39 | 20.89 | 20.67 | 23.57 | 25.30 | 22.07 | 19.51 | 19.42 | 19.34 | 19.32 | |
| 22 | 18.75 | 18.96 | 20.59 | 20.99 | 20.73 | 23.62 | 25.29 | 21.77 | 19.59 | 19.45 | 19.33 | 19.27 | |
| 23 | 18.81 | 19.19 | 20.86 | 21.14 | 20.83 | 23.73 | 25.26 | 21.55 | 19.65 | 19.46 | 19.33 | 19.30 | |
| 24 | 18.87 | 19.82 | 21.16 | 21.22 | 21.03 | 23.83 | 25.24 | 21.37 | 19.70 | 19.40 | 19.37 | 19.35 | |
| 25 | 18.98 | 20.83 | 21.47 | 21.20 | 21.09 | 23.93 | 25.22 | 21.18 | 19.77 | 19.38 | 19.42 | 19.35 | |
| 26 | 18.95 | 21.49 | 21.75 | 21.12 | 21.04 | 24.13 | 25.18 | 21.01 | 19.74 | 19.39 | 19.42 | 19.33 | |
| 27 | 18.90 | 21.83 | 21.83 | 21.09 | 21.00 | 24.28 | 25.14 | 20.78 | 19.68 | 19.40 | 19.29 | 19.21 | |
| 28 | 18.95 | 21.95 | 21.88 | 21.02 | 20.97 | 24.49 | 25.09 | 20.49 | 19.67 | 19.41 | 19.25 | 19.02 | |
| 29 | 19.01 | 21.88 | 21.96 | 20.92 | 21.11 | 24.71 | 25.04 | 20.27 | 19.65 | 19.43 | | 19.07 | |
| 30 | 19.05 | 21.79 | 21.94 | 20.85 | 21.27 | 24.83 | 24.98 | 20.06 | 19.63 | 19.45 | | 19.17 | |
| 31 | | 21.72 | | 20.81 | 21.48 | | 24.92 | | 19.65 | 19.40 | | 19.23 | |
| Mean | 18.73 | 19.55 | 21.01 | 20.97 | 20.78 | 23.22 | 25.19 | 22.89 | 19.61 | 19.41 | 19.45 | 19.33 | |
| Max | 19.05 | 21.95 | 21.96 | 21.84 | 21.48 | 24.83 | 25.33 | 24.85 | 19.92 | 19.66 | 19.61 | 19.54 | 25.33 |
| Min | 18.49 | 18.61 | 20.39 | 20.55 | 19.92 | 21.66 | 24.92 | 20.06 | 19.05 | 19.13 | 19.25 | 19.02 | 18.49 |

Annual Max Momentary Gage Height 25.33 m. (MSL.) , at 06.00 Hours , on Oct 16 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 14.11 m. (MSL.)

Left Bank Elevation 24.60 m. (MSL.) ,

Right Bank Elevation 21.90 m. (MSL.) , Drainage Are 109,973 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 338.10 | 462.80 | 1229.00 | 1275.60 | 934.80 | 1215.80 | 3247.00 | 3107.50 | 666.80 | 591.40 | 532.40 | 501.20 | | |
| 2 | 357.10 | 477.80 | 1205.90 | 1229.00 | 941.20 | 1292.60 | 3386.00 | 3002.00 | 629.10 | 545.40 | 540.20 | 519.40 | | |
| 3 | 372.30 | 465.20 | 1156.40 | 1179.50 | 976.40 | 1379.00 | 3501.00 | 2918.00 | 614.60 | 506.40 | 561.00 | 529.80 | | |
| 4 | 378.00 | 453.20 | 1110.80 | 1146.50 | 1005.20 | 1466.50 | 3524.00 | 2799.00 | 637.80 | 480.40 | 574.00 | 545.40 | | |
| 5 | 359.00 | 462.80 | 1069.20 | 1088.40 | 1018.00 | 1515.50 | 3626.00 | 2691.00 | 652.30 | 453.20 | 576.90 | 558.40 | | |
| 6 | 341.90 | 480.40 | 1011.60 | 1037.20 | 1050.00 | 1540.00 | 3682.00 | 2691.00 | 614.60 | 483.00 | 555.80 | 535.00 | | |
| 7 | 338.10 | 467.60 | 963.60 | 982.80 | 1078.80 | 1575.00 | 3738.00 | 2541.50 | 617.50 | 511.60 | 524.60 | 519.40 | | |
| 8 | 351.40 | 424.40 | 922.00 | 931.60 | 1069.20 | 1589.00 | 3794.00 | 2386.00 | 629.10 | 558.40 | 537.60 | 516.80 | | |
| 9 | 364.70 | 393.40 | 886.80 | 883.60 | 1018.00 | 1592.50 | 3985.00 | 2290.00 | 614.60 | 561.00 | 550.60 | 527.20 | | |
| 10 | 366.60 | 372.30 | 858.00 | 858.00 | 973.20 | 1582.00 | 4120.00 | 2200.00 | 576.90 | 537.60 | 563.60 | 519.40 | | |
| 11 | 359.00 | 364.70 | 842.00 | 867.60 | 906.00 | 1578.50 | 4255.00 | 2122.00 | 550.60 | 519.40 | 576.90 | 529.80 | | |
| 12 | 341.90 | 359.00 | 851.60 | 883.60 | 842.00 | 1575.00 | 4345.00 | 2046.00 | 501.20 | 514.20 | 566.20 | 537.60 | | |
| 13 | 328.60 | 359.00 | 835.60 | 906.00 | 777.00 | 1589.00 | 4345.00 | 1956.00 | 446.00 | 540.20 | 558.40 | 511.60 | | |
| 14 | 343.80 | 359.00 | 832.40 | 906.00 | 729.00 | 1627.50 | 4390.00 | 1860.00 | 434.00 | 561.00 | 535.00 | 493.40 | | |
| 15 | 353.30 | 353.30 | 851.60 | 925.20 | 675.50 | 1716.00 | 4390.00 | 1772.00 | 483.00 | 563.60 | 516.80 | 477.80 | | |
| 16 | 357.10 | 345.70 | 890.00 | 931.60 | 666.80 | 1830.00 | 4435.00 | 1696.00 | 548.00 | 535.00 | 524.60 | 488.20 | | |
| 17 | 347.60 | 341.90 | 883.60 | 928.40 | 693.00 | 1870.00 | 4435.00 | 1627.50 | 576.90 | 516.80 | 532.40 | 503.80 | | |
| 18 | 328.60 | 343.80 | 861.20 | 915.60 | 759.00 | 1885.00 | 4435.00 | 1575.00 | 582.70 | 498.60 | 537.60 | 503.80 | | |
| 19 | 319.30 | 368.50 | 826.00 | 893.20 | 819.60 | 1895.00 | 4390.00 | 1505.00 | 574.00 | 509.00 | 540.20 | 522.00 | | |
| 20 | 341.90 | 380.20 | 807.00 | 918.80 | 874.00 | 1910.00 | 4345.00 | 1435.00 | 532.40 | 522.00 | 529.80 | 532.40 | | |
| 21 | 357.10 | 386.80 | 807.00 | 966.80 | 896.40 | 1935.00 | 4300.00 | 1354.50 | 550.60 | 527.20 | 506.40 | 501.20 | | |
| 22 | 368.50 | 413.20 | 870.80 | 998.80 | 915.60 | 1962.00 | 4255.00 | 1252.10 | 571.40 | 535.00 | 503.80 | 488.20 | | |
| 23 | 380.20 | 467.60 | 957.20 | 1046.80 | 947.60 | 2028.00 | 4120.00 | 1179.50 | 588.50 | 537.60 | 503.80 | 496.00 | | |
| 24 | 393.40 | 637.80 | 1053.20 | 1072.40 | 1011.60 | 2089.50 | 4030.00 | 1120.40 | 603.00 | 522.00 | 514.20 | 509.00 | | |
| 25 | 417.60 | 947.60 | 1153.10 | 1066.00 | 1030.80 | 2154.50 | 3940.00 | 1059.60 | 623.30 | 516.80 | 527.20 | 509.00 | | |
| 26 | 411.00 | 1159.70 | 1245.50 | 1040.40 | 1014.80 | 2297.50 | 3794.00 | 1005.20 | 614.60 | 519.40 | 527.20 | 503.80 | | |
| 27 | 400.00 | 1272.20 | 1272.20 | 1030.80 | 1002.00 | 2422.00 | 3682.00 | 931.60 | 597.20 | 522.00 | 493.40 | 472.60 | | |
| 28 | 411.00 | 1313.00 | 1289.20 | 1008.40 | 992.40 | 2633.50 | 3547.00 | 838.80 | 594.30 | 524.60 | 483.00 | 426.80 | | |
| 29 | 424.40 | 1289.20 | 1316.40 | 976.40 | 1037.20 | 2904.00 | 3432.00 | 771.00 | 588.50 | 529.80 | | 438.80 | | |
| 30 | 434.00 | 1258.70 | 1309.60 | 954.00 | 1088.40 | 3076.50 | 3309.00 | 708.00 | 582.70 | 535.00 | | 462.80 | | |
| 31 | | 1235.60 | | 941.20 | 1156.40 | | 3216.00 | | 588.50 | 522.00 | | 477.80 | | |
| Total | 10985.50 | 18416.40 | 30168.50 | 30790.20 | 28899.90 | 55726.40 | 121993.00 | 54441.20 | 17984.70 | 16299.60 | 14993.60 | 15658.40 | 416357.40 | CMSDAY |
| Mean | 366.18 | 594.08 | 1005.62 | 993.23 | 932.25 | 1857.55 | 3935.26 | 1814.71 | 580.15 | 525.79 | 535.49 | 505.11 | 1140.71 | CMS |
| Max | 434.00 | 1313.00 | 1316.40 | 1275.60 | 1156.40 | 3076.50 | 4435.00 | 3107.50 | 666.80 | 591.40 | 576.90 | 558.40 | 4435.00 | CMS |
| Min | 319.30 | 341.90 | 807.00 | 858.00 | 666.80 | 1215.80 | 3216.00 | 708.00 | 434.00 | 453.20 | 483.00 | 426.80 | 319.30 | CMS |
| Runoff | 949.15 | 1591.18 | 2606.56 | 2660.27 | 2496.95 | 4814.76 | 10540.2 | 4703.72 | 1553.88 | 1408.29 | 1295.45 | 1352.89 | 35973.28 | MCM |

Momentary Peak 4435.00 CMS. at 25.33 m. (MSL.) at 06.00 Hours , on Oct 16 , 2006

Runoff Yield 10.37 Liters/Second/Square KM. Momentary Peak Yield 40.33 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Chao Phraya River at Ban Bang Phutsa, Sing Buri (C.3)

Lat 14 - 53 - 50 N Long 100 - 24 - 18 E

**Location : on right bank at Ban Bang Phutsa**

| | | | |
|---|---|---|---|
| | **Ban** Bang Phutsa | **Amphoe** Mueang | **Changwat** Sing Buri |
| **Drainge Area** | 118,752 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the bridge | | **Elevation** +11.880 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1950 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1950 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1950 to date | | |
| **Stability of Channel Regimes** | Fairly stable | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +11.700 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 53 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

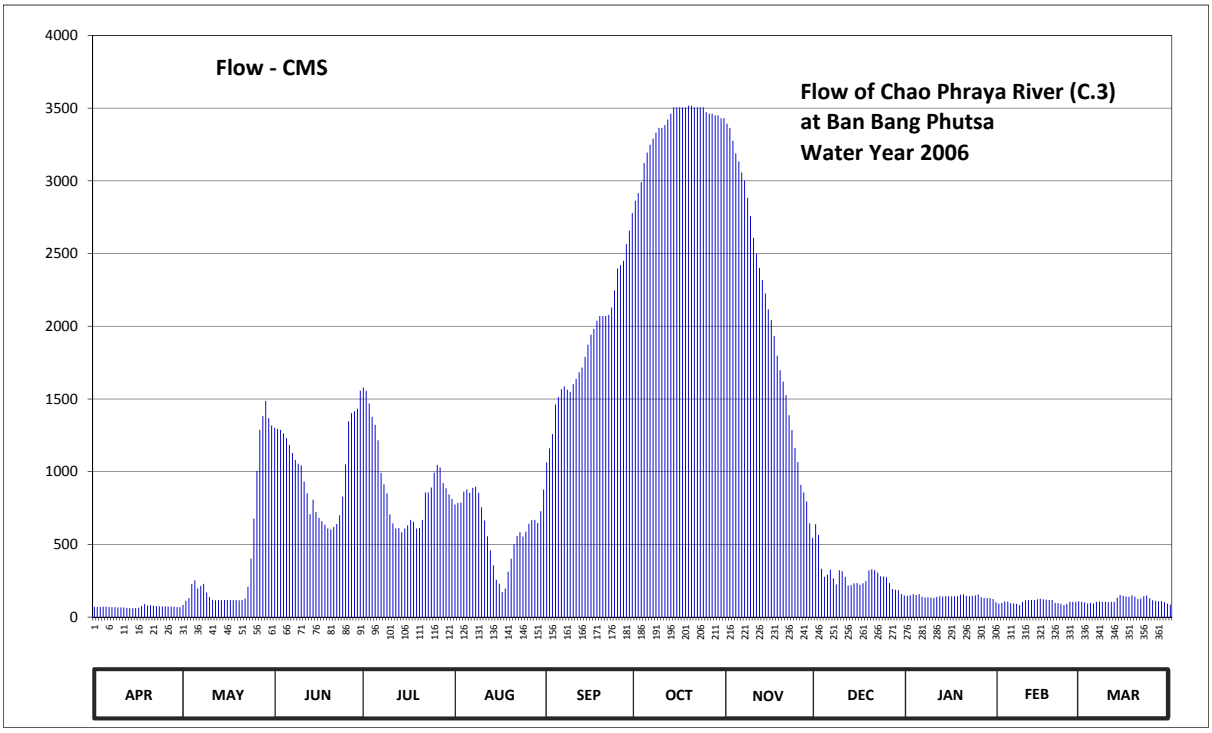
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.00 | 2.14 | 7.98 | 8.76 | 6.19 | 7.25 | 11.79 | 12.64 | 5.61 | 2.68 | 2.22 | 2.35 | |
| 2 | 1.99 | 2.42 | 7.96 | 8.70 | 6.24 | 7.56 | 11.89 | 12.61 | 5.26 | 2.72 | 2.28 | 2.31 | |
| 3 | 2.00 | 2.56 | 7.94 | 8.46 | 6.25 | 7.86 | 12.03 | 12.50 | 4.00 | 2.77 | 2.38 | 2.25 | |
| 4 | 2.02 | 3.32 | 7.87 | 8.20 | 6.54 | 8.44 | 12.26 | 12.37 | 3.66 | 2.73 | 2.36 | 2.28 | |
| 5 | 2.01 | 3.50 | 7.78 | 8.04 | 6.60 | 8.58 | 12.38 | 12.28 | 3.75 | 2.78 | 2.26 | 2.25 | |
| 6 | 1.99 | 3.08 | 7.63 | 7.73 | 6.51 | 8.73 | 12.46 | 12.15 | 3.96 | 2.63 | 2.24 | 2.34 | |
| 7 | 1.98 | 3.22 | 7.46 | 7.00 | 6.64 | 8.78 | 12.52 | 12.05 | 3.59 | 2.60 | 2.21 | 2.38 | |
| 8 | 1.98 | 3.33 | 7.31 | 6.73 | 6.67 | 8.72 | 12.57 | 11.83 | 3.29 | 2.61 | 2.12 | 2.35 | |
| 9 | 1.97 | 2.86 | 7.22 | 6.50 | 6.51 | 8.68 | 12.61 | 11.59 | 3.94 | 2.59 | 2.35 | 2.35 | |
| 10 | 1.97 | 2.62 | 7.18 | 5.91 | 6.11 | 8.82 | 12.61 | 11.27 | 3.90 | 2.57 | 2.44 | 2.33 | |
| 11 | 1.96 | 2.47 | 6.80 | 5.63 | 5.72 | 8.92 | 12.63 | 11.02 | 3.65 | 2.62 | 2.46 | 2.34 | |
| 12 | 1.94 | 2.44 | 6.50 | 5.47 | 5.22 | 9.04 | 12.67 | 10.80 | 3.23 | 2.66 | 2.46 | 2.34 | |
| 13 | 1.91 | 2.45 | 5.92 | 5.48 | 4.73 | 9.13 | 12.71 | 10.61 | 3.26 | 2.65 | 2.45 | 2.58 | |
| 14 | 1.92 | 2.45 | 6.33 | 5.35 | 4.15 | 9.32 | 12.75 | 10.39 | 3.35 | 2.67 | 2.50 | 2.73 | |
| 15 | 1.92 | 2.46 | 5.98 | 5.47 | 3.52 | 9.53 | 12.75 | 10.13 | 3.37 | 2.66 | 2.53 | 2.68 | |
| 16 | 1.95 | 2.46 | 5.80 | 5.57 | 3.34 | 9.70 | 12.75 | 9.95 | 3.28 | 2.66 | 2.49 | 2.65 | |
| 17 | 2.07 | 2.45 | 5.70 | 5.74 | 2.88 | 9.80 | 12.75 | 9.68 | 3.36 | 2.66 | 2.48 | 2.63 | |
| 18 | 2.19 | 2.45 | 5.59 | 5.68 | 3.08 | 9.94 | 12.75 | 9.34 | 3.46 | 2.67 | 2.46 | 2.71 | |
| 19 | 2.09 | 2.45 | 5.47 | 5.47 | 3.88 | 10.02 | 12.76 | 9.08 | 3.93 | 2.74 | 2.46 | 2.64 | |
| 20 | 2.11 | 2.44 | 5.44 | 5.49 | 4.41 | 10.02 | 12.76 | 8.87 | 3.98 | 2.76 | 2.28 | 2.51 | |
| 21 | 2.08 | 2.45 | 5.52 | 5.74 | 4.94 | 10.02 | 12.75 | 8.62 | 3.94 | 2.68 | 2.27 | 2.54 | |
| 22 | 2.06 | 2.54 | 5.61 | 6.52 | 5.23 | 10.04 | 12.75 | 8.23 | 3.84 | 2.66 | 2.21 | 2.67 | |
| 23 | 2.05 | 3.17 | 5.88 | 6.52 | 5.35 | 10.16 | 12.75 | 7.94 | 3.68 | 2.68 | 2.12 | 2.70 | |
| 24 | 2.04 | 4.41 | 6.41 | 6.65 | 5.21 | 10.44 | 12.75 | 7.57 | 3.67 | 2.71 | 2.21 | 2.55 | |
| 25 | 2.03 | 5.78 | 7.21 | 7.01 | 5.37 | 10.79 | 12.72 | 7.26 | 3.64 | 2.75 | 2.35 | 2.45 | |
| 26 | 2.03 | 7.05 | 8.11 | 7.19 | 5.62 | 10.84 | 12.71 | 6.72 | 3.37 | 2.61 | 2.36 | 2.42 | |
| 27 | 2.02 | 7.94 | 8.27 | 7.13 | 5.73 | 10.91 | 12.71 | 6.52 | 3.04 | 2.57 | 2.34 | 2.39 | |
| 28 | 2.00 | 8.21 | 8.31 | 6.76 | 5.74 | 11.17 | 12.70 | 6.28 | 3.01 | 2.56 | 2.39 | 2.40 | |
| 29 | 1.98 | 8.51 | 8.36 | 6.63 | 5.64 | 11.38 | 12.70 | 5.63 | 2.99 | 2.56 | | 2.33 | |
| 30 | 1.98 | 8.17 | 8.70 | 6.47 | 6.00 | 11.63 | 12.68 | 5.17 | 2.78 | 2.51 | | 2.22 | |
| 31 | | 8.03 | | 6.35 | 6.60 | | 12.68 | | 2.71 | 2.32 | | 2.16 | |
| Mean | 2.01 | 3.87 | 6.94 | 6.59 | 5.37 | 9.54 | 12.59 | 9.70 | 3.63 | 2.65 | 2.35 | 2.45 | |
| Max | 2.19 | 8.51 | 8.70 | 8.76 | 6.67 | 11.63 | 12.76 | 12.64 | 5.61 | 2.78 | 2.53 | 2.73 | 12.76 |
| Min | 1.91 | 2.14 | 5.44 | 5.35 | 2.88 | 7.25 | 11.79 | 5.17 | 2.71 | 2.32 | 2.12 | 2.16 | 1.91 |

Annual Max Momentary Gage Height 12.76 m. (MSL.) , at 06.00 Hours , on Oct 19 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed -3.01 m. (MSL.)

Left Bank Elevation 11.69 m. (MSL.) ,

Right Bank Elevation 12.04 m. (MSL.) , Drainage Are 118,752 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 70.00 | 84.00 | 1301.00 | 1579.20 | 773.60 | 1063.50 | 2862.70 | 3393.00 | 640.20 | 145.84 | 92.00 | 105.00 | | |
| 2 | 69.00 | 112.56 | 1294.00 | 1557.00 | 785.60 | 1161.20 | 2915.70 | 3364.50 | 564.00 | 150.96 | 98.00 | 101.00 | | |
| 3 | 70.00 | 130.48 | 1287.00 | 1469.00 | 788.00 | 1259.00 | 2990.80 | 3275.00 | 332.00 | 157.36 | 108.00 | 95.00 | | |
| 4 | 72.00 | 227.76 | 1262.50 | 1378.00 | 862.40 | 1462.00 | 3122.00 | 3188.00 | 277.60 | 152.24 | 106.00 | 98.00 | | |
| 5 | 71.00 | 253.00 | 1231.60 | 1322.00 | 878.00 | 1512.60 | 3194.00 | 3134.00 | 292.00 | 158.64 | 96.00 | 95.00 | | |
| 6 | 69.00 | 197.04 | 1183.60 | 1215.60 | 854.60 | 1568.10 | 3247.40 | 3058.00 | 325.60 | 139.44 | 94.00 | 104.00 | | |
| 7 | 68.00 | 214.96 | 1129.20 | 991.00 | 888.40 | 1586.60 | 3291.00 | 3002.00 | 266.50 | 135.60 | 91.00 | 108.00 | | |
| 8 | 68.00 | 229.04 | 1081.20 | 912.70 | 896.20 | 1564.40 | 3331.00 | 2883.90 | 223.92 | 136.88 | 82.00 | 105.00 | | |
| 9 | 67.00 | 168.88 | 1054.80 | 852.00 | 854.60 | 1549.60 | 3364.50 | 2757.20 | 322.40 | 134.32 | 105.00 | 105.00 | | |
| 10 | 67.00 | 138.16 | 1043.20 | 706.40 | 754.40 | 1601.40 | 3364.50 | 2608.80 | 316.00 | 131.76 | 115.12 | 103.00 | | |
| 11 | 66.00 | 118.96 | 933.00 | 644.60 | 664.40 | 1638.40 | 3383.50 | 2498.80 | 276.00 | 138.16 | 117.68 | 104.00 | | |
| 12 | 64.00 | 115.12 | 852.00 | 609.40 | 556.00 | 1682.80 | 3421.50 | 2402.00 | 216.24 | 143.28 | 117.68 | 104.00 | | |
| 13 | 61.00 | 116.40 | 708.80 | 611.60 | 459.40 | 1716.10 | 3461.00 | 2318.40 | 220.08 | 142.00 | 116.40 | 133.04 | | |
| 14 | 62.00 | 116.40 | 807.80 | 583.00 | 356.00 | 1790.00 | 3505.00 | 2225.80 | 231.60 | 144.56 | 122.80 | 152.24 | | |
| 15 | 62.00 | 117.68 | 723.20 | 609.40 | 256.00 | 1874.00 | 3505.00 | 2116.60 | 234.16 | 143.28 | 126.64 | 145.84 | | |
| 16 | 65.00 | 117.68 | 682.00 | 631.40 | 230.32 | 1942.00 | 3505.00 | 2042.00 | 222.64 | 143.28 | 121.52 | 142.00 | | |
| 17 | 77.00 | 116.40 | 660.00 | 668.80 | 171.44 | 1982.00 | 3505.00 | 1934.00 | 232.88 | 143.28 | 120.24 | 139.44 | | |
| 18 | 89.00 | 116.40 | 635.80 | 655.60 | 197.04 | 2038.00 | 3505.00 | 1798.00 | 247.00 | 144.56 | 117.68 | 149.68 | | |
| 19 | 79.00 | 116.40 | 609.40 | 609.40 | 312.80 | 2070.40 | 3516.00 | 1697.60 | 320.80 | 153.52 | 117.68 | 140.72 | | |
| 20 | 81.00 | 115.12 | 602.80 | 613.80 | 401.80 | 2070.40 | 3516.00 | 1619.90 | 328.80 | 156.08 | 98.00 | 124.08 | | |
| 21 | 78.00 | 116.40 | 620.40 | 668.80 | 500.00 | 2070.40 | 3505.00 | 1527.40 | 322.40 | 145.84 | 97.00 | 127.92 | | |
| 22 | 76.00 | 127.92 | 640.20 | 857.20 | 558.00 | 2078.80 | 3505.00 | 1388.50 | 306.40 | 143.28 | 91.00 | 144.56 | | |
| 23 | 75.00 | 208.56 | 699.60 | 857.20 | 583.00 | 2129.20 | 3505.00 | 1287.00 | 280.80 | 145.84 | 82.00 | 148.40 | | |
| 24 | 74.00 | 401.80 | 828.60 | 891.00 | 554.00 | 2246.80 | 3505.00 | 1164.40 | 279.20 | 149.68 | 91.00 | 129.20 | | |
| 25 | 73.00 | 677.60 | 1051.90 | 993.90 | 587.40 | 2397.60 | 3472.00 | 1066.40 | 274.40 | 154.80 | 105.00 | 116.40 | | |
| 26 | 73.00 | 1005.50 | 1346.50 | 1046.10 | 642.40 | 2419.60 | 3461.00 | 909.80 | 234.16 | 136.88 | 106.00 | 112.56 | | |
| 27 | 72.00 | 1287.00 | 1402.50 | 1028.70 | 666.60 | 2450.40 | 3461.00 | 857.20 | 191.92 | 131.76 | 104.00 | 109.00 | | |
| 28 | 70.00 | 1381.50 | 1416.50 | 921.40 | 668.80 | 2564.80 | 3450.00 | 795.20 | 188.08 | 130.48 | 109.00 | 110.00 | | |
| 29 | 68.00 | 1486.70 | 1434.00 | 885.80 | 646.80 | 2657.20 | 3450.00 | 644.60 | 185.52 | 130.48 | | 103.00 | | |
| 30 | 68.00 | 1367.50 | 1557.00 | 844.20 | 728.00 | 2777.90 | 3431.00 | 546.00 | 158.64 | 124.08 | | 92.00 | | |
| 31 | | 1318.50 | | 813.00 | 878.00 | | 3431.00 | | 149.68 | 102.00 | | 86.00 | | |
| Total | 2124.00 | 12301.42 | 30080.10 | 28027.20 | 18954.00 | 56925.20 | 104682.60 | 61504.00 | 8661.62 | 4390.16 | 2948.44 | 3633.08 | 334231.82 | CMSDAY |
| Mean | 70.80 | 396.82 | 1002.67 | 904.10 | 611.42 | 1897.51 | 3376.86 | 2050.13 | 279.41 | 141.62 | 105.30 | 117.20 | 915.70 | CMS |
| Max | 89.00 | 1486.70 | 1557.00 | 1579.20 | 896.20 | 2777.90 | 3516.00 | 3393.00 | 640.20 | 158.64 | 126.64 | 152.24 | 3516.00 | CMS |
| Min | 61.00 | 84.00 | 602.80 | 583.00 | 171.44 | 1063.50 | 2862.70 | 546.00 | 149.68 | 102.00 | 82.00 | 86.00 | 61.00 | CMS |
| Runoff | 183.51 | 1062.84 | 2598.92 | 2421.55 | 1637.63 | 4918.34 | 9044.58 | 5313.95 | 748.36 | 379.31 | 254.75 | 313.90 | 28877.63 | MCM |

Momentary Peak 3516.00 CMS. at 12.76 m. (MSL.) at 06.00 Hours , on Oct 19 , 2006

Runoff Yield 7.71 Liters/Second/Square KM. Momentary Peak Yield 29.61 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Chao Phraya River at Ban Bang Kaeo, Ang Thong (C.7A)

Lat 14 - 35 - 05 N Long 100 - 27 - 12 E

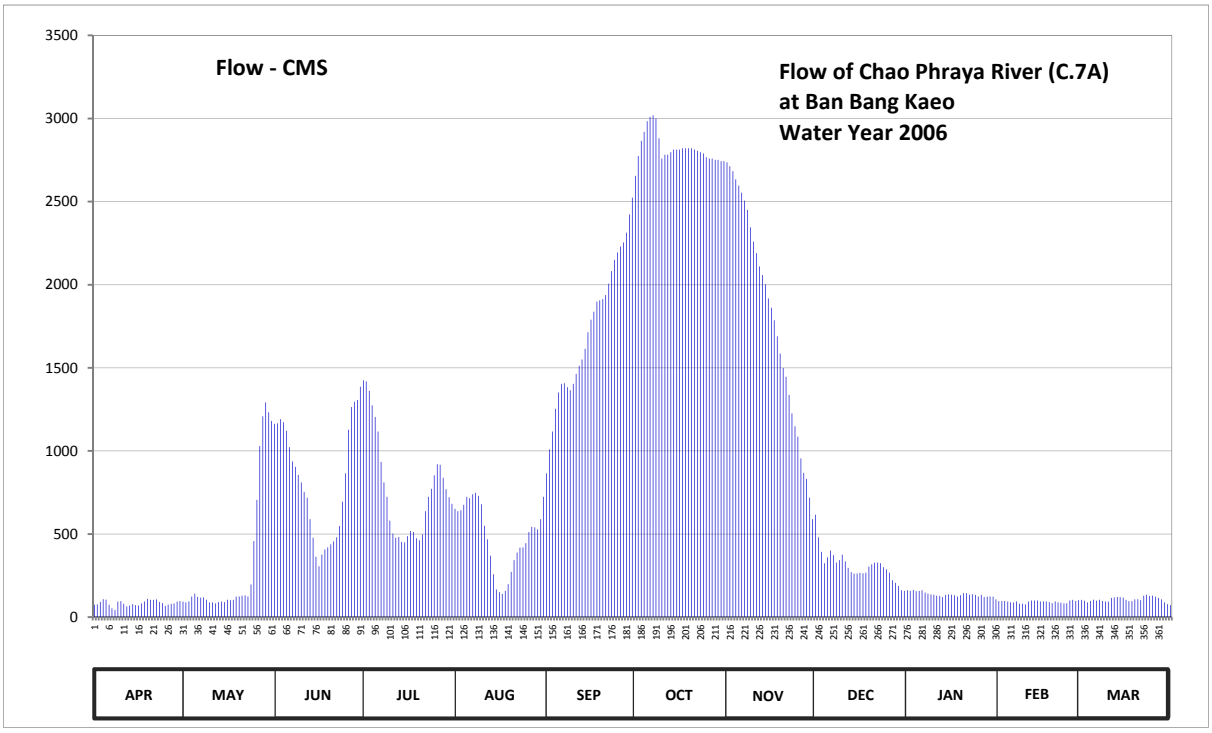
**Location : on left bank at Ban Bang Kaco**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Bang Keao | **Amphoe** Mueang | | **Changwat** Ang Thong | |
| **Drainge Area** | Flood Plain | | | | |
| **Type of Gage** | Water - stage recorder | | | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On left bank near the gage site | | | **Elevation** | +8.633 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | | | |
| **Period of Available Gage Records** | 2006 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2006 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2006 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +7.810 m.(MSL.) and is including overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 41 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.50 | 0.62 | 4.75 | 5.50 | 3.14 | 3.85 | 8.35 | 8.46 | 3.02 | 1.06 | 0.64 | 0.69 | |
| 2 | 0.51 | 0.59 | 4.76 | 5.48 | 3.09 | 4.31 | 8.51 | 8.43 | 2.50 | 1.04 | 0.65 | 0.66 | |
| 3 | 0.61 | 0.63 | 4.83 | 5.32 | 3.11 | 4.62 | 8.63 | 8.39 | 2.15 | 1.07 | 0.65 | 0.59 | |
| 4 | 0.72 | 0.83 | 4.78 | 5.07 | 3.22 | 5.01 | 8.70 | 8.32 | 1.87 | 1.03 | 0.62 | 0.65 | |
| 5 | 0.70 | 0.94 | 4.63 | 4.87 | 3.38 | 5.29 | 8.77 | 8.26 | 2.02 | 1.04 | 0.59 | 0.70 | |
| 6 | 0.50 | 0.81 | 4.35 | 4.62 | 3.35 | 5.44 | 8.80 | 8.19 | 2.18 | 1.06 | 0.59 | 0.66 | |
| 7 | 0.35 | 0.78 | 4.09 | 4.08 | 3.43 | 5.45 | 8.81 | 8.11 | 2.07 | 0.98 | 0.63 | 0.70 | |
| 8 | 0.29 | 0.79 | 3.98 | 3.67 | 3.46 | 5.38 | 8.79 | 8.01 | 1.89 | 0.94 | 0.54 | 0.65 | |
| 9 | 0.62 | 0.70 | 3.82 | 3.38 | 3.40 | 5.33 | 8.65 | 7.81 | 1.95 | 0.91 | 0.54 | 0.63 | |
| 10 | 0.64 | 0.59 | 3.67 | 2.90 | 3.23 | 5.44 | 8.49 | 7.62 | 2.08 | 0.90 | 0.51 | 0.62 | |
| 11 | 0.53 | 0.59 | 3.48 | 2.59 | 2.78 | 5.61 | 8.52 | 7.45 | 1.92 | 0.86 | 0.62 | 0.77 | |
| 12 | 0.43 | 0.55 | 3.36 | 2.49 | 2.45 | 5.75 | 8.52 | 7.25 | 1.73 | 0.85 | 0.67 | 0.79 | |
| 13 | 0.46 | 0.60 | 2.93 | 2.51 | 2.06 | 5.85 | 8.54 | 7.12 | 1.60 | 0.80 | 0.67 | 0.81 | |
| 14 | 0.52 | 0.62 | 2.49 | 2.39 | 1.54 | 6.01 | 8.56 | 6.98 | 1.56 | 0.89 | 0.67 | 0.80 | |
| 15 | 0.48 | 0.60 | 2.03 | 2.38 | 1.08 | 6.26 | 8.56 | 6.77 | 1.56 | 0.91 | 0.63 | 0.78 | |
| 16 | 0.47 | 0.70 | 1.78 | 2.53 | 1.00 | 6.45 | 8.56 | 6.63 | 1.58 | 0.90 | 0.63 | 0.69 | |
| 17 | 0.55 | 0.68 | 2.08 | 2.65 | 0.93 | 6.57 | 8.57 | 6.44 | 1.57 | 0.88 | 0.63 | 0.64 | |
| 18 | 0.63 | 0.69 | 2.21 | 2.63 | 1.04 | 6.72 | 8.57 | 6.20 | 1.59 | 0.83 | 0.60 | 0.64 | |
| 19 | 0.73 | 0.82 | 2.26 | 2.48 | 1.24 | 6.74 | 8.57 | 5.94 | 1.77 | 0.88 | 0.56 | 0.71 | |
| 20 | 0.69 | 0.83 | 2.33 | 2.43 | 1.61 | 6.76 | 8.57 | 5.71 | 1.84 | 0.96 | 0.63 | 0.72 | |
| 21 | 0.69 | 0.86 | 2.40 | 2.57 | 1.95 | 6.82 | 8.56 | 5.56 | 1.89 | 0.96 | 0.59 | 0.68 | |
| 22 | 0.71 | 0.87 | 2.50 | 3.09 | 2.13 | 6.99 | 8.55 | 5.25 | 1.89 | 0.90 | 0.58 | 0.86 | |
| 23 | 0.61 | 0.83 | 2.77 | 3.38 | 2.25 | 7.18 | 8.54 | 4.93 | 1.87 | 0.92 | 0.55 | 0.90 | |
| 24 | 0.56 | 1.23 | 3.28 | 3.54 | 2.26 | 7.35 | 8.53 | 4.71 | 1.75 | 0.89 | 0.56 | 0.85 | |
| 25 | 0.45 | 2.41 | 3.85 | 3.81 | 2.36 | 7.46 | 8.50 | 4.53 | 1.69 | 0.83 | 0.67 | 0.86 | |
| 26 | 0.50 | 3.32 | 4.65 | 4.03 | 2.63 | 7.55 | 8.49 | 4.15 | 1.59 | 0.89 | 0.69 | 0.82 | |
| 27 | 0.53 | 4.37 | 5.04 | 4.02 | 2.75 | 7.61 | 8.49 | 3.86 | 1.36 | 0.81 | 0.65 | 0.77 | |
| 28 | 0.55 | 4.88 | 5.13 | 3.76 | 2.74 | 7.74 | 8.48 | 3.74 | 1.28 | 0.82 | 0.68 | 0.71 | |
| 29 | 0.62 | 5.12 | 5.16 | 3.53 | 2.69 | 7.96 | 8.48 | 3.36 | 1.19 | 0.83 | | 0.59 | |
| 30 | 0.64 | 4.95 | 5.39 | 3.37 | 2.93 | 8.14 | 8.47 | 2.93 | 1.06 | 0.82 | | 0.52 | |
| 31 | | 4.80 | | 3.24 | 3.38 | | 8.47 | | 1.04 | 0.71 | | 0.48 | |
| Mean | 0.56 | 1.54 | 3.63 | 3.49 | 2.47 | 6.25 | 8.57 | 6.37 | 1.78 | 0.91 | 0.62 | 0.71 | |
| Max | 0.73 | 5.12 | 5.39 | 5.50 | 3.46 | 8.14 | 8.81 | 8.46 | 3.02 | 1.07 | 0.69 | 0.90 | 8.81 |
| Min | 0.29 | 0.55 | 1.78 | 2.38 | 0.93 | 3.85 | 8.35 | 2.93 | 1.04 | 0.71 | 0.51 | 0.48 | 0.29 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 8.82 | m. (MSL.) , | at 02.00 Hours , on Oct 7 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | -6.24 | M (MSL) |
| Left Bank Elevation | 8.33 | m. (MSL.) , | | | |
| Right Bank Elevation | 7.80 | m. (MSL.) , | Drainage Area | Square Kilometers | |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 75.00 | 93.00 | 1162.50 | 1425.00 | 652.00 | 865.00 | 2655.00 | 2736.00 | 616.00 | 162.00 | 96.00 | 103.50 | | |
| 2 | 76.50 | 88.50 | 1166.00 | 1418.00 | 637.00 | 1008.50 | 2774.33 | 2713.00 | 480.00 | 158.00 | 97.50 | 99.00 | | |
| 3 | 91.50 | 94.50 | 1190.50 | 1362.00 | 643.00 | 1117.00 | 2866.33 | 2683.00 | 392.50 | 164.00 | 97.50 | 88.50 | | |
| 4 | 108.00 | 124.50 | 1173.00 | 1274.50 | 676.00 | 1253.50 | 2920.00 | 2634.00 | 324.00 | 156.00 | 93.00 | 97.50 | | |
| 5 | 105.00 | 141.00 | 1120.50 | 1204.50 | 724.00 | 1351.50 | 2983.00 | 2596.00 | 360.00 | 158.00 | 88.50 | 105.00 | | |
| 6 | 75.00 | 121.50 | 1022.50 | 1117.00 | 715.00 | 1404.00 | 3010.00 | 2554.00 | 400.00 | 162.00 | 88.50 | 99.00 | | |
| 7 | 52.50 | 117.00 | 937.00 | 934.00 | 739.00 | 1407.50 | 3019.00 | 2506.00 | 372.50 | 147.00 | 94.50 | 105.00 | | |
| 8 | 43.50 | 118.50 | 904.00 | 811.00 | 748.00 | 1383.00 | 3001.00 | 2450.50 | 328.00 | 141.00 | 81.00 | 97.50 | | |
| 9 | 93.00 | 105.00 | 856.00 | 724.00 | 730.00 | 1365.50 | 2881.67 | 2345.00 | 342.50 | 136.50 | 81.00 | 94.50 | | |
| 10 | 96.00 | 88.50 | 811.00 | 580.00 | 679.00 | 1404.00 | 2759.00 | 2259.00 | 375.00 | 135.00 | 76.50 | 93.00 | | |
| 11 | 79.50 | 88.50 | 754.00 | 502.50 | 550.00 | 1463.50 | 2782.00 | 2190.00 | 335.00 | 129.00 | 93.00 | 115.50 | | |
| 12 | 64.50 | 82.50 | 718.00 | 477.50 | 467.50 | 1512.50 | 2782.00 | 2110.00 | 296.00 | 127.50 | 100.50 | 118.50 | | |
| 13 | 69.00 | 90.00 | 589.00 | 482.50 | 370.00 | 1550.00 | 2797.33 | 2058.00 | 270.00 | 120.00 | 100.50 | 121.50 | | |
| 14 | 78.00 | 93.00 | 477.50 | 452.50 | 258.00 | 1614.00 | 2812.67 | 2002.00 | 262.00 | 133.50 | 100.50 | 120.00 | | |
| 15 | 72.00 | 90.00 | 362.50 | 450.00 | 166.00 | 1714.00 | 2812.67 | 1918.00 | 262.00 | 136.50 | 94.50 | 117.00 | | |
| 16 | 70.50 | 105.00 | 306.00 | 487.50 | 150.00 | 1790.00 | 2812.67 | 1862.00 | 266.00 | 135.00 | 94.50 | 103.50 | | |
| 17 | 82.50 | 102.00 | 375.00 | 517.50 | 139.50 | 1838.00 | 2820.33 | 1786.00 | 264.00 | 132.00 | 94.50 | 96.00 | | |
| 18 | 94.50 | 103.50 | 407.50 | 512.50 | 158.00 | 1898.00 | 2820.33 | 1690.00 | 268.00 | 124.50 | 90.00 | 96.00 | | |
| 19 | 109.50 | 123.00 | 420.00 | 475.00 | 198.00 | 1906.00 | 2820.33 | 1586.00 | 304.00 | 132.00 | 84.00 | 106.50 | | |
| 20 | 103.50 | 124.50 | 437.50 | 462.50 | 272.00 | 1914.00 | 2820.33 | 1498.50 | 318.00 | 144.00 | 94.50 | 108.00 | | |
| 21 | 103.50 | 129.00 | 455.00 | 497.50 | 342.50 | 1938.00 | 2812.67 | 1446.00 | 328.00 | 144.00 | 88.50 | 102.00 | | |
| 22 | 106.50 | 130.50 | 480.00 | 637.00 | 387.50 | 2006.00 | 2805.00 | 1337.50 | 328.00 | 135.00 | 87.00 | 129.00 | | |
| 23 | 91.50 | 124.50 | 547.50 | 724.00 | 417.50 | 2082.00 | 2797.33 | 1225.50 | 324.00 | 138.00 | 82.50 | 135.00 | | |
| 24 | 84.00 | 196.00 | 694.00 | 772.00 | 420.00 | 2150.00 | 2789.67 | 1148.50 | 300.00 | 133.50 | 84.00 | 127.50 | | |
| 25 | 67.50 | 457.50 | 865.00 | 853.00 | 445.00 | 2194.00 | 2766.67 | 1085.50 | 288.00 | 124.50 | 100.50 | 129.00 | | |
| 26 | 75.00 | 706.00 | 1127.50 | 919.00 | 512.50 | 2230.00 | 2759.00 | 955.00 | 268.00 | 133.50 | 103.50 | 123.00 | | |
| 27 | 79.50 | 1029.50 | 1264.00 | 916.00 | 542.50 | 2254.50 | 2759.00 | 868.00 | 222.00 | 121.50 | 97.50 | 115.50 | | |
| 28 | 82.50 | 1208.00 | 1295.50 | 838.00 | 540.00 | 2313.00 | 2751.33 | 832.00 | 206.00 | 123.00 | 102.00 | 106.50 | | |
| 29 | 93.00 | 1292.00 | 1306.00 | 769.00 | 527.50 | 2423.00 | 2751.33 | 718.00 | 188.00 | 124.50 | | 88.50 | | |
| 30 | 96.00 | 1232.50 | 1386.50 | 721.00 | 589.00 | 2524.00 | 2743.67 | 589.00 | 162.00 | 123.00 | | 78.00 | | |
| 31 | | 1180.00 | | 682.00 | 724.00 | | 2743.67 | | 158.00 | 106.50 | | 72.00 | | |
| Total | 2518.50 | 9779.50 | 24611.00 | 23998.50 | 15120.00 | 51874.00 | 87429.33 | 54382.00 | 9607.50 | 4240.50 | 2586.00 | 3291.00 | 289437.83 | CMSDAY |
| Mean | 83.95 | 315.47 | 820.37 | 774.15 | 487.74 | 1729.13 | 2820.30 | 1812.73 | 309.92 | 136.79 | 92.36 | 106.16 | 792.98 | CMS |
| Max | 109.50 | 1292.00 | 1386.50 | 1425.00 | 748.00 | 2524.00 | 3019.00 | 2736.00 | 616.00 | 164.00 | 103.50 | 135.00 | 3019.00 | CMS |
| Min | 43.50 | 82.50 | 306.00 | 450.00 | 139.50 | 865.00 | 2655.00 | 589.00 | 158.00 | 106.50 | 76.50 | 72.00 | 43.50 | CMS |
| Runoff | 217.6 | 844.95 | 2126.39 | 2073.47 | 1306.37 | 4481.91 | 7553.89 | 4698.6 | 830.09 | 366.38 | 223.43 | 284.34 | 25007.43 | MCM |

Momentary Peak 3028.00 CMS. at 8.82 m. (MSL.) at 06.00 Hours , on Oct 7 , 2006

Runoff Yield ***** Liters/Second/Square KM. Momentary Peak Yield ***** Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Chao Phraya River at Ban Bang Luang, Chai Nat (C.13)

Lat 15 - 19 - 57 N Long 100 - 11 - 32 E

**Location : on left bank at Wat Pho Ngam about 1.5 kilometers downstream from Chao Phraya Diversion Dam**

**Ban** Bang Luang **Amphoe** Sanphaya **Changwat** Chai Nat

| | |
|---|---|
| **Drainge Area** | 117,187 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | B.M.2 - on right bank about 400 meters from the B.M.1 **Elevation** +16.310 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1947 to date |
| **Rating Operation** | |
| **Period of Rating** | 1953 - 1962, 1965 - 1968, 1972 - 1975 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1953 - 1962, 1965 - 1968, 1972 - 1975 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +16.350 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Flow regulated by Chao Phraya Dam above gage site.<br>Stage-discharge relation defined by 92 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

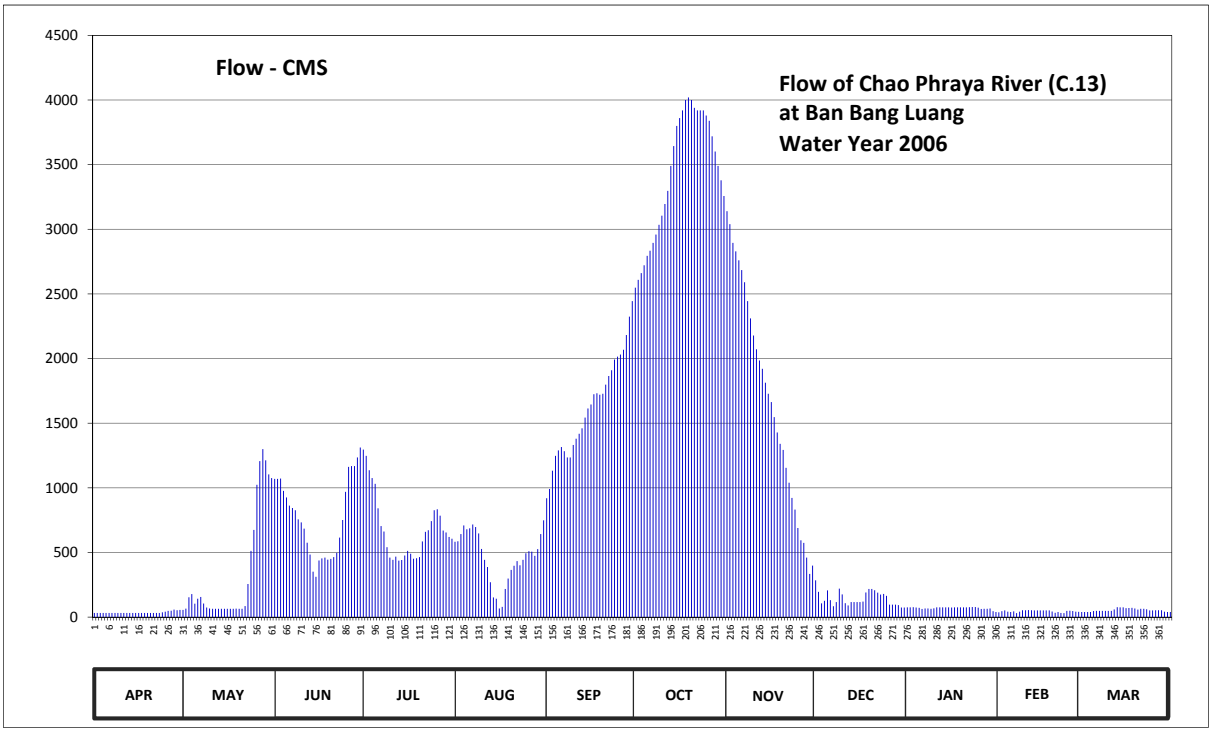
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.00 | 6.30 | 11.64 | 12.35 | 9.83 | 11.16 | 15.63 | 16.80 | 8.22 | 6.54 | 6.06 | 6.10 | |
| 2 | 6.00 | 6.42 | 11.64 | 12.20 | 9.85 | 11.40 | 15.76 | 16.64 | 7.60 | 6.54 | 6.17 | 6.10 | |
| 3 | 6.00 | 7.27 | 11.65 | 11.85 | 10.10 | 11.84 | 15.87 | 16.35 | 6.93 | 6.56 | 6.25 | 6.10 | |
| 4 | 6.00 | 7.46 | 11.35 | 11.66 | 10.37 | 12.20 | 16.00 | 16.22 | 7.09 | 6.53 | 6.12 | 6.10 | |
| 5 | 6.00 | 6.90 | 11.18 | 11.52 | 10.25 | 12.33 | 16.15 | 16.08 | 7.68 | 6.50 | 6.10 | 6.18 | |
| 6 | 6.00 | 7.19 | 10.96 | 10.88 | 10.28 | 12.41 | 16.23 | 15.92 | 7.12 | 6.39 | 6.16 | 6.20 | |
| 7 | 6.00 | 7.29 | 10.89 | 10.35 | 10.40 | 12.31 | 16.35 | 15.72 | 6.65 | 6.43 | 5.97 | 6.20 | |
| 8 | 6.00 | 6.92 | 10.82 | 10.18 | 10.32 | 12.16 | 16.48 | 15.41 | 7.03 | 6.43 | 6.12 | 6.20 | |
| 9 | 6.00 | 6.53 | 10.55 | 9.64 | 10.12 | 12.16 | 16.63 | 15.11 | 7.79 | 6.41 | 6.26 | 6.20 | |
| 10 | 6.00 | 6.44 | 10.46 | 9.25 | 9.58 | 12.46 | 16.75 | 14.79 | 7.44 | 6.45 | 6.27 | 6.20 | |
| 11 | 6.00 | 6.40 | 10.27 | 9.16 | 9.16 | 12.61 | 16.88 | 14.52 | 6.94 | 6.54 | 6.28 | 6.20 | |
| 12 | 6.00 | 6.40 | 9.80 | 9.29 | 8.83 | 12.72 | 17.01 | 14.29 | 6.73 | 6.55 | 6.26 | 6.34 | |
| 13 | 6.00 | 6.40 | 9.37 | 9.12 | 8.12 | 12.84 | 17.23 | 14.12 | 7.03 | 6.55 | 6.25 | 6.56 | |
| 14 | 6.00 | 6.40 | 8.62 | 9.15 | 7.26 | 13.08 | 17.36 | 13.83 | 7.03 | 6.55 | 6.25 | 6.55 | |
| 15 | 6.00 | 6.40 | 8.39 | 9.33 | 7.19 | 13.28 | 17.45 | 13.60 | 7.03 | 6.55 | 6.25 | 6.54 | |
| 16 | 6.00 | 6.40 | 9.13 | 9.51 | 6.44 | 13.37 | 17.48 | 13.42 | 7.03 | 6.53 | 6.25 | 6.46 | |
| 17 | 6.00 | 6.40 | 9.22 | 9.40 | 6.59 | 13.59 | 17.51 | 13.09 | 7.05 | 6.54 | 6.25 | 6.48 | |
| 18 | 6.00 | 6.40 | 9.25 | 9.21 | 7.77 | 13.61 | 17.55 | 12.75 | 7.56 | 6.55 | 6.25 | 6.50 | |
| 19 | 6.00 | 6.42 | 9.17 | 9.23 | 8.31 | 13.58 | 17.56 | 12.49 | 7.77 | 6.55 | 6.14 | 6.43 | |
| 20 | 6.00 | 6.40 | 9.20 | 9.27 | 8.70 | 13.60 | 17.55 | 12.34 | 7.77 | 6.55 | 6.01 | 6.33 | |
| 21 | 6.00 | 6.40 | 9.27 | 9.84 | 8.89 | 13.79 | 17.52 | 11.91 | 7.69 | 6.55 | 6.10 | 6.40 | |
| 22 | 6.00 | 6.67 | 9.44 | 10.17 | 9.10 | 13.97 | 17.51 | 11.55 | 7.55 | 6.56 | 5.99 | 6.40 | |
| 23 | 6.00 | 8.03 | 9.98 | 10.22 | 8.91 | 14.09 | 17.51 | 11.17 | 7.43 | 6.58 | 5.98 | 6.36 | |
| 24 | 6.06 | 9.51 | 10.53 | 10.50 | 9.16 | 14.31 | 17.51 | 10.84 | 7.47 | 6.58 | 6.20 | 6.25 | |
| 25 | 6.13 | 10.23 | 11.33 | 10.82 | 9.42 | 14.37 | 17.49 | 10.29 | 7.36 | 6.51 | 6.22 | 6.25 | |
| 26 | 6.20 | 11.50 | 11.93 | 10.85 | 9.50 | 14.41 | 17.47 | 9.88 | 6.81 | 6.39 | 6.19 | 6.26 | |
| 27 | 6.22 | 12.07 | 11.95 | 10.66 | 9.48 | 14.51 | 17.41 | 9.79 | 6.80 | 6.41 | 6.12 | 6.26 | |
| 28 | 6.33 | 12.36 | 11.95 | 10.21 | 9.32 | 14.80 | 17.33 | 9.25 | 6.81 | 6.40 | 6.11 | 6.26 | |
| 29 | 6.27 | 12.09 | 12.16 | 10.15 | 9.57 | 15.14 | 17.23 | 8.52 | 6.76 | 6.44 | | 6.12 | |
| 30 | 6.30 | 11.75 | 12.40 | 10.00 | 10.10 | 15.41 | 17.11 | 8.90 | 6.52 | 6.17 | | 6.10 | |
| 31 | | 11.66 | | 9.94 | 10.52 | | 16.96 | | 6.52 | 6.10 | | 6.10 | |
| Mean | 6.05 | 7.90 | 10.48 | 10.19 | 9.14 | 13.25 | 16.98 | 13.19 | 7.20 | 6.48 | 6.16 | 6.28 | |
| Max | 6.33 | 12.36 | 12.40 | 12.35 | 10.52 | 15.41 | 17.56 | 16.80 | 8.22 | 6.58 | 6.28 | 6.56 | 17.56 |
| Min | 6.00 | 6.30 | 8.39 | 9.12 | 6.44 | 11.16 | 15.63 | 8.52 | 6.52 | 6.10 | 5.97 | 6.10 | 5.97 |

Annual Max Momentary Gage Height 17.56 m. (MSL.) , at 18.00 Hours , on Oct 18 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 1.52 m. (MSL.)

Left Bank Elevation 16.56 m. (MSL.) ,

Right Bank Elevation 16.34 m. (MSL.) , Drainage Are 117,187 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.00 | 56.00 | 1068.80 | 1296.00 | 582.60 | 919.40 | 2548.10 | 3140.00 | 285.00 | 75.20 | 36.80 | 40.00 | | |
| 2 | 32.00 | 65.60 | 1068.80 | 1248.00 | 587.00 | 992.00 | 2609.20 | 3040.00 | 196.00 | 75.20 | 45.60 | 40.00 | | |
| 3 | 32.00 | 153.10 | 1072.00 | 1136.00 | 642.00 | 1132.80 | 2660.90 | 2895.00 | 106.40 | 76.80 | 52.00 | 40.00 | | |
| 4 | 32.00 | 177.80 | 976.00 | 1075.20 | 709.50 | 1248.00 | 2722.00 | 2830.00 | 126.40 | 74.40 | 41.60 | 40.00 | | |
| 5 | 32.00 | 104.00 | 925.20 | 1030.40 | 679.50 | 1289.60 | 2795.00 | 2760.40 | 206.40 | 72.00 | 40.00 | 46.40 | | |
| 6 | 32.00 | 142.40 | 862.60 | 841.80 | 687.00 | 1315.20 | 2835.00 | 2684.40 | 131.20 | 63.20 | 44.80 | 48.00 | | |
| 7 | 32.00 | 155.70 | 844.40 | 704.50 | 717.00 | 1283.20 | 2895.00 | 2590.40 | 84.00 | 66.40 | 30.50 | 48.00 | | |
| 8 | 32.00 | 105.60 | 826.20 | 662.00 | 697.00 | 1235.20 | 2960.00 | 2444.70 | 116.80 | 66.40 | 41.60 | 48.00 | | |
| 9 | 32.00 | 74.40 | 756.00 | 540.80 | 647.00 | 1235.20 | 3035.00 | 2311.30 | 220.70 | 64.80 | 52.80 | 48.00 | | |
| 10 | 32.00 | 67.20 | 732.60 | 460.00 | 527.60 | 1331.20 | 3105.00 | 2177.90 | 175.20 | 68.00 | 53.60 | 48.00 | | |
| 11 | 32.00 | 64.00 | 684.50 | 443.20 | 443.20 | 1379.50 | 3196.00 | 2072.60 | 107.20 | 75.20 | 54.40 | 48.00 | | |
| 12 | 32.00 | 64.00 | 576.00 | 468.00 | 387.10 | 1418.00 | 3298.00 | 1985.20 | 90.40 | 76.00 | 52.80 | 59.20 | | |
| 13 | 32.00 | 64.00 | 484.00 | 436.40 | 270.00 | 1460.00 | 3490.00 | 1920.60 | 116.80 | 76.00 | 52.00 | 76.80 | | |
| 14 | 32.00 | 64.00 | 351.40 | 441.50 | 151.80 | 1544.00 | 3644.00 | 1813.10 | 116.80 | 76.00 | 52.00 | 76.00 | | |
| 15 | 32.00 | 64.00 | 312.30 | 476.00 | 142.40 | 1614.00 | 3800.00 | 1728.00 | 116.80 | 76.00 | 52.00 | 75.20 | | |
| 16 | 32.00 | 64.00 | 438.10 | 512.20 | 67.20 | 1645.50 | 3860.00 | 1663.00 | 116.80 | 74.40 | 52.00 | 68.80 | | |
| 17 | 32.00 | 64.00 | 454.00 | 490.00 | 79.20 | 1724.30 | 3920.00 | 1547.50 | 120.00 | 75.20 | 52.00 | 70.40 | | |
| 18 | 32.00 | 64.00 | 460.00 | 452.00 | 218.10 | 1731.70 | 4000.00 | 1428.50 | 190.80 | 76.00 | 52.00 | 72.00 | | |
| 19 | 32.00 | 65.60 | 444.90 | 456.00 | 298.70 | 1720.60 | 4020.00 | 1340.80 | 218.10 | 76.00 | 43.20 | 66.40 | | |
| 20 | 32.00 | 64.00 | 450.00 | 464.00 | 365.00 | 1728.00 | 4000.00 | 1292.80 | 218.10 | 76.00 | 32.80 | 58.40 | | |
| 21 | 32.00 | 64.00 | 464.00 | 584.80 | 397.30 | 1798.30 | 3940.00 | 1155.20 | 207.70 | 76.00 | 40.00 | 64.00 | | |
| 22 | 32.00 | 85.60 | 498.00 | 659.50 | 433.00 | 1864.90 | 3920.00 | 1040.00 | 189.50 | 76.80 | 31.50 | 64.00 | | |
| 23 | 32.00 | 256.50 | 615.60 | 672.00 | 400.70 | 1909.30 | 3920.00 | 922.30 | 173.90 | 78.40 | 31.00 | 60.80 | | |
| 24 | 36.80 | 512.20 | 750.80 | 743.00 | 443.20 | 1992.80 | 3920.00 | 831.40 | 179.10 | 78.40 | 48.00 | 52.00 | | |
| 25 | 42.40 | 674.50 | 969.60 | 826.20 | 494.00 | 2015.60 | 3880.00 | 689.50 | 164.80 | 72.80 | 49.60 | 52.00 | | |
| 26 | 48.00 | 1024.00 | 1161.60 | 834.00 | 510.00 | 2030.80 | 3840.00 | 593.60 | 96.80 | 63.20 | 47.20 | 52.80 | | |
| 27 | 49.60 | 1206.40 | 1168.00 | 784.60 | 506.00 | 2068.80 | 3720.00 | 573.80 | 96.00 | 64.80 | 41.60 | 52.80 | | |
| 28 | 58.40 | 1299.20 | 1168.00 | 669.50 | 474.00 | 2182.00 | 3602.00 | 460.00 | 96.80 | 64.00 | 40.80 | 52.80 | | |
| 29 | 53.60 | 1212.80 | 1235.20 | 654.50 | 525.40 | 2324.20 | 3490.00 | 334.40 | 92.80 | 67.20 | | 41.60 | | |
| 30 | 56.00 | 1104.00 | 1312.00 | 620.00 | 642.00 | 2444.70 | 3379.00 | 399.00 | 73.60 | 45.60 | | 40.00 | | |
| 31 | | 1075.20 | | 606.80 | 748.20 | | 3258.00 | | 73.60 | 40.00 | | 40.00 | | |
| Total | 1080.80 | 10257.80 | 23130.60 | 21288.90 | 14472.70 | 48578.80 | 106262.20 | 50665.40 | 4504.50 | 2186.40 | 1264.20 | 1690.40 | 285382.70 | CMSDAY |
| Mean | 36.03 | 330.90 | 771.02 | 686.74 | 466.86 | 1619.29 | 3427.81 | 1688.85 | 145.31 | 70.53 | 45.15 | 54.53 | 781.87 | CMS |
| Max | 58.40 | 1299.20 | 1312.00 | 1296.00 | 748.20 | 2444.70 | 4020.00 | 3140.00 | 285.00 | 78.40 | 54.40 | 76.80 | 4020.00 | CMS |
| Min | 32.00 | 56.00 | 312.30 | 436.40 | 67.20 | 919.40 | 2548.10 | 334.40 | 73.60 | 40.00 | 30.50 | 40.00 | 30.50 | CMS |
| Runoff | 93.38 | 886.27 | 1998.48 | 1839.36 | 1250.44 | 4197.21 | 9181.05 | 4377.49 | 389.19 | 188.90 | 109.23 | 146.05 | 24657.07 | MCM |

Momentary Peak 4020.00 CMS. at 17.56 m. (MSL.) at 18.00 Hours , on Oct 18 , 2006

Runoff Yield 6.48 Liters/Second/Square KM. Momentary Peak Yield 33.31 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Huai Khun Kaeo at Ban Samo Thong, Uthai Thani (C.30)

Lat 15 - 20 - 53 N Long 99 - 32 - 11 E

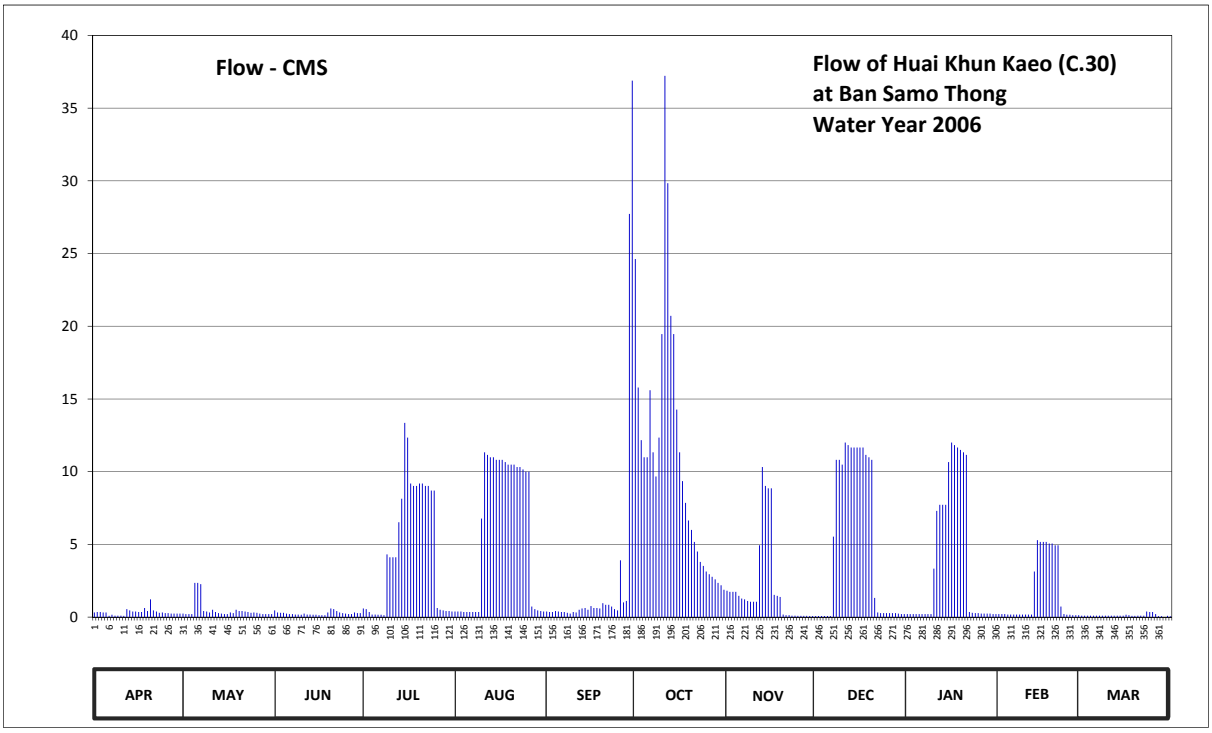
**Location : on right bank in front of Wat Samo Thong School**

| | | | |
|---|---|---|---|
| | **Ban** Samo Thong | **Amphoe** Huai Khot | **Changwat** Uthai Thani |
| **Drainge Area** | 227 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +101.530 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 60 meters from the top staff gage | **Elevation** +113.280 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1982 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1983 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1983 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 9 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 102.08 | 102.05 | 102.12 | 102.15 | 102.10 | 102.10 | 103.78 | 102.37 | 101.98 | 102.04 | 102.04 | 102.00 | |
| 2 | 102.09 | 102.04 | 102.08 | 102.14 | 102.10 | 102.09 | 103.41 | 102.36 | 101.98 | 102.04 | 102.04 | 102.00 | |
| 3 | 102.09 | 102.04 | 102.07 | 102.09 | 102.10 | 102.09 | 103.21 | 102.36 | 101.98 | 102.04 | 102.04 | 102.00 | |
| 4 | 102.08 | 102.04 | 102.07 | 102.03 | 102.09 | 102.11 | 103.14 | 102.36 | 101.98 | 102.04 | 102.03 | 102.00 | |
| 5 | 102.08 | 102.44 | 102.05 | 102.03 | 102.09 | 102.10 | 103.14 | 102.32 | 101.98 | 102.04 | 102.03 | 102.00 | |
| 6 | 101.99 | 102.44 | 102.04 | 102.02 | 102.09 | 102.09 | 103.40 | 102.29 | 101.98 | 102.04 | 102.03 | 102.00 | |
| 7 | 102.02 | 102.43 | 102.04 | 102.02 | 102.09 | 102.09 | 103.16 | 102.28 | 102.76 | 102.04 | 102.03 | 102.00 | |
| 8 | 102.00 | 102.11 | 102.03 | 102.01 | 102.09 | 102.07 | 103.06 | 102.26 | 103.13 | 102.04 | 102.03 | 102.00 | |
| 9 | 102.00 | 102.10 | 102.03 | 102.65 | 102.09 | 102.05 | 103.22 | 102.25 | 103.13 | 102.04 | 102.03 | 102.00 | |
| 10 | 102.00 | 102.08 | 102.02 | 102.63 | 102.86 | 102.09 | 103.58 | 102.25 | 103.11 | 102.55 | 102.03 | 102.00 | |
| 11 | 101.99 | 102.13 | 102.05 | 102.63 | 103.16 | 102.08 | 104.19 | 102.25 | 103.20 | 102.90 | 102.03 | 102.00 | |
| 12 | 102.14 | 102.09 | 102.03 | 102.63 | 103.15 | 102.13 | 103.96 | 102.71 | 103.19 | 102.93 | 102.03 | 102.00 | |
| 13 | 102.12 | 102.06 | 102.03 | 102.84 | 103.14 | 102.15 | 103.63 | 103.10 | 103.18 | 102.93 | 102.53 | 102.00 | |
| 14 | 102.10 | 102.05 | 102.02 | 102.96 | 103.14 | 102.16 | 103.58 | 103.02 | 103.18 | 102.93 | 102.74 | 102.00 | |
| 15 | 102.10 | 102.04 | 102.02 | 103.28 | 103.13 | 102.13 | 103.33 | 103.01 | 103.18 | 103.12 | 102.73 | 102.00 | |
| 16 | 102.09 | 102.04 | 102.01 | 103.22 | 103.13 | 102.19 | 103.16 | 103.01 | 103.18 | 103.20 | 102.73 | 102.02 | |
| 17 | 102.09 | 102.08 | 102.01 | 103.03 | 103.13 | 102.16 | 103.04 | 102.33 | 103.18 | 103.19 | 102.73 | 102.01 | |
| 18 | 102.16 | 102.06 | 102.01 | 103.02 | 103.12 | 102.16 | 102.94 | 102.32 | 103.15 | 103.18 | 102.72 | 101.99 | |
| 19 | 102.11 | 102.13 | 102.08 | 103.02 | 103.11 | 102.15 | 102.85 | 102.31 | 103.14 | 103.17 | 102.72 | 101.99 | |
| 20 | 102.28 | 102.11 | 102.15 | 103.03 | 103.11 | 102.23 | 102.80 | 102.03 | 103.13 | 103.16 | 102.71 | 102.00 | |
| 21 | 102.12 | 102.11 | 102.14 | 103.03 | 103.11 | 102.21 | 102.73 | 102.01 | 102.30 | 103.15 | 102.71 | 102.00 | |
| 22 | 102.10 | 102.10 | 102.11 | 103.02 | 103.10 | 102.21 | 102.67 | 102.01 | 102.08 | 102.09 | 102.18 | 102.00 | |
| 23 | 102.07 | 102.09 | 102.08 | 103.02 | 103.10 | 102.18 | 102.60 | 102.00 | 102.06 | 102.07 | 102.04 | 102.10 | |
| 24 | 102.08 | 102.07 | 102.06 | 103.00 | 103.09 | 102.14 | 102.57 | 102.00 | 102.06 | 102.06 | 102.02 | 102.09 | |
| 25 | 102.06 | 102.08 | 102.05 | 103.00 | 103.08 | 102.12 | 102.53 | 101.99 | 102.06 | 102.06 | 102.02 | 102.09 | |
| 26 | 102.06 | 102.07 | 102.04 | 102.16 | 103.08 | 102.61 | 102.51 | 101.99 | 102.06 | 102.05 | 102.01 | 102.04 | |
| 27 | 102.05 | 102.05 | 102.04 | 102.13 | 102.18 | 102.24 | 102.49 | 101.99 | 102.06 | 102.05 | 102.01 | 101.96 | |
| 28 | 102.05 | 102.04 | 102.08 | 102.12 | 102.14 | 102.26 | 102.47 | 101.99 | 102.06 | 102.05 | 102.01 | 101.96 | |
| 29 | 102.05 | 102.04 | 102.06 | 102.11 | 102.12 | 103.89 | 102.44 | 101.98 | 102.05 | 102.05 | | 101.73 | |
| 30 | 102.05 | 102.04 | 102.06 | 102.11 | 102.11 | 104.18 | 102.42 | 101.98 | 102.04 | 102.04 | | 101.99 | |
| 31 | | 102.04 | | 102.10 | 102.10 | | 102.38 | | 102.04 | 102.04 | | 101.95 | |
| Mean | 102.08 | 102.11 | 102.06 | 102.56 | 102.65 | 102.28 | 103.04 | 102.30 | 102.54 | 102.43 | 102.25 | 102.00 | |
| Max | 102.28 | 102.44 | 102.15 | 103.28 | 103.16 | 104.18 | 104.19 | 103.10 | 103.20 | 103.20 | 102.74 | 102.10 | 104.19 |
| Min | 101.99 | 102.04 | 102.01 | 102.01 | 102.09 | 102.05 | 102.38 | 101.98 | 101.98 | 102.04 | 102.01 | 101.73 | 101.73 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 104.32 | m. (MSL.) , | at 18.00 Hours , on Oct 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 101.53 | m. (MSL.) , | River Bed | 101.69 | m. (MSL.) |
| Left Bank Elevation | 108.27 | m. (MSL.) , | | | |
| Right Bank Elevation | 108.36 | m. (MSL.) , | Drainage Are | 227 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.32 | 0.24 | 0.46 | 0.59 | 0.38 | 0.38 | 24.62 | 1.81 | 0.08 | 0.21 | 0.21 | 0.10 | | |
| 2 | 0.35 | 0.21 | 0.32 | 0.55 | 0.38 | 0.35 | 15.79 | 1.74 | 0.08 | 0.21 | 0.21 | 0.10 | | |
| 3 | 0.35 | 0.21 | 0.30 | 0.35 | 0.38 | 0.35 | 12.17 | 1.74 | 0.08 | 0.21 | 0.21 | 0.10 | | |
| 4 | 0.32 | 0.21 | 0.30 | 0.18 | 0.35 | 0.42 | 10.99 | 1.74 | 0.08 | 0.21 | 0.18 | 0.10 | | |
| 5 | 0.32 | 2.35 | 0.24 | 0.18 | 0.35 | 0.38 | 10.99 | 1.46 | 0.08 | 0.21 | 0.18 | 0.10 | | |
| 6 | 0.09 | 2.35 | 0.21 | 0.16 | 0.35 | 0.35 | 15.60 | 1.27 | 0.08 | 0.21 | 0.18 | 0.10 | | |
| 7 | 0.16 | 2.27 | 0.21 | 0.16 | 0.35 | 0.35 | 11.33 | 1.22 | 5.53 | 0.21 | 0.18 | 0.10 | | |
| 8 | 0.10 | 0.42 | 0.18 | 0.13 | 0.35 | 0.30 | 9.67 | 1.11 | 10.82 | 0.21 | 0.18 | 0.10 | | |
| 9 | 0.10 | 0.38 | 0.18 | 4.31 | 0.35 | 0.24 | 12.34 | 1.06 | 10.82 | 0.21 | 0.18 | 0.10 | | |
| 10 | 0.10 | 0.32 | 0.16 | 4.11 | 6.78 | 0.35 | 19.46 | 1.06 | 10.49 | 3.33 | 0.18 | 0.10 | | |
| 11 | 0.09 | 0.51 | 0.24 | 4.11 | 11.33 | 0.32 | 37.22 | 1.06 | 12.00 | 7.30 | 0.18 | 0.10 | | |
| 12 | 0.55 | 0.35 | 0.18 | 4.11 | 11.16 | 0.51 | 29.84 | 4.94 | 11.83 | 7.72 | 0.18 | 0.10 | | |
| 13 | 0.46 | 0.27 | 0.18 | 6.52 | 10.99 | 0.59 | 20.72 | 10.32 | 11.66 | 7.72 | 3.14 | 0.10 | | |
| 14 | 0.38 | 0.24 | 0.16 | 8.14 | 10.99 | 0.63 | 19.46 | 9.02 | 11.66 | 7.72 | 5.29 | 0.10 | | |
| 15 | 0.38 | 0.21 | 0.16 | 13.36 | 10.82 | 0.51 | 14.27 | 8.86 | 11.66 | 10.66 | 5.17 | 0.10 | | |
| 16 | 0.35 | 0.21 | 0.13 | 12.34 | 10.82 | 0.76 | 11.33 | 8.86 | 11.66 | 12.00 | 5.17 | 0.16 | | |
| 17 | 0.35 | 0.32 | 0.13 | 9.19 | 10.82 | 0.63 | 9.35 | 1.53 | 11.66 | 11.83 | 5.17 | 0.13 | | |
| 18 | 0.63 | 0.27 | 0.13 | 9.02 | 10.66 | 0.63 | 7.86 | 1.46 | 11.16 | 11.66 | 5.06 | 0.09 | | |
| 19 | 0.42 | 0.51 | 0.32 | 9.02 | 10.49 | 0.59 | 6.65 | 1.39 | 10.99 | 11.50 | 5.06 | 0.09 | | |
| 20 | 1.22 | 0.42 | 0.59 | 9.19 | 10.49 | 0.96 | 6.00 | 0.18 | 10.82 | 11.33 | 4.94 | 0.10 | | |
| 21 | 0.46 | 0.42 | 0.55 | 9.19 | 10.49 | 0.85 | 5.17 | 0.13 | 1.32 | 11.16 | 4.94 | 0.10 | | |
| 22 | 0.38 | 0.38 | 0.42 | 9.02 | 10.32 | 0.85 | 4.51 | 0.13 | 0.32 | 0.35 | 0.72 | 0.10 | | |
| 23 | 0.30 | 0.35 | 0.32 | 9.02 | 10.32 | 0.72 | 3.80 | 0.10 | 0.27 | 0.30 | 0.21 | 0.38 | | |
| 24 | 0.32 | 0.30 | 0.27 | 8.70 | 10.16 | 0.55 | 3.52 | 0.10 | 0.27 | 0.27 | 0.16 | 0.35 | | |
| 25 | 0.27 | 0.32 | 0.24 | 8.70 | 10.00 | 0.46 | 3.14 | 0.09 | 0.27 | 0.27 | 0.16 | 0.35 | | |
| 26 | 0.27 | 0.30 | 0.21 | 0.63 | 10.00 | 3.90 | 2.95 | 0.09 | 0.27 | 0.24 | 0.13 | 0.21 | | |
| 27 | 0.24 | 0.24 | 0.21 | 0.51 | 0.72 | 1.01 | 2.77 | 0.09 | 0.27 | 0.24 | 0.13 | 0.06 | | |
| 28 | 0.24 | 0.21 | 0.32 | 0.46 | 0.55 | 1.11 | 2.60 | 0.09 | 0.27 | 0.24 | 0.13 | 0.06 | | |
| 29 | 0.24 | 0.21 | 0.27 | 0.42 | 0.46 | 27.73 | 2.35 | 0.08 | 0.24 | 0.24 | | 0.00 | | |
| 30 | 0.24 | 0.21 | 0.27 | 0.42 | 0.42 | 36.89 | 2.19 | 0.08 | 0.21 | 0.21 | | 0.09 | | |
| 31 | | 0.21 | | 0.38 | 0.38 | | 1.88 | | 0.21 | 0.21 | | 0.05 | | |
| Total | 10.00 | 15.42 | 7.86 | 143.17 | 182.41 | 83.67 | 340.54 | 62.81 | 157.16 | 118.39 | 47.83 | 3.82 | 1173.08 | CMSDAY |
| Mean | 0.33 | 0.50 | 0.26 | 4.62 | 5.88 | 2.79 | 10.99 | 2.09 | 5.07 | 3.82 | 1.71 | 0.12 | 3.21 | CMS |
| Max | 1.22 | 2.35 | 0.59 | 13.36 | 11.33 | 36.89 | 37.22 | 10.32 | 12.00 | 12.00 | 5.29 | 0.38 | 37.22 | CMS |
| Min | 0.09 | 0.21 | 0.13 | 0.13 | 0.35 | 0.24 | 1.88 | 0.08 | 0.08 | 0.21 | 0.13 | 0.00 | 0.00 | CMS |
| Runoff | 0.86 | 1.33 | 0.68 | 12.37 | 15.76 | 7.23 | 29.42 | 5.43 | 13.58 | 10.23 | 4.13 | 0.33 | 101.35 | MCM |

Momentary Peak 41.61 CMS. at 104.32 m. (MSL.) at 18.00 Hours , on Oct 11 , 2006

Runoff Yield 14.16 Liters/Second/Square KM. Momentary Peak Yield 183.30 Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Khlong Bang Luang at Ban Bang Luang Dod, Phra Nakhon Si Ayutthaya (C.36)

Lat 14 - 24 - 50 N Long 100 - 26 - 37 E

**Location : on right bank at Ban Bang Luang Dod.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Bang Luang Dod | **Amphoe** Bang Ban | | **Changwat** Phra Nakhon Si Ayutthaya | |
| **Drainge Area** | Flood Plain | | | | |
| **Type of Gage** | Water - stage recorder | | | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On right bank near the top staff gage | | | **Elevation** | +7.500 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 1982 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1983 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1983 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 50 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

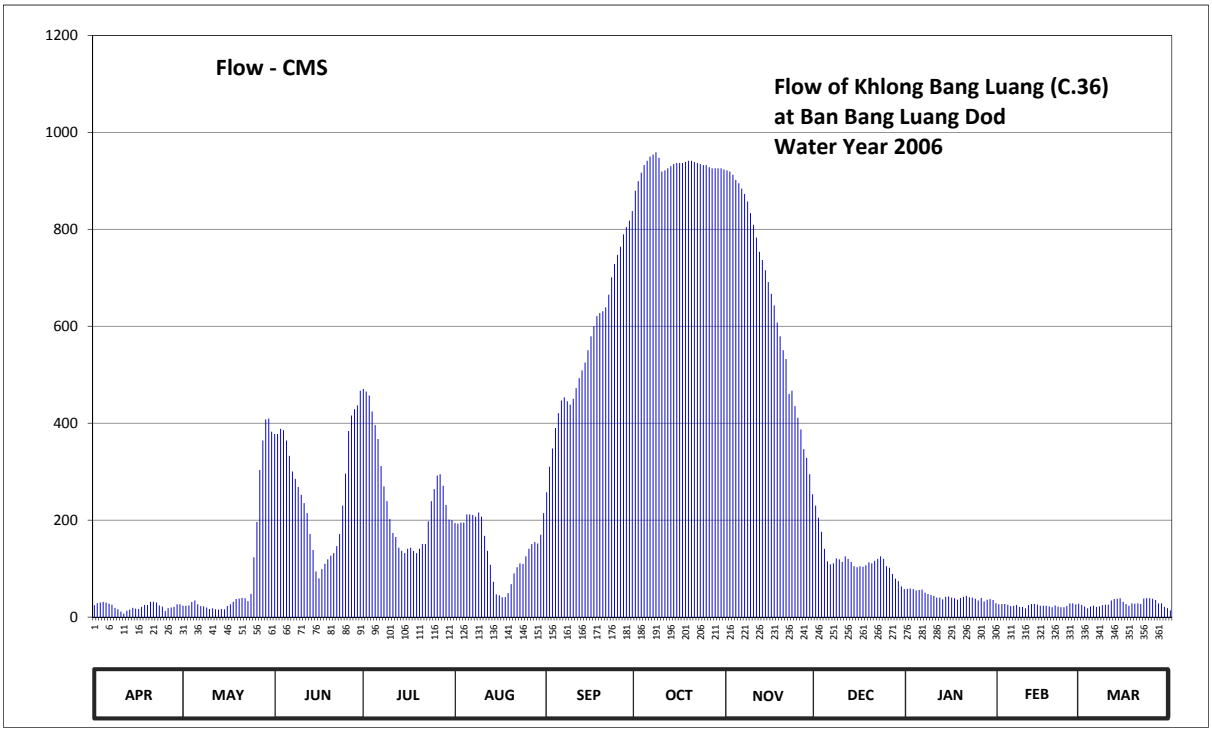
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.21 | 0.19 | 3.40 | 3.98 | 2.05 | 2.55 | 6.03 | 6.22 | 2.34 | 0.73 | 0.24 | 0.22 | |
| 2 | 0.28 | 0.19 | 3.40 | 3.95 | 2.04 | 2.93 | 6.12 | 6.21 | 2.14 | 0.74 | 0.25 | 0.16 | |
| 3 | 0.30 | 0.20 | 3.47 | 3.90 | 2.06 | 3.20 | 6.20 | 6.18 | 1.90 | 0.72 | 0.25 | 0.10 | |
| 4 | 0.32 | 0.32 | 3.45 | 3.70 | 2.06 | 3.48 | 6.27 | 6.13 | 1.59 | 0.69 | 0.22 | 0.16 | |
| 5 | 0.30 | 0.37 | 3.31 | 3.52 | 2.20 | 3.68 | 6.31 | 6.10 | 1.35 | 0.70 | 0.18 | 0.19 | |
| 6 | 0.26 | 0.24 | 3.09 | 3.33 | 2.20 | 3.84 | 6.35 | 6.05 | 1.29 | 0.71 | 0.19 | 0.15 | |
| 7 | 0.23 | 0.18 | 2.86 | 2.94 | 2.19 | 3.88 | 6.37 | 6.00 | 1.31 | 0.63 | 0.22 | 0.17 | |
| 8 | 0.12 | 0.17 | 2.75 | 2.64 | 2.16 | 3.83 | 6.39 | 5.93 | 1.41 | 0.59 | 0.15 | 0.21 | |
| 9 | 0.07 | 0.13 | 2.63 | 2.41 | 2.23 | 3.79 | 6.34 | 5.82 | 1.39 | 0.56 | 0.15 | 0.23 | |
| 10 | -0.01 | 0.08 | 2.51 | 2.12 | 2.16 | 3.86 | 6.21 | 5.71 | 1.34 | 0.53 | 0.10 | 0.23 | |
| 11 | -0.08 | 0.10 | 2.38 | 1.88 | 1.83 | 3.99 | 6.22 | 5.59 | 1.45 | 0.47 | 0.21 | 0.37 | |
| 12 | 0.02 | 0.07 | 2.22 | 1.81 | 1.55 | 4.11 | 6.24 | 5.45 | 1.40 | 0.47 | 0.25 | 0.42 | |
| 13 | 0.06 | 0.06 | 1.86 | 1.61 | 1.28 | 4.20 | 6.26 | 5.37 | 1.34 | 0.41 | 0.25 | 0.43 | |
| 14 | 0.12 | 0.08 | 1.57 | 1.55 | 0.91 | 4.29 | 6.28 | 5.27 | 1.25 | 0.50 | 0.23 | 0.45 | |
| 15 | 0.09 | 0.07 | 1.14 | 1.51 | 0.58 | 4.43 | 6.29 | 5.15 | 1.23 | 0.51 | 0.19 | 0.33 | |
| 16 | 0.08 | 0.18 | 1.00 | 1.59 | 0.55 | 4.58 | 6.29 | 5.03 | 1.25 | 0.47 | 0.19 | 0.25 | |
| 17 | 0.15 | 0.24 | 1.19 | 1.61 | 0.48 | 4.69 | 6.29 | 4.91 | 1.24 | 0.45 | 0.19 | 0.19 | |
| 18 | 0.22 | 0.33 | 1.30 | 1.55 | 0.49 | 4.80 | 6.30 | 4.73 | 1.27 | 0.40 | 0.17 | 0.27 | |
| 19 | 0.22 | 0.42 | 1.39 | 1.51 | 0.62 | 4.83 | 6.31 | 4.58 | 1.33 | 0.46 | 0.14 | 0.26 | |
| 20 | 0.33 | 0.44 | 1.46 | 1.59 | 0.85 | 4.85 | 6.31 | 4.43 | 1.31 | 0.50 | 0.20 | 0.27 | |
| 21 | 0.33 | 0.46 | 1.51 | 1.68 | 1.10 | 4.89 | 6.30 | 4.33 | 1.36 | 0.53 | 0.16 | 0.25 | |
| 22 | 0.30 | 0.45 | 1.64 | 1.68 | 1.23 | 5.02 | 6.29 | 3.92 | 1.40 | 0.48 | 0.14 | 0.44 | |
| 23 | 0.20 | 0.35 | 1.86 | 2.08 | 1.31 | 5.20 | 6.28 | 3.96 | 1.45 | 0.47 | 0.14 | 0.45 | |
| 24 | 0.16 | 0.60 | 2.34 | 2.41 | 1.30 | 5.33 | 6.27 | 3.77 | 1.40 | 0.43 | 0.18 | 0.45 | |
| 25 | 0.01 | 1.43 | 2.83 | 2.60 | 1.45 | 5.42 | 6.27 | 3.62 | 1.25 | 0.37 | 0.27 | 0.43 | |
| 26 | 0.11 | 2.07 | 3.44 | 2.80 | 1.59 | 5.50 | 6.25 | 3.46 | 1.22 | 0.46 | 0.27 | 0.39 | |
| 27 | 0.13 | 2.88 | 3.65 | 2.82 | 1.68 | 5.62 | 6.24 | 3.19 | 1.09 | 0.34 | 0.24 | 0.27 | |
| 28 | 0.15 | 3.31 | 3.73 | 2.65 | 1.72 | 5.69 | 6.24 | 3.06 | 0.99 | 0.40 | 0.26 | 0.27 | |
| 29 | 0.24 | 3.60 | 3.78 | 2.35 | 1.69 | 5.75 | 6.24 | 2.82 | 0.93 | 0.42 | | 0.15 | |
| 30 | 0.24 | 3.61 | 3.96 | 2.11 | 1.85 | 5.84 | 6.24 | 2.52 | 0.79 | 0.39 | | 0.11 | |
| 31 | | 3.43 | | 2.10 | 2.22 | | 6.23 | | 0.72 | 0.28 | | 0.03 | |
| Mean | 0.17 | 0.85 | 2.50 | 2.39 | 1.54 | 4.47 | 6.27 | 4.85 | 1.35 | 0.51 | 0.20 | 0.27 | |
| Max | 0.33 | 3.61 | 3.96 | 3.98 | 2.23 | 5.84 | 6.39 | 6.22 | 2.34 | 0.74 | 0.27 | 0.45 | 6.39 |
| Min | -0.08 | 0.06 | 1.00 | 1.51 | 0.48 | 2.93 | 6.12 | 2.52 | 0.72 | 0.28 | 0.10 | 0.03 | -0.08 |

Annual Max Momentary Gage Height 6.39 m. (MSL.) , at 24.00 Hours , on Oct 8 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed -4.53 m. (MSL.)

Left Bank Elevation 7.05 m. (MSL.) ,

Right Bank Elevation 7.69 m. (MSL.) , Drainage Area Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24.60 | 23.40 | 378.00 | 470.60 | 194.00 | 257.50 | 879.60 | 921.40 | 230.20 | 58.40 | 26.40 | 25.20 | | |
| 2 | 28.80 | 23.40 | 378.00 | 465.50 | 192.80 | 310.20 | 899.40 | 919.20 | 204.80 | 59.20 | 27.00 | 21.60 | | |
| 3 | 30.00 | 24.00 | 388.50 | 457.00 | 195.20 | 348.00 | 917.00 | 912.60 | 176.00 | 57.60 | 27.00 | 18.00 | | |
| 4 | 31.20 | 31.20 | 385.50 | 424.00 | 195.20 | 390.00 | 932.40 | 901.60 | 140.90 | 55.20 | 25.20 | 21.60 | | |
| 5 | 30.00 | 34.20 | 364.50 | 396.00 | 212.00 | 420.80 | 941.20 | 895.00 | 115.00 | 56.00 | 22.80 | 23.40 | | |
| 6 | 27.60 | 26.40 | 332.60 | 367.50 | 212.00 | 446.80 | 950.00 | 884.00 | 109.00 | 56.80 | 23.40 | 21.00 | | |
| 7 | 25.80 | 22.80 | 300.40 | 311.60 | 210.80 | 453.60 | 954.40 | 873.00 | 111.00 | 50.40 | 25.20 | 22.20 | | |
| 8 | 19.20 | 22.20 | 285.00 | 269.60 | 207.20 | 445.10 | 958.80 | 857.60 | 121.10 | 47.40 | 21.00 | 24.60 | | |
| 9 | 16.20 | 19.80 | 268.20 | 239.30 | 215.90 | 438.40 | 947.80 | 833.40 | 119.00 | 45.60 | 21.00 | 25.80 | | |
| 10 | 11.40 | 16.80 | 252.30 | 202.40 | 207.20 | 450.20 | 919.20 | 809.20 | 114.00 | 43.80 | 18.00 | 25.80 | | |
| 11 | 7.20 | 18.00 | 235.40 | 173.60 | 167.60 | 472.30 | 921.40 | 782.90 | 125.50 | 40.20 | 24.60 | 34.20 | | |
| 12 | 13.20 | 16.20 | 214.60 | 165.20 | 136.50 | 492.80 | 925.80 | 753.50 | 120.00 | 40.20 | 27.00 | 37.20 | | |
| 13 | 15.60 | 15.60 | 171.20 | 143.10 | 108.00 | 509.00 | 930.20 | 736.70 | 114.00 | 36.60 | 27.00 | 37.80 | | |
| 14 | 19.20 | 16.80 | 138.70 | 136.50 | 72.80 | 525.20 | 934.60 | 715.70 | 105.00 | 42.00 | 25.80 | 39.00 | | |
| 15 | 17.40 | 16.20 | 94.00 | 132.10 | 46.80 | 550.70 | 936.80 | 691.00 | 103.00 | 42.60 | 23.40 | 31.80 | | |
| 16 | 16.80 | 22.80 | 80.00 | 140.90 | 45.00 | 579.20 | 936.80 | 667.00 | 105.00 | 40.20 | 23.40 | 27.00 | | |
| 17 | 21.00 | 26.40 | 99.00 | 143.10 | 40.80 | 600.10 | 936.80 | 643.00 | 104.00 | 39.00 | 23.40 | 23.40 | | |
| 18 | 25.20 | 31.80 | 110.00 | 136.50 | 41.40 | 621.00 | 939.00 | 607.70 | 107.00 | 36.00 | 22.20 | 28.20 | | |
| 19 | 25.20 | 37.20 | 119.00 | 132.10 | 49.60 | 627.00 | 941.20 | 579.20 | 113.00 | 39.60 | 20.40 | 27.60 | | |
| 20 | 31.80 | 38.40 | 126.60 | 140.90 | 68.00 | 631.00 | 941.20 | 550.70 | 111.00 | 42.00 | 24.00 | 28.20 | | |
| 21 | 31.80 | 39.60 | 132.10 | 150.80 | 90.00 | 639.00 | 939.00 | 532.40 | 116.00 | 43.80 | 21.60 | 27.00 | | |
| 22 | 30.00 | 39.00 | 146.40 | 150.80 | 103.00 | 665.00 | 936.80 | 460.40 | 120.00 | 40.80 | 20.40 | 38.40 | | |
| 23 | 24.00 | 33.00 | 171.20 | 197.60 | 111.00 | 701.00 | 934.60 | 467.20 | 125.50 | 40.20 | 20.40 | 39.00 | | |
| 24 | 21.60 | 48.00 | 230.20 | 239.30 | 110.00 | 728.30 | 932.40 | 435.20 | 120.00 | 37.80 | 22.80 | 39.00 | | |
| 25 | 12.60 | 123.30 | 296.20 | 264.00 | 125.50 | 747.20 | 932.40 | 411.20 | 105.00 | 34.20 | 28.20 | 37.80 | | |
| 26 | 18.60 | 196.40 | 384.00 | 292.00 | 140.90 | 764.00 | 928.00 | 387.00 | 102.00 | 39.60 | 28.20 | 35.40 | | |
| 27 | 19.80 | 303.20 | 416.00 | 294.80 | 150.80 | 789.40 | 925.80 | 346.60 | 89.00 | 32.40 | 26.40 | 28.20 | | |
| 28 | 21.00 | 364.50 | 428.80 | 271.00 | 155.20 | 804.80 | 925.80 | 328.40 | 79.20 | 36.00 | 27.60 | 28.20 | | |
| 29 | 26.40 | 408.00 | 436.80 | 231.50 | 151.90 | 818.00 | 925.80 | 294.80 | 74.40 | 37.20 | | 21.00 | | |
| 30 | 26.40 | 409.60 | 467.20 | 201.20 | 170.00 | 837.80 | 925.80 | 253.60 | 63.20 | 35.40 | | 18.60 | | |
| 31 | | 382.50 | | 200.00 | 214.60 | | 923.60 | | 57.60 | 28.80 | | 13.80 | | |
| Total | 669.60 | 2830.70 | 7830.40 | 7540.50 | 4341.70 | 17063.40 | 28873.60 | 19451.20 | 3600.40 | 1335.00 | 673.80 | 870.00 | 95080.30 | CMSDAY |
| Mean | 22.32 | 91.31 | 261.01 | 243.24 | 140.05 | 568.78 | 931.41 | 648.37 | 116.14 | 43.06 | 24.06 | 28.06 | 260.49 | CMS |
| Max | 31.80 | 409.60 | 467.20 | 470.60 | 215.90 | 837.80 | 958.80 | 921.40 | 230.20 | 59.20 | 28.20 | 39.00 | 958.80 | CMS |
| Min | 7.20 | 15.60 | 80.00 | 132.10 | 40.80 | 257.50 | 879.60 | 253.60 | 57.60 | 28.80 | 18.00 | 13.80 | 7.20 | CMS |
| Runoff | 57.85 | 244.57 | 676.55 | 651.50 | 375.12 | 1474.28 | 2494.68 | 1680.58 | 311.07 | 115.34 | 58.22 | 75.17 | 8214.94 | MCM |

Momentary Peak 958.80 CMS. at 6.39 m. (MSL.) at 24.00 Hours , on Oct 8 , 2006

Runoff Yield ***** Liters/Second/Square KM. Momentary Peak Yield ***** Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Khlong Bang Ban at Ban Bang Ban, Phra Nakhon Si Ayutthaya (C.37)

Lat 14 - 21 - 28 N Long 100 - 29 - 03 E

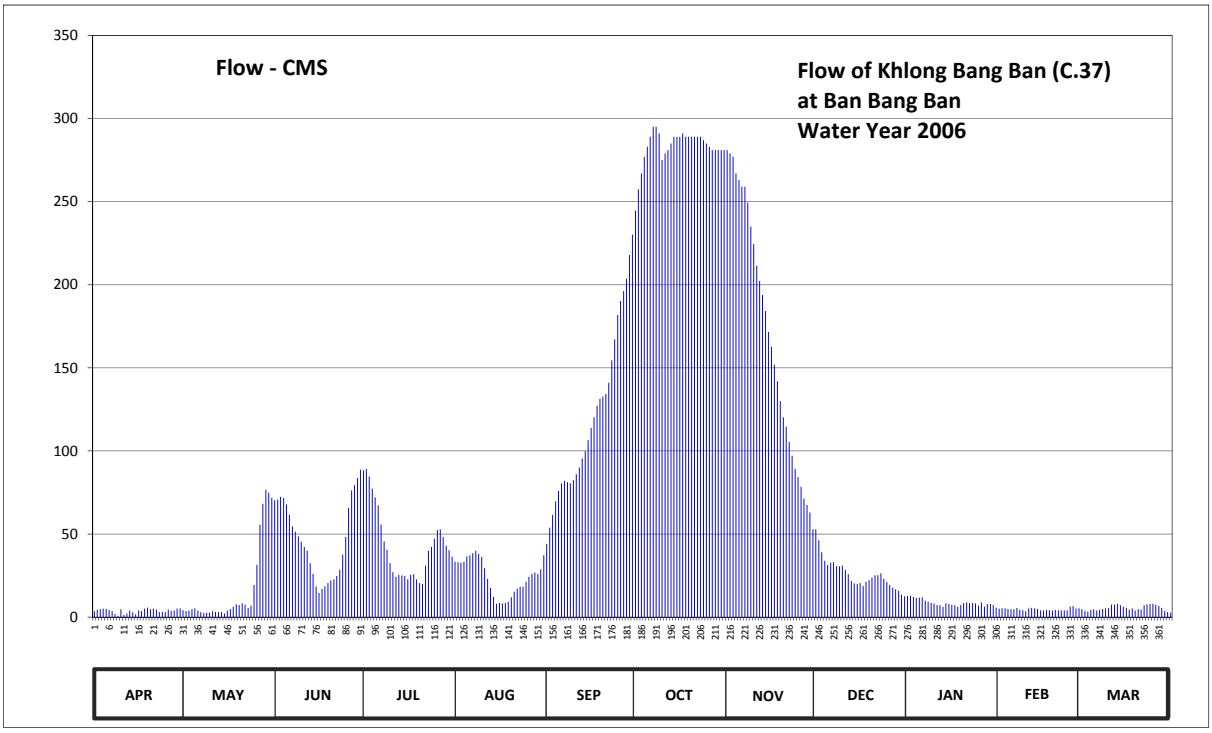
**Location : on left bank at the bridge.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** | Bang Ban | **Amphoe** Bang Ban | **Changwat** | Phra Nakhon Si Ayutthaya |
| **Drainge Area** | Flood Plain | | | | |
| **Type of Gage** | Water - stage recorder | | | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On left bank near the top staff gage | | | **Elevation** | +7.703 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 1982 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1983 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1983 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined by 42 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.07 | 0.12 | 2.68 | 3.15 | 1.56 | 1.92 | 4.91 | 5.11 | 2.18 | 0.66 | 0.19 | 0.17 | |
| 2 | 0.14 | 0.09 | 2.69 | 3.17 | 1.55 | 2.21 | 4.99 | 5.10 | 1.99 | 0.67 | 0.21 | 0.09 | |
| 3 | 0.17 | 0.10 | 2.74 | 3.07 | 1.54 | 2.43 | 5.04 | 5.09 | 1.75 | 0.63 | 0.21 | 0.05 | |
| 4 | 0.19 | 0.17 | 2.72 | 2.88 | 1.56 | 2.66 | 5.09 | 5.04 | 1.58 | 0.60 | 0.18 | 0.13 | |
| 5 | 0.18 | 0.21 | 2.61 | 2.73 | 1.67 | 2.84 | 5.12 | 5.02 | 1.49 | 0.61 | 0.16 | 0.16 | |
| 6 | 0.13 | 0.10 | 2.43 | 2.59 | 1.69 | 2.97 | 5.15 | 5.00 | 1.54 | 0.62 | 0.16 | 0.11 | |
| 7 | 0.08 | 0.03 | 2.23 | 2.26 | 1.73 | 3.01 | 5.18 | 5.00 | 1.55 | 0.52 | 0.22 | 0.14 | |
| 8 | -0.05 | -0.01 | 2.14 | 1.97 | 1.78 | 2.99 | 5.18 | 4.94 | 1.47 | 0.48 | 0.14 | 0.18 | |
| 9 | -0.14 | 0.01 | 2.06 | 1.80 | 1.72 | 2.97 | 5.16 | 4.85 | 1.46 | 0.44 | 0.12 | 0.21 | |
| 10 | 0.16 | 0.01 | 1.96 | 1.53 | 1.66 | 3.02 | 5.08 | 4.78 | 1.48 | 0.41 | 0.07 | 0.22 | |
| 11 | -0.10 | 0.07 | 1.86 | 1.32 | 1.42 | 3.10 | 5.10 | 4.68 | 1.38 | 0.35 | 0.20 | 0.37 | |
| 12 | -0.04 | 0.04 | 1.78 | 1.21 | 1.16 | 3.19 | 5.11 | 4.61 | 1.27 | 0.34 | 0.23 | 0.37 | |
| 13 | 0.10 | 0.03 | 1.53 | 1.26 | 0.90 | 3.29 | 5.13 | 4.54 | 1.11 | 0.27 | 0.21 | 0.40 | |
| 14 | 0.02 | 0.04 | 1.28 | 1.24 | 0.63 | 3.37 | 5.15 | 4.46 | 1.04 | 0.42 | 0.18 | 0.34 | |
| 15 | -0.07 | -0.03 | 0.95 | 1.23 | 0.40 | 3.49 | 5.15 | 4.34 | 1.02 | 0.40 | 0.11 | 0.28 | |
| 16 | 0.11 | 0.11 | 0.75 | 1.15 | 0.43 | 3.62 | 5.15 | 4.24 | 1.05 | 0.36 | 0.10 | 0.23 | |
| 17 | 0.08 | 0.17 | 0.87 | 1.26 | 0.41 | 3.71 | 5.16 | 4.12 | 0.96 | 0.35 | 0.13 | 0.15 | |
| 18 | 0.19 | 0.28 | 0.95 | 1.27 | 0.44 | 3.81 | 5.15 | 4.01 | 1.09 | 0.28 | 0.12 | 0.20 | |
| 19 | 0.24 | 0.38 | 1.05 | 1.15 | 0.48 | 3.87 | 5.15 | 3.85 | 1.13 | 0.35 | 0.10 | 0.10 | |
| 20 | 0.16 | 0.35 | 1.12 | 1.05 | 0.62 | 3.89 | 5.15 | 3.71 | 1.19 | 0.43 | 0.13 | 0.16 | |
| 21 | 0.19 | 0.42 | 1.15 | 1.02 | 0.79 | 3.91 | 5.15 | 3.63 | 1.25 | 0.46 | 0.11 | 0.15 | |
| 22 | 0.15 | 0.36 | 1.23 | 1.48 | 0.88 | 4.00 | 5.15 | 3.47 | 1.25 | 0.43 | 0.12 | 0.35 | |
| 23 | 0.04 | 0.22 | 1.38 | 1.78 | 0.94 | 4.15 | 5.15 | 3.32 | 1.29 | 0.43 | 0.11 | 0.38 | |
| 24 | 0.04 | 0.33 | 1.70 | 1.86 | 0.94 | 4.29 | 5.14 | 3.17 | 1.16 | 0.41 | 0.12 | 0.39 | |
| 25 | 0.03 | 0.99 | 2.05 | 2.02 | 1.09 | 4.44 | 5.13 | 3.06 | 1.08 | 0.32 | 0.29 | 0.40 | |
| 26 | 0.15 | 1.50 | 2.55 | 2.17 | 1.21 | 4.51 | 5.12 | 2.91 | 0.99 | 0.45 | 0.31 | 0.37 | |
| 27 | 0.09 | 2.26 | 2.85 | 2.18 | 1.28 | 4.56 | 5.11 | 2.71 | 0.91 | 0.29 | 0.20 | 0.32 | |
| 28 | 0.10 | 2.62 | 2.94 | 2.05 | 1.31 | 4.62 | 5.11 | 2.60 | 0.86 | 0.39 | 0.21 | 0.23 | |
| 29 | 0.19 | 2.86 | 3.05 | 1.88 | 1.28 | 4.73 | 5.11 | 2.47 | 0.82 | 0.39 | | 0.09 | |
| 30 | 0.20 | 2.81 | 3.16 | 1.79 | 1.39 | 4.82 | 5.11 | 2.18 | 0.70 | 0.35 | | 0.04 | |
| 31 | | 2.72 | | 1.66 | 1.69 | | 5.11 | | 0.65 | 0.24 | | 0.00 | |
| Mean | 0.09 | 0.62 | 1.95 | 1.84 | 1.17 | 3.55 | 5.12 | 4.07 | 1.25 | 0.43 | 0.17 | 0.22 | |
| Max | 0.24 | 2.86 | 3.16 | 3.17 | 1.78 | 4.82 | 5.18 | 5.11 | 2.18 | 0.67 | 0.31 | 0.40 | 5.18 |
| Min | -0.14 | -0.03 | 0.75 | 1.02 | 0.40 | 1.92 | 4.91 | 2.18 | 0.65 | 0.24 | 0.07 | 0.00 | -0.14 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 5.18 | m. (MSL.) , | at 08.00 Hours , on Oct 7 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | -2.52 | m. (MSL.) |
| Left Bank Elevation | 7.52 | m. (MSL.) , | | | |
| Right Bank Elevation | 6.40 | m. (MSL.) , | Drainage Area | Square Kilometers | |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.51 | 4.16 | 70.30 | 88.25 | 33.30 | 44.10 | 244.60 | 281.00 | 52.80 | 12.70 | 5.07 | 4.81 | | |
| 2 | 4.42 | 3.77 | 70.65 | 89.15 | 33.00 | 53.85 | 257.40 | 279.00 | 46.20 | 12.90 | 5.33 | 3.77 | | |
| 3 | 4.81 | 3.90 | 72.40 | 84.65 | 32.70 | 61.55 | 267.00 | 277.00 | 39.00 | 12.10 | 5.33 | 3.25 | | |
| 4 | 5.07 | 4.81 | 71.70 | 77.30 | 33.30 | 69.60 | 277.00 | 267.00 | 33.90 | 11.50 | 4.94 | 4.29 | | |
| 5 | 4.94 | 5.33 | 67.85 | 72.05 | 36.60 | 75.90 | 283.00 | 263.00 | 31.25 | 11.70 | 4.68 | 4.68 | | |
| 6 | 4.29 | 3.90 | 61.55 | 67.15 | 37.20 | 80.45 | 289.00 | 259.00 | 32.70 | 11.90 | 4.68 | 4.03 | | |
| 7 | 3.64 | 2.99 | 54.55 | 55.60 | 38.40 | 81.95 | 295.00 | 259.00 | 33.00 | 9.90 | 5.46 | 4.42 | | |
| 8 | 1.95 | 2.47 | 51.40 | 45.60 | 39.90 | 81.15 | 295.00 | 249.40 | 30.75 | 9.20 | 4.42 | 4.94 | | |
| 9 | 0.78 | 2.73 | 48.60 | 40.50 | 38.10 | 80.45 | 291.00 | 235.00 | 30.50 | 8.60 | 4.16 | 5.33 | | |
| 10 | 4.68 | 2.73 | 45.30 | 32.40 | 36.30 | 82.40 | 275.00 | 224.40 | 31.00 | 8.15 | 3.51 | 5.46 | | |
| 11 | 1.30 | 3.51 | 42.30 | 27.00 | 29.50 | 86.00 | 279.00 | 211.40 | 28.50 | 7.25 | 5.20 | 7.55 | | |
| 12 | 2.08 | 3.12 | 39.90 | 24.25 | 23.00 | 90.05 | 281.00 | 202.30 | 25.75 | 7.10 | 5.59 | 7.55 | | |
| 13 | 3.90 | 2.99 | 32.40 | 25.50 | 17.50 | 95.45 | 285.00 | 193.80 | 21.75 | 6.11 | 5.33 | 8.00 | | |
| 14 | 2.86 | 3.12 | 26.00 | 25.00 | 12.10 | 99.85 | 289.00 | 184.20 | 20.30 | 8.30 | 4.94 | 7.10 | | |
| 15 | 1.69 | 2.21 | 18.50 | 24.75 | 8.00 | 106.45 | 289.00 | 171.60 | 19.90 | 8.00 | 4.03 | 6.24 | | |
| 16 | 4.03 | 4.03 | 14.50 | 22.75 | 8.45 | 113.90 | 289.00 | 162.60 | 20.50 | 7.40 | 3.90 | 5.59 | | |
| 17 | 3.64 | 4.81 | 16.90 | 25.50 | 8.15 | 120.20 | 291.00 | 151.80 | 18.70 | 7.25 | 4.29 | 4.55 | | |
| 18 | 5.07 | 6.24 | 18.50 | 25.75 | 8.60 | 127.20 | 289.00 | 141.90 | 21.30 | 6.24 | 4.16 | 5.20 | | |
| 19 | 5.72 | 7.70 | 20.50 | 22.75 | 9.20 | 131.40 | 289.00 | 130.00 | 22.25 | 7.25 | 3.90 | 3.90 | | |
| 20 | 4.68 | 7.25 | 22.00 | 20.50 | 11.90 | 132.80 | 289.00 | 120.20 | 23.75 | 8.45 | 4.29 | 4.68 | | |
| 21 | 5.07 | 8.30 | 22.75 | 19.90 | 15.30 | 134.25 | 289.00 | 114.60 | 25.25 | 8.90 | 4.03 | 4.55 | | |
| 22 | 4.55 | 7.40 | 24.75 | 31.00 | 17.10 | 141.00 | 289.00 | 105.35 | 25.25 | 8.45 | 4.16 | 7.25 | | |
| 23 | 3.12 | 5.46 | 28.50 | 39.90 | 18.30 | 154.50 | 289.00 | 97.10 | 26.25 | 8.45 | 4.03 | 7.70 | | |
| 24 | 3.12 | 6.95 | 37.50 | 42.30 | 18.30 | 167.10 | 287.00 | 89.15 | 23.00 | 8.15 | 4.16 | 7.85 | | |
| 25 | 2.99 | 19.30 | 48.25 | 47.20 | 21.30 | 181.80 | 285.00 | 84.20 | 21.10 | 6.80 | 6.37 | 8.00 | | |
| 26 | 4.55 | 31.50 | 65.75 | 52.45 | 24.25 | 190.20 | 283.00 | 78.35 | 19.30 | 8.75 | 6.65 | 7.55 | | |
| 27 | 3.77 | 55.60 | 76.25 | 52.80 | 26.00 | 196.20 | 281.00 | 71.35 | 17.70 | 6.37 | 5.20 | 6.80 | | |
| 28 | 3.90 | 68.20 | 79.40 | 48.25 | 26.75 | 203.60 | 281.00 | 67.50 | 16.70 | 7.85 | 5.33 | 5.59 | | |
| 29 | 5.07 | 76.60 | 83.75 | 42.90 | 26.00 | 217.90 | 281.00 | 62.95 | 15.90 | 7.85 | | 3.77 | | |
| 30 | 5.20 | 74.85 | 88.70 | 40.20 | 28.75 | 230.20 | 281.00 | 52.80 | 13.50 | 7.25 | | 3.12 | | |
| 31 | | 71.70 | | 36.30 | 37.20 | | 281.00 | | 12.50 | 5.72 | | 2.60 | | |
| Total | 114.40 | 507.63 | 1421.40 | 1349.60 | 754.45 | 3631.45 | 8771.00 | 5086.95 | 800.25 | 266.54 | 133.14 | 170.12 | 23006.93 | CMSDAY |
| Mean | 3.81 | 16.38 | 47.38 | 43.54 | 24.34 | 121.05 | 282.94 | 169.57 | 25.81 | 8.60 | 4.76 | 5.49 | 63.03 | CMS |
| Max | 5.72 | 76.60 | 88.70 | 89.15 | 39.90 | 230.20 | 295.00 | 281.00 | 52.80 | 12.90 | 6.65 | 8.00 | 295.00 | CMS |
| Min | 0.78 | 2.21 | 14.50 | 19.90 | 8.00 | 44.10 | 244.60 | 52.80 | 12.50 | 5.72 | 3.51 | 2.60 | 0.78 | CMS |
| Runoff | 9.88 | 43.86 | 122.81 | 116.61 | 65.18 | 313.76 | 757.81 | 439.51 | 69.14 | 23.03 | 11.50 | 14.70 | 1987.80 | MCM |

Momentary Peak 295.00 CMS. at 5.18 m. (MSL.) at 08.00 Hours , on Oct 7 , 2006

Runoff Yield ***** Liters/Second/Square KM. Momentary Peak Yield ***** Liters/Second/Square KM.

## WATER YEAR : 2006

## CHAO PHRAYA RIVER BASIN

### Chao Phraya River at Ban In Buri, Sing Buri (C.44)

Lat 15 - 00 - 18 N Long 100 - 19 - 48 E

**Location : on right bank at the bridge**

| | | | |
|---|---|---|---|
| | **Ban** In Buri | **Amphoe** In Buri | **Changwat** Sing Buri |
| **Drainge Area** | 118,510 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank near the gage site | | **Elevation** +13.856 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2005 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2005 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2005 to date | | |
| **Stability of Channel Regimes** | Fairly stable | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +11.860 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 46 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

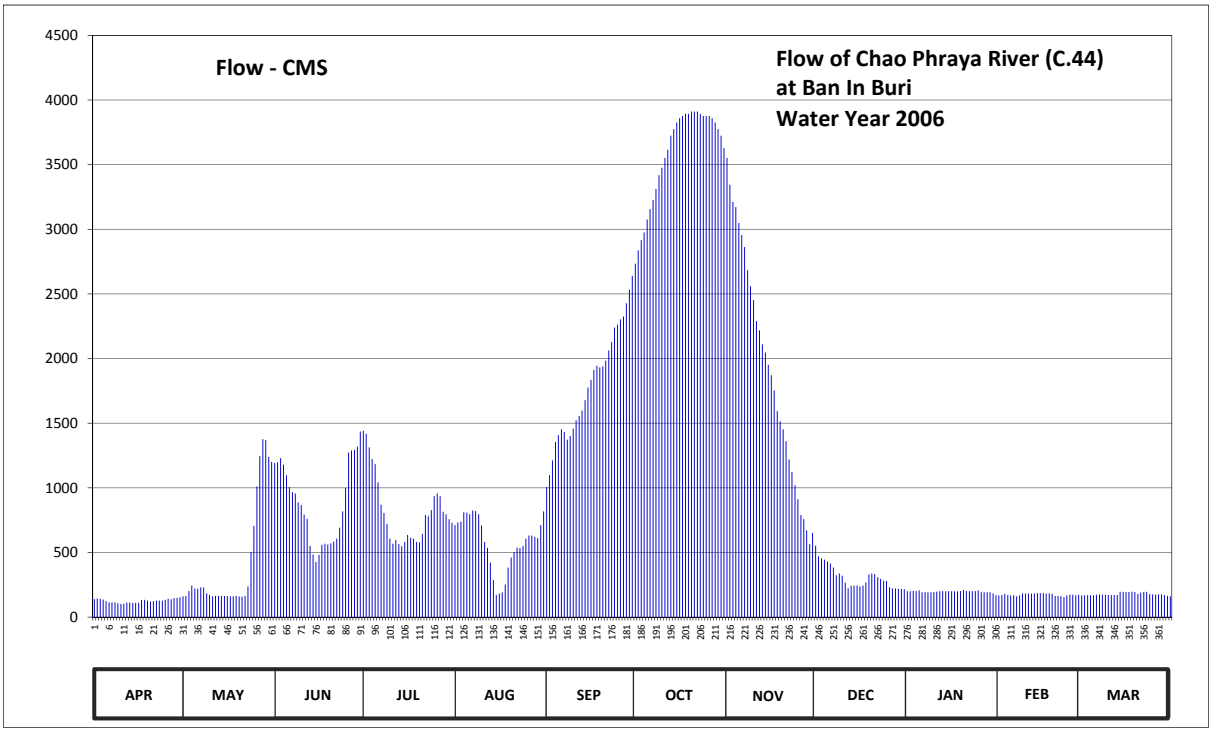
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.01 | 4.27 | 10.04 | 10.79 | 8.15 | 9.40 | 13.86 | 14.89 | 7.30 | 4.75 | 4.35 | 4.37 | |
| 2 | 4.07 | 4.29 | 10.06 | 10.72 | 8.25 | 9.73 | 14.05 | 14.71 | 6.80 | 4.74 | 4.40 | 4.37 | |
| 3 | 4.04 | 4.77 | 10.16 | 10.42 | 8.28 | 10.11 | 14.17 | 14.58 | 6.71 | 4.78 | 4.50 | 4.38 | |
| 4 | 3.99 | 5.27 | 10.00 | 10.14 | 8.62 | 10.54 | 14.26 | 14.53 | 6.64 | 4.77 | 4.39 | 4.38 | |
| 5 | 3.93 | 5.00 | 9.72 | 10.01 | 8.61 | 10.69 | 14.41 | 14.37 | 6.55 | 4.83 | 4.35 | 4.38 | |
| 6 | 3.88 | 4.98 | 9.40 | 9.53 | 8.55 | 10.82 | 14.51 | 14.23 | 6.45 | 4.64 | 4.38 | 4.43 | |
| 7 | 3.88 | 5.11 | 9.25 | 8.86 | 8.68 | 10.76 | 14.60 | 14.09 | 6.26 | 4.66 | 4.27 | 4.45 | |
| 8 | 3.88 | 5.09 | 9.21 | 8.60 | 8.66 | 10.59 | 14.68 | 13.76 | 5.86 | 4.65 | 4.36 | 4.42 | |
| 9 | 3.85 | 4.56 | 8.94 | 8.20 | 8.55 | 10.67 | 14.78 | 13.49 | 5.95 | 4.65 | 4.54 | 4.41 | |
| 10 | 3.82 | 4.41 | 8.85 | 7.61 | 8.14 | 10.83 | 14.83 | 13.25 | 5.84 | 4.66 | 4.54 | 4.39 | |
| 11 | 3.83 | 4.28 | 8.54 | 7.39 | 7.46 | 11.00 | 14.89 | 12.89 | 5.45 | 4.70 | 4.54 | 4.39 | |
| 12 | 3.87 | 4.31 | 8.38 | 7.55 | 7.20 | 11.09 | 14.94 | 12.73 | 5.02 | 4.75 | 4.53 | 4.39 | |
| 13 | 3.87 | 4.31 | 7.29 | 7.37 | 6.50 | 11.20 | 15.02 | 12.49 | 5.26 | 4.75 | 4.54 | 4.39 | |
| 14 | 3.86 | 4.30 | 6.89 | 7.27 | 5.61 | 11.41 | 15.05 | 12.34 | 5.27 | 4.75 | 4.57 | 4.69 | |
| 15 | 3.86 | 4.30 | 6.53 | 7.47 | 4.41 | 11.67 | 15.08 | 12.11 | 5.28 | 4.75 | 4.58 | 4.69 | |
| 16 | 3.86 | 4.30 | 6.87 | 7.76 | 4.53 | 11.82 | 15.10 | 11.91 | 5.20 | 4.75 | 4.57 | 4.67 | |
| 17 | 3.97 | 4.28 | 7.34 | 7.64 | 4.65 | 12.01 | 15.11 | 11.61 | 5.28 | 4.75 | 4.55 | 4.67 | |
| 18 | 3.98 | 4.27 | 7.39 | 7.60 | 5.35 | 12.09 | 15.12 | 11.19 | 5.47 | 4.73 | 4.54 | 4.70 | |
| 19 | 3.95 | 4.31 | 7.35 | 7.47 | 6.26 | 12.06 | 15.12 | 10.98 | 5.90 | 4.77 | 4.52 | 4.67 | |
| 20 | 3.91 | 4.26 | 7.40 | 7.45 | 6.74 | 12.08 | 15.13 | 10.82 | 5.94 | 4.85 | 4.31 | 4.50 | |
| 21 | 3.93 | 4.25 | 7.48 | 7.80 | 7.00 | 12.19 | 15.13 | 10.56 | 5.92 | 4.76 | 4.30 | 4.62 | |
| 22 | 3.95 | 4.30 | 7.61 | 8.52 | 7.21 | 12.38 | 15.13 | 10.13 | 5.76 | 4.75 | 4.29 | 4.69 | |
| 23 | 3.95 | 5.20 | 8.05 | 8.48 | 7.19 | 12.53 | 15.12 | 9.81 | 5.67 | 4.75 | 4.20 | 4.69 | |
| 24 | 3.94 | 7.02 | 8.65 | 8.69 | 7.28 | 12.78 | 15.11 | 9.45 | 5.58 | 4.77 | 4.37 | 4.49 | |
| 25 | 3.98 | 8.12 | 9.37 | 9.13 | 7.60 | 12.83 | 15.11 | 9.04 | 5.56 | 4.83 | 4.43 | 4.45 | |
| 26 | 4.05 | 9.42 | 10.30 | 9.21 | 7.73 | 12.92 | 15.11 | 8.52 | 5.13 | 4.66 | 4.43 | 4.44 | |
| 27 | 4.01 | 10.21 | 10.35 | 9.13 | 7.73 | 12.97 | 15.10 | 8.37 | 5.00 | 4.65 | 4.36 | 4.45 | |
| 28 | 4.11 | 10.60 | 10.36 | 8.64 | 7.68 | 13.20 | 15.08 | 7.94 | 5.00 | 4.64 | 4.42 | 4.45 | |
| 29 | 4.13 | 10.58 | 10.44 | 8.55 | 7.63 | 13.43 | 15.05 | 7.37 | 4.98 | 4.65 | | 4.40 | |
| 30 | 4.18 | 10.19 | 10.77 | 8.37 | 8.15 | 13.67 | 15.02 | 7.84 | 4.96 | 4.55 | | 4.32 | |
| 31 | | 10.07 | | 8.24 | 8.65 | | 14.95 | | 4.95 | 4.38 | | 4.28 | |
| Mean | 3.95 | 5.83 | 8.77 | 8.54 | 7.32 | 11.65 | 14.86 | 11.67 | 5.71 | 4.71 | 4.43 | 4.48 | |
| Max | 4.18 | 10.60 | 10.77 | 10.79 | 8.68 | 13.67 | 15.13 | 14.89 | 7.30 | 4.85 | 4.58 | 4.70 | 15.13 |
| Min | 3.82 | 4.25 | 6.53 | 7.27 | 4.41 | 9.40 | 13.86 | 7.37 | 4.95 | 4.38 | 4.20 | 4.28 | 3.82 |

Annual Max Momentary Gage Height 15.14 m. (MSL.) , at 18.00 Hours , on Oct 20 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 2.43 m. (MSL.)

Left Bank Elevation 11.85 m. (MSL.) ,

Right Bank Elevation 13.59 m. (MSL.) , Drainage Are 118,510 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 138.83 | 160.43 | 1192.00 | 1442.50 | 711.50 | 1006.00 | 2734.00 | 3552.50 | 553.00 | 200.31 | 167.08 | 168.74 | | |
| 2 | 143.82 | 162.09 | 1198.00 | 1418.00 | 732.50 | 1099.00 | 2837.00 | 3344.60 | 470.00 | 199.48 | 171.23 | 168.74 | | |
| 3 | 141.32 | 201.97 | 1229.20 | 1313.00 | 738.80 | 1213.20 | 2916.20 | 3212.00 | 455.60 | 202.80 | 179.54 | 169.57 | | |
| 4 | 136.00 | 243.51 | 1180.00 | 1222.80 | 810.80 | 1355.00 | 2975.60 | 3172.00 | 444.40 | 201.97 | 170.40 | 169.57 | | |
| 5 | 124.00 | 221.08 | 1096.00 | 1183.00 | 808.40 | 1407.50 | 3076.00 | 3048.20 | 430.00 | 206.95 | 167.08 | 169.57 | | |
| 6 | 114.00 | 219.42 | 1006.00 | 1042.40 | 795.50 | 1453.60 | 3156.00 | 2955.80 | 414.00 | 191.17 | 169.57 | 173.72 | | |
| 7 | 114.00 | 230.22 | 967.00 | 868.40 | 825.20 | 1432.00 | 3228.00 | 2863.40 | 384.00 | 192.83 | 160.43 | 175.39 | | |
| 8 | 114.00 | 228.55 | 956.60 | 806.00 | 820.40 | 1372.50 | 3312.80 | 2684.00 | 324.00 | 192.00 | 167.91 | 172.89 | | |
| 9 | 108.00 | 184.52 | 887.60 | 722.00 | 795.50 | 1400.50 | 3418.80 | 2559.50 | 337.50 | 192.00 | 182.86 | 172.06 | | |
| 10 | 102.00 | 172.06 | 866.00 | 607.90 | 709.40 | 1457.40 | 3477.50 | 2451.50 | 321.00 | 192.83 | 182.86 | 170.40 | | |
| 11 | 104.00 | 161.26 | 793.40 | 568.30 | 580.20 | 1522.00 | 3552.50 | 2289.50 | 265.50 | 196.15 | 182.86 | 170.40 | | |
| 12 | 112.00 | 163.75 | 759.80 | 596.50 | 536.00 | 1556.20 | 3615.00 | 2217.50 | 222.74 | 200.31 | 182.03 | 170.40 | | |
| 13 | 112.00 | 163.75 | 551.30 | 564.90 | 422.00 | 1598.00 | 3724.00 | 2109.80 | 242.68 | 200.31 | 182.86 | 170.40 | | |
| 14 | 110.00 | 162.92 | 484.40 | 547.90 | 286.50 | 1677.80 | 3775.00 | 2046.80 | 243.51 | 200.31 | 185.35 | 195.32 | | |
| 15 | 110.00 | 162.92 | 426.80 | 581.90 | 172.06 | 1776.60 | 3826.00 | 1952.00 | 244.34 | 200.31 | 186.19 | 195.32 | | |
| 16 | 110.00 | 162.92 | 481.20 | 636.40 | 182.03 | 1836.00 | 3860.00 | 1872.00 | 237.69 | 200.31 | 185.35 | 193.66 | | |
| 17 | 132.00 | 161.26 | 559.80 | 613.60 | 192.00 | 1912.00 | 3877.00 | 1753.80 | 244.34 | 200.31 | 183.69 | 193.66 | | |
| 18 | 134.00 | 160.43 | 568.30 | 606.00 | 252.50 | 1944.00 | 3894.00 | 1594.20 | 268.10 | 198.65 | 182.86 | 196.15 | | |
| 19 | 128.00 | 163.75 | 561.50 | 581.90 | 384.00 | 1932.00 | 3894.00 | 1514.40 | 330.00 | 201.97 | 181.20 | 193.66 | | |
| 20 | 120.00 | 159.60 | 570.00 | 578.50 | 460.40 | 1940.00 | 3911.00 | 1453.60 | 336.00 | 208.62 | 163.75 | 179.54 | | |
| 21 | 124.00 | 158.77 | 583.60 | 644.00 | 502.00 | 1984.00 | 3911.00 | 1362.00 | 333.00 | 201.14 | 162.92 | 189.51 | | |
| 22 | 128.00 | 162.92 | 607.90 | 789.20 | 537.70 | 2063.60 | 3911.00 | 1219.60 | 309.00 | 200.31 | 162.09 | 195.32 | | |
| 23 | 128.00 | 237.69 | 691.50 | 780.80 | 534.30 | 2127.50 | 3894.00 | 1123.00 | 295.50 | 200.31 | 154.62 | 195.32 | | |
| 24 | 126.00 | 505.40 | 818.00 | 827.60 | 549.60 | 2240.00 | 3877.00 | 1020.00 | 282.40 | 201.97 | 168.74 | 178.71 | | |
| 25 | 134.00 | 705.20 | 998.20 | 935.80 | 606.00 | 2262.50 | 3877.00 | 912.40 | 279.80 | 206.95 | 173.72 | 175.39 | | |
| 26 | 142.15 | 1011.60 | 1274.00 | 956.60 | 630.70 | 2303.00 | 3877.00 | 789.20 | 231.88 | 192.83 | 173.72 | 174.55 | | |
| 27 | 138.83 | 1245.20 | 1290.00 | 935.80 | 630.70 | 2325.50 | 3860.00 | 757.70 | 221.08 | 192.00 | 167.91 | 175.39 | | |
| 28 | 147.14 | 1376.00 | 1293.20 | 815.60 | 621.20 | 2429.00 | 3826.00 | 670.60 | 221.08 | 191.17 | 172.89 | 175.39 | | |
| 29 | 148.80 | 1369.00 | 1320.00 | 795.50 | 611.70 | 2532.50 | 3775.00 | 564.90 | 219.42 | 192.00 | | 171.23 | | |
| 30 | 152.95 | 1238.80 | 1435.50 | 757.70 | 711.50 | 2640.50 | 3724.00 | 651.60 | 217.75 | 183.69 | | 164.59 | | |
| 31 | | 1201.00 | | 730.40 | 818.00 | | 3627.50 | | 216.92 | 169.57 | | 161.26 | | |
| Total | 3777.84 | 12857.99 | 26646.80 | 25470.90 | 17969.09 | 53799.40 | 111219.90 | 57718.10 | 9596.23 | 6111.53 | 4871.71 | 5525.82 | 335565.31 | CMSDAY |
| Mean | 125.93 | 414.77 | 888.23 | 821.64 | 579.65 | 1793.31 | 3587.74 | 1923.94 | 309.56 | 197.15 | 173.99 | 178.25 | 919.36 | CMS |
| Max | 152.95 | 1376.00 | 1435.50 | 1442.50 | 825.20 | 2640.50 | 3911.00 | 3552.50 | 553.00 | 208.62 | 186.19 | 196.15 | 3911.00 | CMS |
| Min | 102.00 | 158.77 | 426.80 | 547.90 | 172.06 | 1006.00 | 2734.00 | 564.90 | 216.92 | 169.57 | 154.62 | 161.26 | 102.00 | CMS |
| Runoff | 326.41 | 1110.93 | 2302.28 | 2200.69 | 1552.53 | 4648.27 | 9609.40 | 4986.84 | 829.11 | 528.04 | 420.92 | 477.43 | 28992.84 | MCM |

Momentary Peak 3928.00 CMS. at 15.14 m. (MSL.) at 18.00 Hours , on Oct 20 , 2006

Runoff Yield 7.76 Liters/Second/Square KM. Momentary Peak Yield 33.14 Liters/Second/Square KM.

## WATER YEAR : 2006

## SAKAE KRANG RIVER BASIN

### Nam Mae Wong at Ban San Chao Kai To, Nakhon Sawan (Ct.4)

Lat 15 - 47 - 01 N Long 99 - 40 - 55 E

**Location : on left bank at Ban San Chao Kai To.**

| | | | |
|---|---|---|---|
| | **Ban** San Chao Kai To | **Amphoe** Lat Yao | **Changwat** Nakhon Sawan |
| **Drainge Area** | 1,386 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +65.880 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the bridge. | | **Elevation** +72.250 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1987 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1987 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1987 to date | | |
| **Stability of Channel Regimes** | Fairly stable | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 10 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

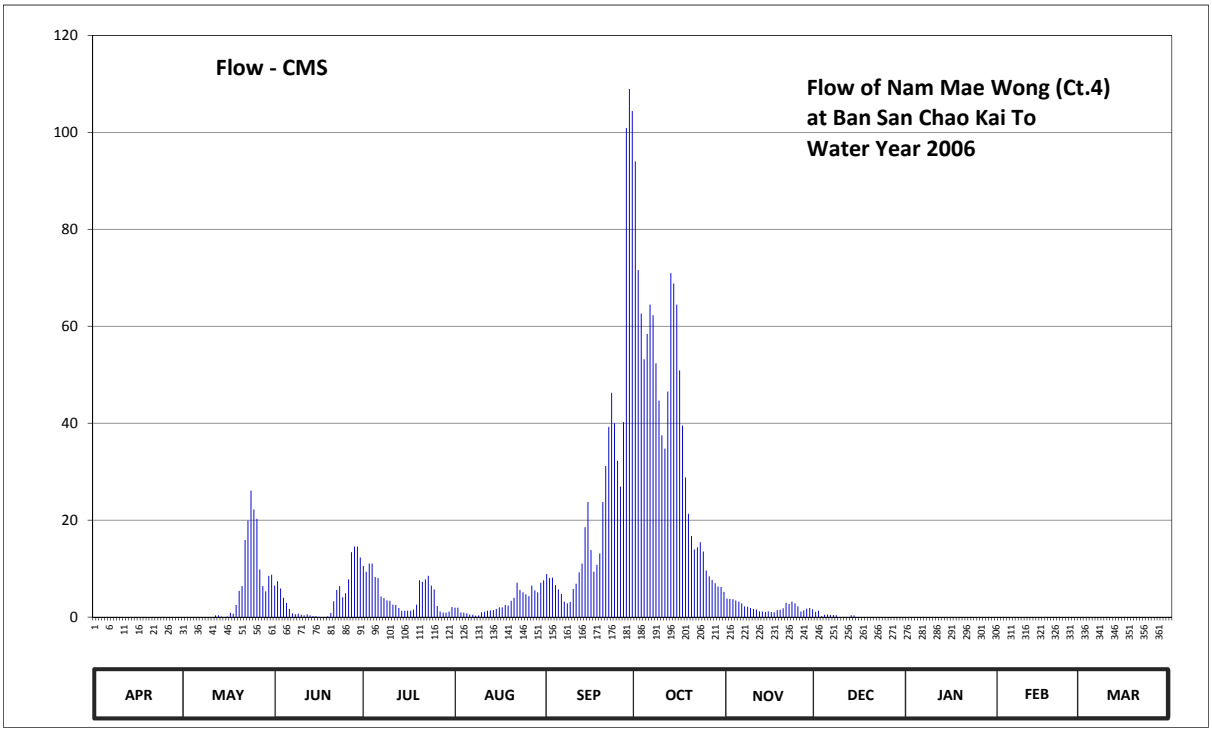
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 65.74 | 65.74 | 66.97 | 67.33 | 66.42 | 67.19 | 70.68 | 66.68 | 66.27 | 65.74 | 65.74 | 65.74 | |
| 2 | 65.74 | 65.74 | 67.06 | 67.23 | 66.42 | 67.12 | 70.00 | 66.67 | 66.32 | 65.74 | 65.74 | 65.74 | |
| 3 | 65.74 | 65.74 | 66.91 | 67.37 | 66.24 | 67.13 | 69.71 | 66.66 | 66.05 | 65.74 | 65.74 | 65.74 | |
| 4 | 65.74 | 65.74 | 66.70 | 67.37 | 66.23 | 66.98 | 69.39 | 66.63 | 66.12 | 65.74 | 65.74 | 65.74 | |
| 5 | 65.74 | 65.74 | 66.56 | 67.14 | 66.20 | 66.89 | 69.57 | 66.60 | 66.13 | 65.74 | 65.74 | 65.74 | |
| 6 | 65.74 | 65.74 | 66.38 | 67.12 | 66.13 | 66.80 | 69.77 | 66.55 | 66.11 | 65.74 | 65.74 | 65.74 | |
| 7 | 65.74 | 65.74 | 66.20 | 66.73 | 66.12 | 66.60 | 69.70 | 66.46 | 66.11 | 65.74 | 65.74 | 65.74 | |
| 8 | 65.74 | 65.74 | 66.15 | 66.69 | 66.07 | 66.55 | 69.36 | 66.45 | 66.10 | 65.74 | 65.74 | 65.74 | |
| 9 | 65.74 | 65.74 | 66.18 | 66.63 | 66.09 | 66.59 | 69.08 | 66.41 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 10 | 65.74 | 65.74 | 66.12 | 66.62 | 66.25 | 66.90 | 68.80 | 66.38 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 11 | 65.74 | 65.74 | 66.09 | 66.51 | 66.28 | 67.01 | 68.69 | 66.36 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 12 | 65.74 | 66.09 | 66.14 | 66.50 | 66.32 | 67.22 | 69.15 | 66.30 | 65.98 | 65.74 | 65.74 | 65.74 | |
| 13 | 65.74 | 66.09 | 66.09 | 66.41 | 66.33 | 67.37 | 69.98 | 66.29 | 66.10 | 65.74 | 65.74 | 65.74 | |
| 14 | 65.74 | 66.03 | 66.06 | 66.32 | 66.34 | 67.88 | 69.91 | 66.27 | 66.09 | 65.74 | 65.74 | 65.74 | |
| 15 | 65.74 | 66.00 | 66.05 | 66.32 | 66.38 | 68.17 | 69.77 | 66.30 | 65.92 | 65.74 | 65.74 | 65.74 | |
| 16 | 65.74 | 66.03 | 66.02 | 66.32 | 66.43 | 67.58 | 69.31 | 66.26 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 17 | 65.74 | 66.22 | 65.99 | 66.32 | 66.43 | 67.23 | 68.88 | 66.25 | 65.99 | 65.74 | 65.74 | 65.74 | |
| 18 | 65.74 | 66.17 | 65.98 | 66.36 | 66.50 | 67.35 | 68.42 | 66.34 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 19 | 65.74 | 66.50 | 66.04 | 66.51 | 66.48 | 67.53 | 68.04 | 66.35 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 20 | 65.74 | 66.86 | 66.21 | 67.08 | 66.62 | 68.17 | 67.77 | 66.40 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 21 | 65.74 | 66.96 | 66.61 | 67.05 | 66.70 | 68.53 | 67.59 | 66.56 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 22 | 65.74 | 67.72 | 66.88 | 67.10 | 67.03 | 68.87 | 67.62 | 66.53 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 23 | 65.74 | 67.96 | 66.96 | 67.16 | 66.88 | 69.14 | 67.69 | 66.60 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 24 | 65.74 | 68.29 | 66.71 | 66.97 | 66.83 | 68.90 | 67.56 | 66.55 | 65.97 | 65.74 | 65.74 | 65.74 | |
| 25 | 65.74 | 68.09 | 66.81 | 66.89 | 66.79 | 68.58 | 67.25 | 66.46 | 65.96 | 65.74 | 65.74 | 65.74 | |
| 26 | 65.74 | 67.98 | 67.10 | 66.47 | 66.74 | 68.33 | 67.15 | 66.29 | 65.96 | 65.74 | 65.74 | 65.74 | |
| 27 | 65.74 | 67.27 | 67.55 | 66.29 | 66.97 | 68.91 | 67.09 | 66.33 | 65.96 | 65.74 | 65.74 | 65.74 | |
| 28 | 65.74 | 66.96 | 67.63 | 66.23 | 66.87 | 70.88 | 67.02 | 66.39 | 65.96 | 65.74 | 65.74 | 65.74 | |
| 29 | 65.74 | 66.85 | 67.63 | 66.23 | 66.83 | 71.11 | 66.95 | 66.41 | 65.96 | 65.74 | | 65.74 | |
| 30 | 65.74 | 67.16 | 67.47 | 66.29 | 67.03 | 70.98 | 66.94 | 66.37 | 65.96 | 65.74 | | 65.74 | |
| 31 | | 67.18 | | 66.44 | 67.08 | | 66.84 | | 65.96 | 65.74 | | 65.74 | |
| Mean | 65.74 | 66.50 | 66.57 | 66.71 | 66.52 | 67.95 | 68.57 | 66.44 | 66.02 | 65.74 | 65.74 | 65.74 | |
| Max | 65.74 | 68.29 | 67.63 | 67.37 | 67.08 | 71.11 | 70.68 | 66.68 | 66.32 | 65.74 | 65.74 | 65.74 | 71.11 |
| Min | 65.74 | 65.74 | 65.98 | 66.23 | 66.07 | 66.55 | 66.84 | 66.25 | 65.92 | 65.74 | 65.74 | 65.74 | 65.74 |

Annual Max Momentary Gage Height 71.13 m. (MSL.) , at 06.00 Hours , on Sep 29 , 2006

Zero Gage at Bottom Elevation 65.88 m. (MSL.) , River Bed 65.74 m. (MSL.)

Left Bank Elevation 72.18 m. (MSL.) ,

Right Bank Elevation 72.19 m. (MSL.) , Drainage Are 1,386 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 6.50 | 10.56 | 1.94 | 8.88 | 94.02 | 3.84 | 1.08 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 7.40 | 9.36 | 1.94 | 8.04 | 71.60 | 3.76 | 1.32 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 5.90 | 11.04 | 0.96 | 8.16 | 62.61 | 3.68 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 4.00 | 11.04 | 0.92 | 6.60 | 53.21 | 3.44 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 2.92 | 8.28 | 0.80 | 5.70 | 58.43 | 3.20 | 0.52 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 1.68 | 8.04 | 0.52 | 4.80 | 64.47 | 2.85 | 0.44 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.80 | 4.24 | 0.48 | 3.20 | 62.30 | 2.22 | 0.44 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.60 | 3.92 | 0.28 | 2.85 | 52.34 | 2.15 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.72 | 3.44 | 0.36 | 3.13 | 44.66 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.48 | 3.36 | 1.00 | 5.80 | 37.50 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.36 | 2.57 | 1.12 | 6.90 | 34.77 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.36 | 0.56 | 2.50 | 1.32 | 9.24 | 46.55 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.36 | 0.36 | 1.87 | 1.38 | 11.04 | 70.98 | 1.16 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.12 | 0.24 | 1.32 | 1.44 | 18.56 | 68.81 | 1.08 | 0.36 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.20 | 1.32 | 1.68 | 23.73 | 64.47 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.12 | 0.08 | 1.32 | 2.01 | 13.82 | 50.89 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.88 | 0.00 | 1.32 | 2.01 | 9.36 | 39.50 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.68 | 0.00 | 1.56 | 2.50 | 10.80 | 28.82 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 2.50 | 0.16 | 2.57 | 2.36 | 13.12 | 21.32 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 5.40 | 0.84 | 7.60 | 3.36 | 23.73 | 16.72 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 6.40 | 3.28 | 7.30 | 4.00 | 31.16 | 13.96 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 15.92 | 5.60 | 7.80 | 7.10 | 39.25 | 14.40 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 19.92 | 6.40 | 8.52 | 5.60 | 46.28 | 15.45 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 26.10 | 4.08 | 6.50 | 5.10 | 40.00 | 13.54 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 22.22 | 4.90 | 5.70 | 4.72 | 32.26 | 9.60 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 20.26 | 7.80 | 2.29 | 4.32 | 26.93 | 8.40 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 9.84 | 13.40 | 1.16 | 6.50 | 40.25 | 7.70 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 6.40 | 14.55 | 0.92 | 5.50 | 100.90 | 7.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 5.30 | 14.55 | 0.92 | 5.10 | 108.95 | 6.30 | 1.87 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 8.52 | 12.31 | 1.16 | 7.10 | 104.40 | 6.20 | 1.62 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 8.76 | | 2.08 | 7.60 | | 5.20 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 160.06 | 120.67 | 141.58 | 91.02 | 767.84 | 1151.72 | 63.34 | 5.64 | 0.00 | 0.00 | 0.00 | 2501.87 | CMSDAY |
| Mean | 0.00 | 5.16 | 4.02 | 4.57 | 2.94 | 25.59 | 37.15 | 2.11 | 0.18 | 0.00 | 0.00 | 0.00 | 6.85 | CMS |
| Max | 0.00 | 26.10 | 14.55 | 11.04 | 7.60 | 108.95 | 94.02 | 3.84 | 1.32 | 0.00 | 0.00 | 0.00 | 108.95 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.92 | 0.28 | 2.85 | 5.20 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 13.83 | 10.43 | 12.23 | 7.86 | 66.34 | 99.51 | 5.47 | 0.49 | 0.00 | 0.00 | 0.00 | 216.16 | MCM |

Momentary Peak 109.65 CMS. at 71.13 m. (MSL.) at 06.00 Hours , on Sep 29, 2006

Runoff Yield 4.95 Liters/Second/Square KM. Momentary Peak Yield 79.11 Liters/Second/Square KM.

## WATER YEAR : 2006

## SAKAE KRANG RIVER BASIN

### Nam Mae Wong at Ban Pang Makha, Kamphaeng Phet (Ct.5A)

Lat 15 - 55 - 33 N Long 99 - 30 - 22 E

**Location : on left bank behind Wat Pang Makha.**

**Ban** Pang Makha **Amphoe** Khanu Woralaksaburi **Changwat** Kamphaeng Phet

| | |
|---|---|
| **Drainge Area** | 977 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +102.480 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | In front of the station office **Elevation** +108.090 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1969 to date |
| **Rating Operation** | |
| **Period of Rating** | 1969 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1969 to date |
| **Stability of Channel Regimes** | Fairly stable |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow effected by the local weir above gage site estimated by recession equation. Stage-discharge relation defined by 54 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

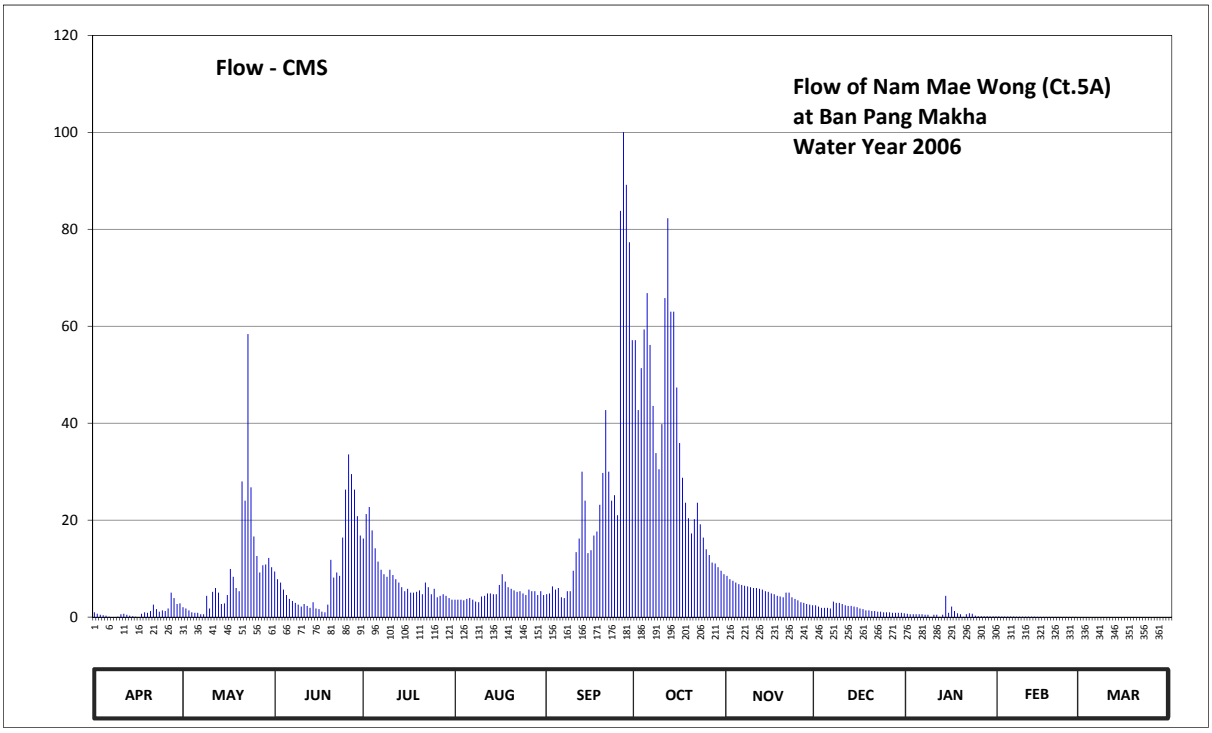
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 102.60 | 102.68 | 103.15 | 103.50 | 102.80 | 102.87 | 105.06 | 103.10 | 102.71 | 102.57 | 102.82 | 102.73 | |
| 2 | 102.57 | 102.66 | 103.06 | 103.74 | 102.80 | 102.88 | 104.59 | 103.06 | 102.69 | 102.56 | 102.80 | 102.75 | |
| 3 | 102.55 | 102.63 | 103.02 | 103.81 | 102.80 | 102.97 | 104.88 | 103.04 | 102.67 | 102.56 | 102.80 | 102.76 | |
| 4 | 102.54 | 102.60 | 102.93 | 103.58 | 102.79 | 102.93 | 105.13 | 103.02 | 102.67 | 102.56 | 102.80 | 102.76 | |
| 5 | 102.53 | 102.59 | 102.86 | 103.40 | 102.81 | 102.95 | 105.35 | 103.00 | 102.67 | 102.56 | 102.80 | 102.72 | |
| 6 | 102.51 | 102.59 | 102.81 | 103.26 | 102.82 | 102.83 | 105.03 | 102.99 | 102.66 | 102.56 | 102.82 | 102.70 | |
| 7 | 102.50 | 102.56 | 102.78 | 103.17 | 102.80 | 102.82 | 104.62 | 102.98 | 102.77 | 102.55 | 102.81 | 102.68 | |
| 8 | 102.50 | 102.56 | 102.75 | 103.12 | 102.77 | 102.91 | 104.27 | 102.97 | 102.75 | 102.55 | 102.81 | 102.67 | |
| 9 | 102.51 | 102.85 | 102.72 | 103.09 | 102.76 | 102.91 | 104.14 | 102.96 | 102.75 | 102.55 | 102.80 | 102.67 | |
| 10 | 102.56 | 102.66 | 102.69 | 103.17 | 102.84 | 103.16 | 104.49 | 102.95 | 102.73 | 102.55 | 102.80 | 102.67 | |
| 11 | 102.57 | 102.90 | 102.73 | 103.11 | 102.85 | 103.36 | 105.32 | 102.95 | 102.71 | 102.55 | 102.80 | 102.66 | |
| 12 | 102.55 | 102.95 | 102.70 | 103.06 | 102.88 | 103.50 | 105.76 | 102.94 | 102.70 | 102.55 | 102.76 | 102.64 | |
| 13 | 102.53 | 102.89 | 102.67 | 103.02 | 102.88 | 104.12 | 105.24 | 102.93 | 102.70 | 102.55 | 102.76 | 102.64 | |
| 14 | 102.52 | 102.73 | 102.76 | 102.96 | 102.87 | 103.87 | 105.24 | 102.91 | 102.69 | 102.55 | 102.76 | 102.66 | |
| 15 | 102.51 | 102.74 | 102.66 | 102.91 | 102.87 | 103.35 | 104.75 | 102.90 | 102.68 | 102.59 | 102.76 | 102.66 | |
| 16 | 102.50 | 102.86 | 102.65 | 102.94 | 102.99 | 103.38 | 104.35 | 102.88 | 102.66 | 102.69 | 102.76 | 102.66 | |
| 17 | 102.57 | 103.18 | 102.61 | 102.89 | 103.12 | 103.53 | 104.07 | 102.87 | 102.65 | 102.62 | 102.76 | 102.74 | |
| 18 | 102.60 | 103.09 | 102.60 | 102.89 | 103.03 | 103.57 | 103.85 | 102.85 | 102.63 | 102.58 | 102.74 | 102.72 | |
| 19 | 102.59 | 102.95 | 102.72 | 102.90 | 102.96 | 103.83 | 103.70 | 102.84 | 102.63 | 102.56 | 102.74 | 102.72 | |
| 20 | 102.62 | 102.91 | 103.28 | 102.92 | 102.94 | 104.11 | 103.55 | 102.83 | 102.62 | 102.56 | 102.74 | 102.77 | |
| 21 | 102.72 | 104.04 | 103.08 | 102.87 | 102.92 | 104.59 | 103.69 | 102.89 | 102.62 | 102.56 | 102.73 | 102.77 | |
| 22 | 102.65 | 103.87 | 103.14 | 103.02 | 102.90 | 104.12 | 103.85 | 102.89 | 102.61 | 102.58 | 102.72 | 102.87 | |
| 23 | 102.61 | 105.10 | 103.10 | 102.96 | 102.91 | 103.87 | 103.64 | 102.83 | 102.61 | 102.57 | 102.72 | 102.85 | |
| 24 | 102.63 | 103.99 | 103.51 | 102.87 | 102.88 | 103.92 | 103.51 | 102.81 | 102.60 | 102.53 | 102.70 | 102.76 | |
| 25 | 102.62 | 103.52 | 103.97 | 102.94 | 102.86 | 103.73 | 103.39 | 102.79 | 102.60 | 102.52 | 102.70 | 102.71 | |
| 26 | 102.66 | 103.32 | 104.26 | 102.83 | 102.93 | 105.80 | 103.33 | 102.76 | 102.60 | 102.54 | 102.70 | 102.68 | |
| 27 | 102.89 | 103.14 | 104.10 | 102.85 | 102.91 | 106.21 | 103.25 | 102.75 | 102.59 | 102.75 | 102.69 | 102.68 | |
| 28 | 102.82 | 103.22 | 103.97 | 102.87 | 102.91 | 105.94 | 103.24 | 102.73 | 102.59 | 102.88 | 102.69 | 102.67 | |
| 29 | 102.73 | 103.23 | 103.72 | 102.85 | 102.86 | 105.63 | 103.20 | 102.72 | 102.59 | 102.83 | | 102.63 | |
| 30 | 102.74 | 103.30 | 103.53 | 102.82 | 102.91 | 105.06 | 103.16 | 102.71 | 102.59 | 102.82 | | 102.63 | |
| 31 | | 103.20 | | 102.80 | 102.86 | | 103.12 | | 102.58 | 102.82 | | 102.66 | |
| Mean | 102.60 | 103.08 | 103.08 | 103.07 | 102.88 | 103.82 | 104.22 | 102.89 | 102.66 | 102.61 | 102.76 | 102.71 | |
| Max | 102.89 | 105.10 | 104.26 | 103.81 | 103.12 | 106.21 | 105.76 | 103.10 | 102.77 | 102.88 | 102.82 | 102.87 | 106.21 |
| Min | 102.50 | 102.56 | 102.60 | 102.80 | 102.76 | 102.82 | 103.12 | 102.71 | 102.58 | 102.52 | 102.69 | 102.63 | 102.50 |

Annual Max Momentary Gage Height 107.08 m. (MSL.) , at 18.00 Hours , on Sep 26 , 2006

Zero Gage at Bottom Elevation 102.48 m. (MSL.) , River Bed 102.05 m. (MSL.)

Left Bank Elevation 107.70 m. (MSL.) ,

Right Bank Elevation 108.01 m. (MSL.) , Drainage Are 977 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.00 | 2.04 | 9.40 | 16.20 | 3.60 | 4.72 | 57.12 | 8.50 | 2.43 | 0.70 | 0.15 | 0.04 | | |
| 2 | 0.70 | 1.78 | 7.82 | 21.24 | 3.60 | 4.88 | 42.71 | 7.82 | 2.17 | 0.60 | 0.14 | 0.04 | | |
| 3 | 0.50 | 1.39 | 7.14 | 22.72 | 3.60 | 6.32 | 51.36 | 7.48 | 1.91 | 0.60 | 0.13 | 0.04 | | |
| 4 | 0.40 | 1.00 | 5.68 | 17.88 | 3.47 | 5.68 | 59.36 | 7.14 | 1.91 | 0.60 | 0.13 | 0.04 | | |
| 5 | 0.30 | 0.90 | 4.56 | 14.20 | 3.76 | 6.00 | 66.85 | 6.80 | 1.91 | 0.60 | 0.12 | 0.04 | | |
| 6 | 0.10 | 0.90 | 3.76 | 11.44 | 3.92 | 4.08 | 56.16 | 6.64 | 1.78 | 0.60 | 0.12 | 0.03 | | |
| 7 | 0.00 | 0.60 | 3.34 | 9.76 | 3.60 | 3.92 | 43.58 | 6.48 | 3.21 | 0.50 | 0.11 | 0.03 | | |
| 8 | 0.00 | 0.60 | 2.95 | 8.86 | 3.21 | 5.36 | 33.82 | 6.32 | 2.95 | 0.50 | 0.11 | 0.03 | | |
| 9 | 0.10 | 4.40 | 2.56 | 8.33 | 3.08 | 5.36 | 30.50 | 6.16 | 2.95 | 0.05 | 0.10 | 0.03 | | |
| 10 | 0.60 | 1.78 | 2.17 | 9.76 | 4.24 | 9.58 | 39.81 | 6.00 | 2.69 | 0.50 | 0.10 | 0.03 | | |
| 11 | 0.70 | 5.20 | 2.69 | 8.68 | 4.40 | 13.40 | 65.80 | 6.00 | 2.43 | 0.50 | 0.09 | 0.03 | | |
| 12 | 0.50 | 6.00 | 2.30 | 7.82 | 4.88 | 16.20 | 82.28 | 5.84 | 2.30 | 0.05 | 0.09 | 0.03 | | |
| 13 | 0.30 | 5.04 | 1.91 | 7.14 | 4.88 | 30.00 | 63.00 | 5.68 | 2.30 | 0.50 | 0.09 | 0.03 | | |
| 14 | 0.20 | 2.69 | 3.08 | 6.16 | 4.72 | 24.04 | 63.00 | 5.36 | 2.17 | 4.40 | 0.08 | 0.02 | | |
| 15 | 0.10 | 2.82 | 1.78 | 5.36 | 4.72 | 13.20 | 47.35 | 5.20 | 2.04 | 0.90 | 0.08 | 0.02 | | |
| 16 | 0.00 | 4.56 | 1.65 | 5.84 | 6.64 | 13.80 | 35.90 | 4.88 | 1.78 | 2.17 | 0.08 | 0.02 | | |
| 17 | 0.70 | 9.94 | 1.13 | 5.04 | 8.86 | 16.83 | 28.75 | 4.72 | 1.65 | 1.26 | 0.07 | 0.02 | | |
| 18 | 1.00 | 8.33 | 1.00 | 5.04 | 7.31 | 17.67 | 23.60 | 4.40 | 1.39 | 0.80 | 0.07 | 0.02 | | |
| 19 | 0.90 | 6.00 | 2.56 | 5.20 | 6.16 | 23.16 | 20.40 | 4.24 | 1.39 | 0.60 | 0.07 | 0.02 | | |
| 20 | 1.26 | 5.36 | 11.82 | 5.52 | 5.84 | 29.75 | 17.25 | 4.08 | 1.26 | 0.06 | 0.06 | 0.02 | | |
| 21 | 2.56 | 28.00 | 8.16 | 4.72 | 5.52 | 42.71 | 20.19 | 5.04 | 1.26 | 0.60 | 0.06 | 0.02 | | |
| 22 | 1.65 | 24.04 | 9.22 | 7.14 | 5.20 | 30.00 | 23.60 | 5.04 | 1.13 | 0.80 | 0.06 | 0.02 | | |
| 23 | 1.13 | 58.40 | 8.50 | 6.16 | 5.36 | 24.04 | 19.14 | 4.08 | 1.13 | 0.70 | 0.06 | 0.02 | | |
| 24 | 1.39 | 26.77 | 16.41 | 4.72 | 4.88 | 25.16 | 16.41 | 3.76 | 1.00 | 0.30 | 0.05 | 0.02 | | |
| 25 | 1.26 | 16.62 | 26.31 | 5.84 | 4.56 | 21.03 | 14.00 | 3.47 | 1.00 | 0.20 | 0.05 | 0.01 | | |
| 26 | 1.78 | 12.60 | 33.56 | 4.08 | 5.68 | 83.80 | 12.80 | 3.08 | 1.00 | 0.19 | 0.05 | 0.01 | | |
| 27 | 5.04 | 9.22 | 29.50 | 4.40 | 5.36 | 100.03 | 11.25 | 2.95 | 0.90 | 0.18 | 0.05 | 0.01 | | |
| 28 | 3.92 | 10.68 | 26.31 | 4.72 | 5.36 | 89.20 | 11.06 | 2.69 | 0.90 | 0.18 | 0.04 | 0.01 | | |
| 29 | 2.69 | 10.87 | 20.82 | 4.40 | 4.56 | 77.34 | 10.30 | 2.56 | 0.90 | 0.17 | | 0.01 | | |
| 30 | 2.82 | 12.20 | 16.83 | 3.92 | 5.36 | 57.12 | 9.58 | 2.43 | 0.90 | 0.16 | | 0.01 | | |
| 31 | | 10.30 | | 3.60 | 4.56 | | 8.86 | | 0.80 | 0.15 | | 0.01 | | |
| Total | 33.60 | 291.03 | 274.92 | 255.89 | 150.89 | 804.38 | 1085.79 | 154.84 | 53.54 | 20.12 | 2.41 | 0.73 | 3128.14 | CMSDAY |
| Mean | 1.12 | 9.39 | 9.16 | 8.25 | 4.87 | 26.81 | 35.03 | 5.16 | 1.73 | 0.65 | 0.09 | 0.02 | 8.57 | CMS |
| Max | 5.04 | 58.40 | 33.56 | 22.72 | 8.86 | 100.03 | 82.28 | 8.50 | 3.21 | 4.40 | 0.15 | 0.04 | 100.03 | CMS |
| Min | 0.00 | 0.60 | 1.00 | 3.60 | 3.08 | 3.92 | 8.86 | 2.43 | 0.80 | 0.05 | 0.04 | 0.01 | 0.00 | CMS |
| Runoff | 2.90 | 25.14 | 23.75 | 22.11 | 13.04 | 69.50 | 93.81 | 13.38 | 4.63 | 1.74 | 0.21 | 0.06 | 270.27 | MCM |

Momentary Peak 138.20 CMS. at 107.08 m. (MSL.) at 18.00 Hours , on Sep 26, 2006

Runoff Yield 9.14 Liters/Second/Square KM. Momentary Peak Yield 147.33 Liters/Second/Square KM.

## WATER YEAR : 2006

## SAKAE KRANG RIVER BASIN

### Nam Mae Wong at Ban Khao Chon Kan, Nakhon Sawan (Ct.5B)

Lat 15 - 54 - 11 N Long 99 - 27 - 37 E

**Location : on left bank 8 kilometers upstream from Ct.5A, Tambon Mae Lay.**

**Ban** Khao Chon Kan **Amphoe** Lat Yao **Changwat** Nakhon Sawan

| | |
|---|---|
| **Drainge Area** | 930 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +103.410 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the bridge. **Elevation** +116.583 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1988 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1988 to date |
| **Stability of Channel Regimes** | Fairly stable |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the local weir above gage site estimated by recession equation. Stage-discharge relation defined by 31 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

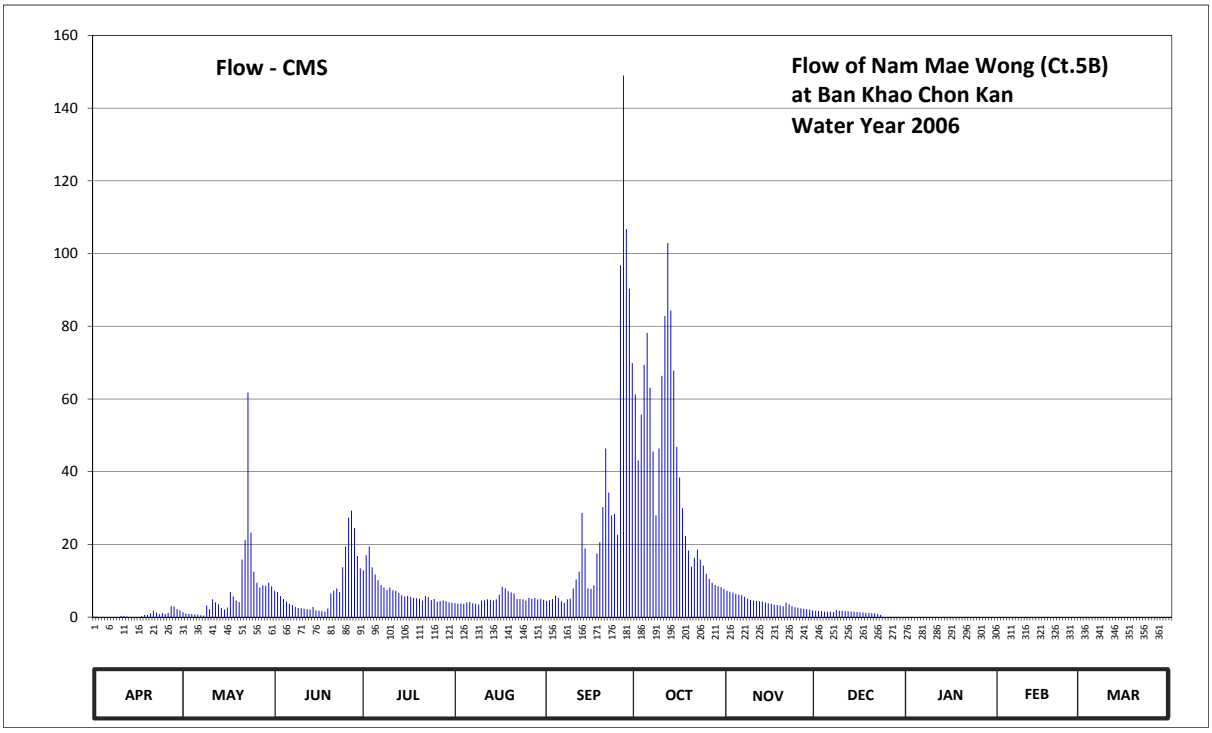
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 107.92 | 108.10 | 108.71 | 109.08 | 108.40 | 108.46 | 110.47 | 108.71 | 108.16 | 107.86 | 107.88 | 108.27 | |
| 2 | 107.92 | 108.05 | 108.68 | 109.26 | 108.39 | 108.48 | 110.05 | 108.69 | 108.15 | 107.86 | 107.88 | 108.36 | |
| 3 | 107.91 | 108.04 | 108.59 | 109.35 | 108.39 | 108.51 | 110.35 | 108.67 | 108.14 | 107.85 | 107.87 | 108.33 | |
| 4 | 107.91 | 108.03 | 108.51 | 109.12 | 108.38 | 108.60 | 110.64 | 108.64 | 108.13 | 107.85 | 107.87 | 108.31 | |
| 5 | 107.90 | 108.02 | 108.44 | 109.02 | 108.42 | 108.54 | 110.81 | 108.62 | 108.12 | 107.84 | 108.83 | 108.27 | |
| 6 | 107.89 | 108.01 | 108.38 | 108.93 | 108.43 | 108.45 | 110.51 | 108.61 | 108.12 | 107.84 | 108.82 | 108.24 | |
| 7 | 107.88 | 107.99 | 108.35 | 108.84 | 108.40 | 108.41 | 110.11 | 108.57 | 108.11 | 107.83 | 108.82 | 108.21 | |
| 8 | 107.88 | 107.97 | 108.30 | 108.78 | 108.38 | 108.50 | 109.63 | 108.52 | 108.18 | 107.98 | 108.81 | 108.21 | |
| 9 | 107.88 | 108.34 | 108.26 | 108.73 | 108.36 | 108.52 | 110.13 | 108.49 | 108.15 | 107.96 | 108.56 | 108.21 | |
| 10 | 107.95 | 108.22 | 108.25 | 108.78 | 108.47 | 108.76 | 110.58 | 108.47 | 108.15 | 107.95 | 108.39 | 108.21 | |
| 11 | 107.95 | 108.50 | 108.23 | 108.72 | 108.48 | 108.94 | 110.90 | 108.46 | 108.14 | 107.95 | 108.39 | 108.21 | |
| 12 | 107.93 | 108.42 | 108.22 | 108.71 | 108.50 | 109.06 | 111.25 | 108.45 | 108.14 | 107.94 | 108.38 | 108.21 | |
| 13 | 107.91 | 108.37 | 108.20 | 108.66 | 108.49 | 109.65 | 110.93 | 108.44 | 108.13 | 107.94 | 108.38 | 108.21 | |
| 14 | 107.90 | 108.26 | 108.30 | 108.61 | 108.47 | 109.33 | 110.61 | 108.42 | 108.12 | 107.93 | 108.37 | 108.20 | |
| 15 | 107.89 | 108.20 | 108.17 | 108.58 | 108.50 | 108.76 | 110.14 | 108.40 | 108.11 | 107.92 | 108.34 | 108.20 | |
| 16 | 107.88 | 108.28 | 108.16 | 108.59 | 108.62 | 108.75 | 109.93 | 108.38 | 108.10 | 107.91 | 108.33 | 108.20 | |
| 17 | 107.94 | 108.68 | 108.14 | 108.57 | 108.80 | 108.83 | 109.69 | 108.36 | 108.09 | 107.91 | 108.31 | 108.19 | |
| 18 | 108.00 | 108.58 | 108.12 | 108.54 | 108.76 | 109.28 | 109.45 | 108.35 | 108.08 | 107.90 | 108.29 | 108.19 | |
| 19 | 108.00 | 108.47 | 108.24 | 108.53 | 108.70 | 109.39 | 109.31 | 108.34 | 108.08 | 107.90 | 108.27 | 108.19 | |
| 20 | 108.06 | 108.43 | 108.65 | 108.52 | 108.67 | 109.70 | 109.13 | 108.32 | 108.07 | 107.90 | 108.25 | 108.20 | |
| 21 | 108.16 | 109.21 | 108.71 | 108.47 | 108.65 | 110.13 | 109.23 | 108.41 | 108.06 | 107.89 | 108.23 | 108.18 | |
| 22 | 108.09 | 109.41 | 108.76 | 108.59 | 108.51 | 109.82 | 109.32 | 108.37 | 108.04 | 107.89 | 108.23 | 108.31 | |
| 23 | 108.03 | 110.48 | 108.68 | 108.56 | 108.51 | 109.63 | 109.21 | 108.32 | 108.00 | 107.89 | 108.22 | 108.29 | |
| 24 | 108.07 | 109.48 | 109.12 | 108.48 | 108.50 | 109.64 | 109.14 | 108.29 | 107.96 | 107.88 | 108.22 | 108.27 | |
| 25 | 108.04 | 109.06 | 109.35 | 108.51 | 108.47 | 109.46 | 109.03 | 108.27 | 107.90 | 107.88 | 108.22 | 108.26 | |
| 26 | 108.08 | 108.89 | 109.61 | 108.44 | 108.54 | 111.15 | 108.95 | 108.25 | 107.89 | 107.87 | 108.21 | 108.24 | |
| 27 | 108.32 | 108.78 | 109.67 | 108.46 | 108.52 | 111.93 | 108.89 | 108.23 | 107.88 | 107.87 | 108.21 | 108.23 | |
| 28 | 108.31 | 108.83 | 109.52 | 108.47 | 108.54 | 111.31 | 108.84 | 108.22 | 107.88 | 107.89 | 108.21 | 108.22 | |
| 29 | 108.22 | 108.82 | 109.25 | 108.45 | 108.50 | 111.04 | 108.81 | 108.20 | 107.88 | 107.89 | | 108.21 | |
| 30 | 108.17 | 108.89 | 109.11 | 108.42 | 108.52 | 110.65 | 108.79 | 108.17 | 107.87 | 107.89 | | 108.22 | |
| 31 | | 108.81 | | 108.41 | 108.49 | | 108.75 | | 107.87 | 107.88 | | 108.24 | |
| Mean | 108.00 | 108.57 | 108.62 | 108.68 | 108.51 | 109.39 | 109.79 | 108.42 | 108.05 | 107.89 | 108.31 | 108.24 | |
| Max | 108.32 | 110.48 | 109.67 | 109.35 | 108.80 | 111.93 | 111.25 | 108.71 | 108.18 | 107.98 | 108.83 | 108.36 | 111.93 |
| Min | 107.88 | 107.97 | 108.12 | 108.41 | 108.36 | 108.41 | 108.75 | 108.17 | 107.87 | 107.83 | 107.87 | 108.18 | 107.83 |

Annual Max Momentary Gage Height 112.81 m. (MSL.) , at 18.00 Hours , on Sep 26 , 2006

Zero Gage at Bottom Elevation 103.41 m. (MSL.) , River Bed 107.86 m. (MSL.)

Left Bank Elevation 116.86 m. (MSL.) ,

Right Bank Elevation 116.58 m. (MSL.) , Drainage Are 930 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.12 | 1.33 | 7.26 | 12.84 | 3.83 | 4.45 | 61.28 | 7.26 | 1.77 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.12 | 0.97 | 6.89 | 17.04 | 3.73 | 4.66 | 43.07 | 7.01 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.06 | 0.89 | 5.80 | 19.45 | 3.73 | 4.97 | 55.72 | 6.76 | 1.63 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.06 | 0.82 | 4.97 | 13.68 | 3.63 | 5.90 | 69.37 | 6.39 | 1.55 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.75 | 4.25 | 11.76 | 4.04 | 5.28 | 78.17 | 6.15 | 1.48 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.67 | 3.63 | 10.14 | 4.14 | 4.35 | 63.13 | 6.02 | 1.48 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.54 | 3.32 | 8.86 | 3.83 | 3.94 | 45.55 | 5.59 | 1.41 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.42 | 2.80 | 8.12 | 3.63 | 4.87 | 28.00 | 5.07 | 1.92 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 3.21 | 2.51 | 7.50 | 3.42 | 5.07 | 46.37 | 4.76 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.30 | 2.21 | 2.43 | 8.12 | 4.56 | 7.87 | 66.37 | 4.56 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.30 | 4.87 | 2.29 | 7.38 | 4.66 | 10.32 | 82.83 | 4.45 | 1.63 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.18 | 4.04 | 2.21 | 7.26 | 4.87 | 12.48 | 102.90 | 4.35 | 1.63 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.06 | 3.52 | 2.07 | 6.64 | 4.76 | 28.65 | 84.38 | 4.25 | 1.55 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 2.51 | 2.80 | 6.02 | 4.56 | 18.87 | 67.82 | 4.04 | 1.48 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 2.07 | 1.85 | 5.69 | 4.87 | 7.87 | 46.79 | 3.83 | 1.41 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 2.65 | 1.77 | 5.80 | 6.15 | 7.75 | 38.38 | 3.63 | 1.33 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.24 | 6.89 | 1.63 | 5.59 | 8.37 | 8.74 | 29.94 | 3.42 | 1.26 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.60 | 5.69 | 1.48 | 5.28 | 7.87 | 17.52 | 22.35 | 3.32 | 1.19 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.60 | 4.56 | 2.36 | 5.18 | 7.13 | 20.61 | 18.29 | 3.21 | 1.19 | 0.00 | 0.00 | 0.00 | | |
| 20 | 1.04 | 4.14 | 6.52 | 5.07 | 6.76 | 30.27 | 13.92 | 3.01 | 1.11 | 0.00 | 0.00 | 0.00 | | |
| 21 | 1.77 | 15.84 | 7.26 | 4.56 | 6.52 | 46.37 | 16.32 | 3.94 | 1.04 | 0.00 | 0.00 | 0.00 | | |
| 22 | 1.26 | 21.19 | 7.87 | 5.80 | 4.97 | 34.25 | 18.58 | 3.52 | 0.89 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.82 | 61.74 | 6.89 | 5.49 | 4.97 | 28.00 | 15.84 | 3.01 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 24 | 1.11 | 23.22 | 13.68 | 4.66 | 4.87 | 28.33 | 14.16 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.89 | 12.48 | 19.45 | 4.97 | 4.56 | 22.64 | 11.94 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 1.19 | 9.48 | 27.36 | 4.25 | 5.28 | 96.78 | 10.50 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 3.01 | 8.12 | 29.30 | 4.45 | 5.07 | 148.98 | 9.48 | 2.29 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 2.90 | 8.74 | 24.45 | 4.56 | 5.28 | 106.74 | 8.86 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 2.21 | 8.61 | 16.80 | 4.35 | 4.87 | 90.34 | 8.49 | 2.07 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 1.85 | 9.48 | 13.44 | 4.04 | 5.07 | 69.89 | 8.24 | 1.85 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 8.49 | | 3.94 | 4.76 | | 7.75 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 20.69 | 240.14 | 235.34 | 228.49 | 154.76 | 886.76 | 1194.79 | 123.71 | 32.65 | 0.00 | 0.00 | 0.00 | 3117.33 | CMSDAY |
| Mean | 0.69 | 7.75 | 7.84 | 7.37 | 4.99 | 29.56 | 38.54 | 4.12 | 1.05 | 0.00 | 0.00 | 0.00 | 8.54 | CMS |
| Max | 3.01 | 61.74 | 29.30 | 19.45 | 8.37 | 148.98 | 102.90 | 7.26 | 1.92 | 0.00 | 0.00 | 0.00 | 148.98 | CMS |
| Min | 0.00 | 0.42 | 1.48 | 3.94 | 3.42 | 3.94 | 7.75 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.79 | 20.75 | 20.33 | 19.74 | 13.37 | 76.62 | 103.23 | 10.69 | 2.82 | 0.00 | 0.00 | 0.00 | 269.34 | MCM |

Momentary Peak 221.90 CMS. at 112.81 m. (MSL.) at 18.00 Hours , on Sep 26, 2006

Runoff Yield 9.18 Liters/Second/Square KM. Momentary Peak Yield 238.60 Liters/Second/Square KM.

## WATER YEAR : 2006

## SAKAE KRANG RIVER BASIN

### Khlong Pho at Ban Mai Khlong Charoen, Nakhon Sawan (Ct.7)

Lat 15 - 38 - 24 N Long 99 - 32 - 24 E

**Location : on right bank at Ban Mai Khlong Charoen.**

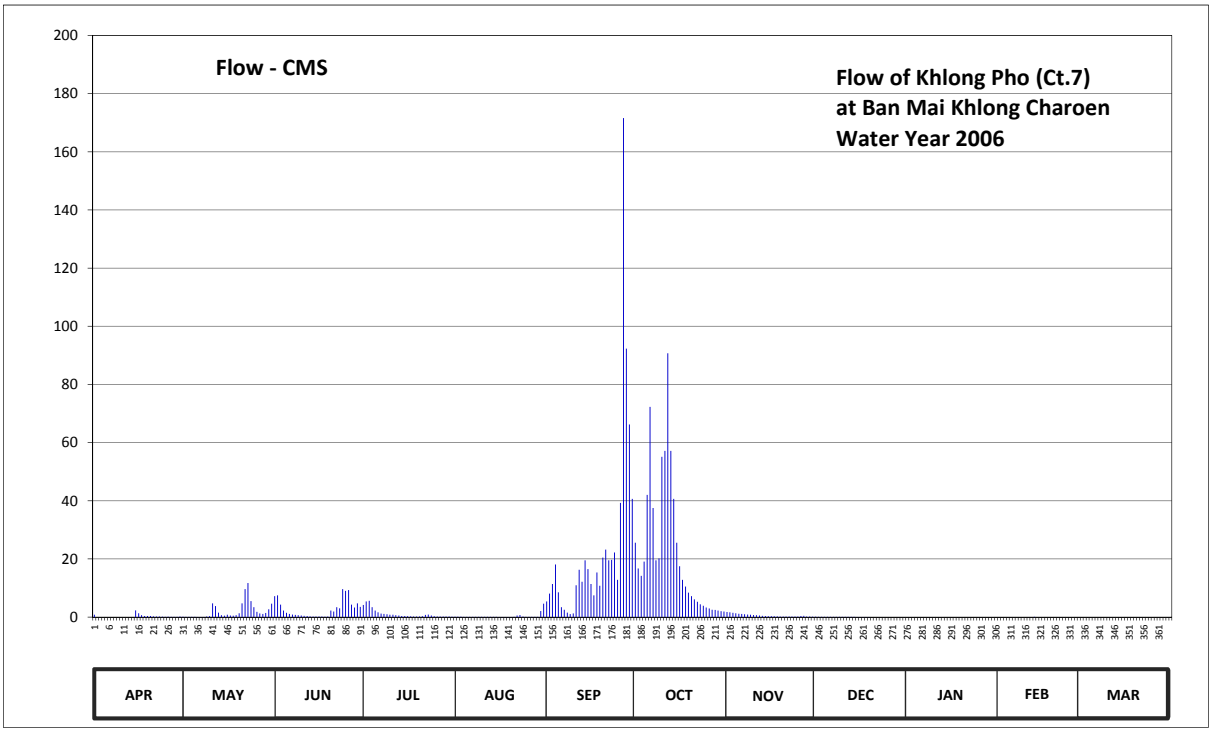
**Ban** Mai Khlong Charoen **Amphoe** Mae Poen **Changwat** Nakhon Sawan

| | |
|---|---|
| **Drainge Area** | 453 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +100.070 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the sling pole. **Elevation** +104.520 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1975 - 1978, 2008 to date |
| **Rating Operation** | |
| **Period of Rating** | 1975 - 1978, 2008 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1975 - 1978, 2008 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +104.210 m.(MSL.) and is including overbank flow.No overbank flow. |
| **General Description** | Records fair. Flow effected by the local weir about 500 meters above gage site.<br>Stage-discharge relation defined by 15 discharge measurements made in 2006 |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100.91 | 100.74 | 101.66 | 101.39 | 100.74 | 101.51 | 102.63 | 101.08 | 100.74 | 100.69 | 100.68 | 100.53 | |
| 2 | 100.68 | 100.73 | 101.68 | 101.51 | 100.74 | 101.72 | 102.25 | 101.06 | 100.73 | 100.69 | 100.68 | 100.52 | |
| 3 | 100.65 | 100.72 | 101.40 | 101.53 | 100.74 | 101.94 | 102.11 | 101.04 | 100.73 | 100.69 | 100.68 | 100.52 | |
| 4 | 100.63 | 100.72 | 101.15 | 101.31 | 100.73 | 102.32 | 102.37 | 101.02 | 100.73 | 100.69 | 100.68 | 100.52 | |
| 5 | 100.62 | 100.72 | 101.04 | 101.15 | 100.73 | 101.75 | 103.10 | 100.99 | 100.73 | 100.69 | 100.68 | 100.52 | |
| 6 | 100.61 | 100.71 | 100.97 | 101.06 | 100.73 | 101.31 | 103.68 | 100.97 | 100.72 | 100.69 | 100.68 | 100.51 | |
| 7 | 100.60 | 100.71 | 100.92 | 101.00 | 100.72 | 101.19 | 103.00 | 100.94 | 100.72 | 100.69 | 100.55 | 100.51 | |
| 8 | 100.59 | 100.71 | 100.89 | 100.98 | 100.72 | 101.05 | 102.39 | 100.92 | 100.72 | 100.69 | 100.55 | 100.51 | |
| 9 | 100.58 | 100.75 | 100.86 | 100.95 | 100.72 | 100.96 | 102.42 | 100.90 | 100.72 | 100.69 | 100.55 | 100.51 | |
| 10 | 100.57 | 100.78 | 100.83 | 100.91 | 100.72 | 101.01 | 103.38 | 100.88 | 100.72 | 100.69 | 100.55 | 100.51 | |
| 11 | 100.59 | 101.44 | 100.81 | 100.90 | 100.72 | 101.91 | 103.42 | 100.86 | 100.72 | 100.69 | 100.70 | 100.51 | |
| 12 | 100.66 | 101.35 | 100.79 | 100.87 | 100.72 | 102.23 | 103.94 | 100.83 | 100.72 | 100.69 | 100.70 | 100.51 | |
| 13 | 100.67 | 101.05 | 100.77 | 100.84 | 100.72 | 101.99 | 103.42 | 100.81 | 100.72 | 100.69 | 100.73 | 100.50 | |
| 14 | 100.67 | 100.87 | 100.76 | 100.80 | 100.72 | 102.39 | 103.07 | 100.79 | 100.72 | 100.69 | 100.70 | 100.50 | |
| 15 | 101.16 | 100.82 | 100.76 | 100.79 | 100.72 | 102.24 | 102.63 | 100.78 | 100.71 | 100.69 | 100.69 | 100.50 | |
| 16 | 101.02 | 100.91 | 100.75 | 100.78 | 100.71 | 101.94 | 102.29 | 100.78 | 100.71 | 100.69 | 100.69 | 100.50 | |
| 17 | 100.87 | 100.84 | 100.75 | 100.77 | 100.71 | 101.68 | 102.03 | 100.78 | 100.71 | 100.69 | 100.68 | 100.50 | |
| 18 | 100.80 | 100.82 | 100.74 | 100.76 | 100.71 | 102.18 | 101.88 | 100.77 | 100.71 | 100.69 | 100.68 | 100.48 | |
| 19 | 100.79 | 100.87 | 100.75 | 100.75 | 100.71 | 101.90 | 101.74 | 100.76 | 100.71 | 100.69 | 100.56 | 100.48 | |
| 20 | 100.80 | 101.02 | 101.15 | 100.75 | 100.71 | 102.43 | 101.66 | 100.76 | 100.70 | 100.69 | 100.55 | 100.48 | |
| 21 | 100.77 | 101.44 | 101.10 | 100.78 | 100.72 | 102.54 | 101.58 | 100.76 | 100.70 | 100.69 | 100.54 | 100.48 | |
| 22 | 100.76 | 101.82 | 101.31 | 100.89 | 100.84 | 102.39 | 101.50 | 100.76 | 100.70 | 100.69 | 100.53 | 100.48 | |
| 23 | 100.75 | 101.96 | 101.26 | 100.92 | 100.88 | 102.40 | 101.41 | 100.75 | 100.70 | 100.69 | 100.54 | 100.47 | |
| 24 | 100.74 | 101.52 | 101.82 | 100.83 | 100.76 | 102.50 | 101.36 | 100.75 | 100.69 | 100.69 | 100.54 | 100.46 | |
| 25 | 100.73 | 101.31 | 101.78 | 100.78 | 100.73 | 102.03 | 101.30 | 100.75 | 100.69 | 100.69 | 100.54 | 100.46 | |
| 26 | 100.74 | 101.09 | 101.80 | 100.76 | 100.72 | 103.04 | 101.25 | 100.79 | 100.69 | 100.69 | 100.53 | 100.46 | |
| 27 | 100.73 | 101.01 | 101.40 | 100.75 | 100.72 | 104.68 | 101.19 | 100.81 | 100.69 | 100.69 | 100.53 | 100.46 | |
| 28 | 100.73 | 100.98 | 101.30 | 100.76 | 100.72 | 103.96 | 101.18 | 100.76 | 100.69 | 100.68 | 100.53 | 100.45 | |
| 29 | 100.73 | 101.03 | 101.44 | 100.75 | 100.72 | 103.58 | 101.15 | 100.75 | 100.69 | 100.68 | | 100.45 | |
| 30 | 100.75 | 101.21 | 101.32 | 100.75 | 101.13 | 103.07 | 101.12 | 100.74 | 100.69 | 100.68 | | 100.45 | |
| 31 | | 101.43 | | 100.74 | 101.43 | | 101.10 | | 100.69 | 100.68 | | 100.64 | |
| Mean | 100.73 | 101.03 | 101.13 | 100.92 | 100.77 | 102.19 | 102.18 | 100.84 | 100.71 | 100.69 | 100.62 | 100.50 | |
| Max | 101.16 | 101.96 | 101.82 | 101.53 | 101.43 | 104.68 | 103.94 | 101.08 | 100.74 | 100.69 | 100.73 | 100.64 | 104.68 |
| Min | 100.57 | 100.71 | 100.74 | 100.74 | 100.71 | 100.96 | 101.10 | 100.74 | 100.69 | 100.68 | 100.53 | 100.45 | 100.45 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 104.97 | m. (MSL.) , | at 06.00 Hours , on Sep 27 , 2006 | | |
| Zero Gage at Bottom Elevation | 100.07 | m. (MSL.) , | River Bed | 99.98 | m. (MSL.) |
| Left Bank Elevation | 104.20 | m. (MSL.) , | | | |
| Right Bank Elevation | 104.47 | m. (MSL.) , | Drainage Are | 453 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.84 | 0.16 | 7.20 | 4.20 | 0.16 | 5.40 | 25.57 | 1.76 | 0.16 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.12 | 7.50 | 5.40 | 0.16 | 8.10 | 16.70 | 1.62 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.08 | 4.30 | 5.60 | 0.16 | 11.40 | 14.17 | 1.48 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.08 | 2.25 | 3.40 | 0.12 | 18.10 | 19.10 | 1.34 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.08 | 1.48 | 2.25 | 0.12 | 8.55 | 42.00 | 1.16 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.04 | 1.08 | 1.62 | 0.12 | 3.40 | 72.28 | 1.08 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.04 | 0.88 | 1.20 | 0.08 | 2.53 | 37.50 | 0.96 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.04 | 0.76 | 1.12 | 0.08 | 1.55 | 19.50 | 0.88 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.20 | 0.64 | 1.00 | 0.08 | 1.04 | 20.20 | 0.80 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.32 | 0.52 | 0.84 | 0.08 | 1.27 | 55.14 | 0.72 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 4.70 | 0.44 | 0.80 | 0.08 | 10.95 | 57.18 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 3.80 | 0.36 | 0.68 | 0.08 | 16.30 | 90.70 | 0.52 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 1.55 | 0.28 | 0.56 | 0.08 | 12.15 | 57.18 | 0.44 | 0.08 | 0.00 | 0.12 | 0.00 | | |
| 14 | 0.00 | 0.68 | 0.24 | 0.40 | 0.08 | 19.50 | 40.65 | 0.36 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 15 | 2.32 | 0.48 | 0.24 | 0.36 | 0.08 | 16.50 | 25.57 | 0.32 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 16 | 1.34 | 0.84 | 0.20 | 0.32 | 0.04 | 11.40 | 17.50 | 0.32 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.68 | 0.56 | 0.20 | 0.28 | 0.04 | 7.50 | 12.81 | 0.32 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.40 | 0.48 | 0.16 | 0.24 | 0.04 | 15.36 | 10.50 | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.36 | 0.68 | 0.20 | 0.20 | 0.04 | 10.80 | 8.40 | 0.24 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.40 | 1.34 | 2.25 | 0.20 | 0.04 | 20.45 | 7.20 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.28 | 4.70 | 1.90 | 0.32 | 0.08 | 23.20 | 6.10 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.24 | 9.60 | 3.40 | 0.76 | 0.56 | 19.50 | 5.30 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.20 | 11.70 | 3.02 | 0.88 | 0.72 | 19.70 | 4.40 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.16 | 5.50 | 9.60 | 0.52 | 0.24 | 22.20 | 3.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.12 | 3.40 | 9.00 | 0.32 | 0.12 | 12.81 | 3.30 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.16 | 1.83 | 9.30 | 0.24 | 0.08 | 39.30 | 2.95 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.12 | 1.27 | 4.30 | 0.20 | 0.08 | 171.60 | 2.53 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.12 | 1.12 | 3.30 | 0.24 | 0.08 | 92.30 | 2.46 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.12 | 1.41 | 4.70 | 0.20 | 0.08 | 66.22 | 2.25 | 0.20 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.20 | 2.67 | 3.50 | 0.20 | 2.11 | 40.65 | 2.04 | 0.16 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 4.60 | | 0.16 | 4.60 | | 1.90 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 8.06 | 64.07 | 83.20 | 34.71 | 10.51 | 709.73 | 686.98 | 17.96 | 1.56 | 0.00 | 0.12 | 0.00 | 1616.90 | CMSDAY |
| Mean | 0.27 | 2.07 | 2.77 | 1.12 | 0.34 | 23.66 | 22.16 | 0.60 | 0.05 | 0.00 | 0.00 | 0.00 | 4.43 | CMS |
| Max | 2.32 | 11.70 | 9.60 | 5.60 | 4.60 | 171.60 | 90.70 | 1.76 | 0.16 | 0.00 | 0.12 | 0.00 | 171.60 | CMS |
| Min | 0.00 | 0.04 | 0.16 | 0.16 | 0.04 | 1.04 | 1.90 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.70 | 5.54 | 7.19 | 3.00 | 0.91 | 61.32 | 59.36 | 1.55 | 0.13 | 0.00 | 0.01 | 0.00 | 139.70 | MCM |

Momentary Peak 220.60 CMS. at 104.97 m. (MSL.) at 06.00 Hours , on Sep 27 , 2006

Runoff Yield 9.78 Liters/Second/Square KM. Momentary Peak Yield 486.98 Liters/Second/Square KM.

## WATER YEAR : 2006

## SAKAE KRANG RIVER BASIN

### Huai Thap Salao at Ban Bung Ai Chiam, Uthai Thani (Ct.9)

Lat 15 - 31 - 35 N Long 99 - 28 - 10 E

**Location : on left bank about 9 kilometers upstream from Ct.6.**

**Ban** Bung Ai Chiam **Amphoe** Lan Sak **Changwat** Uthai Thani

| | |
|---|---|
| **Drainge Area** | 528 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +123.450 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 100 meters from the gage observer's house **Elevation** +129.000 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1977 to date |
| **Rating Operation** | |
| **Period of Rating** | 1977 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1977 to date |
| **Stability of Channel Regimes** | Fairly stable |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Rabum Dam above gage site.<br>Stage-discharge relation defined by 8 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

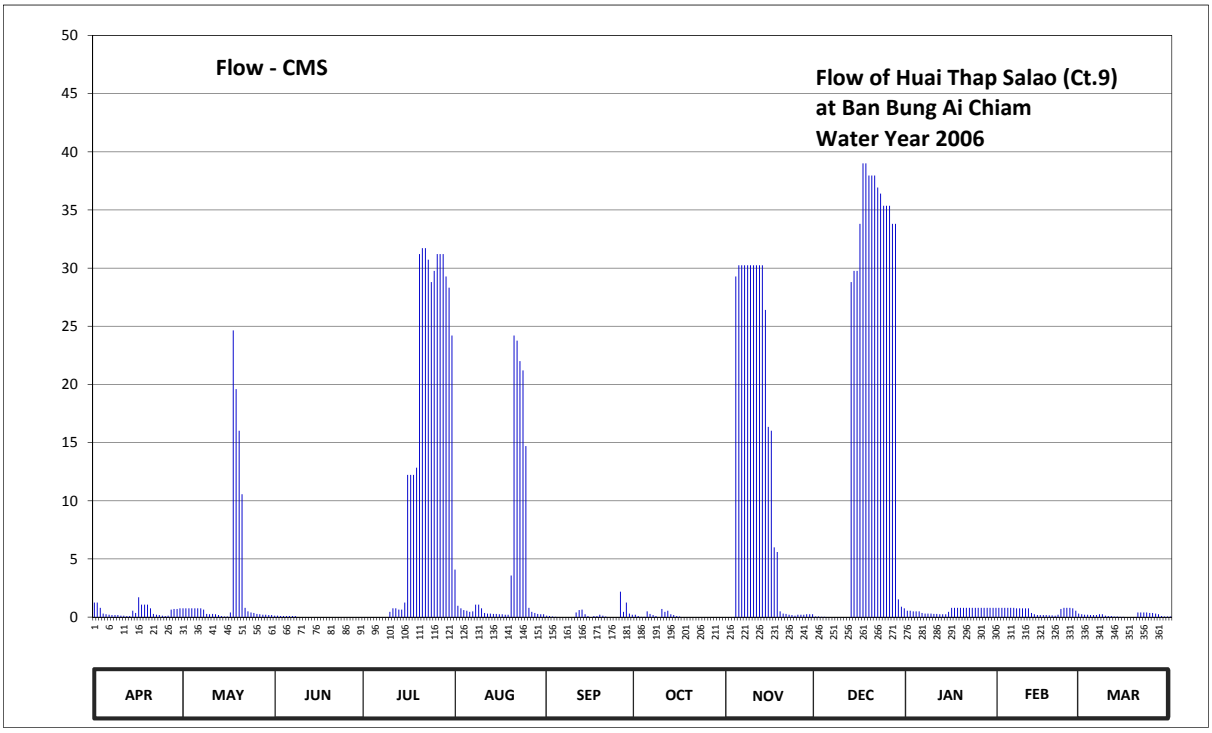
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 123.65 | 123.59 | 123.44 | 123.39 | 123.87 | 123.44 | 123.47 | 123.38 | 123.42 | 123.55 | 123.60 | 123.48 | |
| 2 | 123.65 | 123.59 | 123.44 | 123.39 | 123.62 | 123.43 | 123.43 | 123.38 | 123.42 | 123.55 | 123.60 | 123.47 | |
| 3 | 123.60 | 123.59 | 123.43 | 123.39 | 123.59 | 123.42 | 123.41 | 123.38 | 123.41 | 123.54 | 123.60 | 123.47 | |
| 4 | 123.50 | 123.59 | 123.43 | 123.39 | 123.56 | 123.41 | 123.41 | 124.66 | 123.41 | 123.54 | 123.60 | 123.46 | |
| 5 | 123.48 | 123.59 | 123.43 | 123.39 | 123.55 | 123.40 | 123.54 | 124.68 | 123.40 | 123.54 | 123.60 | 123.46 | |
| 6 | 123.47 | 123.59 | 123.43 | 123.39 | 123.53 | 123.40 | 123.49 | 124.68 | 123.40 | 123.51 | 123.60 | 123.46 | |
| 7 | 123.46 | 123.59 | 123.43 | 123.39 | 123.54 | 123.39 | 123.46 | 124.68 | 123.40 | 123.50 | 123.59 | 123.48 | |
| 8 | 123.46 | 123.57 | 123.43 | 123.39 | 123.63 | 123.39 | 123.43 | 124.68 | 123.39 | 123.50 | 123.59 | 123.48 | |
| 9 | 123.46 | 123.49 | 123.40 | 123.39 | 123.63 | 123.39 | 123.40 | 124.68 | 123.39 | 123.50 | 123.59 | 123.44 | |
| 10 | 123.44 | 123.48 | 123.40 | 123.53 | 123.59 | 123.39 | 123.58 | 124.68 | 123.39 | 123.49 | 123.59 | 123.43 | |
| 11 | 123.44 | 123.49 | 123.40 | 123.59 | 123.51 | 123.52 | 123.53 | 124.68 | 123.39 | 123.49 | 123.59 | 123.43 | |
| 12 | 123.43 | 123.48 | 123.39 | 123.59 | 123.50 | 123.56 | 123.55 | 124.68 | 123.39 | 123.48 | 123.51 | 123.42 | |
| 13 | 123.43 | 123.46 | 123.39 | 123.57 | 123.50 | 123.57 | 123.48 | 124.68 | 124.65 | 123.48 | 123.48 | 123.42 | |
| 14 | 123.55 | 123.43 | 123.39 | 123.57 | 123.49 | 123.48 | 123.46 | 124.60 | 124.67 | 123.48 | 123.46 | 123.41 | |
| 15 | 123.51 | 123.42 | 123.39 | 123.65 | 123.49 | 123.43 | 123.43 | 124.35 | 124.67 | 123.53 | 123.46 | 123.41 | |
| 16 | 123.70 | 123.42 | 123.39 | 124.22 | 123.48 | 123.40 | 123.42 | 124.34 | 124.75 | 123.60 | 123.46 | 123.40 | |
| 17 | 123.63 | 123.52 | 123.39 | 124.22 | 123.48 | 123.43 | 123.40 | 123.97 | 124.85 | 123.60 | 123.46 | 123.40 | |
| 18 | 123.63 | 124.56 | 123.39 | 124.22 | 123.47 | 123.43 | 123.40 | 123.95 | 124.85 | 123.60 | 123.45 | 123.40 | |
| 19 | 123.63 | 124.44 | 123.39 | 124.24 | 123.47 | 123.47 | 123.40 | 123.54 | 124.83 | 123.60 | 123.45 | 123.40 | |
| 20 | 123.59 | 124.34 | 123.39 | 124.70 | 123.84 | 123.44 | 123.39 | 123.50 | 124.83 | 123.60 | 123.44 | 123.52 | |
| 21 | 123.49 | 124.16 | 123.39 | 124.71 | 124.55 | 123.42 | 123.39 | 123.49 | 124.83 | 123.60 | 123.47 | 123.52 | |
| 22 | 123.47 | 123.60 | 123.39 | 124.71 | 124.54 | 123.40 | 123.39 | 123.47 | 124.81 | 123.60 | 123.58 | 123.52 | |
| 23 | 123.46 | 123.54 | 123.39 | 124.69 | 124.50 | 123.40 | 123.39 | 123.46 | 124.80 | 123.60 | 123.60 | 123.52 | |
| 24 | 123.44 | 123.52 | 123.39 | 124.65 | 124.48 | 123.40 | 123.39 | 123.44 | 124.78 | 123.60 | 123.60 | 123.51 | |
| 25 | 123.43 | 123.51 | 123.39 | 124.67 | 124.30 | 123.40 | 123.39 | 123.47 | 124.78 | 123.60 | 123.60 | 123.51 | |
| 26 | 123.44 | 123.49 | 123.39 | 124.70 | 123.60 | 123.74 | 123.38 | 123.47 | 124.78 | 123.60 | 123.59 | 123.50 | |
| 27 | 123.57 | 123.48 | 123.39 | 124.70 | 123.53 | 123.53 | 123.38 | 123.47 | 124.75 | 123.60 | 123.55 | 123.48 | |
| 28 | 123.58 | 123.47 | 123.39 | 124.70 | 123.51 | 123.65 | 123.38 | 123.48 | 124.75 | 123.60 | 123.50 | 123.43 | |
| 29 | 123.58 | 123.47 | 123.39 | 124.66 | 123.49 | 123.50 | 123.38 | 123.48 | 123.68 | 123.60 | | 123.42 | |
| 30 | 123.59 | 123.46 | 123.39 | 124.64 | 123.48 | 123.47 | 123.38 | 123.48 | 123.61 | 123.60 | | 123.42 | |
| 31 | | 123.46 | | 124.55 | 123.48 | | 123.38 | | 123.59 | 123.60 | | 123.42 | |
| Mean | 123.53 | 123.63 | 123.40 | 124.03 | 123.70 | 123.46 | 123.43 | 124.00 | 124.13 | 123.56 | 123.54 | 123.45 | |
| Max | 123.70 | 124.56 | 123.44 | 124.71 | 124.55 | 123.74 | 123.58 | 124.68 | 124.85 | 123.60 | 123.60 | 123.52 | 124.85 |
| Min | 123.43 | 123.42 | 123.39 | 123.39 | 123.47 | 123.39 | 123.38 | 123.38 | 123.39 | 123.48 | 123.44 | 123.40 | 123.38 |

Annual Max Momentary Gage Height 124.85 m. (MSL.) , at 18.00 Hours , on Dec 16 , 2006

Zero Gage at Bottom Elevation 123.45 m. (MSL.) , River Bed 123.38 m. (MSL.)

Left Bank Elevation 127.52 m. (MSL.) ,

Right Bank Elevation 127.71 m. (MSL.) , Drainage Are 528 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.25 | 0.75 | 0.12 | 0.00 | 4.09 | 0.12 | 0.21 | 0.00 | 0.06 | 0.55 | 0.80 | 0.24 | | |
| 2 | 1.25 | 0.75 | 0.12 | 0.00 | 0.98 | 0.09 | 0.09 | 0.00 | 0.06 | 0.55 | 0.80 | 0.21 | | |
| 3 | 0.80 | 0.75 | 0.09 | 0.00 | 0.75 | 0.06 | 0.03 | 0.00 | 0.03 | 0.50 | 0.80 | 0.21 | | |
| 4 | 0.30 | 0.75 | 0.09 | 0.00 | 0.60 | 0.03 | 0.03 | 29.28 | 0.03 | 0.50 | 0.80 | 0.18 | | |
| 5 | 0.24 | 0.75 | 0.09 | 0.00 | 0.55 | 0.00 | 0.50 | 30.24 | 0.00 | 0.50 | 0.80 | 0.18 | | |
| 6 | 0.21 | 0.75 | 0.09 | 0.00 | 0.45 | 0.00 | 0.27 | 30.24 | 0.00 | 0.35 | 0.80 | 0.18 | | |
| 7 | 0.18 | 0.75 | 0.09 | 0.00 | 0.50 | 0.00 | 0.18 | 30.24 | 0.00 | 0.30 | 0.75 | 0.24 | | |
| 8 | 0.18 | 0.65 | 0.09 | 0.00 | 1.07 | 0.00 | 0.09 | 30.24 | 0.00 | 0.30 | 0.75 | 0.24 | | |
| 9 | 0.18 | 0.27 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 30.24 | 0.00 | 0.30 | 0.75 | 0.12 | | |
| 10 | 0.12 | 0.24 | 0.00 | 0.45 | 0.75 | 0.00 | 0.70 | 30.24 | 0.00 | 0.27 | 0.75 | 0.09 | | |
| 11 | 0.12 | 0.27 | 0.00 | 0.75 | 0.35 | 0.40 | 0.45 | 30.24 | 0.00 | 0.27 | 0.75 | 0.09 | | |
| 12 | 0.09 | 0.24 | 0.00 | 0.75 | 0.30 | 0.60 | 0.55 | 30.24 | 0.00 | 0.24 | 0.35 | 0.06 | | |
| 13 | 0.09 | 0.18 | 0.00 | 0.65 | 0.30 | 0.65 | 0.24 | 30.24 | 28.80 | 0.24 | 0.24 | 0.06 | | |
| 14 | 0.55 | 0.09 | 0.00 | 0.65 | 0.27 | 0.24 | 0.18 | 26.40 | 29.76 | 0.24 | 0.18 | 0.03 | | |
| 15 | 0.35 | 0.06 | 0.00 | 1.25 | 0.27 | 0.09 | 0.09 | 16.35 | 29.76 | 0.45 | 0.18 | 0.03 | | |
| 16 | 1.70 | 0.06 | 0.00 | 12.22 | 0.24 | 0.00 | 0.06 | 16.02 | 33.80 | 0.80 | 0.18 | 0.00 | | |
| 17 | 1.07 | 0.40 | 0.00 | 12.22 | 0.24 | 0.09 | 0.00 | 6.00 | 39.00 | 0.80 | 0.18 | 0.00 | | |
| 18 | 1.07 | 24.64 | 0.00 | 12.22 | 0.21 | 0.09 | 0.00 | 5.60 | 39.00 | 0.80 | 0.15 | 0.00 | | |
| 19 | 1.07 | 19.60 | 0.00 | 12.84 | 0.21 | 0.21 | 0.00 | 0.50 | 37.96 | 0.80 | 0.15 | 0.00 | | |
| 20 | 0.75 | 16.02 | 0.00 | 31.20 | 3.58 | 0.12 | 0.00 | 0.30 | 37.96 | 0.80 | 0.12 | 0.40 | | |
| 21 | 0.27 | 10.56 | 0.00 | 31.72 | 24.20 | 0.06 | 0.00 | 0.27 | 37.96 | 0.80 | 0.21 | 0.40 | | |
| 22 | 0.21 | 0.80 | 0.00 | 31.72 | 23.76 | 0.00 | 0.00 | 0.21 | 36.92 | 0.80 | 0.70 | 0.40 | | |
| 23 | 0.18 | 0.50 | 0.00 | 30.72 | 22.00 | 0.00 | 0.00 | 0.18 | 36.40 | 0.80 | 0.80 | 0.40 | | |
| 24 | 0.12 | 0.40 | 0.00 | 28.80 | 21.20 | 0.00 | 0.00 | 0.12 | 35.36 | 0.80 | 0.80 | 0.35 | | |
| 25 | 0.09 | 0.35 | 0.00 | 29.76 | 14.70 | 0.00 | 0.00 | 0.21 | 35.36 | 0.80 | 0.80 | 0.35 | | |
| 26 | 0.12 | 0.27 | 0.00 | 31.20 | 0.80 | 2.18 | 0.00 | 0.21 | 35.36 | 0.80 | 0.75 | 0.30 | | |
| 27 | 0.65 | 0.24 | 0.00 | 31.20 | 0.45 | 0.45 | 0.00 | 0.21 | 33.80 | 0.80 | 0.55 | 0.24 | | |
| 28 | 0.70 | 0.21 | 0.00 | 31.20 | 0.35 | 1.25 | 0.00 | 0.24 | 33.80 | 0.80 | 0.30 | 0.09 | | |
| 29 | 0.70 | 0.21 | 0.00 | 29.28 | 0.27 | 0.30 | 0.00 | 0.24 | 1.52 | 0.80 | | 0.06 | | |
| 30 | 0.75 | 0.18 | 0.00 | 28.32 | 0.24 | 0.21 | 0.00 | 0.24 | 0.89 | 0.80 | | 0.06 | | |
| 31 | | 0.18 | | 24.20 | 0.24 | | 0.00 | | 0.75 | 0.80 | | 0.06 | | |
| Total | 15.36 | 81.87 | 0.78 | 413.32 | 124.99 | 7.24 | 3.67 | 374.74 | 564.34 | 18.36 | 15.19 | 5.27 | 1625.13 | CMSDAY |
| Mean | 0.51 | 2.64 | 0.03 | 13.33 | 4.03 | 0.24 | 0.12 | 12.49 | 18.20 | 0.59 | 0.54 | 0.17 | 4.45 | CMS |
| Max | 1.70 | 24.64 | 0.12 | 31.72 | 24.20 | 2.18 | 0.70 | 30.24 | 39.00 | 0.80 | 0.80 | 0.40 | 39.00 | CMS |
| Min | 0.09 | 0.06 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.12 | 0.00 | 0.00 | CMS |
| Runoff | 1.33 | 7.07 | 0.07 | 35.71 | 10.80 | 0.63 | 0.32 | 32.38 | 48.76 | 1.59 | 1.31 | 0.46 | 140.41 | MCM |

Momentary Peak 39.00 CMS. at 124.85 m. (MSL.) at 18.00 Hours , on Dec 16, 2006

Runoff Yield 8.43 Liters/Second/Square KM. Momentary Peak Yield 73.83 Liters/Second/Square KM.

## WATER YEAR : 2006

## SAKAE KRANG RIVER BASIN

### Huai Tak Daet at Ban Tak Daet, Uthai Thani (Ct.19)

Lat 15 - 27 - 07 N Long 100 - 02 - 00 E

**Location : on left bank near Ban Tak Daet.**

| | | | |
|---|---|---|---|
| | **Ban** Tak Daet | **Amphoe** Mueang | **Changwat** Uthai Thani |
| **Drainge Area** | 3,454 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +10.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 5.00 meters from the top staff gage. | **Elevation** +22.890 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1998 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1998 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1998 to date | | |
| **Stability of Channel Regimes** | Fairly stable | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 16 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

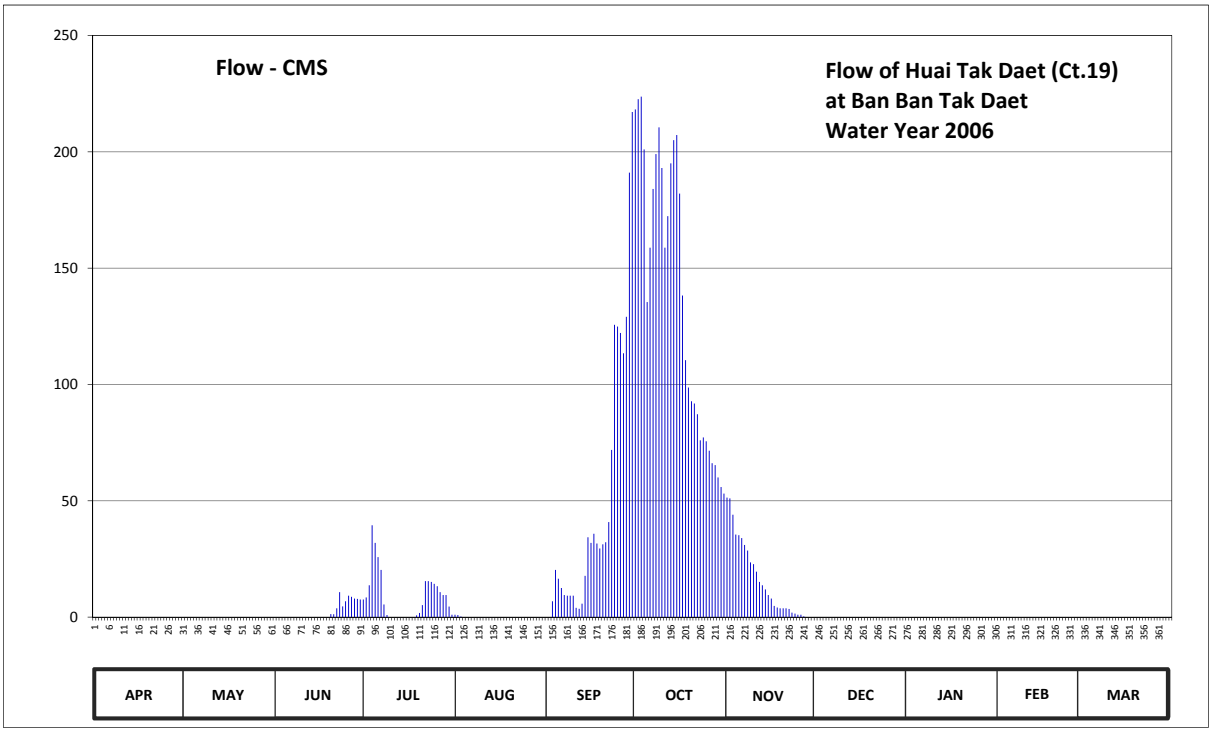
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16.71 | 16.71 | 16.71 | 18.87 | 18.20 | 18.00 | 23.12 | 20.51 | 17.50 | 16.71 | 16.71 | 16.71 | |
| 2 | 16.71 | 16.71 | 16.71 | 18.93 | 18.18 | 18.00 | 23.16 | 20.50 | 17.50 | 16.71 | 16.71 | 16.71 | |
| 3 | 16.71 | 16.71 | 16.71 | 19.21 | 18.06 | 18.82 | 23.17 | 20.30 | 17.50 | 16.71 | 16.71 | 16.71 | |
| 4 | 16.71 | 16.71 | 16.71 | 20.17 | 18.00 | 19.49 | 22.96 | 20.05 | 17.50 | 16.71 | 16.71 | 16.71 | |
| 5 | 16.71 | 16.71 | 16.71 | 19.93 | 18.00 | 19.34 | 22.22 | 20.04 | 17.40 | 16.71 | 16.71 | 16.71 | |
| 6 | 16.71 | 16.71 | 16.71 | 19.71 | 18.00 | 19.15 | 22.52 | 20.00 | 17.40 | 16.71 | 16.71 | 16.71 | |
| 7 | 16.71 | 16.71 | 16.71 | 19.49 | 18.00 | 19.00 | 22.79 | 19.90 | 17.31 | 16.71 | 16.71 | 16.71 | |
| 8 | 16.71 | 16.71 | 16.71 | 18.73 | 18.00 | 18.98 | 22.94 | 19.82 | 17.25 | 16.71 | 16.71 | 16.71 | |
| 9 | 16.71 | 16.71 | 16.71 | 18.18 | 18.00 | 18.98 | 23.05 | 19.62 | 17.20 | 16.71 | 16.71 | 16.71 | |
| 10 | 16.71 | 16.71 | 16.71 | 18.00 | 18.00 | 18.98 | 22.88 | 19.59 | 17.20 | 16.71 | 16.71 | 16.71 | |
| 11 | 16.71 | 16.71 | 16.71 | 18.00 | 18.00 | 18.60 | 22.52 | 19.46 | 17.20 | 16.71 | 16.71 | 16.71 | |
| 12 | 16.71 | 16.71 | 16.71 | 18.00 | 18.00 | 18.56 | 22.67 | 19.28 | 17.08 | 16.71 | 16.71 | 16.71 | |
| 13 | 16.71 | 16.71 | 16.71 | 18.00 | 18.00 | 18.75 | 22.90 | 19.21 | 17.08 | 16.71 | 16.71 | 16.71 | |
| 14 | 16.71 | 16.71 | 16.71 | 18.00 | 18.00 | 19.39 | 23.00 | 19.12 | 17.19 | 16.71 | 16.71 | 16.71 | |
| 15 | 16.71 | 16.71 | 16.71 | 18.00 | 18.00 | 20.01 | 23.02 | 19.00 | 17.37 | 16.71 | 16.71 | 16.71 | |
| 16 | 16.71 | 16.71 | 16.71 | 18.00 | 18.00 | 19.93 | 22.77 | 18.90 | 17.60 | 16.71 | 16.71 | 16.71 | |
| 17 | 16.71 | 16.71 | 16.71 | 18.00 | 17.90 | 20.06 | 22.26 | 18.68 | 17.48 | 16.71 | 16.71 | 16.71 | |
| 18 | 16.71 | 16.71 | 16.71 | 17.90 | 17.90 | 19.92 | 21.84 | 18.61 | 17.30 | 16.71 | 16.71 | 16.71 | |
| 19 | 16.71 | 16.71 | 16.71 | 18.15 | 17.80 | 19.85 | 21.64 | 18.58 | 17.30 | 16.71 | 16.71 | 16.71 | |
| 20 | 16.71 | 16.71 | 18.26 | 18.36 | 17.80 | 19.91 | 21.52 | 18.58 | 17.20 | 16.71 | 16.71 | 16.71 | |
| 21 | 16.71 | 16.71 | 18.25 | 18.71 | 17.80 | 19.94 | 21.50 | 18.58 | 17.09 | 16.71 | 16.71 | 16.71 | |
| 22 | 16.71 | 16.71 | 18.58 | 19.30 | 17.80 | 20.21 | 21.40 | 18.55 | 17.03 | 16.71 | 16.71 | 16.71 | |
| 23 | 16.71 | 16.71 | 19.06 | 19.30 | 17.90 | 21.04 | 21.14 | 18.39 | 17.00 | 16.71 | 16.71 | 16.71 | |
| 24 | 16.71 | 16.71 | 18.66 | 19.28 | 17.90 | 22.08 | 21.17 | 18.30 | 17.00 | 16.71 | 16.71 | 16.71 | |
| 25 | 16.71 | 16.71 | 18.82 | 19.24 | 17.90 | 22.07 | 21.13 | 18.20 | 17.00 | 16.71 | 16.71 | 16.71 | |
| 26 | 16.71 | 16.71 | 18.98 | 19.19 | 17.90 | 22.03 | 21.03 | 18.20 | 17.00 | 16.71 | 16.71 | 16.71 | |
| 27 | 16.71 | 16.71 | 18.95 | 19.06 | 17.90 | 21.89 | 20.90 | 18.07 | 17.00 | 16.71 | 16.71 | 16.71 | |
| 28 | 16.71 | 16.71 | 18.90 | 19.00 | 17.90 | 22.13 | 20.88 | 17.38 | 17.00 | 16.71 | 16.71 | 16.71 | |
| 29 | 16.71 | 16.71 | 18.89 | 19.00 | 17.95 | 22.86 | 20.75 | 17.00 | 17.00 | 16.71 | | 16.71 | |
| 30 | 16.71 | 16.71 | 18.87 | 18.65 | 17.95 | 23.11 | 20.64 | 17.00 | 17.00 | 16.71 | | 16.71 | |
| 31 | | 16.71 | | 18.20 | 18.00 | | 20.56 | | 17.00 | 16.71 | | 16.71 | |
| Mean | 16.71 | 16.71 | 17.46 | 18.73 | 17.96 | 20.04 | 22.07 | 18.98 | 17.22 | 16.71 | 16.71 | 16.71 | |
| Max | 16.71 | 16.71 | 19.06 | 20.17 | 18.20 | 23.11 | 23.17 | 20.51 | 17.60 | 16.71 | 16.71 | 16.71 | 23.17 |
| Min | 16.71 | 16.71 | 16.71 | 17.90 | 17.80 | 18.00 | 20.56 | 17.00 | 17.00 | 16.71 | 16.71 | 16.71 | 16.71 |

Annual Max Momentary Gage Height 23.19 m. (MSL.) , at 18.00 Hours , on Oct 2 , 2006

Zero Gage at Bottom Elevation 10.00 m. (MSL.) , River Bed 16.71 m. (MSL.)

Left Bank Elevation 24.36 m. (MSL.) ,

Right Bank Elevation 24.35 m. (MSL.) , Drainage Are 3,454 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 7.55 | 1.00 | 0.00 | 218.20 | 51.35 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 8.45 | 0.90 | 0.00 | 222.60 | 51.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 13.70 | 0.30 | 6.80 | 223.70 | 44.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 39.45 | 0.00 | 20.25 | 201.00 | 35.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 31.90 | 0.00 | 16.50 | 135.40 | 35.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 25.75 | 0.00 | 12.50 | 158.80 | 34.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 20.25 | 0.00 | 9.50 | 184.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 5.45 | 0.00 | 9.20 | 199.00 | 28.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 9.20 | 210.50 | 23.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.20 | 193.00 | 22.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 158.80 | 19.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 | 172.30 | 15.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.75 | 195.00 | 13.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.75 | 205.00 | 11.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.30 | 207.20 | 9.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.90 | 182.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.80 | 138.20 | 4.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.60 | 110.40 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 29.50 | 98.70 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 1.30 | 1.80 | 0.00 | 31.30 | 92.77 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 1.25 | 5.15 | 0.00 | 32.20 | 91.83 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 3.80 | 15.50 | 0.00 | 40.85 | 87.17 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 10.70 | 15.50 | 0.00 | 71.88 | 75.97 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 4.60 | 15.10 | 0.00 | 125.60 | 77.19 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 6.80 | 14.30 | 0.00 | 124.90 | 75.56 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 9.20 | 13.30 | 0.00 | 122.10 | 71.48 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 8.75 | 10.70 | 0.00 | 113.40 | 66.17 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 8.00 | 9.50 | 0.00 | 129.10 | 65.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 7.85 | 9.50 | 0.00 | 191.00 | 60.04 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 7.55 | 4.50 | 0.00 | 217.10 | 55.90 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 1.00 | 0.00 | | 53.10 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 69.80 | 270.00 | 2.20 | 1486.78 | 4286.33 | 464.20 | 0.00 | 0.00 | 0.00 | 0.00 | 6579.31 | CMSDAY |
| Mean | 0.00 | 0.00 | 2.33 | 8.71 | 0.07 | 49.56 | 138.27 | 15.47 | 0.00 | 0.00 | 0.00 | 0.00 | 18.03 | CMS |
| Max | 0.00 | 0.00 | 10.70 | 39.45 | 1.00 | 217.10 | 223.70 | 51.35 | 0.00 | 0.00 | 0.00 | 0.00 | 223.70 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 53.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 6.03 | 23.33 | 0.19 | 128.46 | 370.34 | 40.11 | 0.00 | 0.00 | 0.00 | 0.00 | 568.45 | MCM |

Momentary Peak 225.90 CMS. at 23.19 m. (MSL.) at 18.00 Hours , on Oct 2, 2006

Runoff Yield 5.22 Liters/Second/Square KM. Momentary Peak Yield 65.41 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Kaeng Khoi, Saraburi (S.2)

Lat 14 - 35 - 32 N Long 100 - 00 - 23 E

**Location : on left bank about 100 meters downstream from Kaeng Khoi Water Supply.**

**Ban** Kaeng Khoi **Amphoe** Kaeng Khoi **Changwat** Saraburi

| | |
|---|---|
| **Drainge Area** | 14,449 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +6.110 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the automatic gage building. **Elevation** +21.622 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings |
| **Period of Available Gage Records** | 1914 to date |
| **Rating Operation** | |
| **Period of Rating** | 1959 - 1962, 1965 - 1966, 1993 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1959 - 1962, 1965 - 1966, 1993 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 38 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

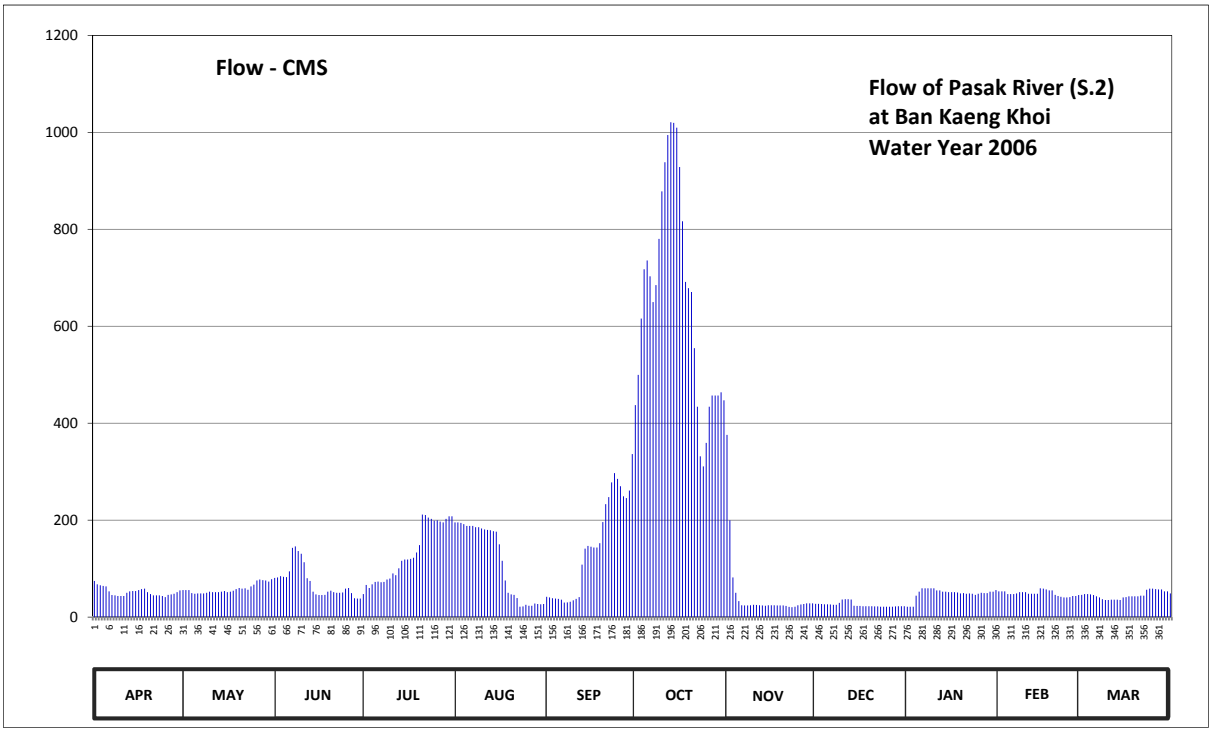
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.21 | 7.94 | 8.30 | 7.82 | 9.77 | 7.73 | 12.14 | 11.58 | 7.47 | 7.35 | 7.90 | 7.80 | |
| 2 | 8.11 | 7.94 | 8.31 | 8.09 | 9.77 | 7.71 | 12.68 | 9.82 | 7.47 | 7.35 | 7.90 | 7.82 | |
| 3 | 8.08 | 7.94 | 8.35 | 8.00 | 9.76 | 7.68 | 13.65 | 8.31 | 7.46 | 7.35 | 7.90 | 7.82 | |
| 4 | 8.06 | 7.85 | 8.33 | 8.11 | 9.73 | 7.67 | 14.45 | 7.86 | 7.45 | 7.77 | 7.82 | 7.81 | |
| 5 | 8.05 | 7.83 | 8.32 | 8.18 | 9.69 | 7.66 | 14.59 | 7.58 | 7.45 | 7.89 | 7.82 | 7.79 | |
| 6 | 7.90 | 7.84 | 8.49 | 8.19 | 9.69 | 7.63 | 14.34 | 7.41 | 7.44 | 7.99 | 7.82 | 7.75 | |
| 7 | 7.79 | 7.84 | 9.16 | 8.17 | 9.69 | 7.52 | 13.93 | 7.40 | 7.43 | 7.99 | 7.84 | 7.71 | |
| 8 | 7.78 | 7.84 | 9.20 | 8.18 | 9.66 | 7.53 | 14.20 | 7.40 | 7.43 | 7.99 | 7.88 | 7.65 | |
| 9 | 7.76 | 7.86 | 9.08 | 8.25 | 9.66 | 7.55 | 14.93 | 7.41 | 7.51 | 7.99 | 7.88 | 7.62 | |
| 10 | 7.76 | 7.89 | 9.01 | 8.28 | 9.63 | 7.61 | 15.63 | 7.43 | 7.64 | 7.99 | 7.88 | 7.62 | |
| 11 | 7.76 | 7.88 | 8.76 | 8.43 | 9.61 | 7.66 | 16.06 | 7.42 | 7.65 | 7.93 | 7.83 | 7.63 | |
| 12 | 7.86 | 7.88 | 8.29 | 8.38 | 9.60 | 7.72 | 16.46 | 7.41 | 7.65 | 7.93 | 7.83 | 7.63 | |
| 13 | 7.90 | 7.88 | 8.21 | 8.58 | 9.59 | 8.69 | 16.65 | 7.40 | 7.64 | 7.89 | 7.83 | 7.63 | |
| 14 | 7.91 | 7.89 | 7.89 | 8.80 | 9.57 | 9.14 | 16.64 | 7.39 | 7.39 | 7.89 | 7.83 | 7.62 | |
| 15 | 7.91 | 7.91 | 7.81 | 8.84 | 9.56 | 9.21 | 16.57 | 7.41 | 7.38 | 7.88 | 7.99 | 7.71 | |
| 16 | 7.94 | 7.88 | 7.79 | 8.84 | 9.25 | 9.19 | 15.99 | 7.41 | 7.38 | 7.88 | 7.98 | 7.72 | |
| 17 | 7.97 | 7.89 | 7.79 | 8.86 | 8.80 | 9.17 | 15.19 | 7.41 | 7.37 | 7.88 | 7.96 | 7.75 | |
| 18 | 7.98 | 7.92 | 7.80 | 8.89 | 8.22 | 9.17 | 14.25 | 7.40 | 7.37 | 7.87 | 7.93 | 7.75 | |
| 19 | 7.88 | 7.97 | 7.89 | 9.04 | 7.86 | 9.28 | 14.15 | 7.40 | 7.37 | 7.84 | 7.93 | 7.75 | |
| 20 | 7.82 | 8.00 | 7.92 | 9.23 | 7.81 | 9.78 | 14.09 | 7.40 | 7.37 | 7.85 | 7.80 | 7.75 | |
| 21 | 7.78 | 7.98 | 7.88 | 9.95 | 7.80 | 10.19 | 13.14 | 7.38 | 7.36 | 7.83 | 7.76 | 7.77 | |
| 22 | 7.78 | 7.99 | 7.86 | 9.94 | 7.69 | 10.35 | 12.11 | 7.34 | 7.36 | 7.84 | 7.73 | 7.77 | |
| 23 | 7.78 | 7.95 | 7.86 | 9.88 | 7.35 | 10.67 | 11.18 | 7.33 | 7.35 | 7.83 | 7.71 | 7.95 | |
| 24 | 7.76 | 8.05 | 7.87 | 9.85 | 7.36 | 10.86 | 10.99 | 7.35 | 7.35 | 7.80 | 7.71 | 7.98 | |
| 25 | 7.72 | 8.10 | 7.98 | 9.81 | 7.43 | 10.74 | 11.43 | 7.41 | 7.35 | 7.83 | 7.72 | 7.98 | |
| 26 | 7.80 | 8.22 | 8.00 | 9.82 | 7.39 | 10.59 | 12.11 | 7.44 | 7.35 | 7.86 | 7.76 | 7.97 | |
| 27 | 7.81 | 8.25 | 7.85 | 9.79 | 7.39 | 10.37 | 12.32 | 7.46 | 7.35 | 7.85 | 7.76 | 7.96 | |
| 28 | 7.83 | 8.23 | 7.68 | 9.77 | 7.48 | 10.33 | 12.32 | 7.49 | 7.36 | 7.85 | 7.79 | 7.96 | |
| 29 | 7.88 | 8.22 | 7.67 | 9.85 | 7.46 | 10.50 | 12.32 | 7.49 | 7.37 | 7.89 | | 7.90 | |
| 30 | 7.93 | 8.19 | 7.67 | 9.91 | 7.45 | 11.22 | 12.38 | 7.49 | 7.37 | 7.89 | | 7.90 | |
| 31 | | 8.26 | | 9.91 | 7.46 | | 12.23 | | 7.37 | 7.94 | | 7.84 | |
| Mean | 7.88 | 7.98 | 8.17 | 8.96 | 8.68 | 9.04 | 13.84 | 7.68 | 7.43 | 7.84 | 7.84 | 7.78 | |
| Max | 8.21 | 8.26 | 9.20 | 9.95 | 9.77 | 11.22 | 16.65 | 11.58 | 7.65 | 7.99 | 7.99 | 7.98 | 16.65 |
| Min | 7.72 | 7.83 | 7.67 | 7.82 | 7.35 | 7.52 | 10.99 | 7.33 | 7.35 | 7.35 | 7.71 | 7.62 | 7.33 |

Annual Max Momentary Gage Height 16.65 m. (MSL.) , at 12.00 Hours , on Oct 13 2006

Zero Gage at Bottom Elevation 6.11 m. (MSL.) , River Bed 4.84 m. (MSL.)

Left Bank Elevation 21.62 m. (MSL.) ,

Right Bank Elevation 21.59 m. (MSL.) , Drainage Are 14,449 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 74.70 | 55.80 | 81.00 | 47.40 | 195.30 | 41.80 | 437.40 | 375.80 | 27.50 | 21.50 | 53.00 | 46.00 | | |
| 2 | 67.70 | 55.80 | 81.70 | 66.30 | 195.30 | 40.60 | 499.60 | 199.80 | 27.50 | 21.50 | 53.00 | 47.40 | | |
| 3 | 65.60 | 55.80 | 84.50 | 60.00 | 194.40 | 38.80 | 616.00 | 81.70 | 27.00 | 21.50 | 53.00 | 47.40 | | |
| 4 | 64.20 | 49.50 | 83.10 | 67.70 | 191.70 | 38.20 | 717.50 | 50.20 | 26.50 | 44.20 | 47.40 | 46.70 | | |
| 5 | 63.50 | 48.10 | 82.40 | 72.60 | 188.10 | 37.60 | 735.70 | 33.00 | 26.50 | 52.30 | 47.40 | 45.40 | | |
| 6 | 53.00 | 48.80 | 94.30 | 73.30 | 188.10 | 35.80 | 703.20 | 24.50 | 26.00 | 59.30 | 47.40 | 43.00 | | |
| 7 | 45.40 | 48.80 | 142.80 | 71.90 | 188.10 | 30.00 | 649.90 | 24.00 | 25.50 | 59.30 | 48.80 | 40.60 | | |
| 8 | 44.80 | 48.80 | 146.00 | 72.60 | 185.40 | 30.50 | 685.00 | 24.00 | 25.50 | 59.30 | 51.60 | 37.00 | | |
| 9 | 43.60 | 50.20 | 136.40 | 77.50 | 185.40 | 31.50 | 780.20 | 24.50 | 29.50 | 59.30 | 51.60 | 35.20 | | |
| 10 | 43.60 | 52.30 | 130.80 | 79.60 | 182.70 | 34.60 | 878.20 | 25.50 | 36.40 | 59.30 | 51.60 | 35.20 | | |
| 11 | 43.60 | 51.60 | 113.20 | 90.10 | 180.90 | 37.60 | 938.40 | 25.00 | 37.00 | 55.10 | 48.10 | 35.80 | | |
| 12 | 50.20 | 51.60 | 80.30 | 86.60 | 180.00 | 41.20 | 994.40 | 24.50 | 37.00 | 55.10 | 48.10 | 35.80 | | |
| 13 | 53.00 | 51.60 | 74.70 | 100.60 | 179.10 | 108.30 | 1021.00 | 24.00 | 36.40 | 52.30 | 48.10 | 35.80 | | |
| 14 | 53.70 | 52.30 | 52.30 | 116.00 | 177.30 | 141.20 | 1019.60 | 23.50 | 23.50 | 52.30 | 48.10 | 35.20 | | |
| 15 | 53.70 | 53.70 | 46.70 | 118.80 | 176.40 | 146.80 | 1009.80 | 24.50 | 23.00 | 51.60 | 59.30 | 40.60 | | |
| 16 | 55.80 | 51.60 | 45.40 | 118.80 | 150.00 | 145.20 | 928.60 | 24.50 | 23.00 | 51.60 | 58.60 | 41.20 | | |
| 17 | 57.90 | 52.30 | 45.40 | 120.20 | 116.00 | 143.60 | 816.60 | 24.50 | 22.50 | 51.60 | 57.20 | 43.00 | | |
| 18 | 58.60 | 54.40 | 46.00 | 122.30 | 75.40 | 143.60 | 691.50 | 24.00 | 22.50 | 50.90 | 55.10 | 43.00 | | |
| 19 | 51.60 | 57.90 | 52.30 | 133.20 | 50.20 | 152.40 | 678.50 | 24.00 | 22.50 | 48.80 | 55.10 | 43.00 | | |
| 20 | 47.40 | 60.00 | 54.40 | 148.40 | 46.70 | 196.20 | 670.70 | 24.00 | 22.50 | 49.50 | 46.00 | 43.00 | | |
| 21 | 44.80 | 58.60 | 51.60 | 211.50 | 46.00 | 233.10 | 554.80 | 23.00 | 22.00 | 48.10 | 43.60 | 44.20 | | |
| 22 | 44.80 | 59.30 | 50.20 | 210.60 | 39.40 | 247.50 | 434.10 | 21.00 | 22.00 | 48.80 | 41.80 | 44.20 | | |
| 23 | 44.80 | 56.50 | 50.20 | 205.20 | 21.50 | 278.00 | 331.80 | 20.50 | 21.50 | 48.10 | 40.60 | 56.50 | | |
| 24 | 43.60 | 63.50 | 50.90 | 202.50 | 22.00 | 297.00 | 310.90 | 21.50 | 21.50 | 46.00 | 40.60 | 58.60 | | |
| 25 | 41.20 | 67.00 | 58.60 | 198.90 | 25.50 | 285.00 | 359.30 | 24.50 | 21.50 | 48.10 | 41.20 | 58.60 | | |
| 26 | 46.00 | 75.40 | 60.00 | 199.80 | 23.50 | 270.00 | 434.10 | 26.00 | 21.50 | 50.20 | 43.60 | 57.90 | | |
| 27 | 46.70 | 77.50 | 49.50 | 197.10 | 23.50 | 249.30 | 457.20 | 27.00 | 21.50 | 49.50 | 43.60 | 57.20 | | |
| 28 | 48.10 | 76.10 | 38.80 | 195.30 | 28.00 | 245.70 | 457.20 | 28.50 | 22.00 | 49.50 | 45.40 | 57.20 | | |
| 29 | 51.60 | 75.40 | 38.20 | 202.50 | 27.00 | 261.00 | 457.20 | 28.50 | 22.50 | 52.30 | | 53.00 | | |
| 30 | 55.10 | 73.30 | 38.20 | 207.90 | 26.50 | 336.20 | 463.80 | 28.50 | 22.50 | 52.30 | | 53.00 | | |
| 31 | | 78.20 | | 207.90 | 27.00 | | 447.30 | | 22.50 | 55.80 | | 48.80 | | |
| Total | 1558.30 | 1811.70 | 2159.90 | 4083.10 | 3536.40 | 4318.30 | 20179.50 | 1354.50 | 788.80 | 1525.00 | 1368.90 | 1409.50 | 44093.90 | CMSDAY |
| Mean | 51.94 | 58.44 | 72.00 | 131.71 | 114.08 | 143.94 | 650.95 | 45.15 | 25.45 | 49.19 | 48.89 | 45.47 | 120.81 | CMS |
| Max | 74.70 | 78.20 | 146.00 | 211.50 | 195.30 | 336.20 | 1021.00 | 375.80 | 37.00 | 59.30 | 59.30 | 58.60 | 1021.00 | CMS |
| Min | 41.20 | 48.10 | 38.20 | 47.40 | 21.50 | 30.00 | 310.90 | 20.50 | 21.50 | 21.50 | 40.60 | 35.20 | 20.50 | CMS |
| Runoff | 134.64 | 156.53 | 186.62 | 352.78 | 305.54 | 373.10 | 1743.51 | 117.03 | 68.15 | 131.76 | 118.27 | 121.78 | 3809.71 | MCM |

Momentary Peak 1021.00 CMS. at 16.65 m. (MSL.) at 12.00 Hours , on Oct 13, 2006

Runoff Yield 8.36 Liters/Second/Square KM. Momentary Peak Yield 70.66 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Tan Dieo , Phetchabun (S.3)

Lat 16 - 46 - 51 N Long 101 - 14 - 57 E

**Location : on left bank near the bridge of Samakkhichai - Nonthakit Road.**

**Ban** Tan Dieo **Amphoe** Lom Sak **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 1,037 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +136.630 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the staff gage. **Elevation** +142.630 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1950 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow regulated by the concrete weir about 150 meters downstream from the gage site. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

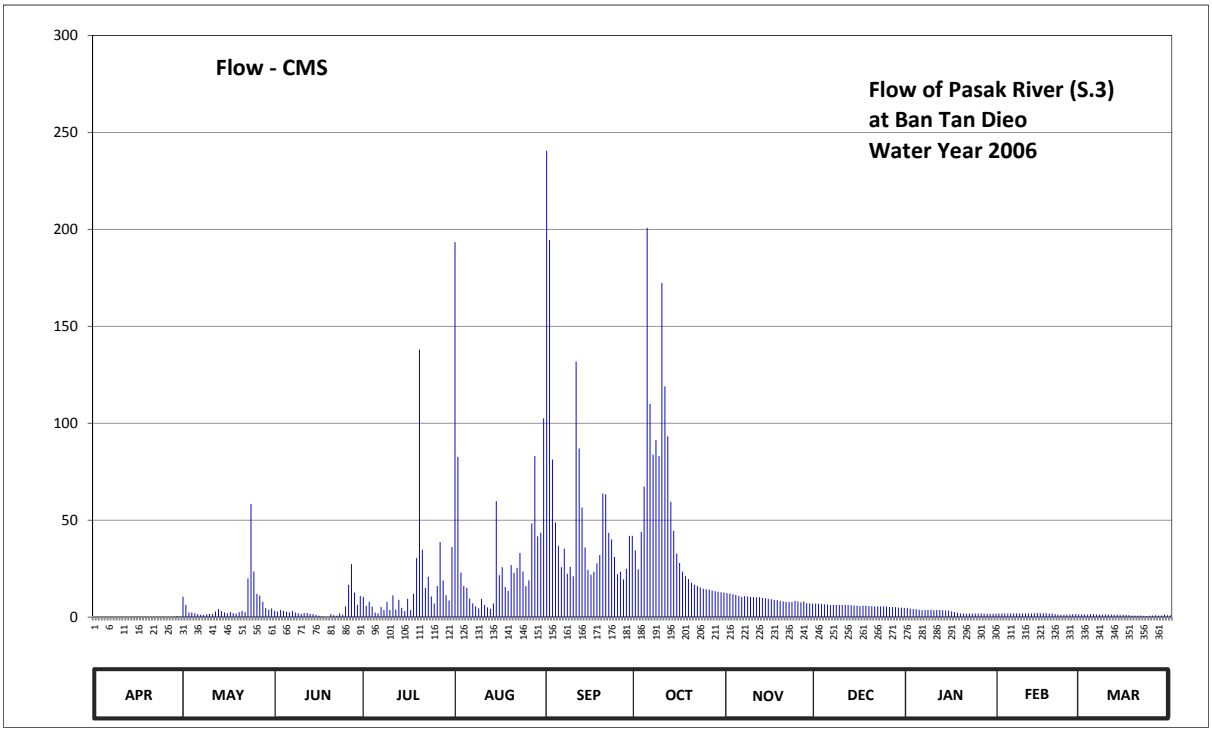
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 137.54 | 139.30 | 138.39 | 139.29 | 144.49 | 144.90 | 140.99 | 139.49 | 138.93 | 138.60 | 138.18 | 138.08 | |
| 2 | 137.53 | 138.84 | 138.32 | 138.77 | 142.79 | 144.50 | 140.44 | 139.46 | 138.92 | 138.56 | 138.18 | 138.08 | |
| 3 | 137.73 | 138.26 | 138.45 | 139.03 | 140.33 | 142.75 | 141.44 | 139.43 | 138.91 | 138.53 | 138.18 | 138.06 | |
| 4 | 137.71 | 138.26 | 138.38 | 138.72 | 139.80 | 141.63 | 142.31 | 139.40 | 138.88 | 138.52 | 138.16 | 138.10 | |
| 5 | 137.73 | 138.20 | 138.32 | 138.25 | 139.73 | 141.11 | 144.56 | 139.35 | 138.86 | 138.48 | 138.16 | 138.10 | |
| 6 | 137.76 | 138.11 | 138.27 | 138.18 | 139.21 | 140.50 | 143.40 | 139.29 | 138.83 | 138.45 | 138.18 | 138.06 | |
| 7 | 137.59 | 138.06 | 138.39 | 138.69 | 138.94 | 141.04 | 142.82 | 139.33 | 138.83 | 138.45 | 138.18 | 138.06 | |
| 8 | 137.33 | 138.03 | 138.26 | 138.46 | 138.73 | 140.29 | 143.01 | 139.31 | 138.83 | 138.46 | 138.18 | 138.06 | |
| 9 | 137.43 | 138.09 | 138.20 | 139.04 | 138.59 | 140.51 | 142.80 | 139.29 | 138.83 | 138.47 | 138.18 | 138.08 | |
| 10 | 137.38 | 138.13 | 138.13 | 138.46 | 139.19 | 140.20 | 144.27 | 139.28 | 138.83 | 138.44 | 138.18 | 138.07 | |
| 11 | 137.43 | 138.13 | 138.21 | 139.37 | 138.83 | 143.75 | 143.55 | 139.27 | 138.83 | 138.46 | 138.18 | 138.06 | |
| 12 | 137.43 | 138.33 | 138.22 | 138.49 | 138.66 | 142.90 | 143.05 | 139.27 | 138.83 | 138.46 | 138.17 | 138.05 | |
| 13 | 137.38 | 138.53 | 138.14 | 139.14 | 138.54 | 141.94 | 142.05 | 139.24 | 138.81 | 138.44 | 138.19 | 138.05 | |
| 14 | 137.36 | 138.37 | 138.11 | 138.62 | 138.93 | 141.07 | 141.46 | 139.22 | 138.79 | 138.43 | 138.21 | 138.05 | |
| 15 | 137.36 | 138.26 | 138.03 | 138.37 | 142.06 | 140.42 | 140.90 | 139.19 | 138.79 | 138.41 | 138.20 | 138.03 | |
| 16 | 137.38 | 138.20 | 137.95 | 139.19 | 140.24 | 140.26 | 140.62 | 139.17 | 138.74 | 138.35 | 138.20 | 138.03 | |
| 17 | 137.38 | 138.30 | 137.85 | 138.45 | 140.50 | 140.36 | 140.36 | 139.14 | 138.78 | 138.29 | 138.20 | 138.00 | |
| 18 | 137.38 | 138.19 | 137.76 | 139.46 | 139.76 | 140.61 | 140.21 | 139.12 | 138.78 | 138.23 | 138.17 | 137.97 | |
| 19 | 137.38 | 138.16 | 137.69 | 140.77 | 139.60 | 140.86 | 140.09 | 139.09 | 138.75 | 138.18 | 138.17 | 137.96 | |
| 20 | 137.45 | 138.28 | 138.09 | 143.84 | 140.56 | 142.19 | 139.94 | 139.06 | 138.74 | 138.17 | 138.11 | 137.96 | |
| 21 | 137.48 | 138.39 | 138.00 | 141.01 | 140.32 | 142.18 | 139.85 | 139.03 | 138.73 | 138.16 | 138.06 | 137.96 | |
| 22 | 137.51 | 138.29 | 137.94 | 139.72 | 140.48 | 141.42 | 139.80 | 139.03 | 138.73 | 138.16 | 138.04 | 137.93 | |
| 23 | 137.53 | 140.12 | 138.18 | 140.18 | 140.92 | 141.27 | 139.74 | 139.03 | 138.73 | 138.16 | 138.04 | 137.91 | |
| 24 | 137.48 | 142.01 | 138.05 | 139.31 | 140.37 | 140.80 | 139.69 | 139.08 | 138.73 | 138.16 | 138.06 | 137.95 | |
| 25 | 137.74 | 140.37 | 138.73 | 138.93 | 139.80 | 140.28 | 139.67 | 139.06 | 138.73 | 138.16 | 138.07 | 137.96 | |
| 26 | 137.70 | 139.45 | 139.85 | 139.80 | 140.04 | 140.36 | 139.66 | 139.01 | 138.68 | 138.18 | 138.11 | 137.99 | |
| 27 | 137.74 | 139.36 | 140.59 | 141.21 | 141.61 | 140.08 | 139.62 | 139.06 | 138.68 | 138.16 | 138.12 | 137.97 | |
| 28 | 137.83 | 139.04 | 139.51 | 140.03 | 142.80 | 140.45 | 139.59 | 138.96 | 138.67 | 138.15 | 138.08 | 137.96 | |
| 29 | 137.91 | 138.60 | 138.85 | 139.38 | 141.34 | 141.35 | 139.56 | 138.94 | 138.65 | 138.15 | | 138.07 | |
| 30 | 137.84 | 138.47 | 139.34 | 139.11 | 141.42 | 141.35 | 139.53 | 138.93 | 138.64 | 138.15 | | 137.99 | |
| 31 | | 138.57 | | 141.08 | 143.25 | | 139.51 | | 138.63 | 138.15 | | 137.98 | |
| Mean | 137.55 | 138.67 | 138.41 | 139.43 | 140.38 | 141.38 | 141.11 | 139.18 | 138.78 | 138.33 | 138.15 | 138.02 | |
| Max | 137.91 | 142.01 | 140.59 | 143.84 | 144.49 | 144.90 | 144.56 | 139.49 | 138.93 | 138.60 | 138.21 | 138.10 | 144.90 |
| Min | 137.33 | 138.03 | 137.69 | 138.18 | 138.54 | 140.08 | 139.51 | 138.93 | 138.63 | 138.15 | 138.04 | 137.91 | 137.33 |

Annual Max Momentary Gage Height 144.91 m. (MSL.) , at 12.00 Hours , on Sep 1, 2006

Zero Gage at Bottom Elevation 136.63 m. (MSL.) , River Bed 136.51 m. (MSL.)

Left Bank Elevation 146.38 m. (MSL.) ,

Right Bank Elevation 146.28 m. (MSL.) , Drainage Are 1,037 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 10.50 | 3.24 | 10.40 | 193.45 | 240.50 | 34.33 | 12.40 | 6.98 | 4.60 | 1.90 | 1.40 | | |
| 2 | 0.00 | 6.30 | 2.78 | 5.79 | 82.65 | 194.50 | 24.70 | 12.10 | 6.90 | 4.34 | 1.90 | 1.40 | | |
| 3 | 0.00 | 2.39 | 3.63 | 7.80 | 22.95 | 81.25 | 44.00 | 11.80 | 6.83 | 4.15 | 1.90 | 1.30 | | |
| 4 | 0.00 | 2.39 | 3.17 | 5.44 | 16.00 | 48.75 | 67.30 | 11.50 | 6.60 | 4.08 | 1.80 | 1.50 | | |
| 5 | 0.00 | 2.00 | 2.78 | 2.33 | 15.13 | 36.70 | 200.80 | 11.00 | 6.45 | 3.82 | 1.80 | 1.50 | | |
| 6 | 0.00 | 1.55 | 2.46 | 1.90 | 9.60 | 25.75 | 110.00 | 10.40 | 6.23 | 3.63 | 1.90 | 1.30 | | |
| 7 | 0.00 | 1.30 | 3.24 | 5.23 | 7.05 | 35.30 | 83.80 | 10.80 | 6.23 | 3.63 | 1.90 | 1.30 | | |
| 8 | 0.00 | 1.15 | 2.39 | 3.69 | 5.51 | 22.35 | 91.45 | 10.60 | 6.23 | 3.69 | 1.90 | 1.30 | | |
| 9 | 0.00 | 1.45 | 2.00 | 7.90 | 4.54 | 25.93 | 83.00 | 10.40 | 6.23 | 3.76 | 1.90 | 1.40 | | |
| 10 | 0.00 | 1.65 | 1.65 | 3.69 | 9.40 | 21.00 | 172.30 | 10.30 | 6.23 | 3.56 | 1.90 | 1.35 | | |
| 11 | 0.00 | 1.65 | 2.07 | 11.20 | 6.23 | 131.75 | 119.00 | 10.20 | 6.23 | 3.69 | 1.90 | 1.30 | | |
| 12 | 0.00 | 2.85 | 2.13 | 3.89 | 5.02 | 87.00 | 93.25 | 10.20 | 6.23 | 3.69 | 1.85 | 1.25 | | |
| 13 | 0.00 | 4.15 | 1.70 | 8.90 | 4.21 | 56.50 | 59.50 | 9.90 | 6.08 | 3.56 | 1.95 | 1.25 | | |
| 14 | 0.00 | 3.11 | 1.55 | 4.74 | 6.98 | 35.90 | 44.50 | 9.70 | 5.93 | 3.50 | 2.07 | 1.25 | | |
| 15 | 0.00 | 2.39 | 1.15 | 3.11 | 59.80 | 24.35 | 32.75 | 9.40 | 5.93 | 3.37 | 2.00 | 1.15 | | |
| 16 | 0.00 | 2.00 | 0.75 | 9.40 | 21.60 | 21.90 | 27.85 | 9.20 | 5.58 | 2.98 | 2.00 | 1.15 | | |
| 17 | 0.00 | 2.65 | 0.25 | 3.63 | 25.75 | 23.40 | 23.40 | 8.90 | 5.86 | 2.59 | 2.00 | 1.00 | | |
| 18 | 0.00 | 1.95 | 0.00 | 12.10 | 15.50 | 27.68 | 21.15 | 8.70 | 5.86 | 2.20 | 1.85 | 0.85 | | |
| 19 | 0.00 | 1.80 | 0.00 | 30.48 | 13.50 | 32.05 | 19.63 | 8.40 | 5.65 | 1.90 | 1.85 | 0.80 | | |
| 20 | 0.00 | 2.52 | 1.45 | 138.00 | 26.80 | 63.70 | 17.75 | 8.10 | 5.58 | 1.85 | 1.55 | 0.80 | | |
| 21 | 0.00 | 3.24 | 1.00 | 34.70 | 22.80 | 63.40 | 16.63 | 7.80 | 5.51 | 1.80 | 1.30 | 0.80 | | |
| 22 | 0.00 | 2.59 | 0.70 | 15.00 | 25.40 | 43.50 | 16.00 | 7.80 | 5.51 | 1.80 | 1.20 | 0.65 | | |
| 23 | 0.00 | 20.00 | 1.90 | 20.75 | 33.10 | 40.08 | 15.25 | 7.80 | 5.51 | 1.80 | 1.20 | 0.55 | | |
| 24 | 0.00 | 58.30 | 1.25 | 10.60 | 23.55 | 31.00 | 14.63 | 8.30 | 5.51 | 1.80 | 1.30 | 0.75 | | |
| 25 | 0.00 | 23.55 | 5.51 | 6.98 | 16.00 | 22.20 | 14.38 | 8.10 | 5.51 | 1.80 | 1.35 | 0.80 | | |
| 26 | 0.00 | 12.00 | 16.63 | 16.00 | 19.00 | 23.40 | 14.25 | 7.60 | 5.16 | 1.90 | 1.55 | 0.95 | | |
| 27 | 0.00 | 11.10 | 27.33 | 38.73 | 48.25 | 19.50 | 13.75 | 8.10 | 5.16 | 1.80 | 1.60 | 0.85 | | |
| 28 | 0.15 | 7.90 | 12.60 | 18.88 | 83.00 | 24.88 | 13.40 | 7.20 | 5.09 | 1.75 | 1.40 | 0.80 | | |
| 29 | 0.55 | 4.60 | 6.38 | 11.30 | 41.65 | 41.88 | 13.10 | 7.05 | 4.95 | 1.75 | | 1.35 | | |
| 30 | 0.20 | 3.76 | 10.90 | 8.60 | 43.50 | 41.88 | 12.80 | 6.98 | 4.88 | 1.75 | | 0.95 | | |
| 31 | | 4.41 | | 36.10 | 102.50 | | 12.60 | | 4.81 | 1.75 | | 0.90 | | |
| Total | 0.90 | 207.20 | 122.59 | 497.26 | 1010.42 | 1587.98 | 1527.25 | 280.73 | 181.44 | 88.29 | 48.72 | 33.90 | 5586.68 | CMSDAY |
| Mean | 0.03 | 6.68 | 4.09 | 16.04 | 32.59 | 52.93 | 49.27 | 9.36 | 5.85 | 2.85 | 1.74 | 1.09 | 15.31 | CMS |
| Max | 0.55 | 58.30 | 27.33 | 138.00 | 193.45 | 240.50 | 200.80 | 12.40 | 6.98 | 4.60 | 2.07 | 1.50 | 240.50 | CMS |
| Min | 0.00 | 1.15 | 0.00 | 1.90 | 4.21 | 19.50 | 12.60 | 6.98 | 4.81 | 1.75 | 1.20 | 0.55 | 0.00 | CMS |
| Runoff | 0.08 | 17.90 | 10.59 | 42.96 | 87.30 | 137.20 | 131.95 | 24.26 | 15.68 | 7.63 | 4.21 | 2.93 | 482.69 | MCM |

Momentary Peak 241.75 CMS. at 144.91 m. (MSL.) at 12.00 Hours , on Sep 1, 2006

Runoff Yield 14.76 Liters/Second/Square KM. Momentary Peak Yield 233.12 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Mueang , Phetchabun (S.4B)

Lat 16 - 25 - 16 N Long 101 - 10 - 08 E

**Location : on left bank about 300 meters downstream, Phatthana Phak Nua 2 bridge.**

**Ban** Nai Mueang **Amphoe** Mueang **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 3,459 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +106.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank in front of town - hall Changwat Phetchabun. **Elevation** +116.106 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1996 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the local weir about 400 meters downstream from the gage site. Stage-discharge relation defined by 40 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

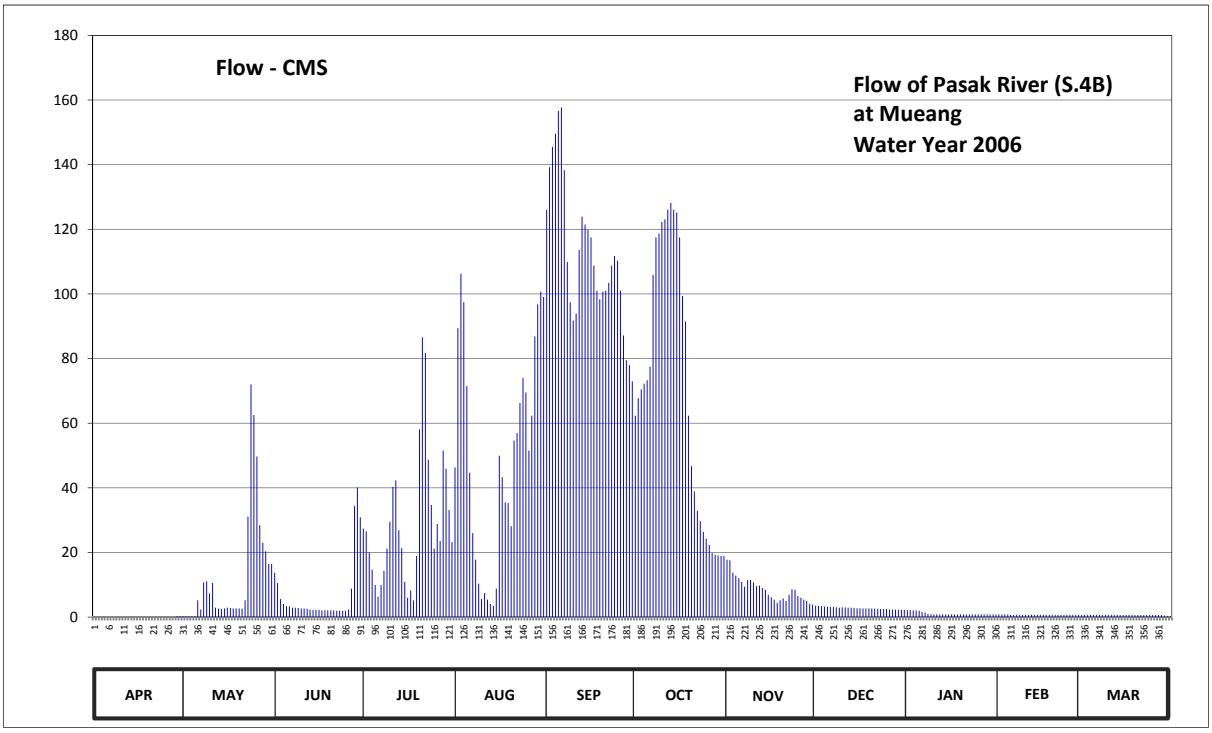
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 108.98 | 109.25 | 110.34 | 111.08 | 112.04 | 114.86 | 112.77 | 110.55 | 109.80 | 109.57 | 109.34 | 109.32 | |
| 2 | 109.00 | 109.25 | 110.17 | 111.03 | 113.83 | 115.16 | 112.99 | 110.54 | 109.79 | 109.57 | 109.34 | 109.32 | |
| 3 | 109.01 | 109.24 | 109.91 | 110.67 | 114.35 | 115.30 | 113.10 | 110.34 | 109.78 | 109.56 | 109.34 | 109.32 | |
| 4 | 109.02 | 109.24 | 109.83 | 110.39 | 114.09 | 115.39 | 113.17 | 110.29 | 109.76 | 109.56 | 109.34 | 109.32 | |
| 5 | 109.02 | 109.24 | 109.78 | 110.14 | 113.14 | 115.52 | 113.21 | 110.25 | 109.75 | 109.54 | 109.32 | 109.32 | |
| 6 | 109.02 | 109.89 | 109.78 | 109.95 | 111.96 | 115.54 | 113.38 | 110.19 | 109.74 | 109.47 | 109.32 | 109.32 | |
| 7 | 109.00 | 109.60 | 109.70 | 110.14 | 111.00 | 115.14 | 114.34 | 110.11 | 109.74 | 109.44 | 109.32 | 109.32 | |
| 8 | 109.02 | 110.18 | 109.70 | 110.37 | 110.55 | 114.45 | 114.65 | 110.22 | 109.72 | 109.37 | 109.32 | 109.32 | |
| 9 | 109.03 | 110.20 | 109.68 | 110.73 | 110.16 | 114.09 | 114.68 | 110.22 | 109.70 | 109.35 | 109.32 | 109.32 | |
| 10 | 109.03 | 110.00 | 109.66 | 111.20 | 109.91 | 113.91 | 114.77 | 110.18 | 109.72 | 109.34 | 109.32 | 109.32 | |
| 11 | 109.05 | 110.17 | 109.66 | 111.74 | 110.01 | 113.98 | 114.79 | 110.12 | 109.72 | 109.34 | 109.32 | 109.32 | |
| 12 | 109.05 | 109.70 | 109.64 | 111.84 | 109.90 | 114.55 | 114.86 | 110.13 | 109.70 | 109.34 | 109.32 | 109.32 | |
| 13 | 109.07 | 109.65 | 109.60 | 111.05 | 109.83 | 114.81 | 114.91 | 110.09 | 109.70 | 109.34 | 109.32 | 109.32 | |
| 14 | 109.08 | 109.64 | 109.58 | 110.74 | 109.79 | 114.75 | 114.86 | 110.06 | 109.69 | 109.34 | 109.32 | 109.31 | |
| 15 | 109.08 | 109.66 | 109.58 | 110.19 | 110.08 | 114.71 | 114.84 | 109.98 | 109.67 | 109.34 | 109.32 | 109.31 | |
| 16 | 109.08 | 109.70 | 109.58 | 109.93 | 112.22 | 114.65 | 114.65 | 109.94 | 109.67 | 109.34 | 109.32 | 109.31 | |
| 17 | 109.09 | 109.68 | 109.56 | 110.05 | 111.89 | 114.42 | 114.15 | 109.90 | 109.66 | 109.34 | 109.32 | 109.31 | |
| 18 | 109.09 | 109.66 | 109.56 | 109.89 | 111.50 | 114.20 | 113.90 | 109.85 | 109.66 | 109.34 | 109.32 | 109.31 | |
| 19 | 109.09 | 109.66 | 109.56 | 110.61 | 111.49 | 114.12 | 112.77 | 109.89 | 109.66 | 109.34 | 109.32 | 109.31 | |
| 20 | 109.14 | 109.66 | 109.56 | 112.58 | 111.12 | 114.19 | 112.06 | 109.92 | 109.66 | 109.34 | 109.32 | 109.31 | |
| 21 | 109.15 | 109.65 | 109.56 | 113.73 | 112.43 | 114.20 | 111.67 | 109.88 | 109.65 | 109.34 | 109.32 | 109.31 | |
| 22 | 109.15 | 109.89 | 109.54 | 113.55 | 112.53 | 114.27 | 111.37 | 109.98 | 109.64 | 109.34 | 109.32 | 109.31 | |
| 23 | 109.15 | 111.28 | 109.54 | 112.16 | 112.93 | 114.42 | 111.21 | 110.07 | 109.63 | 109.34 | 109.32 | 109.31 | |
| 24 | 109.15 | 113.16 | 109.54 | 111.46 | 113.24 | 114.50 | 111.02 | 110.06 | 109.62 | 109.34 | 109.32 | 109.31 | |
| 25 | 109.14 | 112.78 | 109.54 | 110.73 | 113.06 | 114.46 | 110.90 | 109.96 | 109.62 | 109.34 | 109.32 | 109.31 | |
| 26 | 109.14 | 112.21 | 109.60 | 111.16 | 112.29 | 114.20 | 110.79 | 109.93 | 109.61 | 109.34 | 109.32 | 109.31 | |
| 27 | 109.18 | 111.14 | 110.08 | 110.86 | 112.77 | 113.75 | 110.66 | 109.90 | 109.60 | 109.34 | 109.32 | 109.31 | |
| 28 | 109.20 | 110.83 | 111.44 | 112.29 | 113.74 | 113.46 | 110.63 | 109.88 | 109.60 | 109.34 | 109.32 | 109.31 | |
| 29 | 109.25 | 110.69 | 111.73 | 112.02 | 114.07 | 113.40 | 110.62 | 109.83 | 109.59 | 109.34 | | 109.28 | |
| 30 | 109.26 | 110.48 | 111.27 | 111.38 | 114.19 | 113.20 | 110.61 | 109.82 | 109.59 | 109.34 | | 109.24 | |
| 31 | | 110.48 | | 110.84 | 114.14 | | 110.61 | | 109.59 | 109.34 | | 109.24 | |
| Mean | 109.09 | 110.19 | 109.88 | 111.11 | 112.07 | 114.45 | 112.87 | 110.07 | 109.68 | 109.38 | 109.32 | 109.31 | |
| Max | 109.26 | 113.16 | 111.73 | 113.73 | 114.35 | 115.54 | 114.91 | 110.55 | 109.80 | 109.57 | 109.34 | 109.32 | 115.54 |
| Min | 108.98 | 109.24 | 109.54 | 109.89 | 109.79 | 113.20 | 110.61 | 109.82 | 109.59 | 109.34 | 109.32 | 109.24 | 108.98 |

Annual Max Momentary Gage Height 115.55 m. (MSL.) , at 06.00 Hours , on Sep 6 , 2006

Zero Gage at Bottom Elevation 106.50 m. (MSL.) , River Bed 106.86 m. (MSL.)

Left Bank Elevation 115.90 m. (MSL.) ,

Right Bank Elevation 115.90 m. (MSL.) , Drainage Are 3,459 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.29 | 13.76 | 27.40 | 46.30 | 126.05 | 62.33 | 17.75 | 3.50 | 2.16 | 0.82 | 0.70 | | |
| 2 | 0.00 | 0.29 | 10.53 | 26.53 | 89.40 | 139.20 | 67.75 | 17.56 | 3.44 | 2.16 | 0.82 | 0.70 | | |
| 3 | 0.00 | 0.23 | 5.59 | 20.03 | 106.25 | 145.50 | 70.50 | 13.76 | 3.38 | 2.10 | 0.82 | 0.70 | | |
| 4 | 0.00 | 0.23 | 4.07 | 14.71 | 97.43 | 149.55 | 72.25 | 12.81 | 3.27 | 2.10 | 0.82 | 0.70 | | |
| 5 | 0.00 | 0.23 | 3.38 | 9.96 | 71.50 | 156.60 | 73.25 | 12.05 | 3.21 | 1.98 | 0.70 | 0.70 | | |
| 6 | 0.00 | 5.21 | 3.38 | 6.35 | 44.70 | 157.70 | 77.50 | 10.91 | 3.15 | 1.58 | 0.70 | 0.70 | | |
| 7 | 0.00 | 2.33 | 2.92 | 9.96 | 26.00 | 138.30 | 105.90 | 9.39 | 3.15 | 1.40 | 0.70 | 0.70 | | |
| 8 | 0.00 | 10.72 | 2.92 | 14.33 | 17.75 | 109.88 | 117.50 | 11.48 | 3.03 | 0.99 | 0.70 | 0.70 | | |
| 9 | 0.00 | 11.10 | 2.80 | 21.17 | 10.34 | 97.43 | 118.70 | 11.48 | 2.92 | 0.88 | 0.70 | 0.70 | | |
| 10 | 0.00 | 7.30 | 2.68 | 29.50 | 5.59 | 91.80 | 122.30 | 10.72 | 3.03 | 0.82 | 0.70 | 0.70 | | |
| 11 | 0.00 | 10.53 | 2.68 | 40.30 | 7.49 | 93.90 | 123.10 | 9.58 | 3.03 | 0.82 | 0.70 | 0.70 | | |
| 12 | 0.00 | 2.92 | 2.57 | 42.30 | 5.40 | 113.63 | 126.05 | 9.77 | 2.92 | 0.82 | 0.70 | 0.70 | | |
| 13 | 0.00 | 2.63 | 2.33 | 26.88 | 4.07 | 123.93 | 128.18 | 9.01 | 2.92 | 0.82 | 0.70 | 0.70 | | |
| 14 | 0.00 | 2.57 | 2.22 | 21.36 | 3.44 | 121.50 | 126.05 | 8.44 | 2.86 | 0.82 | 0.70 | 0.64 | | |
| 15 | 0.00 | 2.68 | 2.22 | 10.91 | 8.82 | 119.90 | 125.20 | 6.92 | 2.74 | 0.82 | 0.70 | 0.64 | | |
| 16 | 0.00 | 2.92 | 2.22 | 5.97 | 49.95 | 117.50 | 117.50 | 6.16 | 2.74 | 0.82 | 0.70 | 0.64 | | |
| 17 | 0.00 | 2.80 | 2.10 | 8.25 | 43.30 | 108.75 | 99.38 | 5.40 | 2.68 | 0.82 | 0.70 | 0.64 | | |
| 18 | 0.00 | 2.68 | 2.10 | 5.21 | 35.50 | 101.00 | 91.50 | 4.45 | 2.68 | 0.82 | 0.70 | 0.64 | | |
| 19 | 0.00 | 2.68 | 2.10 | 18.89 | 35.30 | 98.40 | 62.33 | 5.21 | 2.68 | 0.82 | 0.70 | 0.64 | | |
| 20 | 0.00 | 2.68 | 2.10 | 58.05 | 28.10 | 100.68 | 46.70 | 5.78 | 2.68 | 0.82 | 0.70 | 0.64 | | |
| 21 | 0.00 | 2.63 | 2.10 | 86.58 | 54.68 | 101.00 | 38.90 | 5.02 | 2.63 | 0.82 | 0.70 | 0.64 | | |
| 22 | 0.00 | 5.21 | 1.98 | 81.75 | 56.93 | 103.45 | 32.90 | 6.92 | 2.57 | 0.82 | 0.70 | 0.64 | | |
| 23 | 0.00 | 31.10 | 1.98 | 48.70 | 66.25 | 108.75 | 29.70 | 8.63 | 2.51 | 0.82 | 0.70 | 0.64 | | |
| 24 | 0.00 | 72.00 | 1.98 | 34.70 | 74.00 | 111.75 | 26.35 | 8.44 | 2.45 | 0.82 | 0.70 | 0.64 | | |
| 25 | 0.00 | 62.55 | 1.98 | 21.17 | 69.50 | 110.25 | 24.25 | 6.54 | 2.45 | 0.82 | 0.70 | 0.64 | | |
| 26 | 0.00 | 49.73 | 2.33 | 28.80 | 51.53 | 101.00 | 22.31 | 5.97 | 2.39 | 0.82 | 0.70 | 0.64 | | |
| 27 | 0.00 | 28.45 | 8.82 | 23.55 | 62.33 | 87.13 | 19.84 | 5.40 | 2.33 | 0.82 | 0.70 | 0.64 | | |
| 28 | 0.00 | 23.03 | 34.30 | 51.53 | 86.85 | 79.50 | 19.27 | 5.02 | 2.33 | 0.82 | 0.70 | 0.64 | | |
| 29 | 0.29 | 20.41 | 40.10 | 45.90 | 96.78 | 78.00 | 19.08 | 4.07 | 2.28 | 0.82 | | 0.47 | | |
| 30 | 0.35 | 16.42 | 30.90 | 33.10 | 100.68 | 73.00 | 18.89 | 3.88 | 2.28 | 0.82 | | 0.23 | | |
| 31 | | 16.42 | | 23.20 | 99.05 | | 18.89 | | 2.28 | 0.82 | | 0.23 | | |
| Total | 0.64 | 400.97 | 201.14 | 897.04 | 1555.21 | 3365.03 | 2204.35 | 258.52 | 86.51 | 33.39 | 20.08 | 19.63 | 9042.51 | CMSDAY |
| Mean | 0.02 | 12.93 | 6.70 | 28.94 | 50.17 | 112.17 | 71.11 | 8.62 | 2.79 | 1.08 | 0.72 | 0.63 | 24.77 | CMS |
| Max | 0.35 | 72.00 | 40.10 | 86.58 | 106.25 | 157.70 | 128.18 | 17.75 | 3.50 | 2.16 | 0.82 | 0.70 | 157.70 | CMS |
| Min | 0.00 | 0.23 | 1.98 | 5.21 | 3.44 | 73.00 | 18.89 | 3.88 | 2.28 | 0.82 | 0.70 | 0.23 | 0.00 | CMS |
| Runoff | 0.06 | 34.64 | 17.38 | 77.50 | 134.37 | 290.74 | 190.46 | 22.34 | 7.47 | 2.88 | 1.73 | 1.70 | 781.27 | MCM |

Momentary Peak 158.25 CMS. at 115.55 m. (MSL.) at 06.00 Hours , on Sep 6, 2006

Runoff Yield 7.16 Liters/Second/Square KM. Momentary Peak Yield 45.75 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Lam Muak Lek at Ban Tharahad , Saraburi (S.7A)

Lat 14 - 47 - 17 N Long 101 - 07 - 18 E

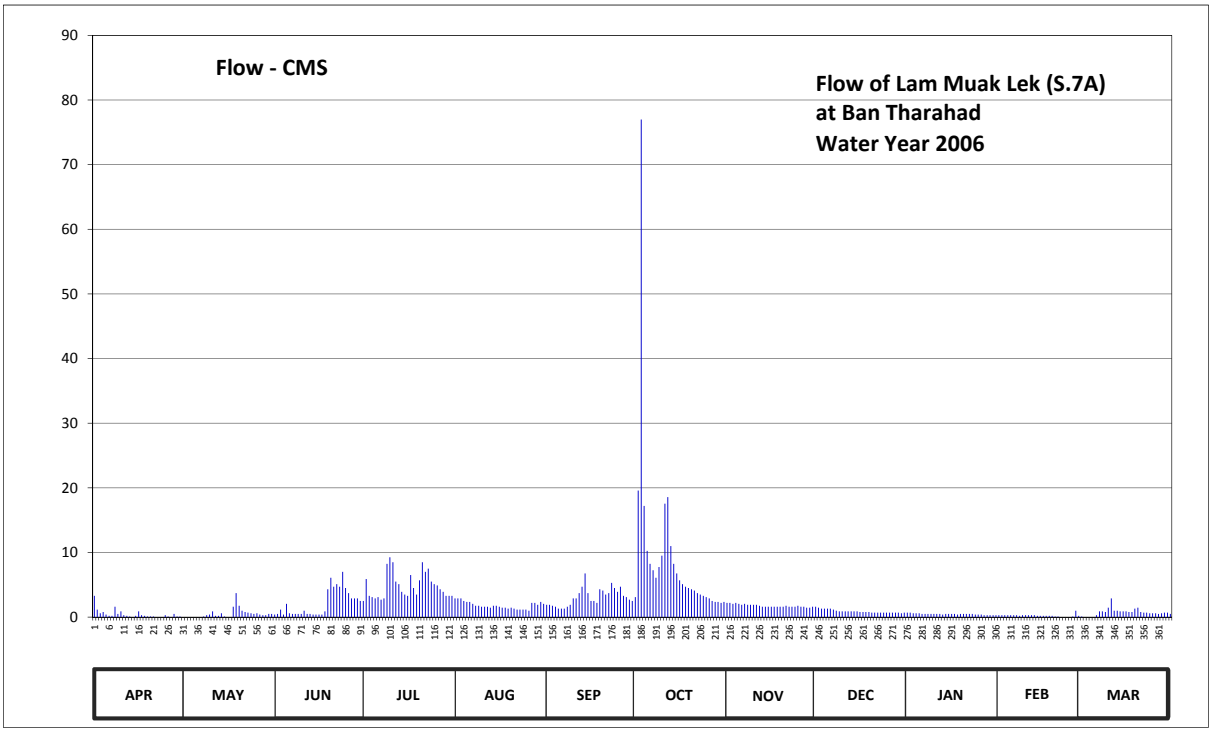
**Location : on right bank at Ban Tharahad.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Tharahad | **Amphoe** Wang Muang | **Changwat** Saraburi | | |
| **Drainge Area** | 580 sq.km. | | | | |
| **Type of Gage** | Staff gage. | | | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On right bank near the bridge. | | **Elevation** +11.282 m.(A.D.) | | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | | | |
| **Period of Available Gage Records** | 2003 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2003 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2003 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 47 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.64 | 0.40 | 0.44 | 0.60 | 0.62 | 0.56 | 0.63 | 0.58 | 0.54 | 0.47 | 0.43 | 0.41 | |
| 2 | 0.51 | 0.40 | 0.45 | 0.77 | 0.62 | 0.56 | 1.27 | 0.58 | 0.53 | 0.47 | 0.43 | 0.40 | |
| 3 | 0.46 | 0.39 | 0.51 | 0.64 | 0.62 | 0.55 | 2.50 | 0.57 | 0.52 | 0.46 | 0.43 | 0.40 | |
| 4 | 0.48 | 0.39 | 0.44 | 0.63 | 0.60 | 0.54 | 1.20 | 0.58 | 0.52 | 0.46 | 0.43 | 0.40 | |
| 5 | 0.44 | 0.39 | 0.57 | 0.62 | 0.59 | 0.52 | 0.95 | 0.57 | 0.52 | 0.46 | 0.43 | 0.40 | |
| 6 | 0.42 | 0.39 | 0.46 | 0.63 | 0.59 | 0.52 | 0.87 | 0.56 | 0.52 | 0.45 | 0.43 | 0.43 | |
| 7 | 0.42 | 0.39 | 0.45 | 0.61 | 0.57 | 0.52 | 0.83 | 0.57 | 0.51 | 0.45 | 0.43 | 0.49 | |
| 8 | 0.54 | 0.41 | 0.45 | 0.62 | 0.55 | 0.54 | 0.78 | 0.56 | 0.50 | 0.45 | 0.42 | 0.49 | |
| 9 | 0.45 | 0.43 | 0.45 | 0.87 | 0.55 | 0.56 | 0.85 | 0.56 | 0.49 | 0.45 | 0.43 | 0.48 | |
| 10 | 0.49 | 0.44 | 0.45 | 0.91 | 0.54 | 0.62 | 0.92 | 0.56 | 0.49 | 0.45 | 0.43 | 0.53 | |
| 11 | 0.43 | 0.49 | 0.50 | 0.88 | 0.54 | 0.62 | 1.21 | 0.56 | 0.49 | 0.45 | 0.43 | 0.62 | |
| 12 | 0.42 | 0.42 | 0.45 | 0.75 | 0.54 | 0.66 | 1.24 | 0.55 | 0.49 | 0.45 | 0.43 | 0.50 | |
| 13 | 0.41 | 0.42 | 0.45 | 0.73 | 0.53 | 0.71 | 0.98 | 0.54 | 0.49 | 0.44 | 0.43 | 0.50 | |
| 14 | 0.40 | 0.46 | 0.44 | 0.67 | 0.55 | 0.81 | 0.87 | 0.54 | 0.49 | 0.45 | 0.42 | 0.49 | |
| 15 | 0.42 | 0.41 | 0.44 | 0.65 | 0.55 | 0.66 | 0.81 | 0.54 | 0.49 | 0.45 | 0.42 | 0.49 | |
| 16 | 0.49 | 0.40 | 0.44 | 0.64 | 0.54 | 0.60 | 0.76 | 0.54 | 0.48 | 0.45 | 0.42 | 0.49 | |
| 17 | 0.43 | 0.40 | 0.44 | 0.80 | 0.53 | 0.60 | 0.73 | 0.54 | 0.48 | 0.45 | 0.42 | 0.48 | |
| 18 | 0.42 | 0.54 | 0.49 | 0.70 | 0.53 | 0.58 | 0.71 | 0.54 | 0.48 | 0.44 | 0.42 | 0.48 | |
| 19 | 0.41 | 0.66 | 0.69 | 0.65 | 0.52 | 0.69 | 0.70 | 0.54 | 0.48 | 0.45 | 0.42 | 0.52 | |
| 20 | 0.41 | 0.55 | 0.78 | 0.76 | 0.53 | 0.68 | 0.69 | 0.54 | 0.47 | 0.45 | 0.41 | 0.53 | |
| 21 | 0.41 | 0.50 | 0.71 | 0.88 | 0.52 | 0.65 | 0.68 | 0.55 | 0.47 | 0.45 | 0.41 | 0.48 | |
| 22 | 0.40 | 0.48 | 0.73 | 0.82 | 0.51 | 0.66 | 0.66 | 0.54 | 0.47 | 0.45 | 0.40 | 0.47 | |
| 23 | 0.40 | 0.47 | 0.71 | 0.84 | 0.51 | 0.74 | 0.65 | 0.54 | 0.47 | 0.45 | 0.40 | 0.47 | |
| 24 | 0.39 | 0.46 | 0.82 | 0.75 | 0.51 | 0.70 | 0.64 | 0.54 | 0.47 | 0.44 | 0.40 | 0.46 | |
| 25 | 0.43 | 0.45 | 0.70 | 0.73 | 0.51 | 0.67 | 0.63 | 0.55 | 0.47 | 0.44 | 0.40 | 0.46 | |
| 26 | 0.41 | 0.46 | 0.66 | 0.72 | 0.50 | 0.71 | 0.62 | 0.54 | 0.47 | 0.44 | 0.41 | 0.46 | |
| 27 | 0.40 | 0.44 | 0.62 | 0.69 | 0.58 | 0.64 | 0.60 | 0.54 | 0.47 | 0.43 | 0.50 | 0.45 | |
| 28 | 0.45 | 0.43 | 0.62 | 0.67 | 0.58 | 0.63 | 0.59 | 0.53 | 0.47 | 0.43 | 0.42 | 0.46 | |
| 29 | 0.41 | 0.43 | 0.62 | 0.64 | 0.56 | 0.61 | 0.59 | 0.53 | 0.47 | 0.43 | | 0.47 | |
| 30 | 0.41 | 0.45 | 0.60 | 0.64 | 0.59 | 0.60 | 0.58 | 0.54 | 0.46 | 0.43 | | 0.47 | |
| 31 | | 0.45 | | 0.64 | 0.57 | | 0.59 | | 0.47 | 0.43 | | 0.45 | |
| Mean | 0.44 | 0.45 | 0.55 | 0.71 | 0.55 | 0.62 | 0.85 | 0.55 | 0.49 | 0.45 | 0.42 | 0.47 | |
| Max | 0.64 | 0.66 | 0.82 | 0.91 | 0.62 | 0.81 | 2.50 | 0.58 | 0.54 | 0.47 | 0.50 | 0.62 | 2.50 |
| Min | 0.39 | 0.39 | 0.44 | 0.60 | 0.50 | 0.52 | 0.58 | 0.53 | 0.46 | 0.43 | 0.40 | 0.40 | 0.39 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 3.94 | m. (A.D.) , | at 22.00 Hours , on Oct 2 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | -0.06 | m. (A.D.) |
| Left Bank Elevation | 11.23 | m. (A.D.) , | | | |
| Right Bank Elevation | 11.09 | m. (A.D.) , | Drainage Are | 580 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.30 | 0.00 | 0.40 | 2.50 | 2.90 | 1.90 | 3.10 | 2.20 | 1.60 | 0.70 | 0.30 | 0.10 | | |
| 2 | 1.15 | 0.00 | 0.50 | 5.90 | 2.90 | 1.90 | 19.58 | 2.20 | 1.45 | 0.70 | 0.30 | 0.00 | | |
| 3 | 0.60 | 0.00 | 1.15 | 3.30 | 2.90 | 1.75 | 77.00 | 2.05 | 1.30 | 0.60 | 0.30 | 0.00 | | |
| 4 | 0.80 | 0.00 | 0.40 | 3.10 | 2.50 | 1.60 | 17.20 | 2.20 | 1.30 | 0.60 | 0.30 | 0.00 | | |
| 5 | 0.40 | 0.00 | 2.05 | 2.90 | 2.35 | 1.30 | 10.25 | 2.05 | 1.30 | 0.60 | 0.30 | 0.00 | | |
| 6 | 0.20 | 0.00 | 0.60 | 3.10 | 2.35 | 1.30 | 8.25 | 1.90 | 1.30 | 0.50 | 0.30 | 0.30 | | |
| 7 | 0.20 | 0.00 | 0.50 | 2.70 | 2.05 | 1.30 | 7.25 | 2.05 | 1.15 | 0.50 | 0.30 | 0.90 | | |
| 8 | 1.60 | 0.10 | 0.50 | 2.90 | 1.75 | 1.60 | 6.10 | 1.90 | 1.00 | 0.50 | 0.20 | 0.90 | | |
| 9 | 0.50 | 0.30 | 0.50 | 8.25 | 1.75 | 1.90 | 7.75 | 1.90 | 0.90 | 0.50 | 0.30 | 0.80 | | |
| 10 | 0.90 | 0.40 | 0.50 | 9.25 | 1.60 | 2.90 | 9.50 | 1.90 | 0.90 | 0.50 | 0.30 | 1.45 | | |
| 11 | 0.30 | 0.90 | 1.00 | 8.50 | 1.60 | 2.90 | 17.54 | 1.90 | 0.90 | 0.50 | 0.30 | 2.90 | | |
| 12 | 0.20 | 0.20 | 0.50 | 5.50 | 1.60 | 3.70 | 18.56 | 1.75 | 0.90 | 0.50 | 0.30 | 1.00 | | |
| 13 | 0.10 | 0.20 | 0.50 | 5.10 | 1.45 | 4.70 | 11.00 | 1.60 | 0.90 | 0.40 | 0.30 | 1.00 | | |
| 14 | 0.00 | 0.60 | 0.40 | 3.90 | 1.75 | 6.75 | 8.25 | 1.60 | 0.90 | 0.50 | 0.20 | 0.90 | | |
| 15 | 0.20 | 0.10 | 0.40 | 3.50 | 1.75 | 3.70 | 6.75 | 1.60 | 0.90 | 0.50 | 0.20 | 0.90 | | |
| 16 | 0.90 | 0.00 | 0.40 | 3.30 | 1.60 | 2.50 | 5.70 | 1.60 | 0.80 | 0.50 | 0.20 | 0.90 | | |
| 17 | 0.30 | 0.00 | 0.40 | 6.50 | 1.45 | 2.50 | 5.10 | 1.60 | 0.80 | 0.50 | 0.20 | 0.80 | | |
| 18 | 0.20 | 1.60 | 0.90 | 4.50 | 1.45 | 2.20 | 4.70 | 1.60 | 0.80 | 0.40 | 0.20 | 0.80 | | |
| 19 | 0.10 | 3.70 | 4.30 | 3.50 | 1.30 | 4.30 | 4.50 | 1.60 | 0.80 | 0.50 | 0.20 | 1.30 | | |
| 20 | 0.10 | 1.75 | 6.10 | 5.70 | 1.45 | 4.10 | 4.30 | 1.60 | 0.70 | 0.50 | 0.10 | 1.45 | | |
| 21 | 0.10 | 1.00 | 4.70 | 8.50 | 1.30 | 3.50 | 4.10 | 1.75 | 0.70 | 0.50 | 0.10 | 0.80 | | |
| 22 | 0.00 | 0.80 | 5.10 | 7.00 | 1.15 | 3.70 | 3.70 | 1.60 | 0.70 | 0.50 | 0.00 | 0.70 | | |
| 23 | 0.00 | 0.70 | 4.70 | 7.50 | 1.15 | 5.30 | 3.50 | 1.60 | 0.70 | 0.50 | 0.00 | 0.70 | | |
| 24 | 0.00 | 0.60 | 7.00 | 5.50 | 1.15 | 4.50 | 3.30 | 1.60 | 0.70 | 0.40 | 0.00 | 0.60 | | |
| 25 | 0.30 | 0.50 | 4.50 | 5.10 | 1.15 | 3.90 | 3.10 | 1.75 | 0.70 | 0.40 | 0.00 | 0.60 | | |
| 26 | 0.10 | 0.60 | 3.70 | 4.90 | 1.00 | 4.70 | 2.90 | 1.60 | 0.70 | 0.40 | 0.10 | 0.60 | | |
| 27 | 0.00 | 0.40 | 2.90 | 4.30 | 2.20 | 3.30 | 2.50 | 1.60 | 0.70 | 0.30 | 1.00 | 0.50 | | |
| 28 | 0.50 | 0.30 | 2.90 | 3.90 | 2.20 | 3.10 | 2.35 | 1.45 | 0.70 | 0.30 | 0.20 | 0.60 | | |
| 29 | 0.10 | 0.30 | 2.90 | 3.30 | 1.90 | 2.70 | 2.35 | 1.45 | 0.70 | 0.30 | | 0.70 | | |
| 30 | 0.10 | 0.50 | 2.50 | 3.30 | 2.35 | 2.50 | 2.20 | 1.60 | 0.60 | 0.30 | | 0.70 | | |
| 31 | | 0.50 | | 3.30 | 2.05 | | 2.35 | | 0.70 | 0.30 | | 0.50 | | |
| Total | 13.25 | 16.05 | 62.90 | 150.50 | 56.05 | 92.00 | 284.73 | 52.80 | 28.20 | 14.70 | 6.50 | 23.40 | 801.08 | CMSDAY |
| Mean | 0.44 | 0.52 | 2.10 | 4.85 | 1.81 | 3.07 | 9.18 | 1.76 | 0.91 | 0.47 | 0.23 | 0.75 | 2.19 | CMS |
| Max | 3.30 | 3.70 | 7.00 | 9.25 | 2.90 | 6.75 | 77.00 | 2.20 | 1.60 | 0.70 | 1.00 | 2.90 | 77.00 | CMS |
| Min | 0.00 | 0.00 | 0.40 | 2.50 | 1.00 | 1.30 | 2.20 | 1.45 | 0.60 | 0.30 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.14 | 1.39 | 5.43 | 13.00 | 4.84 | 7.95 | 24.60 | 4.56 | 2.44 | 1.27 | 0.56 | 2.02 | 69.21 | MCM |

Momentary Peak 188.50 CMS. at 3.94 m. (A.D.) at 22.00 Hours , on Oct 2 , 2006

Runoff Yield 3.78 Liters/Second/Square KM. Momentary Peak Yield 324.92 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Pa , Saraburi (S.9)

Lat 14 - 37 - 39 N Long 101 - 01 - 02 E

**Location : on left bank at Ban Mueang Nua railway bridge.**

**Ban** Pa **Amphoe** Kaeng Khoi **Changwat** Saraburi

| | |
|---|---|
| **Drainge Area** | 14,233 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +7.490 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank under tamarind tree along the measuring line. **Elevation** +23.099 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1973 to date |
| **Rating Operation** | |
| **Period of Rating** | 1973 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1973 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow regulated by Pasak Dam above gage site.<br>Stage-discharge relation defined by 40 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

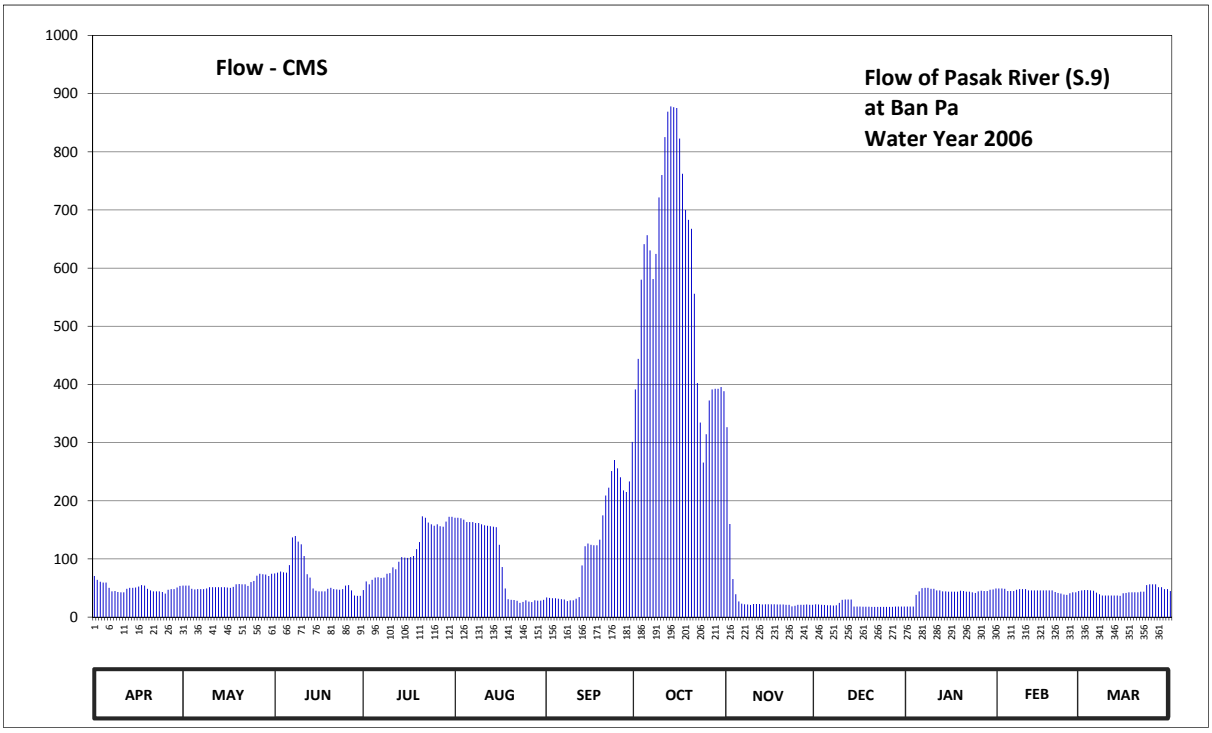
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.67 | 9.42 | 9.74 | 9.28 | 11.02 | 9.04 | 13.38 | 12.73 | 8.78 | 8.69 | 9.33 | 9.27 | |
| 2 | 9.57 | 9.42 | 9.76 | 9.53 | 11.02 | 9.02 | 13.90 | 10.89 | 8.77 | 8.69 | 9.33 | 9.28 | |
| 3 | 9.52 | 9.42 | 9.79 | 9.45 | 11.01 | 9.01 | 15.16 | 9.59 | 8.76 | 8.69 | 9.32 | 9.28 | |
| 4 | 9.50 | 9.32 | 9.77 | 9.57 | 10.98 | 9.01 | 15.68 | 9.15 | 8.75 | 9.13 | 9.25 | 9.27 | |
| 5 | 9.50 | 9.30 | 9.76 | 9.63 | 10.93 | 8.99 | 15.81 | 8.89 | 8.74 | 9.24 | 9.25 | 9.26 | |
| 6 | 9.35 | 9.31 | 9.96 | 9.64 | 10.93 | 8.97 | 15.59 | 8.80 | 8.74 | 9.34 | 9.25 | 9.20 | |
| 7 | 9.24 | 9.31 | 10.60 | 9.62 | 10.93 | 8.96 | 15.17 | 8.78 | 8.73 | 9.35 | 9.29 | 9.15 | |
| 8 | 9.25 | 9.31 | 10.63 | 9.63 | 10.91 | 8.90 | 15.54 | 8.77 | 8.74 | 9.35 | 9.31 | 9.11 | |
| 9 | 9.22 | 9.33 | 10.51 | 9.73 | 10.91 | 8.93 | 16.35 | 8.75 | 8.83 | 9.32 | 9.31 | 9.11 | |
| 10 | 9.21 | 9.37 | 10.45 | 9.75 | 10.88 | 8.93 | 16.67 | 8.79 | 8.95 | 9.32 | 9.31 | 9.11 | |
| 11 | 9.21 | 9.37 | 10.20 | 9.90 | 10.86 | 8.99 | 17.21 | 8.79 | 8.96 | 9.27 | 9.27 | 9.11 | |
| 12 | 9.32 | 9.37 | 9.72 | 9.85 | 10.85 | 9.05 | 17.56 | 8.79 | 8.96 | 9.27 | 9.27 | 9.11 | |
| 13 | 9.35 | 9.37 | 9.63 | 10.05 | 10.84 | 9.95 | 17.63 | 8.77 | 8.96 | 9.24 | 9.27 | 9.11 | |
| 14 | 9.35 | 9.37 | 9.33 | 10.17 | 10.83 | 10.41 | 17.62 | 8.78 | 8.69 | 9.24 | 9.27 | 9.10 | |
| 15 | 9.36 | 9.37 | 9.26 | 10.16 | 10.82 | 10.47 | 17.61 | 8.78 | 8.69 | 9.23 | 9.27 | 9.18 | |
| 16 | 9.39 | 9.36 | 9.24 | 10.15 | 10.44 | 10.44 | 17.19 | 8.78 | 8.69 | 9.23 | 9.27 | 9.19 | |
| 17 | 9.43 | 9.35 | 9.24 | 10.17 | 9.91 | 10.43 | 16.69 | 8.78 | 8.68 | 9.23 | 9.27 | 9.21 | |
| 18 | 9.42 | 9.38 | 9.24 | 10.20 | 9.33 | 10.43 | 16.17 | 8.77 | 8.68 | 9.23 | 9.27 | 9.21 | |
| 19 | 9.32 | 9.45 | 9.32 | 10.35 | 8.97 | 10.55 | 16.03 | 8.77 | 8.68 | 9.26 | 9.27 | 9.21 | |
| 20 | 9.27 | 9.46 | 9.35 | 10.50 | 8.95 | 11.07 | 15.90 | 8.77 | 8.67 | 9.25 | 9.22 | 9.21 | |
| 21 | 9.24 | 9.45 | 9.31 | 11.05 | 8.94 | 11.46 | 14.94 | 8.76 | 8.67 | 9.23 | 9.19 | 9.23 | |
| 22 | 9.24 | 9.45 | 9.30 | 11.02 | 8.91 | 11.61 | 13.49 | 8.76 | 8.67 | 9.23 | 9.17 | 9.23 | |
| 23 | 9.24 | 9.41 | 9.29 | 10.92 | 8.83 | 11.93 | 12.81 | 8.70 | 8.67 | 9.21 | 9.14 | 9.43 | |
| 24 | 9.22 | 9.51 | 9.31 | 10.88 | 8.87 | 12.14 | 12.09 | 8.72 | 8.67 | 9.19 | 9.13 | 9.45 | |
| 25 | 9.17 | 9.54 | 9.42 | 10.85 | 8.93 | 11.98 | 12.61 | 8.76 | 8.67 | 9.24 | 9.18 | 9.45 | |
| 26 | 9.29 | 9.68 | 9.43 | 10.88 | 8.88 | 11.81 | 13.19 | 8.76 | 8.67 | 9.26 | 9.21 | 9.45 | |
| 27 | 9.31 | 9.73 | 9.27 | 10.84 | 8.86 | 11.56 | 13.38 | 8.76 | 8.67 | 9.25 | 9.21 | 9.37 | |
| 28 | 9.31 | 9.72 | 9.11 | 10.83 | 8.93 | 11.53 | 13.39 | 8.77 | 8.69 | 9.25 | 9.25 | 9.37 | |
| 29 | 9.36 | 9.71 | 9.10 | 10.94 | 8.92 | 11.73 | 13.39 | 8.76 | 8.69 | 9.29 | | 9.31 | |
| 30 | 9.41 | 9.67 | 9.10 | 11.04 | 8.92 | 12.47 | 13.42 | 8.76 | 8.69 | 9.30 | | 9.31 | |
| 31 | | 9.73 | | 11.04 | 8.95 | | 13.35 | | 8.69 | 9.33 | | 9.25 | |
| Mean | 9.34 | 9.45 | 9.60 | 10.25 | 9.98 | 10.33 | 15.13 | 9.01 | 8.74 | 9.20 | 9.25 | 9.24 | |
| Max | 9.67 | 9.73 | 10.63 | 11.05 | 11.02 | 12.47 | 17.63 | 12.73 | 8.96 | 9.35 | 9.33 | 9.45 | 17.63 |
| Min | 9.17 | 9.30 | 9.10 | 9.28 | 8.83 | 8.90 | 12.09 | 8.70 | 8.67 | 8.69 | 9.13 | 9.10 | 8.67 |

Annual Max Momentary Gage Height 17.64 m. (MSL.) , at 12.00 Hours , on Oct 15, 2006

Zero Gage at Bottom Elevation 7.49 m. (MSL.) , River Bed 5.80 m. (MSL.)

Left Bank Elevation 23.10 m. (MSL.) ,

Right Bank Elevation 22.60 m. (MSL.) , Drainage Are 14,233 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 70.55 | 54.30 | 75.10 | 46.40 | 170.70 | 33.80 | 391.50 | 326.50 | 22.10 | 18.15 | 49.15 | 45.85 | | |
| 2 | 64.05 | 54.30 | 76.40 | 61.45 | 170.70 | 32.90 | 444.00 | 160.20 | 21.65 | 18.15 | 49.15 | 46.40 | | |
| 3 | 60.80 | 54.30 | 78.35 | 56.25 | 169.85 | 32.45 | 580.10 | 65.35 | 21.20 | 18.15 | 48.60 | 46.40 | | |
| 4 | 59.50 | 48.60 | 77.05 | 64.05 | 167.40 | 32.45 | 641.10 | 39.25 | 20.75 | 38.15 | 44.75 | 45.85 | | |
| 5 | 59.50 | 47.50 | 76.40 | 67.95 | 163.40 | 31.55 | 656.70 | 27.05 | 20.30 | 44.20 | 44.75 | 45.30 | | |
| 6 | 50.25 | 48.05 | 89.40 | 68.60 | 163.40 | 30.65 | 630.30 | 23.00 | 20.30 | 49.70 | 44.75 | 42.00 | | |
| 7 | 44.20 | 48.05 | 137.00 | 67.30 | 163.40 | 30.20 | 581.20 | 22.10 | 19.85 | 50.25 | 46.95 | 39.25 | | |
| 8 | 44.75 | 48.05 | 139.40 | 67.95 | 161.80 | 27.50 | 624.30 | 21.65 | 20.30 | 50.25 | 48.05 | 37.05 | | |
| 9 | 43.10 | 49.15 | 129.80 | 74.45 | 161.80 | 28.85 | 721.50 | 20.75 | 24.35 | 48.60 | 48.05 | 37.05 | | |
| 10 | 42.55 | 51.35 | 125.00 | 75.75 | 159.40 | 28.85 | 759.90 | 22.55 | 29.75 | 48.60 | 48.05 | 37.05 | | |
| 11 | 42.55 | 51.35 | 105.00 | 85.50 | 157.80 | 31.55 | 825.25 | 22.55 | 30.20 | 45.85 | 45.85 | 37.05 | | |
| 12 | 48.60 | 51.35 | 73.80 | 82.25 | 157.00 | 34.25 | 869.00 | 22.55 | 30.20 | 45.85 | 45.85 | 37.05 | | |
| 13 | 50.25 | 51.35 | 67.95 | 95.25 | 156.20 | 88.75 | 877.90 | 21.65 | 30.20 | 44.20 | 45.85 | 37.05 | | |
| 14 | 50.25 | 51.35 | 49.15 | 103.05 | 155.40 | 121.80 | 876.60 | 22.10 | 18.15 | 44.20 | 45.85 | 36.50 | | |
| 15 | 50.80 | 51.35 | 45.30 | 102.40 | 154.60 | 126.60 | 875.30 | 22.10 | 18.15 | 43.65 | 45.85 | 40.90 | | |
| 16 | 52.45 | 50.80 | 44.20 | 101.75 | 124.20 | 124.20 | 822.75 | 22.10 | 18.15 | 43.65 | 45.85 | 41.45 | | |
| 17 | 54.95 | 50.25 | 44.20 | 103.05 | 86.15 | 123.40 | 762.30 | 22.10 | 17.80 | 43.65 | 45.85 | 42.55 | | |
| 18 | 54.30 | 51.90 | 44.20 | 105.00 | 49.15 | 123.40 | 699.90 | 21.65 | 17.80 | 43.65 | 45.85 | 42.55 | | |
| 19 | 48.60 | 56.25 | 48.60 | 117.00 | 30.65 | 133.00 | 683.10 | 21.65 | 17.80 | 45.30 | 45.85 | 42.55 | | |
| 20 | 45.85 | 56.90 | 50.25 | 129.00 | 29.75 | 174.95 | 667.50 | 21.65 | 17.45 | 44.75 | 43.10 | 42.55 | | |
| 21 | 44.20 | 56.25 | 48.05 | 173.25 | 29.30 | 208.90 | 555.90 | 21.20 | 17.45 | 43.65 | 41.45 | 43.65 | | |
| 22 | 44.20 | 56.25 | 47.50 | 170.70 | 27.95 | 222.40 | 402.50 | 21.20 | 17.45 | 43.65 | 40.35 | 43.65 | | |
| 23 | 44.20 | 53.65 | 46.95 | 162.60 | 24.35 | 251.20 | 334.50 | 18.50 | 17.45 | 42.55 | 38.70 | 54.95 | | |
| 24 | 43.10 | 60.15 | 48.05 | 159.40 | 26.15 | 270.10 | 265.60 | 19.40 | 17.45 | 41.45 | 38.15 | 56.25 | | |
| 25 | 40.35 | 62.10 | 54.30 | 157.00 | 28.85 | 255.70 | 314.50 | 21.20 | 17.45 | 44.20 | 40.90 | 56.25 | | |
| 26 | 46.95 | 71.20 | 54.95 | 159.40 | 26.60 | 240.40 | 372.50 | 21.20 | 17.45 | 45.30 | 42.55 | 56.25 | | |
| 27 | 48.05 | 74.45 | 45.85 | 156.20 | 25.70 | 217.90 | 391.50 | 21.20 | 17.45 | 44.75 | 42.55 | 51.35 | | |
| 28 | 48.05 | 73.80 | 37.05 | 155.40 | 28.85 | 215.20 | 392.50 | 21.65 | 18.15 | 44.75 | 44.75 | 51.35 | | |
| 29 | 50.80 | 73.15 | 36.50 | 164.20 | 28.40 | 233.20 | 392.50 | 21.20 | 18.15 | 46.95 | | 48.05 | | |
| 30 | 53.65 | 70.55 | 36.50 | 172.40 | 28.40 | 301.15 | 395.50 | 21.20 | 18.15 | 47.50 | | 48.05 | | |
| 31 | | 74.45 | | 172.40 | 29.75 | | 388.50 | | 18.15 | 49.15 | | 44.75 | | |
| Total | 1501.40 | 1752.50 | 2032.25 | 3477.35 | 3057.05 | 3807.25 | 18196.20 | 1156.45 | 631.20 | 1322.85 | 1257.40 | 1376.95 | 39568.85 | CMSDAY |
| Mean | 50.05 | 56.53 | 67.74 | 112.17 | 98.61 | 126.91 | 586.97 | 38.55 | 20.36 | 42.67 | 44.91 | 44.42 | 108.41 | CMS |
| Max | 70.55 | 74.45 | 139.40 | 173.25 | 170.70 | 301.15 | 877.90 | 326.50 | 30.20 | 50.25 | 49.15 | 56.25 | 877.90 | CMS |
| Min | 40.35 | 47.50 | 36.50 | 46.40 | 24.35 | 27.50 | 265.60 | 18.50 | 17.45 | 18.15 | 38.15 | 36.50 | 17.45 | CMS |
| Runoff | 129.72 | 151.42 | 175.59 | 300.44 | 264.13 | 328.95 | 1572.15 | 99.92 | 54.54 | 114.29 | 108.64 | 118.97 | 3418.75 | MCM |

Momentary Peak 879.20 CMS. at 17.64 m. (MSL.) at 12.00 Hours , on Oct 15 , 2006

Runoff Yield 7.62 Liters/Second/Square KM. Momentary Peak Yield 61.77 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Lam Kong at Ban Tha Lao, Phetchabun (S.12)

Lat 15 - 59 - 50 N Long 101 - 14 - 31 E

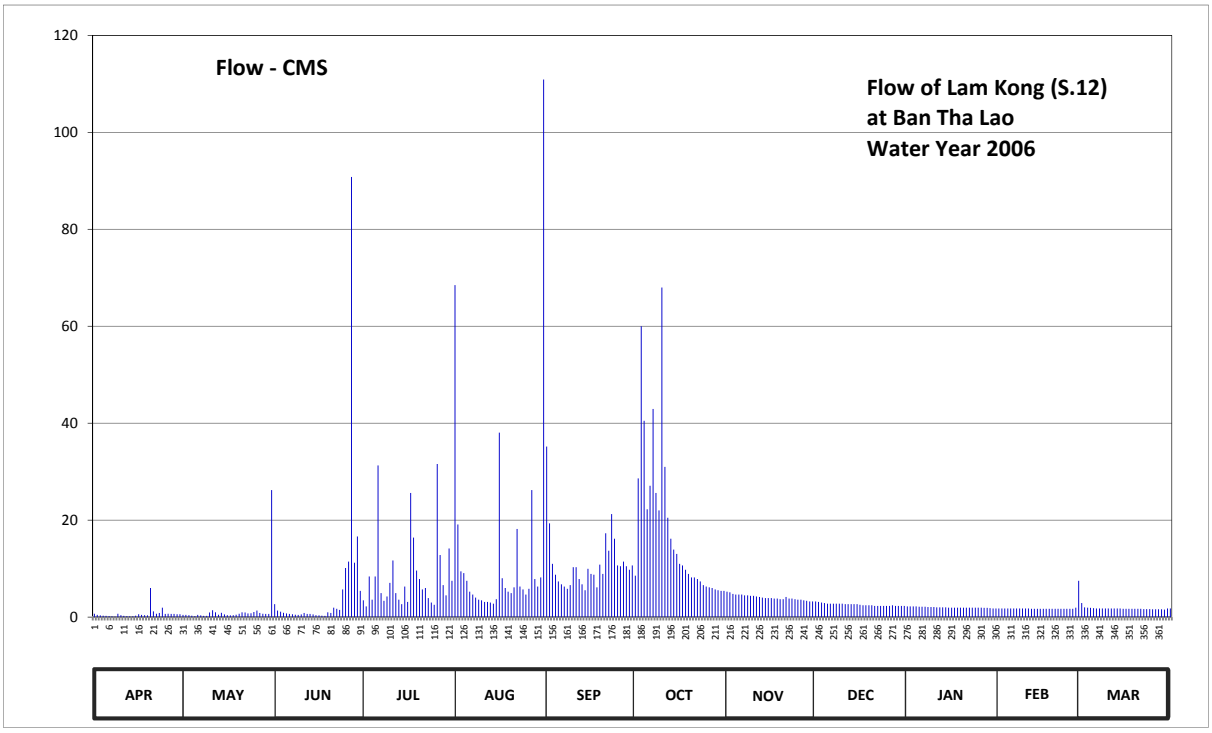
**Location : on left bank at Ban Tha Lao.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Lao | **Amphoe** Nong Phai | **Changwat** Phetchabun |
| **Drainge Area** | 477 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +108.590 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank along the gage line. | **Elevation** +113.514 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1978 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1978 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1978 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +110.790 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 17 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 109.14 | 109.09 | 109.44 | 109.51 | 111.77 | 110.94 | 109.86 | 109.65 | 109.49 | 109.40 | 109.33 | 109.46 | |
| 2 | 109.09 | 109.09 | 109.26 | 109.40 | 110.36 | 110.37 | 110.72 | 109.64 | 109.48 | 109.40 | 109.33 | 109.37 | |
| 3 | 109.07 | 109.08 | 109.22 | 109.85 | 109.91 | 110.00 | 111.60 | 109.62 | 109.47 | 109.40 | 109.33 | 109.36 | |
| 4 | 109.06 | 109.06 | 109.18 | 109.52 | 109.89 | 109.87 | 111.10 | 109.61 | 109.46 | 109.40 | 109.33 | 109.35 | |
| 5 | 109.05 | 109.04 | 109.15 | 109.85 | 109.80 | 109.79 | 110.49 | 109.61 | 109.45 | 109.39 | 109.33 | 109.34 | |
| 6 | 109.04 | 109.09 | 109.13 | 110.81 | 109.65 | 109.75 | 110.67 | 109.61 | 109.45 | 109.39 | 109.33 | 109.33 | |
| 7 | 109.03 | 109.07 | 109.12 | 109.63 | 109.61 | 109.72 | 111.17 | 109.60 | 109.45 | 109.39 | 109.33 | 109.33 | |
| 8 | 109.02 | 109.05 | 109.10 | 109.50 | 109.56 | 109.69 | 110.62 | 109.60 | 109.45 | 109.38 | 109.33 | 109.33 | |
| 9 | 109.14 | 109.05 | 109.09 | 109.58 | 109.52 | 109.74 | 110.48 | 109.59 | 109.45 | 109.38 | 109.33 | 109.33 | |
| 10 | 109.08 | 109.19 | 109.11 | 109.77 | 109.51 | 109.96 | 111.76 | 109.59 | 109.45 | 109.38 | 109.33 | 109.33 | |
| 11 | 109.05 | 109.27 | 109.17 | 110.03 | 109.48 | 109.96 | 110.80 | 109.58 | 109.44 | 109.37 | 109.33 | 109.33 | |
| 12 | 109.04 | 109.20 | 109.13 | 109.63 | 109.48 | 109.82 | 110.42 | 109.57 | 109.44 | 109.37 | 109.32 | 109.33 | |
| 13 | 109.03 | 109.10 | 109.13 | 109.52 | 109.47 | 109.75 | 110.23 | 109.56 | 109.44 | 109.37 | 109.32 | 109.33 | |
| 14 | 109.03 | 109.18 | 109.11 | 109.44 | 109.45 | 109.67 | 110.13 | 109.55 | 109.44 | 109.37 | 109.32 | 109.33 | |
| 15 | 109.06 | 109.11 | 109.08 | 109.72 | 109.53 | 109.94 | 110.09 | 109.55 | 109.44 | 109.36 | 109.32 | 109.32 | |
| 16 | 109.12 | 109.08 | 109.07 | 109.48 | 111.03 | 109.88 | 110.00 | 109.55 | 109.43 | 109.36 | 109.32 | 109.32 | |
| 17 | 109.09 | 109.07 | 109.06 | 110.62 | 109.83 | 109.87 | 109.98 | 109.54 | 109.42 | 109.36 | 109.32 | 109.32 | |
| 18 | 109.08 | 109.08 | 109.05 | 110.24 | 109.70 | 109.71 | 109.93 | 109.54 | 109.42 | 109.36 | 109.32 | 109.32 | |
| 19 | 109.07 | 109.10 | 109.20 | 109.92 | 109.65 | 109.99 | 109.88 | 109.53 | 109.42 | 109.36 | 109.32 | 109.32 | |
| 20 | 109.70 | 109.14 | 109.17 | 109.82 | 109.63 | 109.88 | 109.84 | 109.53 | 109.42 | 109.36 | 109.32 | 109.32 | |
| 21 | 109.23 | 109.20 | 109.36 | 109.68 | 109.71 | 110.28 | 109.84 | 109.57 | 109.41 | 109.36 | 109.32 | 109.32 | |
| 22 | 109.14 | 109.19 | 109.32 | 109.70 | 110.32 | 110.12 | 109.82 | 109.54 | 109.41 | 109.36 | 109.32 | 109.31 | |
| 23 | 109.17 | 109.15 | 109.28 | 109.55 | 109.72 | 110.45 | 109.79 | 109.54 | 109.41 | 109.36 | 109.32 | 109.31 | |
| 24 | 109.36 | 109.16 | 109.68 | 109.47 | 109.68 | 110.23 | 109.74 | 109.53 | 109.41 | 109.36 | 109.32 | 109.31 | |
| 25 | 109.13 | 109.21 | 109.95 | 109.43 | 109.61 | 109.98 | 109.72 | 109.52 | 109.41 | 109.36 | 109.32 | 109.30 | |
| 26 | 109.14 | 109.26 | 110.02 | 110.82 | 109.69 | 109.97 | 109.71 | 109.52 | 109.41 | 109.36 | 109.32 | 109.30 | |
| 27 | 109.13 | 109.17 | 112.18 | 110.08 | 110.64 | 110.02 | 109.70 | 109.51 | 109.42 | 109.35 | 109.36 | 109.30 | |
| 28 | 109.13 | 109.14 | 110.01 | 109.74 | 109.82 | 109.97 | 109.68 | 109.50 | 109.41 | 109.35 | 109.80 | 109.30 | |
| 29 | 109.12 | 109.13 | 110.25 | 109.60 | 109.72 | 109.93 | 109.67 | 109.49 | 109.41 | 109.34 | | 109.29 | |
| 30 | 109.12 | 109.13 | 109.66 | 110.14 | 109.84 | 109.98 | 109.66 | 109.49 | 109.41 | 109.33 | | 109.33 | |
| 31 | | 110.64 | | 109.80 | 112.47 | | 109.66 | | 109.41 | 109.33 | | 109.33 | |
| Mean | 109.12 | 109.18 | 109.42 | 109.80 | 109.94 | 109.97 | 110.22 | 109.56 | 109.43 | 109.37 | 109.34 | 109.33 | |
| Max | 109.70 | 110.64 | 112.18 | 110.82 | 112.47 | 110.94 | 111.76 | 109.65 | 109.49 | 109.40 | 109.80 | 109.46 | 112.47 |
| Min | 109.02 | 109.04 | 109.05 | 109.40 | 109.45 | 109.67 | 109.66 | 109.49 | 109.41 | 109.33 | 109.32 | 109.29 | 109.02 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 113.55 | m. (MSL.) , | at 12.00 Hours , on Aug 31, 2006 | | |
| Zero Gage at Bottom Elevation | 108.59 | m. (MSL.) , | River Bed | 107.24 | m. (MSL.) |
| Left Bank Elevation | 111.74 | m. (MSL.) , | | | |
| Right Bank Elevation | 110.78 | m. (MSL.) , | Drainage Are | 477 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.70 | 0.45 | 2.66 | 3.47 | 68.50 | 35.20 | 8.55 | 5.25 | 3.24 | 2.20 | 1.78 | 2.89 | | |
| 2 | 0.45 | 0.45 | 1.36 | 2.20 | 19.10 | 19.33 | 28.60 | 5.10 | 3.12 | 2.20 | 1.78 | 2.02 | | |
| 3 | 0.35 | 0.40 | 1.12 | 8.38 | 9.43 | 11.00 | 60.00 | 4.80 | 3.01 | 2.20 | 1.78 | 1.96 | | |
| 4 | 0.30 | 0.30 | 0.90 | 3.58 | 9.08 | 8.73 | 40.50 | 4.65 | 2.89 | 2.20 | 1.78 | 1.90 | | |
| 5 | 0.25 | 0.20 | 0.75 | 8.38 | 7.50 | 7.35 | 22.25 | 4.65 | 2.78 | 2.14 | 1.78 | 1.84 | | |
| 6 | 0.20 | 0.45 | 0.65 | 31.30 | 5.25 | 6.75 | 27.10 | 4.65 | 2.78 | 2.14 | 1.78 | 1.78 | | |
| 7 | 0.15 | 0.35 | 0.60 | 4.95 | 4.65 | 6.30 | 42.95 | 4.50 | 2.78 | 2.14 | 1.78 | 1.78 | | |
| 8 | 0.10 | 0.25 | 0.50 | 3.35 | 4.04 | 5.85 | 25.60 | 4.50 | 2.78 | 2.08 | 1.78 | 1.78 | | |
| 9 | 0.70 | 0.25 | 0.45 | 4.27 | 3.58 | 6.60 | 22.00 | 4.39 | 2.78 | 2.08 | 1.78 | 1.78 | | |
| 10 | 0.40 | 0.95 | 0.55 | 7.05 | 3.47 | 10.30 | 68.00 | 4.39 | 2.78 | 2.08 | 1.78 | 1.78 | | |
| 11 | 0.25 | 1.42 | 0.85 | 11.68 | 3.12 | 10.30 | 31.00 | 4.27 | 2.66 | 2.02 | 1.78 | 1.78 | | |
| 12 | 0.20 | 1.00 | 0.65 | 4.95 | 3.12 | 7.85 | 20.50 | 4.16 | 2.66 | 2.02 | 1.72 | 1.78 | | |
| 13 | 0.15 | 0.50 | 0.65 | 3.58 | 3.01 | 6.75 | 16.18 | 4.04 | 2.66 | 2.02 | 1.72 | 1.78 | | |
| 14 | 0.15 | 0.90 | 0.55 | 2.66 | 2.78 | 5.55 | 13.93 | 3.93 | 2.66 | 2.02 | 1.72 | 1.78 | | |
| 15 | 0.30 | 0.55 | 0.40 | 6.30 | 3.70 | 9.95 | 13.03 | 3.93 | 2.66 | 1.96 | 1.72 | 1.72 | | |
| 16 | 0.60 | 0.40 | 0.35 | 3.12 | 38.05 | 8.90 | 11.00 | 3.93 | 2.55 | 1.96 | 1.72 | 1.72 | | |
| 17 | 0.45 | 0.35 | 0.30 | 25.60 | 8.03 | 8.73 | 10.65 | 3.81 | 2.43 | 1.96 | 1.72 | 1.72 | | |
| 18 | 0.40 | 0.40 | 0.25 | 16.40 | 6.00 | 6.15 | 9.78 | 3.81 | 2.43 | 1.96 | 1.72 | 1.72 | | |
| 19 | 0.35 | 0.50 | 1.00 | 9.60 | 5.25 | 10.83 | 8.90 | 3.70 | 2.43 | 1.96 | 1.72 | 1.72 | | |
| 20 | 6.00 | 0.70 | 0.85 | 7.85 | 4.95 | 8.90 | 8.20 | 3.70 | 2.43 | 1.96 | 1.72 | 1.72 | | |
| 21 | 1.18 | 1.00 | 1.96 | 5.70 | 6.15 | 17.30 | 8.20 | 4.16 | 2.32 | 1.96 | 1.72 | 1.72 | | |
| 22 | 0.70 | 0.95 | 1.72 | 6.00 | 18.20 | 13.70 | 7.85 | 3.81 | 2.32 | 1.96 | 1.72 | 1.66 | | |
| 23 | 0.85 | 0.75 | 1.48 | 3.93 | 6.30 | 21.25 | 7.35 | 3.81 | 2.32 | 1.96 | 1.72 | 1.66 | | |
| 24 | 1.96 | 0.80 | 5.70 | 3.01 | 5.70 | 16.18 | 6.60 | 3.70 | 2.32 | 1.96 | 1.72 | 1.66 | | |
| 25 | 0.65 | 1.06 | 10.13 | 2.55 | 4.65 | 10.65 | 6.30 | 3.58 | 2.32 | 1.96 | 1.72 | 1.60 | | |
| 26 | 0.70 | 1.36 | 11.45 | 31.60 | 5.85 | 10.48 | 6.15 | 3.58 | 2.32 | 1.96 | 1.72 | 1.60 | | |
| 27 | 0.65 | 0.85 | 90.80 | 12.80 | 26.20 | 11.45 | 6.00 | 3.47 | 2.43 | 1.90 | 1.96 | 1.60 | | |
| 28 | 0.65 | 0.70 | 11.23 | 6.60 | 7.85 | 10.48 | 5.70 | 3.35 | 2.32 | 1.90 | 7.50 | 1.60 | | |
| 29 | 0.60 | 0.65 | 16.63 | 4.50 | 6.30 | 9.78 | 5.55 | 3.24 | 2.32 | 1.84 | | 1.54 | | |
| 30 | 0.60 | 0.65 | 5.40 | 14.15 | 8.20 | 10.65 | 5.40 | 3.24 | 2.32 | 1.78 | | 1.78 | | |
| 31 | | 26.20 | | 7.50 | 110.90 | | 5.40 | | 2.32 | 1.78 | | 1.78 | | |
| Total | 20.99 | 45.74 | 171.89 | 267.01 | 418.91 | 333.24 | 559.22 | 122.10 | 80.14 | 62.26 | 54.84 | 55.15 | 2191.49 | CMSDAY |
| Mean | 0.70 | 1.48 | 5.73 | 8.61 | 13.51 | 11.11 | 18.04 | 4.07 | 2.59 | 2.01 | 1.96 | 1.78 | 6.00 | CMS |
| Max | 6.00 | 26.20 | 90.80 | 31.60 | 110.90 | 35.20 | 68.00 | 5.25 | 3.24 | 2.20 | 7.50 | 2.89 | 110.90 | CMS |
| Min | 0.10 | 0.20 | 0.25 | 2.20 | 2.78 | 5.55 | 5.40 | 3.24 | 2.32 | 1.78 | 1.72 | 1.54 | 0.10 | CMS |
| Runoff | 1.81 | 3.95 | 14.85 | 23.07 | 36.19 | 28.79 | 48.32 | 10.55 | 6.92 | 5.38 | 4.74 | 4.76 | 189.34 | MCM |

Momentary Peak 196.75 CMS. at 113.55 m. (MSL.) at 12.00 Hours , on Aug 31, 2006

Runoff Yield 12.75 Liters/Second/Square KM. Momentary Peak Yield 417.73 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Lam Sonthi at Ban Tha Yiam , Lop Buri (S.13)

Lat 15 - 20 - 23 N Long 101 - 22 - 30 E

**Location : on left bank near Wat Tha Yiam.**

**Ban** Tha Yiam **Amphoe** Lam Sonthi **Changwat** Lop Buri

| | |
|---|---|
| **Drainge Area** | 357 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | About 15 meters from the top staff gage. **Elevation** +8.697 m. (A.D.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings |
| **Period of Available Gage Records** | 1978 to date |
| **Rating Operation** | |
| **Period of Rating** | 1978 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1978 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the local weir about 200 meters downstream from the gage site. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

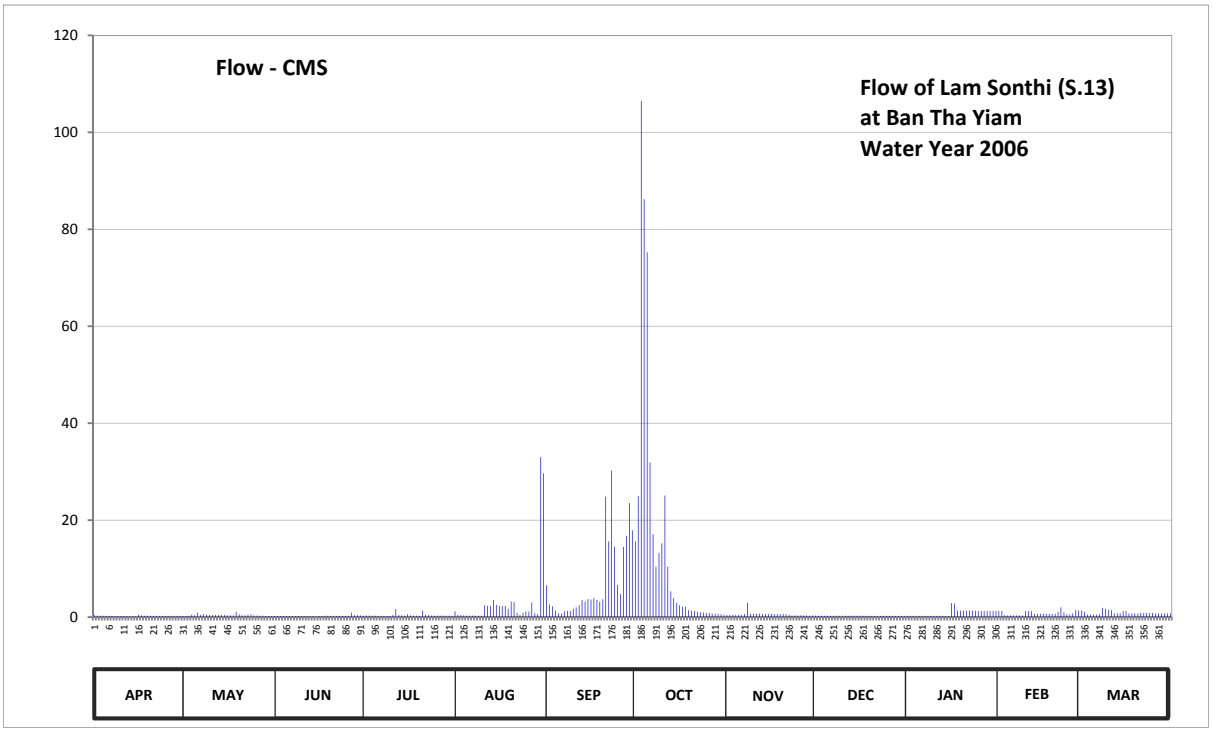
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.49 | 0.34 | 0.34 | 0.41 | 0.87 | 1.85 | 2.87 | 0.57 | 0.42 | 0.37 | 0.90 | 0.92 | |
| 2 | 0.42 | 0.34 | 0.34 | 0.42 | 0.57 | 1.20 | 3.68 | 0.57 | 0.40 | 0.37 | 0.90 | 0.83 | |
| 3 | 0.41 | 0.40 | 0.34 | 0.43 | 0.50 | 1.12 | 7.59 | 0.56 | 0.40 | 0.37 | 0.50 | 0.61 | |
| 4 | 0.39 | 0.58 | 0.33 | 0.41 | 0.45 | 0.91 | 6.89 | 0.56 | 0.39 | 0.37 | 0.45 | 0.61 | |
| 5 | 0.36 | 0.49 | 0.33 | 0.38 | 0.42 | 0.72 | 6.49 | 0.56 | 0.39 | 0.37 | 0.45 | 0.60 | |
| 6 | 0.35 | 0.77 | 0.33 | 0.36 | 0.43 | 0.69 | 4.22 | 0.56 | 0.39 | 0.37 | 0.45 | 0.60 | |
| 7 | 0.34 | 0.57 | 0.33 | 0.35 | 0.42 | 0.86 | 3.01 | 0.65 | 0.39 | 0.37 | 0.45 | 0.63 | |
| 8 | 0.34 | 0.65 | 0.33 | 0.34 | 0.41 | 0.90 | 2.31 | 1.27 | 0.39 | 0.36 | 0.45 | 1.06 | |
| 9 | 0.34 | 0.59 | 0.32 | 0.33 | 0.41 | 0.90 | 2.63 | 0.68 | 0.39 | 0.35 | 0.45 | 1.02 | |
| 10 | 0.34 | 0.54 | 0.32 | 0.32 | 0.38 | 1.03 | 2.83 | 0.68 | 0.39 | 0.35 | 0.87 | 0.96 | |
| 11 | 0.34 | 0.52 | 0.31 | 0.56 | 1.17 | 1.08 | 3.69 | 0.68 | 0.39 | 0.35 | 0.87 | 0.95 | |
| 12 | 0.34 | 0.52 | 0.30 | 1.00 | 1.14 | 1.17 | 2.31 | 0.67 | 0.39 | 0.35 | 0.87 | 0.71 | |
| 13 | 0.31 | 0.52 | 0.29 | 0.54 | 1.14 | 1.37 | 1.67 | 0.67 | 0.39 | 0.35 | 0.67 | 0.71 | |
| 14 | 0.26 | 0.59 | 0.28 | 0.47 | 1.37 | 1.31 | 1.44 | 0.66 | 0.39 | 0.35 | 0.67 | 0.71 | |
| 15 | 0.24 | 0.52 | 0.27 | 0.42 | 1.19 | 1.40 | 1.26 | 0.66 | 0.39 | 0.34 | 0.68 | 0.88 | |
| 16 | 0.59 | 0.51 | 0.32 | 0.63 | 1.15 | 1.39 | 1.17 | 0.66 | 0.39 | 1.26 | 0.68 | 0.90 | |
| 17 | 0.46 | 0.48 | 0.31 | 0.45 | 1.14 | 1.44 | 1.11 | 0.66 | 0.38 | 1.24 | 0.68 | 0.70 | |
| 18 | 0.39 | 0.46 | 0.38 | 0.41 | 1.14 | 1.37 | 1.11 | 0.65 | 0.37 | 0.92 | 0.68 | 0.70 | |
| 19 | 0.38 | 0.83 | 0.38 | 0.38 | 1.02 | 1.31 | 0.94 | 0.65 | 0.37 | 0.92 | 0.68 | 0.70 | |
| 20 | 0.38 | 0.62 | 0.35 | 0.36 | 1.32 | 1.40 | 0.91 | 0.65 | 0.37 | 0.92 | 0.68 | 0.70 | |
| 21 | 0.36 | 0.49 | 0.36 | 0.91 | 1.30 | 3.67 | 0.89 | 0.65 | 0.37 | 0.92 | 0.82 | 0.74 | |
| 22 | 0.36 | 0.45 | 0.35 | 0.57 | 0.75 | 2.87 | 0.83 | 0.56 | 0.37 | 0.92 | 1.08 | 0.74 | |
| 23 | 0.36 | 0.59 | 0.34 | 0.48 | 0.57 | 4.10 | 0.79 | 0.45 | 0.37 | 0.92 | 0.80 | 0.74 | |
| 24 | 0.36 | 0.63 | 0.35 | 0.44 | 0.77 | 2.76 | 0.78 | 0.45 | 0.37 | 0.90 | 0.64 | 0.74 | |
| 25 | 0.35 | 0.48 | 0.35 | 0.41 | 0.85 | 1.86 | 0.76 | 0.45 | 0.37 | 0.90 | 0.63 | 0.74 | |
| 26 | 0.35 | 0.42 | 0.35 | 0.44 | 0.85 | 1.57 | 0.74 | 0.49 | 0.37 | 0.90 | 0.72 | 0.70 | |
| 27 | 0.35 | 0.40 | 0.75 | 0.42 | 1.28 | 2.76 | 0.69 | 0.47 | 0.37 | 0.90 | 0.96 | 0.70 | |
| 28 | 0.35 | 0.39 | 0.51 | 0.42 | 0.71 | 2.98 | 0.68 | 0.45 | 0.37 | 0.90 | 0.92 | 0.70 | |
| 29 | 0.35 | 0.36 | 0.54 | 0.41 | 0.66 | 3.56 | 0.66 | 0.43 | 0.37 | 0.90 | | 0.70 | |
| 30 | 0.35 | 0.34 | 0.47 | 0.41 | 4.30 | 3.08 | 0.63 | 0.43 | 0.37 | 0.90 | | 0.70 | |
| 31 | | 0.34 | | 0.40 | 4.06 | | 0.60 | | 0.37 | 0.90 | | 0.70 | |
| Mean | 0.37 | 0.51 | 0.36 | 0.46 | 1.06 | 1.75 | 2.13 | 0.60 | 0.38 | 0.66 | 0.70 | 0.75 | |
| Max | 0.59 | 0.83 | 0.75 | 1.00 | 4.30 | 4.10 | 7.59 | 1.27 | 0.42 | 1.26 | 1.08 | 1.06 | 7.59 |
| Min | 0.24 | 0.34 | 0.27 | 0.32 | 0.38 | 0.69 | 0.60 | 0.43 | 0.37 | 0.34 | 0.45 | 0.60 | 0.24 |

Annual Max Momentary Gage Height 7.83 m. (A.D.) , at 17.00 Hours , on Oct 3 , 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.08 m. (A.D.)

Left Bank Elevation 8.73 m. (A.D.) ,

Right Bank Elevation 8.70 m. (A.D.) , Drainage Are 357 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.39 | 0.24 | 0.24 | 0.31 | 1.21 | 6.55 | 15.60 | 0.47 | 0.32 | 0.27 | 1.30 | 1.36 | | |
| 2 | 0.32 | 0.24 | 0.24 | 0.32 | 0.47 | 2.60 | 24.96 | 0.47 | 0.30 | 0.27 | 1.30 | 1.09 | | |
| 3 | 0.31 | 0.30 | 0.24 | 0.33 | 0.40 | 2.20 | 106.49 | 0.46 | 0.30 | 0.27 | 0.40 | 0.53 | | |
| 4 | 0.29 | 0.48 | 0.23 | 0.31 | 0.35 | 1.33 | 86.22 | 0.46 | 0.29 | 0.27 | 0.35 | 0.53 | | |
| 5 | 0.26 | 0.39 | 0.23 | 0.28 | 0.32 | 0.80 | 75.24 | 0.46 | 0.29 | 0.27 | 0.35 | 0.50 | | |
| 6 | 0.25 | 0.93 | 0.23 | 0.26 | 0.33 | 0.73 | 31.88 | 0.46 | 0.29 | 0.27 | 0.35 | 0.50 | | |
| 7 | 0.24 | 0.47 | 0.23 | 0.25 | 0.32 | 1.18 | 17.11 | 0.63 | 0.29 | 0.27 | 0.35 | 0.58 | | |
| 8 | 0.24 | 0.63 | 0.23 | 0.24 | 0.31 | 1.30 | 10.39 | 2.95 | 0.29 | 0.26 | 0.35 | 1.90 | | |
| 9 | 0.24 | 0.49 | 0.22 | 0.23 | 0.31 | 1.30 | 13.27 | 0.70 | 0.29 | 0.25 | 0.35 | 1.70 | | |
| 10 | 0.24 | 0.44 | 0.22 | 0.22 | 0.28 | 1.75 | 15.20 | 0.70 | 0.29 | 0.25 | 1.21 | 1.48 | | |
| 11 | 0.24 | 0.42 | 0.21 | 0.46 | 2.45 | 2.00 | 25.08 | 0.70 | 0.29 | 0.25 | 1.21 | 1.45 | | |
| 12 | 0.24 | 0.42 | 0.20 | 1.60 | 2.30 | 2.45 | 10.39 | 0.68 | 0.29 | 0.25 | 1.21 | 0.78 | | |
| 13 | 0.21 | 0.42 | 0.19 | 0.44 | 2.30 | 3.52 | 5.32 | 0.68 | 0.29 | 0.25 | 0.68 | 0.78 | | |
| 14 | 0.16 | 0.49 | 0.18 | 0.37 | 3.52 | 3.16 | 3.94 | 0.65 | 0.29 | 0.25 | 0.68 | 0.78 | | |
| 15 | 0.14 | 0.42 | 0.17 | 0.32 | 2.55 | 3.70 | 2.90 | 0.65 | 0.29 | 0.24 | 0.70 | 1.24 | | |
| 16 | 0.49 | 0.41 | 0.22 | 0.58 | 2.35 | 3.64 | 2.45 | 0.65 | 0.29 | 2.90 | 0.70 | 1.30 | | |
| 17 | 0.36 | 0.38 | 0.21 | 0.35 | 2.30 | 3.94 | 2.15 | 0.65 | 0.28 | 2.80 | 0.70 | 0.75 | | |
| 18 | 0.29 | 0.36 | 0.28 | 0.31 | 2.30 | 3.52 | 2.15 | 0.63 | 0.27 | 1.36 | 0.70 | 0.75 | | |
| 19 | 0.28 | 1.09 | 0.28 | 0.28 | 1.70 | 3.16 | 1.42 | 0.63 | 0.27 | 1.36 | 0.70 | 0.75 | | |
| 20 | 0.28 | 0.55 | 0.25 | 0.26 | 3.22 | 3.70 | 1.33 | 0.63 | 0.27 | 1.36 | 0.70 | 0.75 | | |
| 21 | 0.26 | 0.39 | 0.26 | 1.33 | 3.10 | 24.84 | 1.27 | 0.63 | 0.27 | 1.36 | 1.06 | 0.85 | | |
| 22 | 0.26 | 0.35 | 0.25 | 0.47 | 0.88 | 15.60 | 1.09 | 0.46 | 0.27 | 1.36 | 2.00 | 0.85 | | |
| 23 | 0.26 | 0.49 | 0.24 | 0.38 | 0.47 | 30.20 | 0.98 | 0.35 | 0.27 | 1.36 | 1.00 | 0.85 | | |
| 24 | 0.26 | 0.58 | 0.25 | 0.34 | 0.93 | 14.50 | 0.95 | 0.35 | 0.27 | 1.30 | 0.60 | 0.85 | | |
| 25 | 0.25 | 0.38 | 0.25 | 0.31 | 1.15 | 6.62 | 0.90 | 0.35 | 0.27 | 1.30 | 0.58 | 0.85 | | |
| 26 | 0.25 | 0.32 | 0.25 | 0.34 | 1.15 | 4.72 | 0.85 | 0.39 | 0.27 | 1.30 | 0.80 | 0.75 | | |
| 27 | 0.25 | 0.30 | 0.88 | 0.32 | 3.00 | 14.50 | 0.73 | 0.37 | 0.27 | 1.30 | 1.48 | 0.75 | | |
| 28 | 0.25 | 0.29 | 0.41 | 0.32 | 0.78 | 16.78 | 0.70 | 0.35 | 0.27 | 1.30 | 1.36 | 0.75 | | |
| 29 | 0.25 | 0.26 | 0.44 | 0.31 | 0.65 | 23.52 | 0.65 | 0.33 | 0.27 | 1.30 | | 0.75 | | |
| 30 | 0.25 | 0.24 | 0.37 | 0.31 | 33.00 | 17.88 | 0.58 | 0.33 | 0.27 | 1.30 | | 0.75 | | |
| 31 | | 0.24 | | 0.30 | 29.64 | | 0.50 | | 0.27 | 1.30 | | 0.75 | | |
| Total | 8.01 | 13.41 | 8.10 | 12.45 | 104.04 | 221.69 | 462.69 | 18.22 | 8.75 | 28.15 | 23.17 | 28.25 | 936.93 | CMSDAY |
| Mean | 0.27 | 0.43 | 0.27 | 0.40 | 3.36 | 7.39 | 14.93 | 0.61 | 0.28 | 0.91 | 0.83 | 0.91 | 2.57 | CMS |
| Max | 0.49 | 1.09 | 0.88 | 1.60 | 33.00 | 30.20 | 106.49 | 2.95 | 0.32 | 2.90 | 2.00 | 1.90 | 106.49 | CMS |
| Min | 0.14 | 0.24 | 0.17 | 0.22 | 0.28 | 0.73 | 0.50 | 0.33 | 0.27 | 0.24 | 0.35 | 0.50 | 0.14 | CMS |
| Runoff | 0.69 | 1.16 | 0.70 | 1.08 | 8.99 | 19.15 | 39.98 | 1.57 | 0.76 | 2.43 | 2.00 | 2.44 | 80.95 | MCM |

Momentary Peak 113.96 CMS. at 7.83 m. (A.D.) at 17.00 Hours , on Oct 3 , 2006

Runoff Yield 7.19 Liters/Second/Square KM. Momentary Peak Yield 319.01 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Lam Sonthi at Ban Tha Ruak , Lop Buri (S.14)

Lat 15 - 13 - 24 N Long 101 - 16 - 52 E

**Location : on right bank at the bridge.**

**Ban** Tha Ruak **Amphoe** Chai Badan **Changwat** Lop Buri

| | |
|---|---|
| **Drainge Area** | 1,263 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +52.580 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +63.824 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1978 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1980 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1980 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

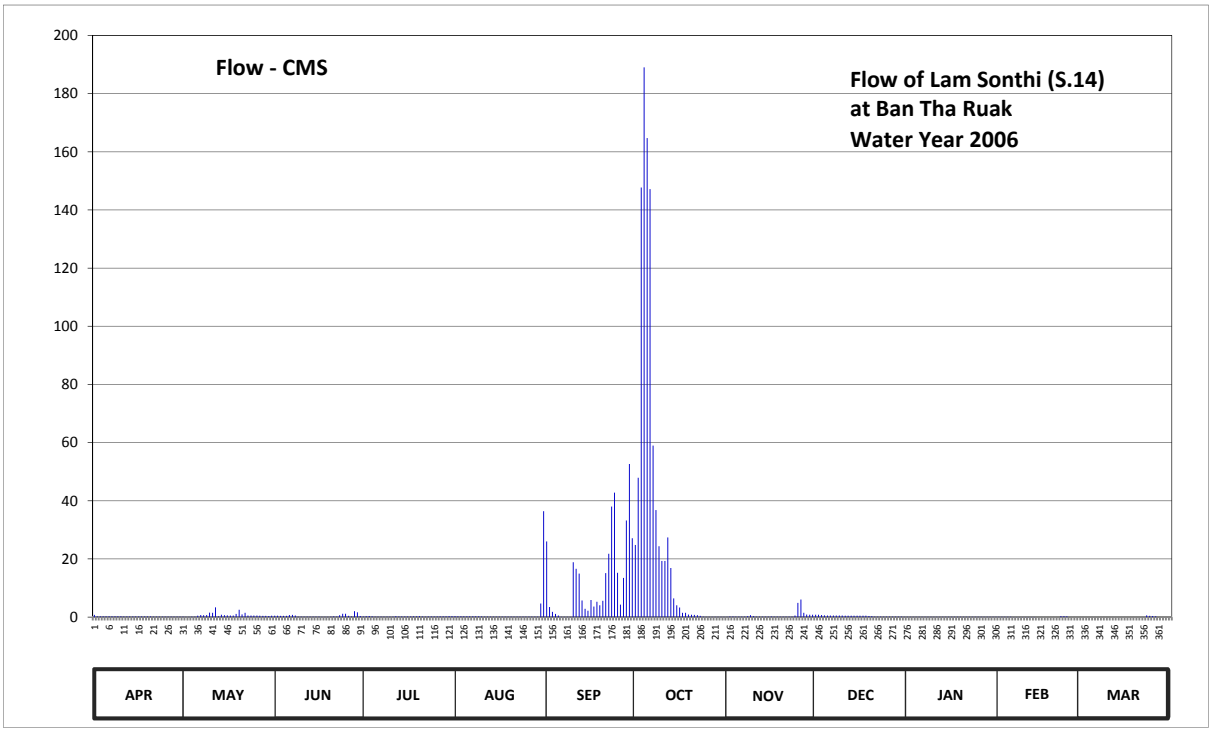
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54.46 | 54.09 | 54.29 | 54.12 | 54.18 | 57.16 | 57.08 | 54.08 | 54.48 | 54.08 | 54.08 | 54.01 | |
| 2 | 54.17 | 54.08 | 54.28 | 54.20 | 54.17 | 55.20 | 58.31 | 54.12 | 54.48 | 54.08 | 54.08 | 54.01 | |
| 3 | 54.17 | 54.08 | 54.26 | 54.22 | 54.17 | 54.83 | 61.01 | 54.12 | 54.44 | 54.08 | 54.08 | 54.01 | |
| 4 | 54.17 | 54.10 | 54.25 | 54.16 | 54.17 | 54.63 | 61.70 | 54.11 | 54.37 | 54.08 | 54.06 | 54.01 | |
| 5 | 54.17 | 54.10 | 54.25 | 54.11 | 54.17 | 54.34 | 61.30 | 54.11 | 54.33 | 54.08 | 54.05 | 54.01 | |
| 6 | 54.17 | 54.29 | 54.43 | 54.10 | 54.17 | 54.08 | 61.00 | 54.11 | 54.31 | 54.08 | 54.02 | 54.01 | |
| 7 | 54.16 | 54.43 | 54.45 | 54.10 | 54.17 | 54.08 | 58.74 | 54.11 | 54.32 | 54.08 | 54.02 | 54.00 | |
| 8 | 54.16 | 54.39 | 54.32 | 54.10 | 54.17 | 54.08 | 57.79 | 54.21 | 54.32 | 54.08 | 54.02 | 54.00 | |
| 9 | 54.15 | 54.42 | 54.10 | 54.10 | 54.17 | 54.06 | 57.05 | 54.41 | 54.32 | 54.08 | 54.02 | 54.00 | |
| 10 | 54.15 | 54.75 | 54.10 | 54.10 | 54.12 | 56.69 | 56.72 | 54.18 | 54.31 | 54.08 | 54.02 | 54.00 | |
| 11 | 54.14 | 54.74 | 54.10 | 54.11 | 54.10 | 56.53 | 56.72 | 54.10 | 54.30 | 54.08 | 54.03 | 54.00 | |
| 12 | 54.14 | 55.18 | 54.10 | 54.18 | 54.10 | 56.40 | 57.25 | 54.10 | 54.29 | 54.08 | 54.03 | 54.00 | |
| 13 | 54.14 | 54.15 | 54.10 | 54.13 | 54.10 | 55.52 | 56.55 | 54.10 | 54.29 | 54.07 | 54.03 | 54.00 | |
| 14 | 54.14 | 54.50 | 54.10 | 54.13 | 54.11 | 55.11 | 55.60 | 54.10 | 54.29 | 54.07 | 54.01 | 54.00 | |
| 15 | 54.14 | 54.38 | 54.09 | 54.14 | 54.11 | 54.94 | 55.29 | 54.10 | 54.29 | 54.07 | 54.01 | 54.00 | |
| 16 | 54.13 | 54.35 | 54.09 | 54.14 | 54.11 | 55.54 | 55.17 | 54.13 | 54.29 | 54.06 | 54.01 | 54.00 | |
| 17 | 54.12 | 54.34 | 54.08 | 54.14 | 54.11 | 55.22 | 54.73 | 54.10 | 54.29 | 54.07 | 54.01 | 54.00 | |
| 18 | 54.12 | 54.34 | 54.08 | 54.15 | 54.11 | 55.47 | 54.73 | 54.10 | 54.29 | 54.08 | 54.01 | 54.00 | |
| 19 | 54.12 | 54.62 | 54.08 | 54.16 | 54.10 | 55.29 | 54.52 | 54.10 | 54.23 | 54.08 | 54.01 | 54.00 | |
| 20 | 54.12 | 55.02 | 54.11 | 54.18 | 54.10 | 55.51 | 54.48 | 54.10 | 54.20 | 54.08 | 54.01 | 54.00 | |
| 21 | 54.11 | 54.55 | 54.16 | 54.13 | 54.10 | 56.41 | 54.45 | 54.10 | 54.10 | 54.08 | 54.01 | 54.00 | |
| 22 | 54.10 | 54.74 | 54.14 | 54.11 | 54.10 | 56.88 | 54.38 | 54.10 | 54.10 | 54.08 | 54.21 | 54.00 | |
| 23 | 54.10 | 54.31 | 54.38 | 54.12 | 54.10 | 57.85 | 54.25 | 54.10 | 54.10 | 54.08 | 54.21 | 54.36 | |
| 24 | 54.10 | 54.32 | 54.64 | 54.13 | 54.10 | 58.09 | 54.11 | 54.34 | 54.10 | 54.08 | 54.15 | 54.26 | |
| 25 | 54.10 | 54.31 | 54.64 | 54.14 | 54.10 | 56.42 | 54.08 | 55.41 | 54.10 | 54.08 | 54.01 | 54.23 | |
| 26 | 54.09 | 54.32 | 54.26 | 54.14 | 54.10 | 55.32 | 54.08 | 55.56 | 54.10 | 54.08 | 54.01 | 54.17 | |
| 27 | 54.09 | 54.28 | 54.13 | 54.15 | 54.11 | 56.28 | 54.07 | 54.74 | 54.10 | 54.08 | 54.01 | 54.00 | |
| 28 | 54.09 | 54.27 | 54.88 | 54.16 | 54.11 | 57.60 | 54.07 | 54.52 | 54.10 | 54.08 | 54.01 | 54.00 | |
| 29 | 54.09 | 54.26 | 54.78 | 54.17 | 54.11 | 58.51 | 54.07 | 54.48 | 54.09 | 54.08 | | 54.00 | |
| 30 | 54.09 | 54.24 | 54.24 | 54.18 | 55.38 | 57.23 | 54.06 | 54.48 | 54.09 | 54.08 | | 54.00 | |
| 31 | | 54.28 | | 54.18 | 57.77 | | 54.06 | | 54.08 | 54.08 | | 54.00 | |
| Mean | 54.14 | 54.39 | 54.26 | 54.14 | 54.28 | 55.84 | 56.17 | 54.28 | 54.24 | 54.08 | 54.04 | 54.03 | |
| Max | 54.46 | 55.18 | 54.88 | 54.22 | 57.77 | 58.51 | 61.70 | 55.56 | 54.48 | 54.08 | 54.21 | 54.36 | 61.70 |
| Min | 54.09 | 54.08 | 54.08 | 54.10 | 54.10 | 54.06 | 54.06 | 54.08 | 54.08 | 54.06 | 54.01 | 54.00 | 54.00 |

Annual Max Momentary Gage Height 61.71 m. (MSL.) , at 12.00 Hours , on Oct 4 , 2006

Zero Gage at Bottom Elevation 52.58 m. (MSL.) , River Bed 52.91 m. (MSL.)

Left Bank Elevation 63.82 m. (MSL.) ,

Right Bank Elevation 63.84 m. (MSL.) , Drainage Are 1,263 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.77 | 0.15 | 0.48 | 0.20 | 0.30 | 26.04 | 24.82 | 0.13 | 0.80 | 0.13 | 0.13 | 0.02 | | |
| 2 | 0.28 | 0.13 | 0.47 | 0.33 | 0.28 | 3.48 | 47.94 | 0.20 | 0.80 | 0.13 | 0.13 | 0.02 | | |
| 3 | 0.28 | 0.13 | 0.43 | 0.37 | 0.28 | 1.83 | 147.72 | 0.20 | 0.73 | 0.13 | 0.13 | 0.02 | | |
| 4 | 0.28 | 0.17 | 0.42 | 0.27 | 0.28 | 1.11 | 189.00 | 0.18 | 0.62 | 0.13 | 0.10 | 0.02 | | |
| 5 | 0.28 | 0.17 | 0.42 | 0.18 | 0.28 | 0.57 | 164.68 | 0.18 | 0.55 | 0.13 | 0.08 | 0.02 | | |
| 6 | 0.28 | 0.48 | 0.72 | 0.17 | 0.28 | 0.13 | 147.15 | 0.18 | 0.52 | 0.13 | 0.03 | 0.02 | | |
| 7 | 0.27 | 0.72 | 0.75 | 0.17 | 0.28 | 0.13 | 58.99 | 0.18 | 0.53 | 0.13 | 0.03 | 0.00 | | |
| 8 | 0.27 | 0.65 | 0.53 | 0.17 | 0.28 | 0.13 | 36.80 | 0.35 | 0.53 | 0.13 | 0.03 | 0.00 | | |
| 9 | 0.25 | 0.70 | 0.17 | 0.17 | 0.28 | 0.10 | 24.36 | 0.68 | 0.53 | 0.13 | 0.03 | 0.00 | | |
| 10 | 0.25 | 1.54 | 0.17 | 0.17 | 0.20 | 18.87 | 19.33 | 0.30 | 0.52 | 0.13 | 0.03 | 0.00 | | |
| 11 | 0.23 | 1.50 | 0.17 | 0.18 | 0.17 | 16.62 | 19.33 | 0.17 | 0.50 | 0.13 | 0.05 | 0.00 | | |
| 12 | 0.23 | 3.34 | 0.17 | 0.30 | 0.17 | 14.98 | 27.41 | 0.17 | 0.48 | 0.13 | 0.05 | 0.00 | | |
| 13 | 0.23 | 0.25 | 0.17 | 0.22 | 0.17 | 5.69 | 16.87 | 0.17 | 0.48 | 0.12 | 0.05 | 0.00 | | |
| 14 | 0.23 | 0.83 | 0.17 | 0.22 | 0.18 | 2.87 | 6.45 | 0.17 | 0.48 | 0.12 | 0.02 | 0.00 | | |
| 15 | 0.23 | 0.63 | 0.15 | 0.23 | 0.18 | 2.22 | 4.08 | 0.17 | 0.48 | 0.12 | 0.02 | 0.00 | | |
| 16 | 0.22 | 0.58 | 0.15 | 0.23 | 0.18 | 5.88 | 3.27 | 0.22 | 0.48 | 0.10 | 0.02 | 0.00 | | |
| 17 | 0.20 | 0.57 | 0.13 | 0.23 | 0.18 | 3.61 | 1.47 | 0.17 | 0.48 | 0.12 | 0.02 | 0.00 | | |
| 18 | 0.20 | 0.57 | 0.13 | 0.25 | 0.18 | 5.30 | 1.47 | 0.17 | 0.48 | 0.13 | 0.02 | 0.00 | | |
| 19 | 0.20 | 1.07 | 0.13 | 0.27 | 0.17 | 4.08 | 0.87 | 0.17 | 0.38 | 0.13 | 0.02 | 0.00 | | |
| 20 | 0.20 | 2.51 | 0.18 | 0.30 | 0.17 | 5.60 | 0.80 | 0.17 | 0.33 | 0.13 | 0.02 | 0.00 | | |
| 21 | 0.18 | 0.92 | 0.27 | 0.22 | 0.17 | 15.11 | 0.75 | 0.17 | 0.17 | 0.13 | 0.02 | 0.00 | | |
| 22 | 0.17 | 1.50 | 0.23 | 0.18 | 0.17 | 21.77 | 0.63 | 0.17 | 0.17 | 0.13 | 0.35 | 0.00 | | |
| 23 | 0.17 | 0.52 | 0.63 | 0.20 | 0.17 | 38.00 | 0.42 | 0.17 | 0.17 | 0.13 | 0.35 | 0.60 | | |
| 24 | 0.17 | 0.53 | 1.14 | 0.22 | 0.17 | 42.80 | 0.18 | 0.57 | 0.17 | 0.13 | 0.25 | 0.43 | | |
| 25 | 0.17 | 0.52 | 1.14 | 0.23 | 0.17 | 15.23 | 0.13 | 4.89 | 0.17 | 0.13 | 0.02 | 0.38 | | |
| 26 | 0.15 | 0.53 | 0.43 | 0.23 | 0.17 | 4.29 | 0.13 | 6.07 | 0.17 | 0.13 | 0.02 | 0.28 | | |
| 27 | 0.15 | 0.47 | 0.22 | 0.25 | 0.18 | 13.47 | 0.12 | 1.50 | 0.17 | 0.13 | 0.02 | 0.00 | | |
| 28 | 0.15 | 0.45 | 2.01 | 0.27 | 0.18 | 33.23 | 0.12 | 0.87 | 0.17 | 0.13 | 0.02 | 0.00 | | |
| 29 | 0.15 | 0.43 | 1.65 | 0.28 | 0.18 | 52.67 | 0.12 | 0.80 | 0.15 | 0.13 | | 0.00 | | |
| 30 | 0.15 | 0.40 | 0.40 | 0.30 | 4.69 | 27.11 | 0.10 | 0.80 | 0.15 | 0.13 | | 0.00 | | |
| 31 | | 0.47 | | 0.30 | 36.40 | | 0.10 | | 0.13 | 0.13 | | 0.00 | | |
| Total | 6.99 | 23.43 | 14.23 | 7.31 | 47.14 | 382.92 | 945.61 | 20.34 | 12.49 | 3.96 | 2.06 | 1.81 | 1468.29 | CMSDAY |
| Mean | 0.23 | 0.76 | 0.47 | 0.24 | 1.52 | 12.76 | 30.50 | 0.68 | 0.40 | 0.13 | 0.07 | 0.06 | 4.02 | CMS |
| Max | 0.77 | 3.34 | 2.01 | 0.37 | 36.40 | 52.67 | 189.00 | 6.07 | 0.80 | 0.13 | 0.35 | 0.60 | 189.00 | CMS |
| Min | 0.15 | 0.13 | 0.13 | 0.17 | 0.17 | 0.10 | 0.10 | 0.13 | 0.13 | 0.10 | 0.02 | 0.00 | 0.00 | CMS |
| Runoff | 0.60 | 2.02 | 1.23 | 0.63 | 4.07 | 33.08 | 81.70 | 1.76 | 1.08 | 0.34 | 0.18 | 0.16 | 126.86 | MCM |

Momentary Peak 189.65 CMS. at 61.71 m. (MSL.) at 12.00 Hours , on Oct 4 , 2006

Runoff Yield 3.18 Liters/Second/Square KM. Momentary Peak Yield 150.14 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Nam Chun at Ban Fai Wang Bon, Phetchabun (S.17)

Lat 16 - 45 - 43 N Long 101 - 08 - 44 E

**Location : on left bank at Ban Fai Wang Bon.**

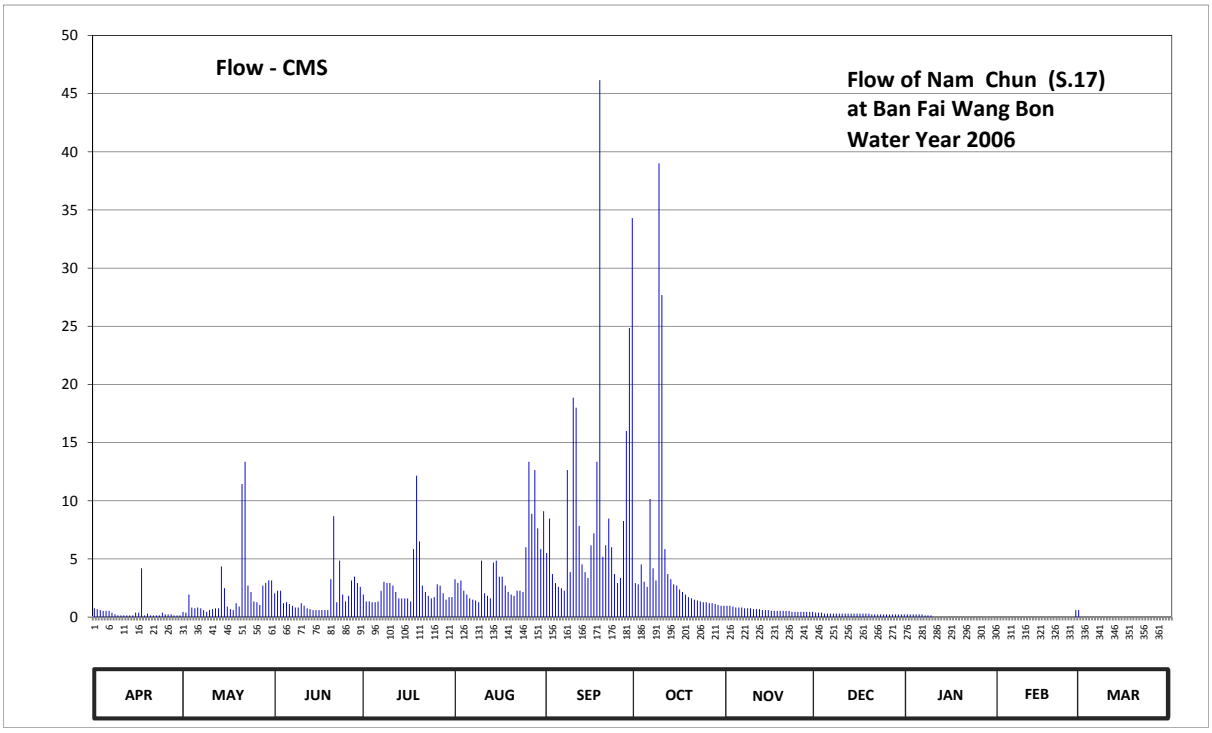
**Ban** Fai Wang Bon **Amphoe** Lom Sak **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 66 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +184.610 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the gage site. **Elevation** +187.610 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2005 to date |
| **Rating Operation** | |
| **Period of Rating** | 2005 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2005 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 184.70 | 184.66 | 184.85 | 184.84 | 184.96 | 185.11 | 184.93 | 184.73 | 184.65 | 184.63 | 184.59 | 184.58 | |
| 2 | 184.69 | 184.65 | 184.87 | 184.78 | 184.93 | 185.27 | 184.92 | 184.73 | 184.65 | 184.63 | 184.59 | 184.58 | |
| 3 | 184.68 | 184.84 | 184.87 | 184.78 | 184.95 | 185.00 | 185.05 | 184.72 | 184.65 | 184.63 | 184.59 | 184.58 | |
| 4 | 184.67 | 184.71 | 184.76 | 184.77 | 184.87 | 184.93 | 184.94 | 184.71 | 184.64 | 184.63 | 184.59 | 184.58 | |
| 5 | 184.67 | 184.70 | 184.77 | 184.77 | 184.84 | 184.90 | 184.90 | 184.71 | 184.64 | 184.63 | 184.59 | 184.58 | |
| 6 | 184.67 | 184.71 | 184.75 | 184.78 | 184.81 | 184.89 | 185.35 | 184.71 | 184.64 | 184.63 | 184.59 | 184.57 | |
| 7 | 184.65 | 184.70 | 184.73 | 184.87 | 184.80 | 184.87 | 185.03 | 184.70 | 184.64 | 184.62 | 184.59 | 184.56 | |
| 8 | 184.63 | 184.68 | 184.71 | 184.94 | 184.79 | 185.46 | 184.95 | 184.70 | 184.64 | 184.62 | 184.59 | 184.55 | |
| 9 | 184.62 | 184.66 | 184.71 | 184.93 | 184.77 | 185.01 | 186.30 | 184.70 | 184.64 | 184.62 | 184.59 | 184.54 | |
| 10 | 184.62 | 184.68 | 184.76 | 184.93 | 185.07 | 185.70 | 185.99 | 184.69 | 184.64 | 184.60 | 184.59 | 184.53 | |
| 11 | 184.62 | 184.69 | 184.73 | 184.91 | 184.85 | 185.67 | 185.13 | 184.69 | 184.64 | 184.59 | 184.59 | 184.52 | |
| 12 | 184.62 | 184.70 | 184.70 | 184.86 | 184.83 | 185.24 | 185.00 | 184.69 | 184.64 | 184.59 | 184.58 | 184.51 | |
| 13 | 184.62 | 184.70 | 184.69 | 184.81 | 184.81 | 185.05 | 184.96 | 184.68 | 184.64 | 184.59 | 184.57 | 184.51 | |
| 14 | 184.62 | 185.04 | 184.68 | 184.81 | 185.06 | 185.01 | 184.92 | 184.68 | 184.64 | 184.59 | 184.57 | 184.51 | |
| 15 | 184.65 | 184.89 | 184.68 | 184.81 | 185.07 | 184.97 | 184.91 | 184.68 | 184.64 | 184.59 | 184.57 | 184.51 | |
| 16 | 184.65 | 184.72 | 184.68 | 184.81 | 184.98 | 185.15 | 184.88 | 184.67 | 184.64 | 184.59 | 184.57 | 184.51 | |
| 17 | 185.03 | 184.69 | 184.68 | 184.78 | 184.98 | 185.21 | 184.86 | 184.67 | 184.64 | 184.59 | 184.56 | 184.51 | |
| 18 | 184.62 | 184.68 | 184.68 | 185.13 | 184.91 | 185.49 | 184.84 | 184.67 | 184.64 | 184.59 | 184.56 | 184.51 | |
| 19 | 184.64 | 184.76 | 184.68 | 185.44 | 184.86 | 186.47 | 184.82 | 184.67 | 184.64 | 184.59 | 184.57 | 184.51 | |
| 20 | 184.62 | 184.72 | 184.96 | 185.17 | 184.84 | 185.09 | 184.81 | 184.67 | 184.63 | 184.59 | 184.57 | 184.51 | |
| 21 | 184.62 | 185.41 | 185.28 | 184.91 | 184.83 | 185.15 | 184.80 | 184.67 | 184.63 | 184.59 | 184.57 | 184.50 | |
| 22 | 184.62 | 185.49 | 184.77 | 184.86 | 184.87 | 185.27 | 184.79 | 184.67 | 184.63 | 184.59 | 184.57 | 184.50 | |
| 23 | 184.62 | 184.91 | 185.07 | 184.83 | 184.87 | 185.14 | 184.78 | 184.66 | 184.63 | 184.59 | 184.57 | 184.50 | |
| 24 | 184.65 | 184.86 | 184.84 | 184.81 | 184.86 | 185.00 | 184.77 | 184.66 | 184.63 | 184.59 | 184.57 | 184.50 | |
| 25 | 184.63 | 184.78 | 184.78 | 184.82 | 185.14 | 184.93 | 184.77 | 184.66 | 184.63 | 184.59 | 184.56 | 184.50 | |
| 26 | 184.63 | 184.77 | 184.83 | 184.92 | 185.49 | 184.97 | 184.76 | 184.66 | 184.63 | 184.59 | 184.56 | 184.50 | |
| 27 | 184.63 | 184.74 | 184.95 | 184.91 | 185.29 | 185.26 | 184.76 | 184.66 | 184.63 | 184.59 | 184.68 | 184.50 | |
| 28 | 184.62 | 184.91 | 184.98 | 184.85 | 185.46 | 185.60 | 184.75 | 184.66 | 184.63 | 184.59 | 184.68 | 184.50 | |
| 29 | 184.62 | 184.93 | 184.93 | 184.80 | 185.23 | 185.90 | 184.74 | 184.66 | 184.63 | 184.59 | | 184.50 | |
| 30 | 184.62 | 184.95 | 184.90 | 184.82 | 185.13 | 186.18 | 184.73 | 184.66 | 184.63 | 184.59 | | 184.50 | |
| 31 | | 184.95 | | 184.82 | 185.30 | | 184.73 | | 184.63 | 184.59 | | 184.50 | |
| Mean | 184.65 | 184.82 | 184.81 | 184.88 | 184.98 | 185.26 | 184.96 | 184.68 | 184.64 | 184.60 | 184.58 | 184.52 | |
| Max | 185.03 | 185.49 | 185.28 | 185.44 | 185.49 | 186.47 | 186.30 | 184.73 | 184.65 | 184.63 | 184.68 | 184.58 | 186.47 |
| Min | 184.62 | 184.65 | 184.68 | 184.77 | 184.77 | 184.87 | 184.73 | 184.66 | 184.63 | 184.59 | 184.56 | 184.50 | 184.50 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 187.61 | m. (MSL.) , | at 12.00 Hours , on Oct 9 , 2006 | | |
| Zero Gage at Bottom Elevation | 184.61 | m. (MSL.) , | River Bed | 184.75 | m. (MSL.) |
| Left Bank Elevation | 193.18 | m. (MSL.) , | | | |
| Right Bank Elevation | 193.33 | m. (MSL.) , | Drainage Are | 66 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.75 | 0.45 | 2.05 | 1.94 | 3.26 | 5.52 | 2.93 | 0.98 | 0.38 | 0.23 | 0.00 | 0.00 | | |
| 2 | 0.68 | 0.38 | 2.27 | 1.35 | 2.93 | 8.47 | 2.82 | 0.98 | 0.38 | 0.23 | 0.00 | 0.00 | | |
| 3 | 0.60 | 1.94 | 2.27 | 1.35 | 3.15 | 3.70 | 4.53 | 0.90 | 0.38 | 0.23 | 0.00 | 0.00 | | |
| 4 | 0.53 | 0.83 | 1.20 | 1.28 | 2.27 | 2.93 | 3.04 | 0.83 | 0.30 | 0.23 | 0.00 | 0.00 | | |
| 5 | 0.53 | 0.75 | 1.28 | 1.28 | 1.94 | 2.60 | 2.60 | 0.83 | 0.30 | 0.23 | 0.00 | 0.00 | | |
| 6 | 0.53 | 0.83 | 1.13 | 1.35 | 1.61 | 2.49 | 10.15 | 0.83 | 0.30 | 0.23 | 0.00 | 0.00 | | |
| 7 | 0.38 | 0.75 | 0.98 | 2.27 | 1.50 | 2.27 | 4.20 | 0.75 | 0.30 | 0.15 | 0.00 | 0.00 | | |
| 8 | 0.23 | 0.60 | 0.83 | 3.04 | 1.43 | 12.64 | 3.15 | 0.75 | 0.30 | 0.15 | 0.00 | 0.00 | | |
| 9 | 0.15 | 0.45 | 0.83 | 2.93 | 1.28 | 3.87 | 39.00 | 0.75 | 0.30 | 0.15 | 0.00 | 0.00 | | |
| 10 | 0.15 | 0.60 | 1.20 | 2.93 | 4.86 | 18.85 | 27.69 | 0.68 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.15 | 0.68 | 0.98 | 2.71 | 2.05 | 18.00 | 5.85 | 0.68 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.15 | 0.75 | 0.75 | 2.16 | 1.83 | 7.84 | 3.70 | 0.68 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.15 | 0.75 | 0.68 | 1.61 | 1.61 | 4.53 | 3.26 | 0.60 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.15 | 4.36 | 0.60 | 1.61 | 4.69 | 3.87 | 2.82 | 0.60 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.38 | 2.49 | 0.60 | 1.61 | 4.86 | 3.37 | 2.71 | 0.60 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.38 | 0.90 | 0.60 | 1.61 | 3.48 | 6.18 | 2.38 | 0.53 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 17 | 4.20 | 0.68 | 0.60 | 1.35 | 3.48 | 7.21 | 2.16 | 0.53 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.15 | 0.60 | 0.60 | 5.85 | 2.71 | 13.36 | 1.94 | 0.53 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.30 | 1.20 | 0.60 | 12.16 | 2.16 | 46.15 | 1.72 | 0.53 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.15 | 0.90 | 3.26 | 6.51 | 1.94 | 5.19 | 1.61 | 0.53 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.15 | 11.44 | 8.68 | 2.71 | 1.83 | 6.18 | 1.50 | 0.53 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.15 | 13.36 | 1.28 | 2.16 | 2.27 | 8.47 | 1.43 | 0.53 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.15 | 2.71 | 4.86 | 1.83 | 2.27 | 6.01 | 1.35 | 0.45 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.38 | 2.16 | 1.94 | 1.61 | 2.16 | 3.70 | 1.28 | 0.45 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.23 | 1.35 | 1.35 | 1.72 | 6.01 | 2.93 | 1.28 | 0.45 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.23 | 1.28 | 1.83 | 2.82 | 13.36 | 3.37 | 1.20 | 0.45 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.23 | 1.05 | 3.15 | 2.71 | 8.89 | 8.26 | 1.20 | 0.45 | 0.23 | 0.00 | 0.60 | 0.00 | | |
| 28 | 0.15 | 2.71 | 3.48 | 2.05 | 12.64 | 16.00 | 1.13 | 0.45 | 0.23 | 0.00 | 0.60 | 0.00 | | |
| 29 | 0.15 | 2.93 | 2.93 | 1.50 | 7.63 | 24.85 | 1.05 | 0.45 | 0.23 | 0.00 | | 0.00 | | |
| 30 | 0.15 | 3.15 | 2.60 | 1.72 | 5.85 | 34.30 | 0.98 | 0.45 | 0.23 | 0.00 | | 0.00 | | |
| 31 | | 3.15 | | 1.72 | 9.10 | | 0.98 | | 0.23 | 0.00 | | 0.00 | | |
| Total | 12.66 | 66.18 | 55.41 | 79.45 | 125.05 | 293.11 | 141.64 | 18.75 | 8.70 | 1.83 | 1.20 | 0.00 | 803.98 | CMSDAY |
| Mean | 0.42 | 2.13 | 1.85 | 2.56 | 4.03 | 9.77 | 4.57 | 0.62 | 0.28 | 0.06 | 0.04 | 0.00 | 2.20 | CMS |
| Max | 4.20 | 13.36 | 8.68 | 12.16 | 13.36 | 46.15 | 39.00 | 0.98 | 0.38 | 0.23 | 0.60 | 0.00 | 46.15 | CMS |
| Min | 0.15 | 0.38 | 0.60 | 1.28 | 1.28 | 2.27 | 0.98 | 0.45 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.09 | 5.72 | 4.79 | 6.86 | 10.80 | 25.32 | 12.24 | 1.62 | 0.75 | 0.16 | 0.10 | 0.00 | 69.46 | MCM |

Momentary Peak 173.90 CMS. at 187.61 m. (MSL.) at 12.00 Hours , on Oct 9, 2006

Runoff Yield 33.37 Liters/Second/Square KM. Momentary Peak Yield 2634.85 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Kham Phran, Lop Buri (S.28A)

Lat 14 - 50 - 21 N Long 101 - 04 - 08 E

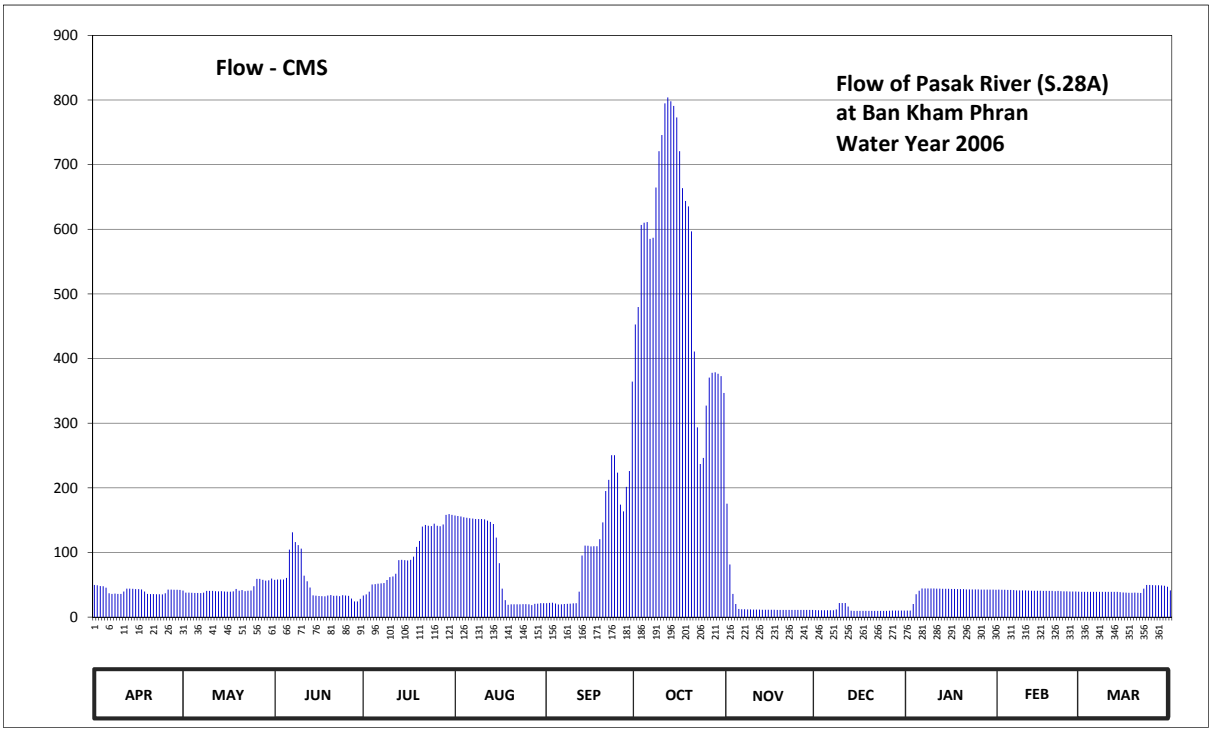
**Location : on left bank at Ban Kam Pran.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Kham Phran | **Amphoe** Wang Muang | **Changwat** Lop Buri | | |
| **Drainge Area** | 12,843 sq.km. | | | | |
| **Type of Gage** | Water - stage recorder | | | | |
| **Zero Gage at Bottom** | +15.500 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On left bank near the automatic gage buiding | | **Elevation** +31.560 m. (MSL.) | | |
| **Gage Reading Frequency** | Recording | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 1986 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1998 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1998 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records good. Flow effected by Pasak Cholasit Dam. | | | | |
| | Stage-discharge relation defined by 64 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17.86 | 17.57 | 18.12 | 17.28 | 20.82 | 16.80 | 25.59 | 21.24 | 16.34 | 16.31 | 17.62 | 17.50 | |
| 2 | 17.84 | 17.45 | 18.14 | 17.35 | 20.80 | 16.82 | 25.91 | 18.81 | 16.33 | 16.31 | 17.61 | 17.50 | |
| 3 | 17.80 | 17.45 | 18.14 | 17.51 | 20.78 | 16.83 | 27.33 | 17.38 | 16.33 | 16.75 | 17.61 | 17.50 | |
| 4 | 17.79 | 17.44 | 18.14 | 17.88 | 20.75 | 16.78 | 27.37 | 16.75 | 16.33 | 17.36 | 17.60 | 17.50 | |
| 5 | 17.72 | 17.43 | 18.22 | 17.90 | 20.73 | 16.72 | 27.38 | 16.43 | 16.33 | 17.56 | 17.60 | 17.50 | |
| 6 | 17.41 | 17.43 | 19.47 | 17.92 | 20.71 | 16.73 | 27.09 | 16.41 | 16.33 | 17.68 | 17.59 | 17.50 | |
| 7 | 17.38 | 17.42 | 20.17 | 17.94 | 20.70 | 16.75 | 27.11 | 16.40 | 16.33 | 17.68 | 17.58 | 17.50 | |
| 8 | 17.39 | 17.45 | 19.79 | 17.96 | 20.68 | 16.76 | 27.96 | 16.39 | 16.39 | 17.68 | 17.58 | 17.50 | |
| 9 | 17.38 | 17.55 | 19.67 | 18.11 | 20.68 | 16.77 | 28.53 | 16.39 | 16.81 | 17.68 | 17.58 | 17.50 | |
| 10 | 17.38 | 17.55 | 19.51 | 18.25 | 20.68 | 16.79 | 28.78 | 16.38 | 16.81 | 17.68 | 17.58 | 17.50 | |
| 11 | 17.52 | 17.55 | 18.32 | 18.28 | 20.67 | 16.80 | 29.27 | 16.38 | 16.81 | 17.67 | 17.57 | 17.50 | |
| 12 | 17.67 | 17.54 | 18.05 | 18.40 | 20.62 | 17.51 | 29.36 | 16.38 | 16.59 | 17.67 | 17.56 | 17.50 | |
| 13 | 17.67 | 17.53 | 17.73 | 19.00 | 20.57 | 19.21 | 29.30 | 16.37 | 16.30 | 17.66 | 17.56 | 17.50 | |
| 14 | 17.66 | 17.54 | 17.29 | 19.02 | 20.49 | 19.65 | 29.23 | 16.37 | 16.28 | 17.66 | 17.56 | 17.48 | |
| 15 | 17.64 | 17.52 | 17.27 | 19.00 | 19.96 | 19.64 | 29.05 | 16.37 | 16.28 | 17.66 | 17.56 | 17.46 | |
| 16 | 17.64 | 17.51 | 17.25 | 18.99 | 18.87 | 19.61 | 28.53 | 16.37 | 16.28 | 17.65 | 17.55 | 17.45 | |
| 17 | 17.63 | 17.51 | 17.24 | 19.02 | 17.67 | 19.62 | 27.95 | 16.37 | 16.28 | 17.65 | 17.55 | 17.44 | |
| 18 | 17.52 | 17.53 | 17.23 | 19.16 | 16.99 | 19.62 | 27.74 | 16.36 | 16.28 | 17.64 | 17.55 | 17.44 | |
| 19 | 17.38 | 17.65 | 17.28 | 19.59 | 16.70 | 19.90 | 27.65 | 16.36 | 16.28 | 17.64 | 17.55 | 17.45 | |
| 20 | 17.37 | 17.56 | 17.31 | 19.83 | 16.73 | 20.55 | 27.22 | 16.36 | 16.28 | 17.64 | 17.54 | 17.44 | |
| 21 | 17.37 | 17.59 | 17.26 | 20.39 | 16.73 | 21.63 | 25.08 | 16.36 | 16.28 | 17.63 | 17.55 | 17.43 | |
| 22 | 17.36 | 17.54 | 17.27 | 20.45 | 16.73 | 21.98 | 23.42 | 16.35 | 16.28 | 17.63 | 17.54 | 17.67 | |
| 23 | 17.36 | 17.56 | 17.24 | 20.42 | 16.73 | 22.70 | 22.47 | 16.35 | 16.28 | 17.63 | 17.53 | 17.86 | |
| 24 | 17.35 | 17.57 | 17.30 | 20.41 | 16.74 | 22.70 | 22.63 | 16.35 | 16.28 | 17.63 | 17.53 | 17.86 | |
| 25 | 17.41 | 17.79 | 17.28 | 20.50 | 16.74 | 22.20 | 23.94 | 16.35 | 16.28 | 17.63 | 17.52 | 17.85 | |
| 26 | 17.62 | 18.17 | 17.26 | 20.42 | 16.73 | 21.21 | 24.54 | 16.35 | 16.29 | 17.62 | 17.52 | 17.84 | |
| 27 | 17.62 | 18.17 | 17.09 | 20.40 | 16.68 | 20.98 | 24.64 | 16.35 | 16.31 | 17.62 | 17.52 | 17.84 | |
| 28 | 17.61 | 18.12 | 16.91 | 20.47 | 16.76 | 21.76 | 24.65 | 16.35 | 16.31 | 17.62 | 17.51 | 17.83 | |
| 29 | 17.61 | 18.08 | 16.91 | 20.84 | 16.77 | 22.25 | 24.62 | 16.35 | 16.31 | 17.62 | | 17.82 | |
| 30 | 17.60 | 18.10 | 17.07 | 20.87 | 16.80 | 24.46 | 24.57 | 16.35 | 16.31 | 17.62 | | 17.77 | |
| 31 | | 18.19 | | 20.84 | 16.80 | | 24.22 | | 16.31 | 17.61 | | 17.58 | |
| Mean | 17.55 | 17.65 | 17.86 | 19.17 | 18.74 | 19.39 | 26.55 | 16.66 | 16.36 | 17.52 | 17.56 | 17.58 | |
| Max | 17.86 | 18.19 | 20.17 | 20.87 | 20.82 | 24.46 | 29.36 | 21.24 | 16.81 | 17.68 | 17.62 | 17.86 | 29.36 |
| Min | 17.35 | 17.42 | 16.91 | 17.28 | 16.68 | 16.72 | 22.47 | 16.35 | 16.28 | 16.31 | 17.51 | 17.43 | 16.28 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 29.37 | m. (MSL.) , | at 06.00 Hours , on Oct 12, 2006 | | |
| Zero Gage at Bottom Elevation | 15.50 | m. (MSL.) , | River Bed | 15.20 | m. (MSL.) |
| Left Bank Elevation | 31.46 | m. (MSL.) , | | | |
| Right Bank Elevation | 33.65 | m. (MSL.) , | Drainage Are | 12,843 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 49.80 | 41.10 | 57.60 | 33.50 | 157.30 | 21.50 | 452.65 | 175.50 | 10.80 | 10.20 | 42.60 | 39.00 | | |
| 2 | 49.20 | 37.75 | 58.20 | 35.25 | 156.50 | 22.00 | 479.85 | 81.35 | 10.60 | 10.20 | 42.30 | 39.00 | | |
| 3 | 48.00 | 37.75 | 58.20 | 39.30 | 155.70 | 22.25 | 606.70 | 36.00 | 10.60 | 20.25 | 42.30 | 39.00 | | |
| 4 | 47.70 | 37.50 | 58.20 | 50.40 | 154.50 | 21.00 | 610.30 | 20.25 | 10.60 | 35.50 | 42.00 | 39.00 | | |
| 5 | 45.60 | 37.25 | 60.70 | 51.00 | 153.70 | 19.50 | 611.20 | 12.60 | 10.60 | 40.80 | 42.00 | 39.00 | | |
| 6 | 36.75 | 37.25 | 104.45 | 51.60 | 152.90 | 19.75 | 585.10 | 12.20 | 10.60 | 44.40 | 41.70 | 39.00 | | |
| 7 | 36.00 | 37.00 | 131.30 | 52.20 | 152.50 | 20.25 | 586.90 | 12.00 | 10.60 | 44.40 | 41.40 | 39.00 | | |
| 8 | 36.25 | 37.75 | 116.10 | 52.80 | 151.70 | 20.50 | 664.70 | 11.80 | 11.80 | 44.40 | 41.40 | 39.00 | | |
| 9 | 36.00 | 40.50 | 111.45 | 57.30 | 151.70 | 20.75 | 721.00 | 11.80 | 21.75 | 44.40 | 41.40 | 39.00 | | |
| 10 | 36.00 | 40.50 | 105.85 | 61.75 | 151.70 | 21.25 | 746.00 | 11.60 | 21.75 | 44.40 | 41.40 | 39.00 | | |
| 11 | 39.60 | 40.50 | 64.20 | 62.80 | 151.30 | 21.50 | 795.00 | 11.60 | 21.75 | 44.10 | 41.10 | 39.00 | | |
| 12 | 44.10 | 40.20 | 55.50 | 67.00 | 149.30 | 39.30 | 804.00 | 11.60 | 16.25 | 44.10 | 40.80 | 39.00 | | |
| 13 | 44.10 | 39.90 | 45.90 | 88.00 | 147.30 | 95.35 | 798.00 | 11.40 | 10.00 | 43.80 | 40.80 | 39.00 | | |
| 14 | 43.80 | 40.20 | 33.75 | 88.70 | 144.10 | 110.75 | 791.00 | 11.40 | 9.60 | 43.80 | 40.80 | 38.50 | | |
| 15 | 43.20 | 39.60 | 33.25 | 88.00 | 122.90 | 110.40 | 773.00 | 11.40 | 9.60 | 43.80 | 40.80 | 38.00 | | |
| 16 | 43.20 | 39.30 | 32.75 | 87.65 | 83.45 | 109.35 | 721.00 | 11.40 | 9.60 | 43.50 | 40.50 | 37.75 | | |
| 17 | 42.90 | 39.30 | 32.50 | 88.70 | 44.10 | 109.70 | 663.75 | 11.40 | 9.60 | 43.50 | 40.50 | 37.50 | | |
| 18 | 39.60 | 39.90 | 32.25 | 93.60 | 26.25 | 109.70 | 643.80 | 11.20 | 9.60 | 43.20 | 40.50 | 37.50 | | |
| 19 | 36.00 | 43.50 | 33.50 | 108.65 | 19.00 | 120.50 | 635.50 | 11.20 | 9.60 | 43.20 | 40.50 | 37.75 | | |
| 20 | 35.75 | 40.80 | 34.25 | 117.70 | 19.75 | 146.50 | 596.80 | 11.20 | 9.60 | 43.20 | 40.20 | 37.50 | | |
| 21 | 35.75 | 41.70 | 33.00 | 140.10 | 19.75 | 195.00 | 411.00 | 11.20 | 9.60 | 42.90 | 40.50 | 37.25 | | |
| 22 | 35.50 | 40.20 | 33.25 | 142.50 | 19.75 | 212.50 | 293.70 | 11.00 | 9.60 | 42.90 | 40.20 | 44.10 | | |
| 23 | 35.50 | 40.80 | 32.50 | 141.30 | 19.75 | 250.50 | 237.00 | 11.00 | 9.60 | 42.90 | 39.90 | 49.80 | | |
| 24 | 35.25 | 41.10 | 34.00 | 140.90 | 20.00 | 250.50 | 246.30 | 11.00 | 9.60 | 42.90 | 39.90 | 49.80 | | |
| 25 | 36.75 | 47.70 | 33.50 | 144.50 | 20.00 | 223.50 | 327.30 | 11.00 | 9.60 | 42.90 | 39.60 | 49.50 | | |
| 26 | 42.60 | 59.10 | 33.00 | 141.30 | 19.75 | 174.00 | 370.50 | 11.00 | 9.80 | 42.60 | 39.60 | 49.20 | | |
| 27 | 42.60 | 59.10 | 28.75 | 140.50 | 18.50 | 163.70 | 378.00 | 11.00 | 10.20 | 42.60 | 39.60 | 49.20 | | |
| 28 | 42.30 | 57.60 | 24.25 | 143.30 | 20.50 | 201.50 | 378.75 | 11.00 | 10.20 | 42.60 | 39.30 | 48.90 | | |
| 29 | 42.30 | 56.40 | 24.25 | 158.10 | 20.75 | 226.00 | 376.50 | 11.00 | 10.20 | 42.60 | | 48.60 | | |
| 30 | 42.00 | 57.00 | 28.25 | 159.30 | 21.50 | 364.50 | 372.75 | 11.00 | 10.20 | 42.60 | | 47.10 | | |
| 31 | | 59.70 | | 158.10 | 21.50 | | 346.90 | | 10.20 | 42.30 | | 41.40 | | |
| Total | 1224.10 | 1347.95 | 1564.65 | 2985.80 | 2667.40 | 3443.50 | 17024.95 | 609.10 | 353.70 | 1244.95 | 1143.60 | 1286.35 | 34896.05 | CMSDAY |
| Mean | 40.80 | 43.48 | 52.16 | 96.32 | 86.05 | 114.78 | 549.19 | 20.30 | 11.41 | 40.16 | 40.84 | 41.50 | 95.61 | CMS |
| Max | 49.80 | 59.70 | 131.30 | 159.30 | 157.30 | 364.50 | 804.00 | 175.50 | 21.75 | 44.40 | 42.60 | 49.80 | 804.00 | CMS |
| Min | 35.25 | 37.00 | 24.25 | 33.50 | 18.50 | 19.50 | 237.00 | 11.00 | 9.60 | 10.20 | 39.30 | 37.25 | 9.60 | CMS |
| Runoff | 105.76 | 116.46 | 135.19 | 257.97 | 230.46 | 297.52 | 1470.96 | 52.63 | 30.56 | 107.56 | 98.81 | 111.14 | 3015.02 | MCM |

Momentary Peak 805.00 CMS. at 29.37 m. (MSL.) at 06.00 Hours , on Oct 12, 2006

Runoff Yield 7.44 Liters/Second/Square KM. Momentary Peak Yield 62.68 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Tha Hi Yong , Phetchabun (S.33)

Lat 17 - 00 - 10 N Long 101 - 21 - 23 E

**Location : on left bank at Ban Tha Hai Yong**

| | | | |
|---|---|---|---|
| | **Ban** Tha Hai Yong | **Amphoe** Lom Kao | **Changwat** Phetchabun |
| **Drainge Area** | 521 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +190.090 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +198.009 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 23 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

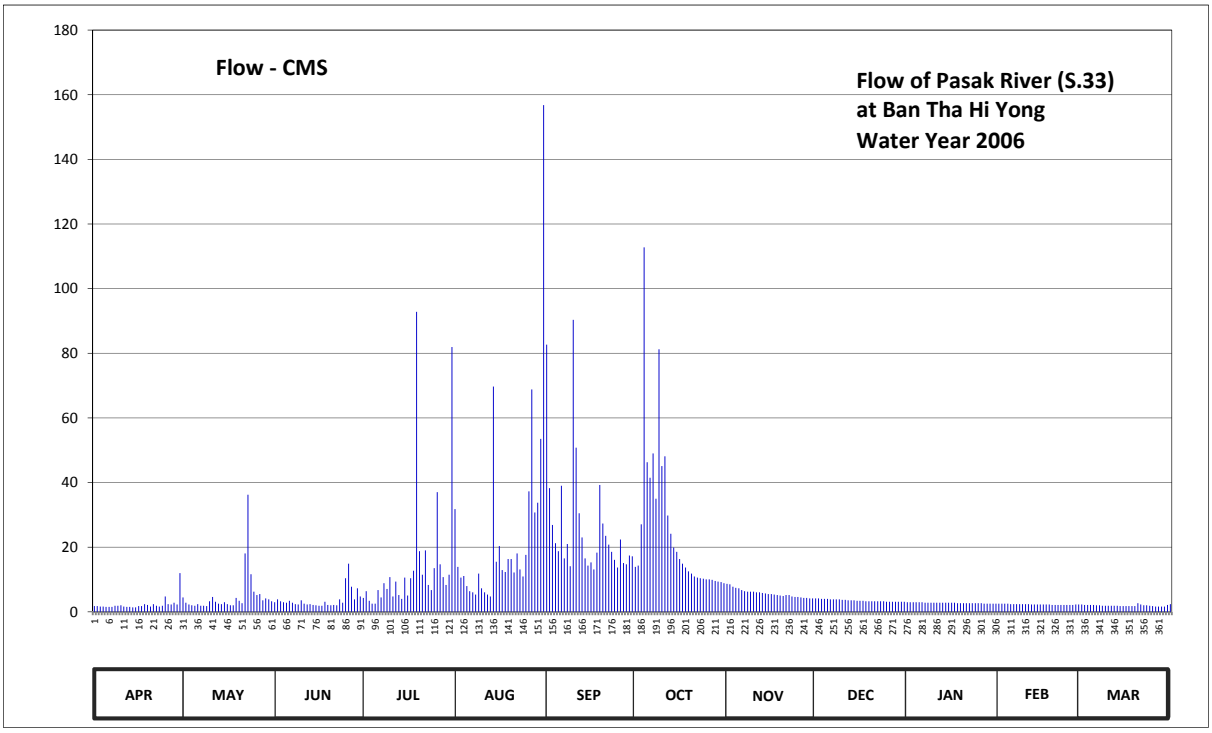
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 190.54 | 190.73 | 190.63 | 190.72 | 192.07 | 193.79 | 191.27 | 190.98 | 190.71 | 190.63 | 190.60 | 190.58 | |
| 2 | 190.54 | 190.62 | 190.69 | 190.85 | 191.27 | 192.33 | 191.29 | 190.97 | 190.71 | 190.63 | 190.60 | 190.57 | |
| 3 | 190.53 | 190.58 | 190.65 | 190.66 | 191.09 | 191.86 | 191.87 | 190.93 | 190.70 | 190.63 | 190.60 | 190.57 | |
| 4 | 190.53 | 190.56 | 190.63 | 190.60 | 191.12 | 191.61 | 194.65 | 190.91 | 190.70 | 190.63 | 190.60 | 190.57 | |
| 5 | 190.52 | 190.55 | 190.62 | 190.60 | 190.94 | 191.50 | 192.61 | 190.90 | 190.70 | 190.63 | 190.59 | 190.57 | |
| 6 | 190.52 | 190.59 | 190.66 | 190.87 | 190.85 | 192.36 | 192.45 | 190.87 | 190.69 | 190.63 | 190.59 | 190.56 | |
| 7 | 190.52 | 190.55 | 190.62 | 190.73 | 190.83 | 191.40 | 192.70 | 190.85 | 190.69 | 190.62 | 190.59 | 190.56 | |
| 8 | 190.55 | 190.55 | 190.59 | 190.99 | 190.79 | 191.60 | 192.20 | 190.84 | 190.69 | 190.62 | 190.59 | 190.55 | |
| 9 | 190.55 | 190.54 | 190.58 | 190.89 | 191.16 | 191.28 | 193.75 | 190.84 | 190.69 | 190.62 | 190.59 | 190.55 | |
| 10 | 190.56 | 190.65 | 190.67 | 191.10 | 190.90 | 194.01 | 192.57 | 190.84 | 190.68 | 190.62 | 190.59 | 190.55 | |
| 11 | 190.53 | 190.74 | 190.60 | 190.75 | 190.83 | 192.76 | 192.67 | 190.83 | 190.68 | 190.62 | 190.59 | 190.55 | |
| 12 | 190.52 | 190.64 | 190.58 | 191.02 | 190.79 | 192.02 | 191.99 | 190.83 | 190.67 | 190.62 | 190.58 | 190.55 | |
| 13 | 190.52 | 190.60 | 190.59 | 190.78 | 190.75 | 191.69 | 191.74 | 190.82 | 190.67 | 190.62 | 190.58 | 190.55 | |
| 14 | 190.51 | 190.59 | 190.57 | 190.70 | 193.39 | 191.40 | 191.55 | 190.81 | 190.67 | 190.62 | 190.58 | 190.54 | |
| 15 | 190.51 | 190.63 | 190.56 | 191.09 | 191.35 | 191.29 | 191.49 | 190.80 | 190.66 | 190.62 | 190.58 | 190.54 | |
| 16 | 190.54 | 190.59 | 190.55 | 190.77 | 191.57 | 191.34 | 191.39 | 190.80 | 190.66 | 190.62 | 190.58 | 190.54 | |
| 17 | 190.54 | 190.56 | 190.55 | 191.08 | 191.22 | 191.23 | 191.32 | 190.79 | 190.66 | 190.62 | 190.58 | 190.54 | |
| 18 | 190.59 | 190.56 | 190.64 | 191.21 | 191.19 | 191.48 | 191.26 | 190.78 | 190.65 | 190.61 | 190.58 | 190.54 | |
| 19 | 190.57 | 190.72 | 190.57 | 194.08 | 191.39 | 192.37 | 191.20 | 190.77 | 190.65 | 190.61 | 190.57 | 190.54 | |
| 20 | 190.53 | 190.66 | 190.56 | 191.50 | 191.39 | 191.88 | 191.16 | 190.76 | 190.65 | 190.61 | 190.57 | 190.61 | |
| 21 | 190.59 | 190.61 | 190.57 | 191.14 | 191.18 | 191.71 | 191.11 | 190.78 | 190.65 | 190.61 | 190.57 | 190.58 | |
| 22 | 190.55 | 191.47 | 190.56 | 191.51 | 191.47 | 191.59 | 191.09 | 190.78 | 190.65 | 190.61 | 190.57 | 190.56 | |
| 23 | 190.53 | 192.25 | 190.69 | 190.96 | 191.23 | 191.49 | 191.08 | 190.75 | 190.65 | 190.61 | 190.57 | 190.56 | |
| 24 | 190.55 | 191.15 | 190.62 | 190.87 | 191.11 | 191.38 | 191.07 | 190.74 | 190.65 | 190.61 | 190.57 | 190.55 | |
| 25 | 190.75 | 190.84 | 191.08 | 191.25 | 191.45 | 191.26 | 191.06 | 190.74 | 190.64 | 190.61 | 190.57 | 190.54 | |
| 26 | 190.59 | 190.78 | 191.32 | 192.28 | 192.29 | 191.66 | 191.06 | 190.73 | 190.64 | 190.61 | 190.57 | 190.53 | |
| 27 | 190.58 | 190.80 | 190.93 | 191.31 | 193.36 | 191.33 | 191.05 | 190.72 | 190.64 | 190.60 | 190.58 | 190.53 | |
| 28 | 190.62 | 190.67 | 190.69 | 191.10 | 192.03 | 191.31 | 191.03 | 190.72 | 190.64 | 190.60 | 190.58 | 190.53 | |
| 29 | 190.58 | 190.71 | 190.90 | 190.96 | 192.15 | 191.44 | 191.02 | 190.71 | 190.64 | 190.60 | | 190.53 | |
| 30 | 191.17 | 190.69 | 190.75 | 191.14 | 192.85 | 191.43 | 191.01 | 190.71 | 190.64 | 190.60 | | 190.57 | |
| 31 | | 190.65 | | 193.77 | 195.77 | | 190.99 | | 190.64 | 190.60 | | 190.59 | |
| Mean | 190.57 | 190.74 | 190.67 | 191.20 | 191.61 | 191.79 | 191.70 | 190.81 | 190.67 | 190.62 | 190.58 | 190.55 | |
| Max | 191.17 | 192.25 | 191.32 | 194.08 | 195.77 | 194.01 | 194.65 | 190.98 | 190.71 | 190.63 | 190.60 | 190.61 | 195.77 |
| Min | 190.51 | 190.54 | 190.55 | 190.60 | 190.75 | 191.23 | 190.99 | 190.71 | 190.64 | 190.60 | 190.57 | 190.53 | 190.51 |

Annual Max Momentary Gage Height 195.99 m. (MSL.) , at 11.00 Hours , on Sep 10, 2006

Zero Gage at Bottom Elevation 190.09 m. (MSL.) , River Bed 190.02 m. (MSL.)

Left Bank Elevation 198.55 m. (MSL.) ,

Right Bank Elevation 198.85 m. (MSL.) , Drainage Are 521 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.75 | 4.45 | 2.95 | 4.30 | 31.75 | 82.65 | 13.90 | 8.65 | 4.15 | 2.95 | 2.50 | 2.25 | | |
| 2 | 1.75 | 2.80 | 3.85 | 6.38 | 13.90 | 38.25 | 14.30 | 8.48 | 4.15 | 2.95 | 2.50 | 2.13 | | |
| 3 | 1.63 | 2.25 | 3.25 | 3.40 | 10.58 | 26.85 | 27.08 | 7.78 | 4.00 | 2.95 | 2.50 | 2.13 | | |
| 4 | 1.63 | 2.00 | 2.95 | 2.50 | 11.10 | 21.23 | 112.75 | 7.43 | 4.00 | 2.95 | 2.50 | 2.13 | | |
| 5 | 1.50 | 1.88 | 2.80 | 2.50 | 7.95 | 18.75 | 46.30 | 7.25 | 4.00 | 2.95 | 2.38 | 2.13 | | |
| 6 | 1.50 | 2.38 | 3.40 | 6.73 | 6.38 | 39.00 | 41.50 | 6.73 | 3.85 | 2.95 | 2.38 | 2.00 | | |
| 7 | 1.50 | 1.88 | 2.80 | 4.45 | 6.03 | 16.50 | 49.00 | 6.38 | 3.85 | 2.80 | 2.38 | 2.00 | | |
| 8 | 1.88 | 1.88 | 2.38 | 8.83 | 5.35 | 21.00 | 35.00 | 6.20 | 3.85 | 2.80 | 2.38 | 1.88 | | |
| 9 | 1.88 | 1.75 | 2.25 | 7.08 | 11.80 | 14.10 | 81.25 | 6.20 | 3.85 | 2.80 | 2.38 | 1.88 | | |
| 10 | 2.00 | 3.25 | 3.55 | 10.75 | 7.25 | 90.35 | 45.10 | 6.20 | 3.70 | 2.80 | 2.38 | 1.88 | | |
| 11 | 1.63 | 4.60 | 2.50 | 4.75 | 6.03 | 50.80 | 48.10 | 6.03 | 3.70 | 2.80 | 2.38 | 1.88 | | |
| 12 | 1.50 | 3.10 | 2.25 | 9.35 | 5.35 | 30.50 | 29.78 | 6.03 | 3.55 | 2.80 | 2.25 | 1.88 | | |
| 13 | 1.50 | 2.50 | 2.38 | 5.20 | 4.75 | 23.03 | 24.15 | 5.85 | 3.55 | 2.80 | 2.25 | 1.88 | | |
| 14 | 1.38 | 2.38 | 2.13 | 4.00 | 69.70 | 16.50 | 19.88 | 5.68 | 3.55 | 2.80 | 2.25 | 1.75 | | |
| 15 | 1.38 | 2.95 | 2.00 | 10.58 | 15.50 | 14.30 | 18.53 | 5.50 | 3.40 | 2.80 | 2.25 | 1.75 | | |
| 16 | 1.75 | 2.38 | 1.88 | 5.05 | 20.33 | 15.30 | 16.30 | 5.50 | 3.40 | 2.80 | 2.25 | 1.75 | | |
| 17 | 1.75 | 2.00 | 1.88 | 10.40 | 12.90 | 13.10 | 14.90 | 5.35 | 3.40 | 2.80 | 2.25 | 1.75 | | |
| 18 | 2.38 | 2.00 | 3.10 | 12.70 | 12.33 | 18.30 | 13.70 | 5.20 | 3.25 | 2.65 | 2.25 | 1.75 | | |
| 19 | 2.13 | 4.30 | 2.13 | 92.80 | 16.30 | 39.25 | 12.50 | 5.05 | 3.25 | 2.65 | 2.13 | 1.75 | | |
| 20 | 1.63 | 3.40 | 2.00 | 18.75 | 16.30 | 27.30 | 11.80 | 4.90 | 3.25 | 2.65 | 2.13 | 2.65 | | |
| 21 | 2.38 | 2.65 | 2.13 | 11.45 | 12.15 | 23.48 | 10.93 | 5.20 | 3.25 | 2.65 | 2.13 | 2.25 | | |
| 22 | 1.88 | 18.08 | 2.00 | 18.98 | 18.08 | 20.78 | 10.58 | 5.20 | 3.25 | 2.65 | 2.13 | 2.00 | | |
| 23 | 1.63 | 36.25 | 3.85 | 8.30 | 13.10 | 18.53 | 10.40 | 4.75 | 3.25 | 2.65 | 2.13 | 2.00 | | |
| 24 | 1.88 | 11.63 | 2.80 | 6.73 | 10.93 | 16.10 | 10.23 | 4.60 | 3.25 | 2.65 | 2.13 | 1.88 | | |
| 25 | 4.75 | 6.20 | 10.40 | 13.50 | 17.63 | 13.70 | 10.05 | 4.60 | 3.10 | 2.65 | 2.13 | 1.75 | | |
| 26 | 2.38 | 5.20 | 14.90 | 37.00 | 37.25 | 22.35 | 10.05 | 4.45 | 3.10 | 2.65 | 2.13 | 1.63 | | |
| 27 | 2.25 | 5.50 | 7.78 | 14.70 | 68.80 | 15.10 | 9.88 | 4.30 | 3.10 | 2.50 | 2.25 | 1.63 | | |
| 28 | 2.80 | 3.55 | 3.85 | 10.75 | 30.75 | 14.70 | 9.53 | 4.30 | 3.10 | 2.50 | 2.25 | 1.63 | | |
| 29 | 2.25 | 4.15 | 7.25 | 8.30 | 33.75 | 17.40 | 9.35 | 4.15 | 3.10 | 2.50 | | 1.63 | | |
| 30 | 11.98 | 3.85 | 4.75 | 11.45 | 53.50 | 17.18 | 9.18 | 4.15 | 3.10 | 2.50 | | 2.13 | | |
| 31 | | 3.25 | | 81.95 | 156.80 | | 8.83 | | 3.10 | 2.50 | | 2.38 | | |
| Total | 68.23 | 154.44 | 112.14 | 453.61 | 744.32 | 796.38 | 784.83 | 172.09 | 108.40 | 84.85 | 63.95 | 60.11 | 3603.35 | CMSDAY |
| Mean | 2.27 | 4.98 | 3.74 | 14.63 | 24.01 | 26.55 | 25.32 | 5.74 | 3.50 | 2.74 | 2.28 | 1.94 | 9.87 | CMS |
| Max | 11.98 | 36.25 | 14.90 | 92.80 | 156.80 | 90.35 | 112.75 | 8.65 | 4.15 | 2.95 | 2.50 | 2.65 | 156.80 | CMS |
| Min | 1.38 | 1.75 | 1.88 | 2.50 | 4.75 | 13.10 | 8.83 | 4.15 | 3.10 | 2.50 | 2.13 | 1.63 | 1.38 | CMS |
| Runoff | 5.90 | 13.34 | 9.69 | 39.19 | 64.31 | 68.81 | 67.81 | 14.87 | 9.37 | 7.33 | 5.53 | 5.19 | 311.33 | MCM |

Momentary Peak 165.60 CMS. at 195.99 m. (MSL.) at 11.00 Hours , on Sep 10, 2006

Runoff Yield 18.95 Liters/Second/Square KM. Momentary Peak Yield 317.85 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Non Thong , Phetchabun (S.36)

Lat 16 - 43 - 42 N Long 101 - 14 - 32 E

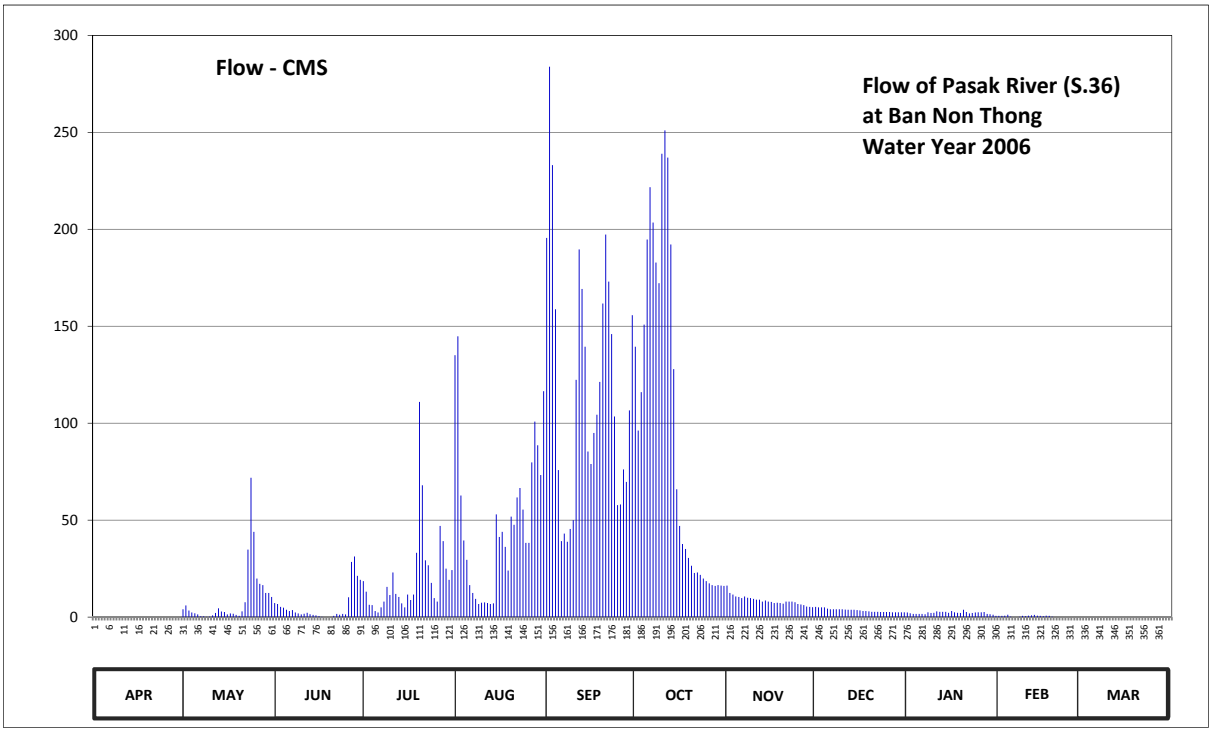
**Location : on right bank at Ban Non Thong.**

| | | | |
|---|---|---|---|
| | **Ban** Non Thong | **Amphoe** Lom Sak | **Changwat** Phetchabun |
| **Drainge Area** | 1,775 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +130.950 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank near the gage site. | | **Elevation** +143.140 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1999 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1999 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records very good. Stage-discharge relation defined by 12 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 134.20 | 134.72 | 134.95 | 135.49 | 138.71 | 139.56 | 138.79 | 135.39 | 134.82 | 134.59 | 134.45 | 134.34 | |
| 2 | 134.22 | 134.87 | 134.92 | 135.25 | 138.88 | 140.46 | 137.93 | 135.22 | 134.80 | 134.56 | 134.45 | 134.31 | |
| 3 | 134.30 | 134.67 | 134.82 | 134.89 | 137.05 | 139.97 | 138.36 | 135.18 | 134.80 | 134.53 | 134.46 | 134.29 | |
| 4 | 134.33 | 134.59 | 134.79 | 134.88 | 136.30 | 139.09 | 138.98 | 135.13 | 134.80 | 134.53 | 134.50 | 134.27 | |
| 5 | 134.31 | 134.56 | 134.70 | 134.65 | 135.94 | 137.42 | 139.55 | 135.12 | 134.75 | 134.53 | 134.42 | 134.27 | |
| 6 | 134.30 | 134.51 | 134.65 | 134.59 | 135.40 | 136.29 | 139.85 | 135.09 | 134.72 | 134.53 | 134.40 | 134.28 | |
| 7 | 134.27 | 134.43 | 134.69 | 134.80 | 135.22 | 136.42 | 139.65 | 135.13 | 134.72 | 134.52 | 134.40 | 134.27 | |
| 8 | 134.28 | 134.43 | 134.59 | 135.00 | 135.07 | 136.28 | 139.41 | 135.10 | 134.72 | 134.60 | 134.41 | 134.27 | |
| 9 | 134.28 | 134.41 | 134.55 | 135.36 | 134.92 | 136.50 | 139.27 | 135.09 | 134.72 | 134.57 | 134.45 | 134.26 | |
| 10 | 134.25 | 134.42 | 134.51 | 135.17 | 134.96 | 136.65 | 140.03 | 135.07 | 134.72 | 134.58 | 134.44 | 134.29 | |
| 11 | 134.22 | 134.47 | 134.54 | 135.68 | 134.97 | 138.48 | 140.15 | 135.05 | 134.71 | 134.64 | 134.46 | 134.29 | |
| 12 | 134.20 | 134.57 | 134.58 | 135.20 | 134.95 | 139.49 | 140.01 | 135.05 | 134.70 | 134.62 | 134.47 | 134.30 | |
| 13 | 134.20 | 134.76 | 134.52 | 135.12 | 134.92 | 139.23 | 139.52 | 135.00 | 134.70 | 134.62 | 134.49 | 134.32 | |
| 14 | 134.16 | 134.63 | 134.49 | 134.94 | 134.94 | 138.79 | 138.58 | 135.03 | 134.70 | 134.62 | 134.46 | 134.31 | |
| 15 | 134.16 | 134.61 | 134.47 | 134.80 | 136.75 | 137.66 | 137.14 | 135.00 | 134.69 | 134.58 | 134.45 | 134.30 | |
| 16 | 134.19 | 134.51 | 134.44 | 135.18 | 136.36 | 137.50 | 136.55 | 134.99 | 134.68 | 134.65 | 134.44 | 134.30 | |
| 17 | 134.14 | 134.55 | 134.41 | 135.04 | 136.45 | 137.90 | 136.24 | 134.95 | 134.65 | 134.60 | 134.46 | 134.28 | |
| 18 | 134.11 | 134.54 | 134.38 | 135.18 | 136.19 | 138.12 | 136.15 | 134.96 | 134.65 | 134.58 | 134.45 | 134.27 | |
| 19 | 134.11 | 134.49 | 134.38 | 136.08 | 135.72 | 138.46 | 135.98 | 134.95 | 134.64 | 134.57 | 134.42 | 134.25 | |
| 20 | 134.10 | 134.45 | 134.38 | 138.26 | 136.71 | 139.13 | 135.82 | 134.93 | 134.62 | 134.70 | 134.39 | 134.25 | |
| 21 | 134.10 | 134.64 | 134.45 | 137.20 | 136.57 | 139.58 | 135.67 | 135.00 | 134.62 | 134.61 | 134.36 | 134.19 | |
| 22 | 134.10 | 134.98 | 134.53 | 135.93 | 137.02 | 139.28 | 135.68 | 135.00 | 134.62 | 134.55 | 134.33 | 134.19 | |
| 23 | 134.09 | 136.14 | 134.50 | 135.83 | 137.16 | 138.90 | 135.63 | 135.00 | 134.61 | 134.57 | 134.30 | 134.15 | |
| 24 | 134.08 | 137.31 | 134.53 | 135.45 | 136.83 | 138.10 | 135.55 | 134.98 | 134.61 | 134.59 | 134.25 | 134.15 | |
| 25 | 134.08 | 136.45 | 134.51 | 135.09 | 136.26 | 136.90 | 135.49 | 134.92 | 134.61 | 134.60 | 134.24 | 134.15 | |
| 26 | 134.05 | 135.55 | 135.11 | 135.00 | 136.26 | 136.91 | 135.44 | 134.90 | 134.61 | 134.60 | 134.22 | 134.14 | |
| 27 | 134.05 | 135.43 | 135.90 | 136.55 | 137.52 | 137.43 | 135.40 | 134.88 | 134.60 | 134.61 | 134.28 | 134.13 | |
| 28 | 134.08 | 135.40 | 136.01 | 136.29 | 138.04 | 137.25 | 135.38 | 134.83 | 134.60 | 134.53 | 134.32 | 134.13 | |
| 29 | 134.10 | 135.22 | 135.61 | 135.76 | 137.74 | 138.17 | 135.40 | 134.82 | 134.60 | 134.52 | | 134.19 | |
| 30 | 134.10 | 135.22 | 135.52 | 135.52 | 137.35 | 139.05 | 135.39 | 134.81 | 134.60 | 134.50 | | 134.19 | |
| 31 | | 135.12 | | 135.73 | 138.37 | | 135.38 | | 134.60 | 134.45 | | 134.17 | |
| Mean | 134.17 | 134.92 | 134.75 | 135.48 | 136.44 | 138.17 | 137.37 | 135.02 | 134.68 | 134.58 | 134.40 | 134.24 | |
| Max | 134.33 | 137.31 | 136.01 | 138.26 | 138.88 | 140.46 | 140.15 | 135.39 | 134.82 | 134.70 | 134.50 | 134.34 | 140.46 |
| Min | 134.05 | 134.41 | 134.38 | 134.59 | 134.92 | 136.28 | 135.38 | 134.81 | 134.60 | 134.45 | 134.22 | 134.13 | 134.05 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 140.50 | m. (MSL.) , | at 09.00 Hours , on Sep 2 , 2006 | | |
| Zero Gage at Bottom Elevation | 130.95 | m. (MSL.) , | River Bed | 131.48 | m. (MSL.) |
| Left Bank Elevation | 143.26 | m. (MSL.) , | | | |
| Right Bank Elevation | 143.22 | m. (MSL.) , | Drainage Are | 1,775 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 4.00 | 7.25 | 18.53 | 135.05 | 195.60 | 139.45 | 16.28 | 5.30 | 2.38 | 0.63 | 0.00 | | |
| 2 | 0.00 | 6.05 | 6.80 | 13.13 | 144.80 | 283.90 | 96.20 | 12.45 | 5.00 | 2.00 | 0.63 | 0.00 | | |
| 3 | 0.00 | 3.38 | 5.30 | 6.35 | 62.75 | 233.15 | 116.00 | 11.60 | 5.00 | 1.63 | 0.75 | 0.00 | | |
| 4 | 0.00 | 2.38 | 4.88 | 6.20 | 39.50 | 158.75 | 150.80 | 10.60 | 5.00 | 1.63 | 1.25 | 0.00 | | |
| 5 | 0.00 | 2.00 | 3.75 | 3.13 | 29.50 | 75.80 | 194.75 | 10.40 | 4.38 | 1.63 | 0.25 | 0.00 | | |
| 6 | 0.00 | 1.38 | 3.13 | 2.38 | 16.50 | 39.20 | 221.75 | 9.80 | 4.00 | 1.63 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.38 | 3.63 | 5.00 | 12.45 | 43.10 | 203.50 | 10.60 | 4.00 | 1.50 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.38 | 2.38 | 8.00 | 9.40 | 38.90 | 182.85 | 10.00 | 4.00 | 2.50 | 0.13 | 0.00 | | |
| 9 | 0.00 | 0.13 | 1.88 | 15.60 | 6.80 | 45.50 | 172.25 | 9.80 | 4.00 | 2.13 | 0.63 | 0.00 | | |
| 10 | 0.00 | 0.25 | 1.38 | 11.40 | 7.40 | 50.00 | 239.00 | 9.40 | 4.00 | 2.25 | 0.50 | 0.00 | | |
| 11 | 0.00 | 0.88 | 1.75 | 23.00 | 7.55 | 122.40 | 251.00 | 9.00 | 3.88 | 3.00 | 0.75 | 0.00 | | |
| 12 | 0.00 | 2.13 | 2.25 | 12.00 | 7.25 | 189.65 | 237.00 | 9.00 | 3.75 | 2.75 | 0.88 | 0.00 | | |
| 13 | 0.00 | 4.50 | 1.50 | 10.40 | 6.80 | 169.25 | 192.20 | 8.00 | 3.75 | 2.75 | 1.13 | 0.00 | | |
| 14 | 0.00 | 2.88 | 1.13 | 7.10 | 7.10 | 139.45 | 127.90 | 8.60 | 3.75 | 2.75 | 0.75 | 0.00 | | |
| 15 | 0.00 | 2.63 | 0.88 | 5.00 | 53.00 | 85.40 | 65.90 | 8.00 | 3.63 | 2.25 | 0.63 | 0.00 | | |
| 16 | 0.00 | 1.38 | 0.50 | 11.60 | 41.30 | 79.00 | 47.00 | 7.85 | 3.50 | 3.13 | 0.50 | 0.00 | | |
| 17 | 0.00 | 1.88 | 0.13 | 8.80 | 44.00 | 95.00 | 37.70 | 7.25 | 3.13 | 2.50 | 0.75 | 0.00 | | |
| 18 | 0.00 | 1.75 | 0.00 | 11.60 | 36.23 | 104.40 | 35.13 | 7.40 | 3.13 | 2.25 | 0.63 | 0.00 | | |
| 19 | 0.00 | 1.13 | 0.00 | 33.20 | 24.00 | 121.30 | 30.50 | 7.25 | 3.00 | 2.13 | 0.25 | 0.00 | | |
| 20 | 0.00 | 0.63 | 0.00 | 111.00 | 51.80 | 161.75 | 26.50 | 6.95 | 2.75 | 3.75 | 0.00 | 0.00 | | |
| 21 | 0.00 | 3.00 | 0.63 | 68.00 | 47.60 | 197.30 | 22.75 | 8.00 | 2.75 | 2.63 | 0.00 | 0.00 | | |
| 22 | 0.00 | 7.70 | 1.63 | 29.25 | 61.70 | 173.00 | 23.00 | 8.00 | 2.75 | 1.88 | 0.00 | 0.00 | | |
| 23 | 0.00 | 34.85 | 1.25 | 26.75 | 66.60 | 146.00 | 21.75 | 8.00 | 2.63 | 2.13 | 0.00 | 0.00 | | |
| 24 | 0.00 | 71.85 | 1.63 | 17.63 | 55.48 | 103.50 | 19.88 | 7.70 | 2.63 | 2.38 | 0.00 | 0.00 | | |
| 25 | 0.00 | 44.00 | 1.38 | 9.80 | 38.30 | 57.75 | 18.53 | 6.80 | 2.63 | 2.50 | 0.00 | 0.00 | | |
| 26 | 0.00 | 19.88 | 10.20 | 8.00 | 38.30 | 58.08 | 17.40 | 6.50 | 2.63 | 2.50 | 0.00 | 0.00 | | |
| 27 | 0.00 | 17.18 | 28.50 | 47.00 | 79.80 | 76.20 | 16.50 | 6.20 | 2.50 | 2.63 | 0.00 | 0.00 | | |
| 28 | 0.00 | 16.50 | 31.28 | 39.20 | 100.80 | 69.75 | 16.05 | 5.45 | 2.50 | 1.63 | 0.00 | 0.00 | | |
| 29 | 0.00 | 12.45 | 21.25 | 25.00 | 88.60 | 106.65 | 16.50 | 5.30 | 2.50 | 1.50 | | 0.00 | | |
| 30 | 0.00 | 12.45 | 19.20 | 19.20 | 73.25 | 155.75 | 16.28 | 5.15 | 2.50 | 1.25 | | 0.00 | | |
| 31 | | 10.40 | | 24.25 | 116.50 | | 16.05 | | 2.50 | 0.63 | | 0.00 | | |
| Total | 0.00 | 290.38 | 165.47 | 637.50 | 1510.11 | 3575.48 | 2972.07 | 257.33 | 107.47 | 68.20 | 11.04 | 0.00 | 9595.05 | CMSDAY |
| Mean | 0.00 | 9.37 | 5.52 | 20.56 | 48.71 | 119.18 | 95.87 | 8.58 | 3.47 | 2.20 | 0.39 | 0.00 | 26.29 | CMS |
| Max | 0.00 | 71.85 | 31.28 | 111.00 | 144.80 | 283.90 | 251.00 | 16.28 | 5.30 | 3.75 | 1.25 | 0.00 | 283.90 | CMS |
| Min | 0.00 | 0.13 | 0.00 | 2.38 | 6.80 | 38.90 | 16.05 | 5.15 | 2.50 | 0.63 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 25.09 | 14.30 | 55.08 | 130.47 | 308.92 | 256.79 | 22.23 | 9.29 | 5.89 | 0.95 | 0.00 | 829.01 | MCM |

Momentary Peak 288.50 CMS. at 140.50 m. (MSL.) at 09.00 Hours , on Sep 2, 2006

Runoff Yield 14.81 Liters/Second/Square KM. Momentary Peak Yield 162.54 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Nam Kho at Ban Nam Kho, Phetchabun (S.41)

Lat 16 - 47 - 28 N Long 101 - 10 - 45 E

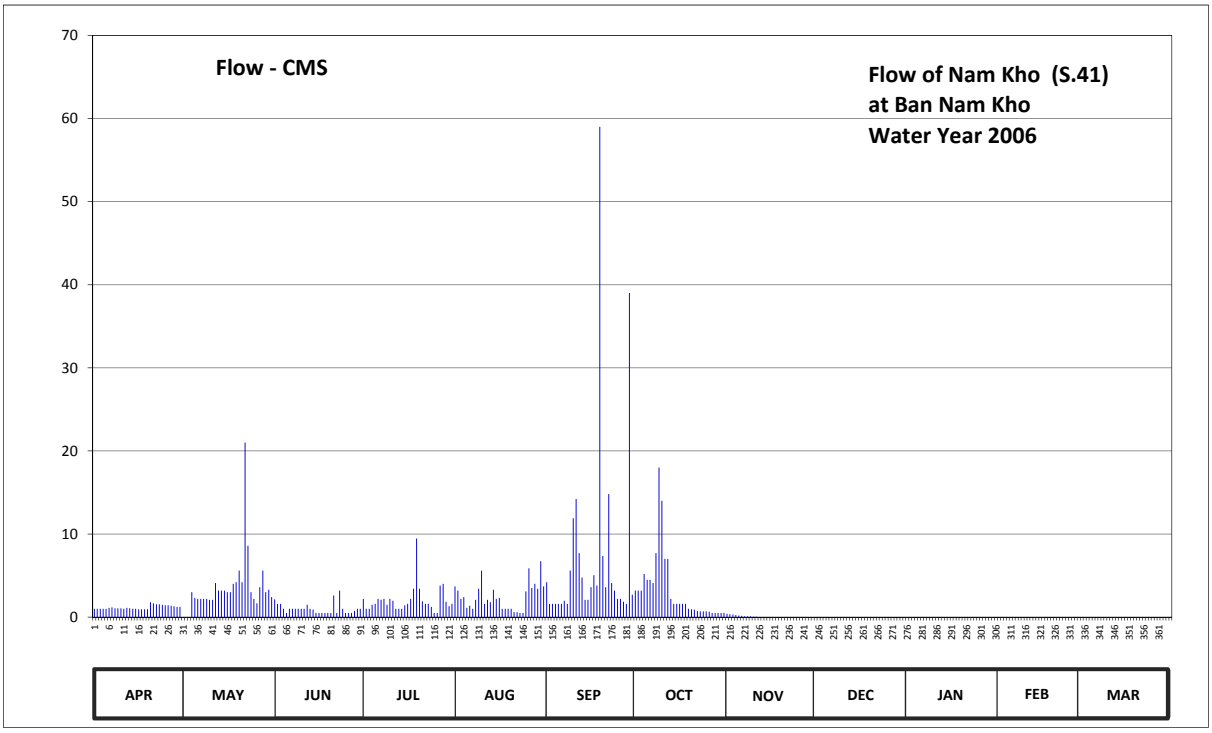
**Location : on left bank at Ban Nam Kho.**

| | | | |
|---|---|---|---|
| | **Ban** Nam Kho | **Amphoe** Lom Sak | **Changwat** Phetchabun |
| **Drainge Area** | 69 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +5.000 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2005 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2005 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2005 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 21 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.40 | 0.07 | 0.59 | 0.60 | 0.75 | 0.80 | 0.70 | 0.28 | 0.18 | 0.11 | 0.11 | 0.11 | |
| 2 | 0.40 | 0.07 | 0.50 | 0.40 | 0.70 | 0.50 | 0.70 | 0.27 | 0.18 | 0.11 | 0.11 | 0.11 | |
| 3 | 0.40 | 0.07 | 0.50 | 0.40 | 0.60 | 0.50 | 0.70 | 0.26 | 0.18 | 0.11 | 0.11 | 0.11 | |
| 4 | 0.40 | 0.68 | 0.40 | 0.48 | 0.62 | 0.50 | 0.87 | 0.25 | 0.18 | 0.11 | 0.11 | 0.11 | |
| 5 | 0.40 | 0.61 | 0.30 | 0.50 | 0.42 | 0.50 | 0.82 | 0.24 | 0.17 | 0.11 | 0.11 | 0.11 | |
| 6 | 0.42 | 0.60 | 0.40 | 0.60 | 0.46 | 0.50 | 0.82 | 0.23 | 0.17 | 0.11 | 0.11 | 0.10 | |
| 7 | 0.43 | 0.60 | 0.40 | 0.58 | 0.40 | 0.56 | 0.79 | 0.22 | 0.17 | 0.11 | 0.11 | 0.10 | |
| 8 | 0.41 | 0.60 | 0.40 | 0.60 | 0.58 | 0.50 | 1.04 | 0.22 | 0.17 | 0.11 | 0.11 | 0.10 | |
| 9 | 0.41 | 0.60 | 0.40 | 0.48 | 0.72 | 0.90 | 1.60 | 0.22 | 0.17 | 0.11 | 0.11 | 0.10 | |
| 10 | 0.41 | 0.58 | 0.40 | 0.60 | 0.90 | 1.28 | 1.40 | 0.21 | 0.16 | 0.11 | 0.11 | 0.09 | |
| 11 | 0.40 | 0.58 | 0.40 | 0.56 | 0.50 | 1.41 | 1.00 | 0.21 | 0.16 | 0.11 | 0.11 | 0.09 | |
| 12 | 0.42 | 0.79 | 0.48 | 0.40 | 0.58 | 1.04 | 1.00 | 0.20 | 0.15 | 0.11 | 0.11 | 0.09 | |
| 13 | 0.41 | 0.70 | 0.40 | 0.40 | 0.53 | 0.84 | 0.60 | 0.20 | 0.14 | 0.11 | 0.11 | 0.08 | |
| 14 | 0.40 | 0.70 | 0.38 | 0.40 | 0.71 | 0.58 | 0.50 | 0.19 | 0.13 | 0.11 | 0.11 | 0.07 | |
| 15 | 0.40 | 0.70 | 0.30 | 0.47 | 0.60 | 0.58 | 0.50 | 0.19 | 0.12 | 0.11 | 0.11 | 0.07 | |
| 16 | 0.39 | 0.68 | 0.30 | 0.50 | 0.61 | 0.74 | 0.50 | 0.19 | 0.12 | 0.11 | 0.11 | 0.07 | |
| 17 | 0.39 | 0.68 | 0.30 | 0.60 | 0.40 | 0.86 | 0.50 | 0.19 | 0.12 | 0.11 | 0.11 | 0.06 | |
| 18 | 0.39 | 0.78 | 0.30 | 0.72 | 0.40 | 0.76 | 0.50 | 0.19 | 0.11 | 0.11 | 0.11 | 0.06 | |
| 19 | 0.39 | 0.80 | 0.30 | 1.14 | 0.40 | 3.00 | 0.40 | 0.18 | 0.11 | 0.11 | 0.11 | 0.05 | |
| 20 | 0.53 | 0.90 | 0.30 | 0.72 | 0.40 | 1.02 | 0.39 | 0.18 | 0.10 | 0.11 | 0.11 | 0.05 | |
| 21 | 0.51 | 0.80 | 0.64 | 0.55 | 0.32 | 0.74 | 0.38 | 0.18 | 0.10 | 0.11 | 0.11 | 0.04 | |
| 22 | 0.49 | 1.72 | 0.30 | 0.50 | 0.32 | 1.44 | 0.35 | 0.18 | 0.09 | 0.11 | 0.11 | 0.04 | |
| 23 | 0.49 | 1.09 | 0.70 | 0.50 | 0.30 | 0.79 | 0.34 | 0.18 | 0.08 | 0.11 | 0.11 | 0.03 | |
| 24 | 0.48 | 0.68 | 0.40 | 0.44 | 0.30 | 0.70 | 0.34 | 0.17 | 0.07 | 0.11 | 0.11 | 0.03 | |
| 25 | 0.47 | 0.60 | 0.30 | 0.30 | 0.69 | 0.60 | 0.34 | 0.17 | 0.06 | 0.11 | 0.11 | 0.02 | |
| 26 | 0.47 | 0.51 | 0.30 | 0.30 | 0.92 | 0.60 | 0.33 | 0.17 | 0.05 | 0.12 | 0.12 | 0.02 | |
| 27 | 0.46 | 0.74 | 0.30 | 0.76 | 0.73 | 0.54 | 0.30 | 0.17 | 0.04 | 0.12 | 0.12 | 0.01 | |
| 28 | 0.45 | 0.90 | 0.35 | 0.78 | 0.78 | 0.50 | 0.30 | 0.16 | 0.03 | 0.12 | 0.12 | 0.00 | |
| 29 | 0.44 | 0.68 | 0.40 | 0.54 | 0.72 | 2.40 | 0.30 | 0.16 | 0.02 | 0.12 | | 0.00 | |
| 30 | 0.44 | 0.71 | 0.40 | 0.45 | 0.98 | 0.65 | 0.30 | 0.16 | 0.02 | 0.12 | | 0.00 | |
| 31 | | 0.62 | | 0.50 | 0.75 | | 0.30 | | 0.01 | 0.12 | | 0.00 | |
| Mean | 0.43 | 0.67 | 0.39 | 0.54 | 0.58 | 0.88 | 0.61 | 0.20 | 0.11 | 0.11 | 0.11 | 0.06 | |
| Max | 0.53 | 1.72 | 0.70 | 1.14 | 0.98 | 3.00 | 1.60 | 0.28 | 0.18 | 0.12 | 0.12 | 0.11 | 3.00 |
| Min | 0.39 | 0.07 | 0.30 | 0.30 | 0.30 | 0.50 | 0.30 | 0.16 | 0.01 | 0.11 | 0.11 | 0.00 | 0.00 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 4.00 | m. (A.D.) , | at 06.00 Hours , on Sep 19 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | 0.05 | m. (A.D.) |
| Left Bank Elevation | 5.22 | m. (A.D.) , | | | |
| Right Bank Elevation | 5.01 | m. (A.D.) , | Drainage Are | 69 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.00 | 0.00 | 2.14 | 2.20 | 3.70 | 4.20 | 3.20 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 1.00 | 0.00 | 1.60 | 1.00 | 3.20 | 1.60 | 3.20 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 1.00 | 0.00 | 1.60 | 1.00 | 2.20 | 1.60 | 3.20 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 1.00 | 3.00 | 1.00 | 1.48 | 2.40 | 1.60 | 5.18 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 1.00 | 2.30 | 0.50 | 1.60 | 1.12 | 1.60 | 4.48 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 1.12 | 2.20 | 1.00 | 2.20 | 1.36 | 1.60 | 4.48 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 1.18 | 2.20 | 1.00 | 2.08 | 1.00 | 1.96 | 4.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 1.06 | 2.20 | 1.00 | 2.20 | 2.08 | 1.60 | 7.70 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 1.06 | 2.20 | 1.00 | 1.48 | 3.40 | 5.60 | 18.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 1.06 | 2.08 | 1.00 | 2.20 | 5.60 | 11.90 | 14.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 1.00 | 2.08 | 1.00 | 1.96 | 1.60 | 14.20 | 7.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 1.12 | 4.10 | 1.48 | 1.00 | 2.08 | 7.70 | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 1.06 | 3.20 | 1.00 | 1.00 | 1.78 | 4.76 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 1.00 | 3.20 | 0.90 | 1.00 | 3.30 | 2.08 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 1.00 | 3.20 | 0.50 | 1.42 | 2.20 | 2.08 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.95 | 3.00 | 0.50 | 1.60 | 2.30 | 3.60 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.95 | 3.00 | 0.50 | 2.20 | 1.00 | 5.04 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.95 | 4.00 | 0.50 | 3.40 | 1.00 | 3.80 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.95 | 4.20 | 0.50 | 9.45 | 1.00 | 59.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 1.78 | 5.60 | 0.50 | 3.40 | 1.00 | 7.35 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 1.66 | 4.20 | 2.60 | 1.90 | 0.60 | 3.60 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 1.54 | 21.00 | 0.50 | 1.60 | 0.60 | 14.80 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 1.54 | 8.58 | 3.20 | 1.60 | 0.50 | 4.10 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 1.48 | 3.00 | 1.00 | 1.24 | 0.50 | 3.20 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 1.42 | 2.20 | 0.50 | 0.50 | 3.10 | 2.20 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 1.42 | 1.66 | 0.50 | 0.50 | 5.88 | 2.20 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 1.36 | 3.60 | 0.50 | 3.80 | 3.50 | 1.84 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 1.30 | 5.60 | 0.75 | 4.00 | 4.00 | 1.60 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 1.24 | 3.00 | 1.00 | 1.84 | 3.40 | 39.00 | 0.50 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 1.24 | 3.30 | 1.00 | 1.30 | 6.72 | 2.70 | 0.50 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 2.40 | | 1.60 | 3.70 | | 0.50 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 35.44 | 110.30 | 30.77 | 63.75 | 75.82 | 218.11 | 100.59 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 636.83 | CMSDAY |
| Mean | 1.18 | 3.56 | 1.03 | 2.06 | 2.45 | 7.27 | 3.24 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 | CMS |
| Max | 1.78 | 21.00 | 3.20 | 9.45 | 6.72 | 59.00 | 18.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 59.00 | CMS |
| Min | 0.95 | 0.00 | 0.50 | 0.50 | 0.50 | 1.60 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 3.06 | 9.53 | 2.66 | 5.51 | 6.55 | 18.84 | 8.69 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 55.02 | MCM |

Momentary Peak 96.00 CMS. at 4.00 m. (A.D.) at 06.00 Hours , on Sep 19 , 2006

Runoff Yield 25.21 Liters/Second/Square KM. Momentary Peak Yield 1386.88 Liters/Second/Square KM.

## WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Bo Rang , Phetchabun (S.42)

Lat 15 - 34 - 35 N Long 101 - 05 - 28 E

**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Bo Rang | **Amphoe** Wichian Buri | **Changwat** Phetchabun |
| **Drainge Area** | 7,233 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +51.796 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | **Elevation** | +63.900 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2005 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2005 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2005 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 11 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

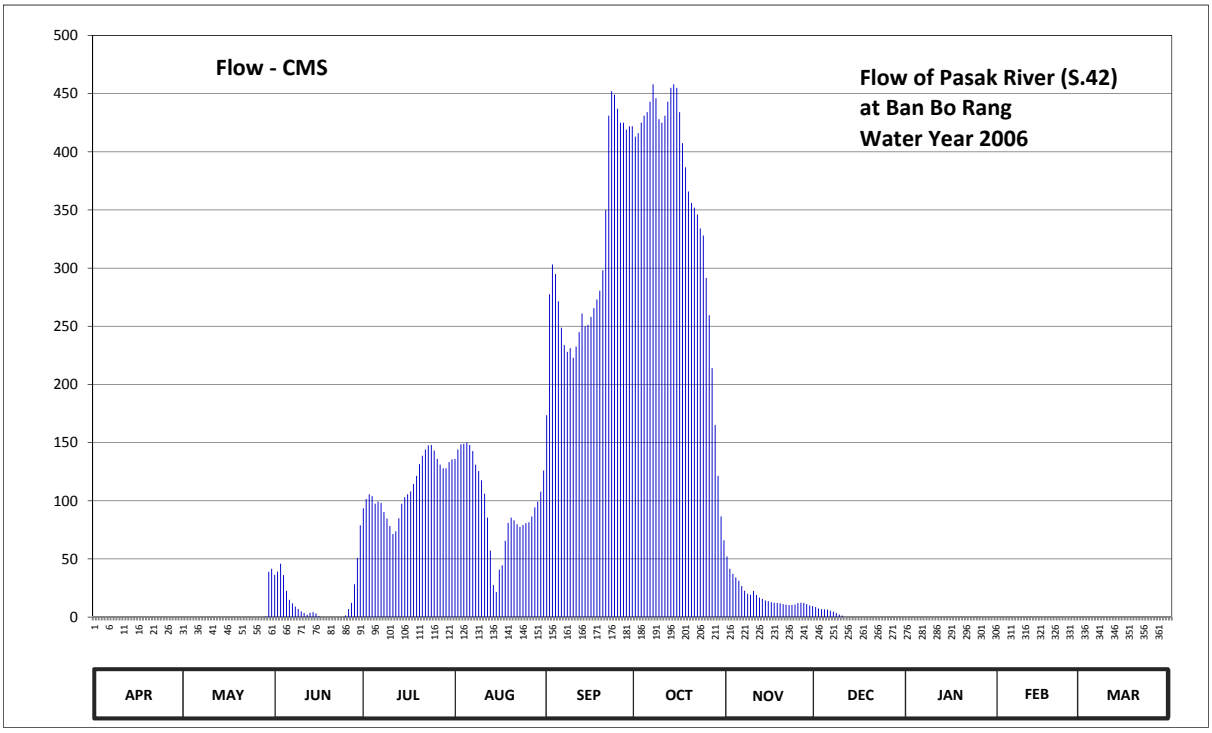
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 53.02 | 52.99 | 57.09 | 59.61 | 60.80 | 61.50 | 63.21 | 57.88 | 55.29 | 54.14 | 53.03 | 52.53 | |
| 2 | 53.04 | 52.94 | 57.23 | 59.87 | 60.98 | 62.55 | 63.22 | 57.35 | 55.19 | 54.14 | 53.05 | 52.54 | |
| 3 | 53.06 | 52.93 | 57.57 | 59.99 | 61.07 | 62.71 | 63.25 | 57.14 | 55.15 | 54.14 | 53.05 | 52.53 | |
| 4 | 53.11 | 52.92 | 57.08 | 59.94 | 61.08 | 62.66 | 63.27 | 56.98 | 55.14 | 54.12 | 52.99 | 52.52 | |
| 5 | 53.14 | 52.94 | 56.30 | 59.75 | 61.10 | 62.51 | 63.28 | 56.81 | 55.12 | 54.07 | 52.93 | 52.52 | |
| 6 | 53.21 | 52.94 | 55.76 | 59.81 | 61.06 | 62.35 | 63.31 | 56.55 | 55.04 | 54.04 | 52.91 | 52.51 | |
| 7 | 53.21 | 52.95 | 55.54 | 59.77 | 60.95 | 62.23 | 63.36 | 56.31 | 54.97 | 54.01 | 52.92 | 52.47 | |
| 8 | 53.20 | 52.95 | 55.33 | 59.50 | 60.69 | 62.18 | 63.32 | 56.13 | 54.89 | 53.97 | 52.90 | 52.46 | |
| 9 | 53.20 | 52.95 | 55.16 | 59.29 | 60.56 | 62.21 | 63.26 | 56.07 | 54.77 | 53.95 | 52.89 | 52.43 | |
| 10 | 53.19 | 52.96 | 54.99 | 59.03 | 60.33 | 62.13 | 63.25 | 56.30 | 54.71 | 53.92 | 52.89 | 52.40 | |
| 11 | 53.16 | 52.95 | 54.89 | 58.75 | 60.00 | 62.22 | 63.27 | 56.06 | 54.59 | 53.89 | 52.88 | 52.40 | |
| 12 | 53.14 | 52.95 | 54.76 | 58.85 | 59.32 | 62.32 | 63.31 | 55.90 | 54.49 | 53.86 | 52.85 | 52.35 | |
| 13 | 53.12 | 52.95 | 54.90 | 59.30 | 58.12 | 62.44 | 63.35 | 55.82 | 54.43 | 53.82 | 52.81 | 52.38 | |
| 14 | 53.10 | 52.97 | 54.94 | 59.75 | 56.60 | 62.36 | 63.36 | 55.72 | 54.39 | 53.78 | 52.76 | 52.34 | |
| 15 | 53.07 | 52.97 | 54.85 | 59.92 | 56.23 | 62.37 | 63.35 | 55.69 | 54.36 | 53.73 | 52.70 | 52.30 | |
| 16 | 53.09 | 52.97 | 54.66 | 59.99 | 57.32 | 62.42 | 63.28 | 55.62 | 54.33 | 53.67 | 52.66 | 52.27 | |
| 17 | 53.11 | 52.95 | 54.56 | 60.06 | 57.50 | 62.47 | 63.19 | 55.59 | 54.31 | 53.61 | 52.64 | 52.24 | |
| 18 | 53.11 | 52.94 | 54.52 | 60.24 | 58.49 | 62.52 | 63.11 | 55.57 | 54.29 | 53.57 | 52.62 | 52.24 | |
| 19 | 53.10 | 53.00 | 54.50 | 60.44 | 59.14 | 62.57 | 63.03 | 55.54 | 54.26 | 53.54 | 52.61 | 52.24 | |
| 20 | 53.09 | 53.04 | 54.46 | 60.70 | 59.32 | 62.68 | 62.99 | 55.49 | 54.22 | 53.52 | 52.60 | 52.26 | |
| 21 | 53.09 | 53.09 | 54.48 | 60.86 | 59.23 | 62.96 | 62.97 | 55.46 | 54.19 | 53.49 | 52.57 | 52.28 | |
| 22 | 53.09 | 53.11 | 54.45 | 60.98 | 59.09 | 63.27 | 62.94 | 55.44 | 54.18 | 53.41 | 52.55 | 52.30 | |
| 23 | 53.09 | 53.13 | 54.44 | 61.05 | 59.00 | 63.34 | 62.88 | 55.44 | 54.17 | 53.36 | 52.55 | 52.29 | |
| 24 | 53.09 | 53.15 | 54.46 | 61.06 | 59.07 | 63.33 | 62.85 | 55.47 | 54.16 | 53.30 | 52.55 | 52.29 | |
| 25 | 53.09 | 53.17 | 54.72 | 60.96 | 59.13 | 63.29 | 62.64 | 55.57 | 54.16 | 53.22 | 52.54 | 52.31 | |
| 26 | 53.09 | 53.18 | 55.15 | 60.80 | 59.16 | 63.25 | 62.43 | 55.59 | 54.16 | 53.13 | 52.50 | 52.33 | |
| 27 | 53.11 | 53.20 | 55.58 | 60.69 | 59.36 | 63.25 | 62.04 | 55.58 | 54.17 | 53.10 | 52.50 | 52.31 | |
| 28 | 53.10 | 53.55 | 56.64 | 60.62 | 59.64 | 63.23 | 61.37 | 55.49 | 54.16 | 53.10 | 52.50 | 52.28 | |
| 29 | 53.09 | 54.64 | 57.82 | 60.62 | 59.81 | 63.24 | 60.44 | 55.40 | 54.16 | 53.08 | | 52.27 | |
| 30 | 53.08 | 57.22 | 59.06 | 60.74 | 60.05 | 63.24 | 59.36 | 55.36 | 54.16 | 53.03 | | 52.31 | |
| 31 | | 57.35 | | 60.79 | 60.57 | | 58.51 | | 54.16 | 53.02 | | 52.29 | |
| Mean | 53.11 | 53.35 | 55.53 | 60.12 | 59.51 | 62.66 | 62.69 | 55.98 | 54.51 | 53.64 | 52.75 | 52.36 | |
| Max | 53.21 | 57.35 | 59.06 | 61.06 | 61.10 | 63.34 | 63.36 | 57.88 | 55.29 | 54.14 | 53.05 | 52.54 | 63.36 |
| Min | 53.02 | 52.92 | 54.44 | 58.75 | 56.23 | 61.50 | 58.51 | 55.36 | 54.16 | 53.02 | 52.50 | 52.24 | 52.24 |

Annual Max Momentary Gage Height 63.37 m. (MSL.) , at 09.00 Hours , on Oct 14 , 2006

Zero Gage at Bottom Elevation 51.79 m. (MSL.) , River Bed 52.98 m. (MSL.)

Left Bank Elevation 64.12 m. (MSL.) ,

Right Bank Elevation 64.12 m. (MSL.) , Drainage Are 7,233 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 36.30 | 93.54 | 136.00 | 173.50 | 413.00 | 52.10 | 8.63 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 39.10 | 101.45 | 144.10 | 277.50 | 416.00 | 41.50 | 7.38 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 45.90 | 105.65 | 148.50 | 303.15 | 425.00 | 37.30 | 6.88 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 36.10 | 103.90 | 149.00 | 294.90 | 431.00 | 34.15 | 6.75 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 22.56 | 97.56 | 150.00 | 271.50 | 434.00 | 31.18 | 6.50 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 14.80 | 99.35 | 148.00 | 248.75 | 443.00 | 26.63 | 5.50 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 11.75 | 98.14 | 142.75 | 233.75 | 458.00 | 22.71 | 4.63 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 9.13 | 90.38 | 131.05 | 228.00 | 446.00 | 20.12 | 3.63 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 7.00 | 84.75 | 125.60 | 231.25 | 428.00 | 19.26 | 2.13 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 4.88 | 78.25 | 117.55 | 223.00 | 425.00 | 22.56 | 1.38 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 3.63 | 71.38 | 106.00 | 232.50 | 431.00 | 19.11 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 2.00 | 73.75 | 85.50 | 245.00 | 443.00 | 16.81 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 3.75 | 85.00 | 57.20 | 261.00 | 455.00 | 15.66 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 4.25 | 97.56 | 27.50 | 250.00 | 458.00 | 14.23 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 3.13 | 103.20 | 21.56 | 251.25 | 455.00 | 13.79 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.75 | 105.65 | 40.90 | 258.00 | 434.00 | 12.79 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 108.10 | 44.50 | 265.50 | 407.40 | 12.38 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 114.40 | 65.53 | 273.00 | 386.60 | 12.13 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 121.40 | 81.00 | 280.50 | 365.80 | 11.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 131.50 | 85.50 | 298.20 | 356.00 | 11.13 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 138.70 | 83.25 | 350.00 | 352.00 | 10.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 144.10 | 79.75 | 431.00 | 346.00 | 10.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 147.50 | 77.50 | 452.00 | 334.00 | 10.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 148.00 | 79.25 | 449.00 | 328.00 | 10.88 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 1.50 | 143.20 | 80.75 | 437.00 | 291.60 | 12.13 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 6.88 | 136.00 | 81.50 | 425.00 | 259.50 | 12.38 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 12.25 | 131.05 | 86.50 | 425.00 | 214.00 | 12.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 28.20 | 127.90 | 94.40 | 419.00 | 165.20 | 11.13 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.50 | 50.90 | 127.90 | 99.35 | 422.00 | 121.40 | 10.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 38.90 | 79.00 | 133.30 | 107.75 | 422.00 | 86.50 | 9.50 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 41.50 | | 135.55 | 125.95 | | 65.98 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 80.90 | 423.76 | 3478.11 | 3003.69 | 9332.25 | 11074.98 | 557.31 | 53.41 | 0.00 | 0.00 | 0.00 | 28004.41 | CMSDAY |
| Mean | 0.00 | 2.61 | 14.13 | 112.20 | 96.89 | 311.07 | 357.26 | 18.58 | 1.72 | 0.00 | 0.00 | 0.00 | 76.72 | CMS |
| Max | 0.00 | 41.50 | 79.00 | 148.00 | 150.00 | 452.00 | 458.00 | 52.10 | 8.63 | 0.00 | 0.00 | 0.00 | 458.00 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 71.38 | 21.56 | 173.50 | 65.98 | 9.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 6.99 | 36.61 | 300.51 | 259.52 | 806.31 | 956.88 | 48.15 | 4.61 | 0.00 | 0.00 | 0.00 | 2419.58 | MCM |

Momentary Peak 461.00 CMS. at 63.37 m. (MSL.) at 09.00 Hours , on Oct 14 , 2006

Runoff Yield 10.61 Liters/Second/Square KM. Momentary Peak Yield 63.74 Liters/Second/Square KM.

## WATER YEAR : 2006

## THA CHIN BASIN

### Lower Huai Kra Sieo at Ban Thap Man, Suphan Buri (T.12A)

Lat 15 - 00 - 45 N Long 99 - 37 - 12 E

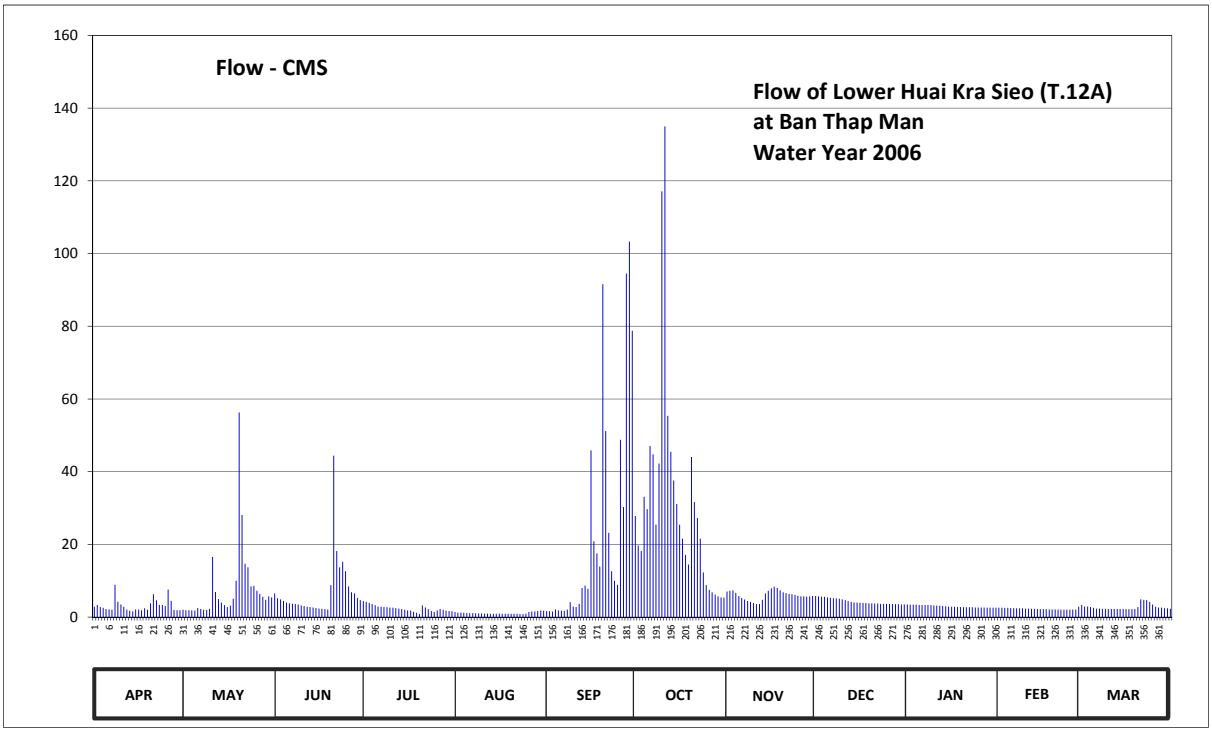
**Location : on left bank at Ban Thap Man.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Ban** | Thap Man | **Amphoe** | Dan Chang | **Changwat** | Suphan Buri |
| **Drainge Area** | 686 | sq.km. | | | | |
| **Type of Gage** | Staff gage. | | | | | |
| **Zero Gage at Bottom** | +0.000 | m. (A.D.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | | |
| **Location BM** | On left bank near the bridge | | | | **Elevation** | +4.503 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | | | | |
| **Period of Available Gage Records** | 2004 to date | | | | | |
| **Rating Operation** | | | | | | |
| **Period of Rating** | 2004 to date | | | | | |
| **Rated by Flot** | - | | | | | |
| **Rated by Current Meter** | 2004 to date | | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | | |
| **Overbank Flow Conditions** | No overbank flow | | | | | |
| **General Description** | Records poor. Stage-discharge relation defined by 3 discharge measurements made in 2006. | | | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.93 | -1.07 | -0.43 | -0.69 | -1.18 | -1.13 | 0.73 | -0.38 | -0.50 | -0.83 | -0.97 | -0.85 | |
| 2 | -0.85 | -1.09 | -0.58 | -0.71 | -1.21 | -1.14 | 0.40 | -0.36 | -0.51 | -0.84 | -0.97 | -0.92 | |
| 3 | -0.94 | -1.09 | -0.62 | -0.76 | -1.21 | -1.16 | 0.33 | -0.35 | -0.52 | -0.84 | -0.98 | -0.92 | |
| 4 | -0.98 | -1.10 | -0.68 | -0.81 | -1.22 | -1.05 | 0.92 | -0.41 | -0.53 | -0.84 | -0.98 | -0.94 | |
| 5 | -1.04 | -1.11 | -0.75 | -0.86 | -1.23 | -1.10 | 0.80 | -0.50 | -0.55 | -0.85 | -0.99 | -0.98 | |
| 6 | -1.05 | -0.99 | -0.78 | -0.92 | -1.24 | -1.12 | 1.32 | -0.57 | -0.57 | -0.85 | -0.99 | -1.01 | |
| 7 | -1.06 | -1.03 | -0.80 | -0.93 | -1.24 | -1.13 | 1.26 | -0.63 | -0.58 | -0.85 | -1.00 | -1.01 | |
| 8 | -0.21 | -1.07 | -0.81 | -0.94 | -1.25 | -1.06 | 0.64 | -0.68 | -0.59 | -0.85 | -1.00 | -1.02 | |
| 9 | -0.71 | -1.08 | -0.83 | -0.95 | -1.26 | -0.73 | 1.19 | -0.72 | -0.60 | -0.86 | -1.00 | -1.02 | |
| 10 | -0.83 | -1.02 | -0.87 | -0.96 | -1.26 | -0.92 | 2.65 | -0.77 | -0.62 | -0.87 | -1.01 | -1.03 | |
| 11 | -0.93 | 0.25 | -0.90 | -0.97 | -1.27 | -0.94 | 2.91 | -0.82 | -0.65 | -0.88 | -1.01 | -1.03 | |
| 12 | -1.06 | -0.39 | -0.93 | -0.99 | -1.27 | -0.80 | 1.53 | -0.81 | -0.69 | -0.89 | -1.02 | -1.03 | |
| 13 | -1.12 | -0.61 | -0.94 | -1.01 | -1.28 | -0.29 | 1.28 | -0.64 | -0.72 | -0.90 | -1.02 | -1.03 | |
| 14 | -1.15 | -0.75 | -0.96 | -1.04 | -1.28 | -0.23 | 1.06 | -0.43 | -0.74 | -0.91 | -1.03 | -1.03 | |
| 15 | -1.05 | -0.86 | -0.99 | -1.07 | -1.28 | -0.31 | 0.85 | -0.36 | -0.75 | -0.92 | -1.03 | -1.04 | |
| 16 | -1.06 | -0.94 | -1.01 | -1.10 | -1.27 | 1.29 | 0.64 | -0.30 | -0.76 | -0.93 | -1.04 | -1.04 | |
| 17 | -1.09 | -0.88 | -1.02 | -1.11 | -1.28 | 0.45 | 0.48 | -0.26 | -0.77 | -0.93 | -1.04 | -1.04 | |
| 18 | -1.00 | -0.60 | -1.04 | -1.17 | -1.28 | 0.30 | 0.28 | -0.29 | -0.77 | -0.94 | -1.05 | -1.04 | |
| 19 | -1.07 | -0.13 | -1.06 | -1.22 | -1.28 | 0.11 | 0.14 | -0.35 | -0.78 | -0.94 | -1.05 | -1.04 | |
| 20 | -0.78 | 1.55 | -0.22 | -1.29 | -1.28 | 2.23 | 1.24 | -0.40 | -0.78 | -0.95 | -1.05 | -0.94 | |
| 21 | -0.45 | 0.74 | 1.25 | -0.87 | -1.28 | 1.42 | 0.87 | -0.42 | -0.79 | -0.95 | -1.05 | -0.62 | |
| 22 | -0.66 | 0.15 | 0.33 | -0.96 | -1.28 | 0.55 | 0.71 | -0.44 | -0.79 | -0.95 | -1.06 | -0.64 | |
| 23 | -0.85 | 0.10 | 0.10 | -1.04 | -1.29 | 0.04 | 0.48 | -0.45 | -0.80 | -0.95 | -1.06 | -0.65 | |
| 24 | -0.85 | -0.25 | 0.18 | -1.13 | -1.29 | -0.13 | 0.02 | -0.47 | -0.80 | -0.96 | -1.06 | -0.72 | |
| 25 | -0.90 | -0.24 | 0.04 | -1.18 | -1.27 | -0.21 | -0.22 | -0.49 | -0.80 | -0.96 | -1.06 | -0.83 | |
| 26 | -0.33 | -0.36 | -0.25 | -1.10 | -1.18 | 1.36 | -0.34 | -0.51 | -0.81 | -0.96 | -1.06 | -0.93 | |
| 27 | -0.68 | -0.44 | -0.40 | -1.03 | -1.16 | 0.82 | -0.40 | -0.51 | -0.81 | -0.96 | -1.06 | -0.96 | |
| 28 | -1.08 | -0.53 | -0.43 | -1.07 | -1.15 | 2.28 | -0.46 | -0.52 | -0.82 | -0.97 | -0.93 | -0.97 | |
| 29 | -1.09 | -0.64 | -0.57 | -1.12 | -1.13 | 2.43 | -0.51 | -0.51 | -0.82 | -0.97 | | -0.99 | |
| 30 | -1.09 | -0.51 | -0.65 | -1.13 | -1.10 | 2.01 | -0.55 | -0.50 | -0.83 | -0.97 | | -1.00 | |
| 31 | | -0.55 | | -1.14 | -1.12 | | -0.56 | | -0.83 | -0.97 | | -1.02 | |
| Mean | -0.90 | -0.53 | -0.55 | -1.01 | -1.24 | 0.06 | 0.64 | -0.49 | -0.71 | -0.91 | -1.02 | -0.94 | |
| Max | -0.21 | 1.55 | 1.25 | -0.69 | -1.10 | 2.43 | 2.91 | -0.26 | -0.50 | -0.83 | -0.93 | -0.62 | 2.91 |
| Min | -1.15 | -1.11 | -1.06 | -1.29 | -1.29 | -1.16 | -0.56 | -0.82 | -0.83 | -0.97 | -1.06 | -1.04 | -1.29 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 3.12 | m. (A.D.) , | at 06.00 Hours , on Oct 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | -2.40 | m. (A.D.) |
| Left Bank Elevation | 4.17 | m. (A.D.) , | | | |
| Right Bank Elevation | 4.18 | m. (A.D.) , | Drainage Are | 686 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.84 | 2.02 | 6.50 | 4.38 | 1.41 | 1.69 | 27.81 | 7.02 | 5.80 | 3.48 | 2.59 | 3.35 | | |
| 2 | 3.35 | 1.91 | 5.20 | 4.24 | 1.25 | 1.63 | 19.70 | 7.24 | 5.73 | 3.41 | 2.59 | 2.91 | | |
| 3 | 2.78 | 1.91 | 4.90 | 3.92 | 1.25 | 1.52 | 18.16 | 7.35 | 5.65 | 3.41 | 2.53 | 2.91 | | |
| 4 | 2.53 | 1.85 | 4.45 | 3.60 | 1.20 | 2.13 | 33.10 | 6.70 | 5.58 | 3.41 | 2.53 | 2.78 | | |
| 5 | 2.18 | 1.80 | 3.98 | 3.29 | 1.15 | 1.85 | 29.70 | 5.80 | 5.43 | 3.35 | 2.46 | 2.53 | | |
| 6 | 2.13 | 2.46 | 3.79 | 2.91 | 1.10 | 1.74 | 47.06 | 5.28 | 5.28 | 3.35 | 2.46 | 2.35 | | |
| 7 | 2.07 | 2.24 | 3.67 | 2.84 | 1.10 | 1.69 | 44.76 | 4.83 | 5.20 | 3.35 | 2.40 | 2.35 | | |
| 8 | 8.89 | 2.02 | 3.60 | 2.78 | 1.05 | 2.07 | 25.44 | 4.45 | 5.13 | 3.35 | 2.40 | 2.29 | | |
| 9 | 4.24 | 1.96 | 3.48 | 2.72 | 1.00 | 4.11 | 42.24 | 4.17 | 5.05 | 3.29 | 2.40 | 2.29 | | |
| 10 | 3.48 | 2.29 | 3.22 | 2.65 | 1.00 | 2.91 | 117.10 | 3.86 | 4.90 | 3.22 | 2.35 | 2.24 | | |
| 11 | 2.84 | 16.55 | 3.03 | 2.59 | 0.95 | 2.78 | 134.98 | 3.54 | 4.68 | 3.16 | 2.35 | 2.24 | | |
| 12 | 2.07 | 6.91 | 2.84 | 2.46 | 0.95 | 3.67 | 55.38 | 3.60 | 4.38 | 3.10 | 2.29 | 2.24 | | |
| 13 | 1.74 | 4.98 | 2.78 | 2.35 | 0.90 | 8.01 | 45.48 | 4.75 | 4.17 | 3.03 | 2.29 | 2.24 | | |
| 14 | 1.58 | 3.98 | 2.65 | 2.18 | 0.90 | 8.67 | 37.60 | 6.50 | 4.05 | 2.97 | 2.24 | 2.24 | | |
| 15 | 2.13 | 3.29 | 2.46 | 2.02 | 0.90 | 7.79 | 31.10 | 7.24 | 3.98 | 2.91 | 2.24 | 2.18 | | |
| 16 | 2.07 | 2.78 | 2.35 | 1.85 | 0.95 | 45.84 | 25.44 | 7.90 | 3.92 | 2.84 | 2.18 | 2.18 | | |
| 17 | 1.91 | 3.16 | 2.29 | 1.80 | 0.90 | 20.85 | 21.54 | 8.34 | 3.86 | 2.84 | 2.18 | 2.18 | | |
| 18 | 2.40 | 5.05 | 2.18 | 1.47 | 0.90 | 17.50 | 17.12 | 8.01 | 3.86 | 2.78 | 2.13 | 2.18 | | |
| 19 | 2.02 | 9.98 | 2.07 | 1.20 | 0.90 | 13.89 | 14.46 | 7.35 | 3.79 | 2.78 | 2.13 | 2.18 | | |
| 20 | 3.79 | 56.30 | 8.78 | 0.85 | 0.90 | 91.58 | 44.04 | 6.80 | 3.79 | 2.72 | 2.13 | 2.78 | | |
| 21 | 6.30 | 28.08 | 44.40 | 3.22 | 0.90 | 51.20 | 31.66 | 6.60 | 3.73 | 2.72 | 2.13 | 4.90 | | |
| 22 | 4.60 | 14.65 | 18.16 | 2.65 | 0.90 | 23.20 | 27.27 | 6.40 | 3.73 | 2.72 | 2.07 | 4.75 | | |
| 23 | 3.35 | 13.70 | 13.70 | 2.18 | 0.85 | 12.62 | 21.54 | 6.30 | 3.67 | 2.72 | 2.07 | 4.68 | | |
| 24 | 3.35 | 8.45 | 15.22 | 1.69 | 0.85 | 9.98 | 12.26 | 6.10 | 3.67 | 2.65 | 2.07 | 4.17 | | |
| 25 | 3.03 | 8.56 | 12.62 | 1.41 | 0.95 | 8.89 | 8.78 | 5.90 | 3.67 | 2.65 | 2.07 | 3.48 | | |
| 26 | 7.57 | 7.24 | 8.45 | 1.85 | 1.41 | 48.78 | 7.46 | 5.73 | 3.60 | 2.65 | 2.07 | 2.84 | | |
| 27 | 4.45 | 6.40 | 6.80 | 2.24 | 1.52 | 30.26 | 6.80 | 5.73 | 3.60 | 2.65 | 2.07 | 2.65 | | |
| 28 | 1.96 | 5.58 | 6.50 | 2.02 | 1.58 | 94.50 | 6.20 | 5.65 | 3.54 | 2.59 | 2.84 | 2.59 | | |
| 29 | 1.91 | 4.75 | 5.28 | 1.74 | 1.69 | 103.30 | 5.73 | 5.73 | 3.54 | 2.59 | | 2.46 | | |
| 30 | 1.91 | 5.73 | 4.68 | 1.69 | 1.85 | 78.78 | 5.43 | 5.80 | 3.48 | 2.59 | | 2.40 | | |
| 31 | | 5.43 | | 1.63 | 1.74 | | 5.35 | | 3.48 | 2.59 | | 2.29 | | |
| Total | 95.47 | 242.01 | 210.03 | 74.42 | 34.90 | 703.43 | 970.69 | 180.67 | 133.94 | 91.87 | 64.26 | 85.85 | 2887.54 | CMSDAY |
| Mean | 3.18 | 7.81 | 7.00 | 2.40 | 1.13 | 23.45 | 31.31 | 6.02 | 4.32 | 2.96 | 2.30 | 2.77 | 7.91 | CMS |
| Max | 8.89 | 56.30 | 44.40 | 4.38 | 1.85 | 103.30 | 134.98 | 8.34 | 5.80 | 3.48 | 2.84 | 4.90 | 134.98 | CMS |
| Min | 1.58 | 1.80 | 2.07 | 0.85 | 0.85 | 1.52 | 5.35 | 3.54 | 3.48 | 2.59 | 2.07 | 2.18 | 0.85 | CMS |
| Runoff | 8.25 | 20.91 | 18.15 | 6.43 | 3.02 | 60.78 | 83.87 | 15.61 | 11.57 | 7.94 | 5.55 | 7.42 | 249.48 | MCM |

Momentary Peak 152.00 CMS. at 3.12 m. (A.D.) at 06.00 Hours , on Oct 11 , 2006

Runoff Yield 11.52 Liters/Second/Square KM. Momentary Peak Yield 221.42 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Khwae Noi River at Ban Lum Sum , Kanchanaburi (K.10)

Lat 14 - 05 - 38 N Long 99 - 10 - 40 E

**Location : on left bank about 100 meters upstream from Ban Lum Sum railway station**

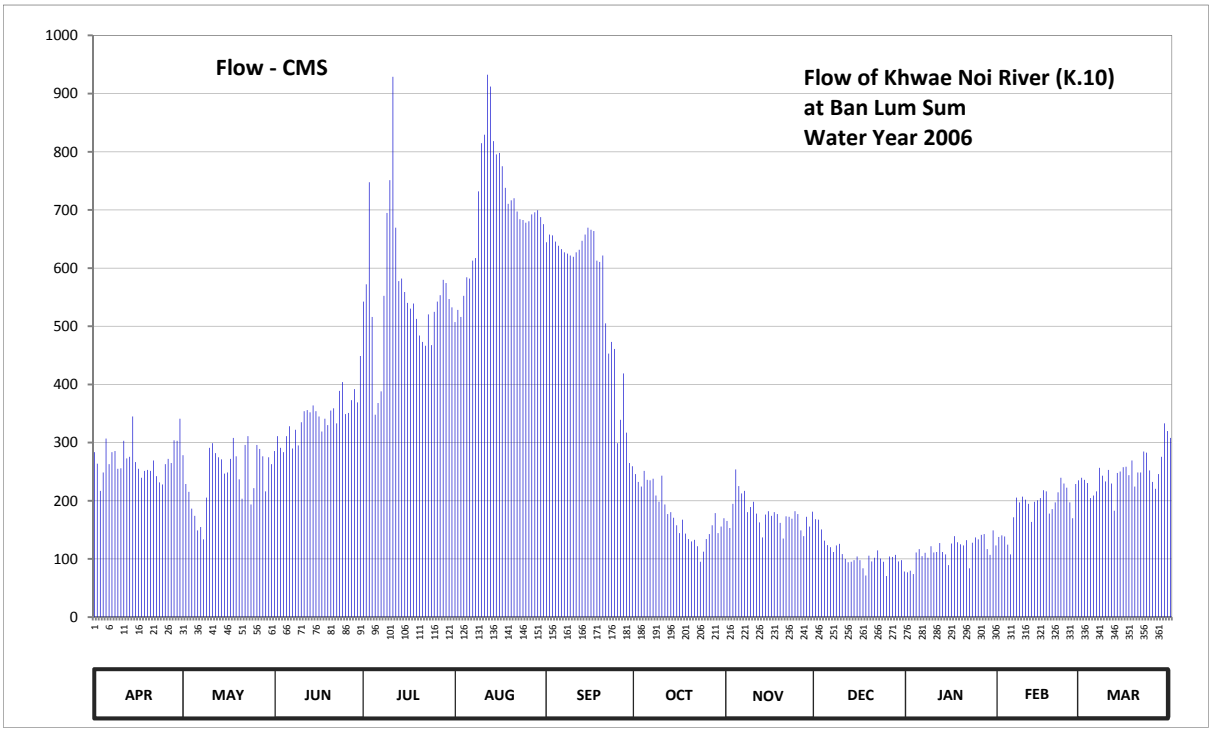
**Ban** Lum Sum **Amphoe** Sai Yok **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 7,008 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +30.400 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the gage site. **Elevation** +52.057 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings |
| **Period of Available Gage Records** | 1965 to date |
| **Rating Operation** | |
| **Period of Rating** | 1965 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1965 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow regulated by Khao Laem Dam.<br>Stage-discharge relation defined by 7 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34.43 | 34.37 | 34.45 | 36.95 | 36.63 | 37.87 | 34.01 | 33.09 | 33.13 | 31.87 | 32.74 | 33.94 | |
| 2 | 34.21 | 33.82 | 34.71 | 37.22 | 36.82 | 37.98 | 33.86 | 32.94 | 33.12 | 31.91 | 32.78 | 33.90 | |
| 3 | 33.69 | 33.67 | 34.51 | 38.73 | 36.71 | 37.97 | 33.77 | 33.44 | 32.91 | 31.83 | 32.75 | 33.84 | |
| 4 | 34.04 | 33.35 | 34.43 | 36.71 | 37.04 | 37.88 | 34.07 | 34.10 | 32.65 | 32.36 | 32.55 | 33.55 | |
| 5 | 34.67 | 33.20 | 34.71 | 35.08 | 37.33 | 37.82 | 33.90 | 33.78 | 32.54 | 32.44 | 32.31 | 33.60 | |
| 6 | 34.20 | 32.89 | 34.88 | 35.28 | 37.31 | 37.77 | 33.89 | 33.64 | 32.49 | 32.27 | 33.17 | 33.68 | |
| 7 | 34.43 | 32.96 | 34.50 | 35.48 | 37.59 | 37.72 | 33.92 | 33.69 | 32.37 | 32.35 | 33.56 | 34.13 | |
| 8 | 34.45 | 32.68 | 34.82 | 37.04 | 37.63 | 37.70 | 33.60 | 33.28 | 32.53 | 32.23 | 33.47 | 33.98 | |
| 9 | 34.11 | 33.56 | 34.55 | 38.29 | 38.60 | 37.67 | 33.48 | 33.38 | 32.57 | 32.51 | 33.58 | 33.87 | |
| 10 | 34.12 | 34.51 | 34.95 | 38.76 | 39.29 | 37.65 | 33.98 | 33.48 | 32.32 | 32.36 | 33.52 | 34.09 | |
| 11 | 34.63 | 34.59 | 35.14 | 40.24 | 39.41 | 37.72 | 33.43 | 33.25 | 32.20 | 32.37 | 33.44 | 33.83 | |
| 12 | 34.31 | 34.41 | 35.16 | 38.08 | 40.27 | 37.76 | 33.24 | 33.06 | 32.12 | 32.59 | 33.07 | 33.31 | |
| 13 | 34.34 | 34.33 | 35.12 | 37.27 | 40.10 | 37.89 | 33.28 | 32.73 | 32.13 | 32.37 | 33.48 | 34.03 | |
| 14 | 35.05 | 34.29 | 35.24 | 37.31 | 39.32 | 37.98 | 33.16 | 33.23 | 32.17 | 32.31 | 33.51 | 34.06 | |
| 15 | 34.24 | 34.02 | 35.14 | 37.10 | 39.13 | 38.08 | 33.00 | 33.30 | 32.26 | 32.05 | 33.55 | 34.14 | |
| 16 | 34.11 | 34.04 | 35.05 | 36.93 | 39.15 | 38.05 | 32.83 | 33.20 | 32.17 | 32.58 | 33.70 | 34.15 | |
| 17 | 33.94 | 34.30 | 34.79 | 36.84 | 38.96 | 38.03 | 33.12 | 33.28 | 31.97 | 32.76 | 33.68 | 33.99 | |
| 18 | 34.07 | 34.68 | 35.01 | 36.92 | 38.65 | 37.59 | 32.82 | 33.24 | 31.79 | 32.61 | 33.25 | 34.27 | |
| 19 | 34.09 | 34.35 | 34.90 | 36.68 | 38.42 | 37.57 | 32.69 | 33.05 | 32.28 | 32.56 | 33.34 | 33.77 | |
| 20 | 34.07 | 33.91 | 35.15 | 36.42 | 38.47 | 37.67 | 32.63 | 32.70 | 32.14 | 32.53 | 33.47 | 34.04 | |
| 21 | 34.27 | 33.54 | 35.19 | 36.32 | 38.50 | 36.61 | 32.67 | 33.19 | 32.23 | 32.66 | 33.66 | 34.04 | |
| 22 | 33.97 | 34.56 | 34.93 | 36.26 | 38.31 | 36.13 | 32.51 | 33.18 | 32.41 | 31.97 | 33.94 | 34.44 | |
| 23 | 33.85 | 34.71 | 35.49 | 36.75 | 38.20 | 36.32 | 32.13 | 33.14 | 32.21 | 32.60 | 33.83 | 34.42 | |
| 24 | 33.81 | 33.43 | 35.64 | 36.27 | 38.19 | 36.21 | 32.38 | 33.30 | 32.13 | 32.73 | 33.75 | 34.08 | |
| 25 | 34.20 | 33.74 | 35.09 | 36.79 | 38.15 | 34.59 | 32.69 | 33.24 | 31.78 | 32.68 | 33.47 | 33.86 | |
| 26 | 34.30 | 34.56 | 35.11 | 36.95 | 38.17 | 34.99 | 32.81 | 32.89 | 32.26 | 32.79 | 33.15 | 33.73 | |
| 27 | 34.22 | 34.49 | 35.33 | 37.05 | 38.27 | 35.79 | 33.00 | 32.76 | 32.25 | 32.81 | 33.82 | 34.01 | |
| 28 | 34.64 | 34.35 | 35.52 | 37.29 | 38.30 | 34.77 | 33.26 | 33.18 | 32.30 | 32.44 | 33.89 | 34.34 | |
| 29 | 34.63 | 33.68 | 35.29 | 37.24 | 38.33 | 34.22 | 32.83 | 32.97 | 32.14 | 32.30 | | 34.93 | |
| 30 | 35.01 | 34.33 | 36.09 | 36.99 | 38.23 | 34.16 | 32.97 | 33.29 | 32.17 | 32.89 | | 34.80 | |
| 31 | | 34.20 | | 36.86 | 38.13 | | 33.15 | | 31.89 | 32.53 | | 34.68 | |
| Mean | 34.27 | 33.98 | 35.03 | 37.04 | 38.31 | 37.01 | 33.20 | 33.23 | 32.31 | 32.43 | 33.37 | 34.05 | |
| Max | 35.05 | 34.71 | 36.09 | 40.24 | 40.27 | 38.08 | 34.07 | 34.10 | 33.13 | 32.89 | 33.94 | 34.93 | 40.27 |
| Min | 33.69 | 32.68 | 34.43 | 35.08 | 36.63 | 34.16 | 32.13 | 32.70 | 31.78 | 31.83 | 32.31 | 33.31 | 31.78 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 40.64 | m. (MSL.) , | at 07.00 Hours , on Jul 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 30.40 | m. (MSL.) , | River Bed | 30.23 | m. (MSL) |
| Left Bank Elevation | 51.11 | m. (MSL.) , | | | |
| Right Bank Elevation | 46.78 | m. (MSL.) , | Drainage Are | 7008 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 283.70 | 278.30 | 285.50 | 542.50 | 507.30 | 644.40 | 245.90 | 165.20 | 168.40 | 76.90 | 137.80 | 239.60 | | |
| 2 | 263.90 | 228.80 | 311.00 | 572.20 | 528.20 | 657.60 | 232.40 | 153.20 | 167.60 | 79.70 | 140.60 | 236.00 | | |
| 3 | 217.10 | 215.30 | 291.00 | 747.60 | 516.10 | 656.40 | 224.30 | 194.60 | 150.80 | 74.10 | 138.50 | 230.60 | | |
| 4 | 248.60 | 186.50 | 283.70 | 516.10 | 552.40 | 645.60 | 251.30 | 254.00 | 131.50 | 111.20 | 124.50 | 204.50 | | |
| 5 | 307.00 | 174.00 | 311.00 | 348.00 | 584.30 | 638.40 | 236.00 | 225.20 | 123.80 | 116.80 | 107.70 | 209.00 | | |
| 6 | 263.00 | 149.20 | 328.00 | 368.00 | 582.10 | 632.70 | 235.10 | 212.60 | 120.30 | 104.90 | 171.60 | 216.20 | | |
| 7 | 283.70 | 154.80 | 290.00 | 388.00 | 612.90 | 627.20 | 237.80 | 217.10 | 111.90 | 110.50 | 205.40 | 256.70 | | |
| 8 | 285.50 | 133.60 | 322.00 | 552.40 | 617.30 | 625.00 | 209.00 | 180.40 | 123.10 | 102.10 | 197.30 | 243.20 | | |
| 9 | 254.90 | 205.40 | 295.00 | 694.80 | 732.00 | 621.70 | 198.20 | 189.20 | 125.90 | 121.70 | 207.20 | 233.30 | | |
| 10 | 255.80 | 291.00 | 335.00 | 751.20 | 814.80 | 619.50 | 243.20 | 198.20 | 108.40 | 111.20 | 201.80 | 253.10 | | |
| 11 | 303.00 | 299.00 | 354.00 | 928.80 | 829.20 | 627.20 | 193.70 | 178.00 | 100.00 | 111.90 | 194.60 | 229.70 | | |
| 12 | 272.90 | 281.90 | 356.00 | 669.60 | 932.40 | 631.60 | 177.20 | 162.80 | 94.40 | 127.30 | 163.60 | 182.90 | | |
| 13 | 275.60 | 274.70 | 352.00 | 577.70 | 912.00 | 646.80 | 180.40 | 137.10 | 95.10 | 111.90 | 198.20 | 247.70 | | |
| 14 | 345.00 | 271.10 | 364.00 | 582.10 | 818.40 | 657.60 | 170.80 | 176.40 | 97.90 | 107.70 | 200.90 | 250.40 | | |
| 15 | 266.60 | 246.80 | 354.00 | 559.00 | 795.60 | 669.60 | 158.00 | 182.00 | 104.20 | 89.50 | 204.50 | 257.60 | | |
| 16 | 254.90 | 248.60 | 345.00 | 540.30 | 798.00 | 666.00 | 144.40 | 174.00 | 97.90 | 126.60 | 218.00 | 258.50 | | |
| 17 | 239.60 | 272.00 | 319.00 | 530.40 | 775.20 | 663.60 | 167.60 | 180.40 | 83.90 | 139.20 | 216.20 | 244.10 | | |
| 18 | 251.30 | 308.00 | 341.00 | 539.20 | 738.00 | 612.90 | 143.60 | 177.20 | 71.40 | 128.70 | 178.00 | 269.30 | | |
| 19 | 253.10 | 276.50 | 330.00 | 512.80 | 710.40 | 610.70 | 134.30 | 162.00 | 105.60 | 125.20 | 185.60 | 224.30 | | |
| 20 | 251.30 | 236.90 | 355.00 | 484.20 | 716.40 | 621.70 | 130.10 | 135.00 | 95.80 | 123.10 | 197.30 | 248.60 | | |
| 21 | 269.30 | 203.60 | 359.00 | 473.20 | 720.00 | 505.10 | 132.90 | 173.20 | 102.10 | 132.20 | 214.40 | 248.60 | | |
| 22 | 242.30 | 296.00 | 333.00 | 466.60 | 697.20 | 453.00 | 121.70 | 172.40 | 114.70 | 83.90 | 239.60 | 284.60 | | |
| 23 | 231.50 | 311.00 | 389.00 | 520.50 | 684.00 | 473.20 | 95.10 | 169.20 | 100.70 | 128.00 | 229.70 | 282.80 | | |
| 24 | 227.90 | 193.70 | 404.00 | 467.70 | 682.80 | 461.10 | 112.60 | 182.00 | 95.10 | 137.10 | 222.50 | 252.20 | | |
| 25 | 263.00 | 221.60 | 349.00 | 524.90 | 678.00 | 299.00 | 134.30 | 177.20 | 70.80 | 133.60 | 197.30 | 232.40 | | |
| 26 | 272.00 | 296.00 | 351.00 | 542.50 | 680.40 | 339.00 | 142.80 | 149.20 | 104.20 | 141.30 | 170.00 | 220.70 | | |
| 27 | 264.80 | 289.10 | 373.00 | 553.50 | 692.40 | 419.00 | 158.00 | 139.20 | 103.50 | 142.80 | 228.80 | 245.90 | | |
| 28 | 304.00 | 276.50 | 392.00 | 579.90 | 696.00 | 317.00 | 178.80 | 172.40 | 107.00 | 116.80 | 235.10 | 275.60 | | |
| 29 | 303.00 | 216.20 | 369.00 | 574.40 | 699.60 | 264.80 | 144.40 | 155.60 | 95.80 | 107.00 | | 333.00 | | |
| 30 | 341.00 | 274.70 | 449.00 | 546.90 | 687.60 | 259.40 | 155.60 | 181.20 | 97.90 | 149.20 | | 320.00 | | |
| 31 | | 263.00 | | 532.60 | 675.60 | | 170.00 | | 78.30 | 123.10 | | 308.00 | | |
| Total | 8095.30 | 7573.80 | 10290.20 | 17187.60 | 21666.60 | 16566.80 | 5459.50 | 5326.20 | 3348.00 | 3595.20 | 5326.70 | 7739.10 | 112175.00 | CMSDAY |
| Mean | 269.84 | 244.32 | 343.01 | 554.44 | 698.92 | 552.23 | 176.11 | 177.54 | 108.00 | 115.97 | 190.24 | 249.65 | 307.33 | CMS |
| Max | 345.00 | 311.00 | 449.00 | 928.80 | 932.40 | 669.60 | 251.30 | 254.00 | 168.40 | 149.20 | 239.60 | 333.00 | 932.40 | CMS |
| Min | 217.10 | 133.60 | 283.70 | 348.00 | 507.30 | 259.40 | 95.10 | 135.00 | 70.80 | 74.10 | 107.70 | 182.90 | 70.80 | CMS |
| Runoff | 699.43 | 654.38 | 889.07 | 1485.01 | 1871.99 | 1431.37 | 471.70 | 460.18 | 289.27 | 310.63 | 460.23 | 668.66 | 9691.92 | MCM |

Momentary Peak 976.80 CMS. at 40.64 m. (MSL.) at 07.00 Hours , on Jul 11 , 2006

Runoff Yield 43.85 Liters/Second/Square KM. Momentary Peak Yield 139.38 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Mae Klong River at Ban Wang Khanai , Kanchanaburi (K.11A)

Lat 13 - 56 - 55 N Long 99 - 38 - 42 E

**Location : on left bank at Ban Wang Khanai.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Khanai | **Amphoe** Tha Muang | **Changwat** Kanchanaburi |
| **Drainge Area** | 26,449 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +9.813 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +24.879 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 1993 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1993 - 1999 , 2005 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1993 - 1999 , 2005 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 7 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

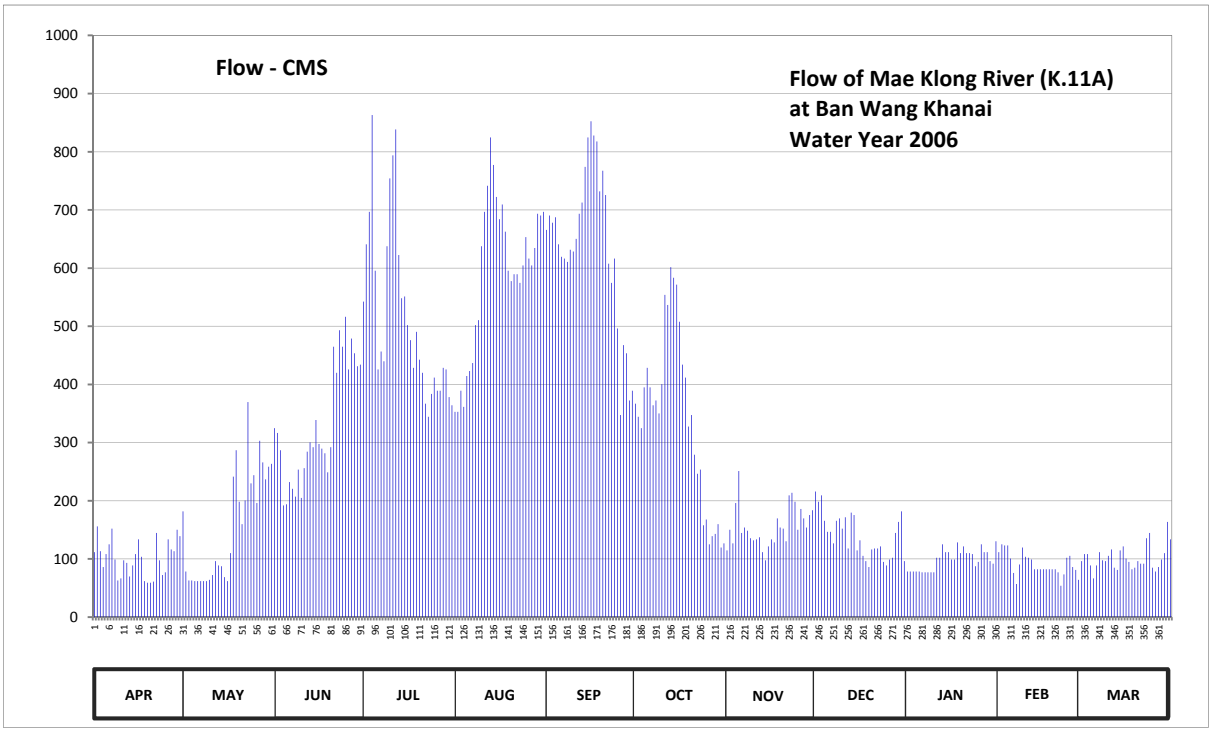
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.46 | 11.84 | 12.43 | 13.20 | 12.53 | 13.61 | 12.58 | 11.48 | 12.00 | 11.23 | 11.46 | 11.36 | |
| 2 | 11.71 | 11.23 | 12.40 | 13.53 | 12.53 | 13.69 | 12.50 | 11.68 | 11.92 | 11.23 | 11.54 | 11.44 | |
| 3 | 11.47 | 11.10 | 12.29 | 13.71 | 12.66 | 13.65 | 12.43 | 11.55 | 11.97 | 11.23 | 11.53 | 11.44 | |
| 4 | 11.29 | 11.10 | 11.89 | 14.21 | 12.56 | 13.68 | 12.68 | 11.91 | 11.76 | 11.23 | 11.53 | 11.31 | |
| 5 | 11.44 | 11.09 | 11.90 | 13.38 | 12.75 | 13.53 | 12.80 | 12.15 | 11.66 | 11.23 | 11.39 | 11.13 | |
| 6 | 11.54 | 11.09 | 12.07 | 12.79 | 12.78 | 13.46 | 12.68 | 11.65 | 11.66 | 11.22 | 11.21 | 11.31 | |
| 7 | 11.69 | 11.09 | 12.02 | 12.90 | 12.83 | 13.45 | 12.57 | 11.70 | 11.55 | 11.22 | 11.04 | 11.46 | |
| 8 | 11.38 | 11.09 | 11.96 | 12.84 | 13.06 | 13.43 | 12.60 | 11.67 | 11.76 | 11.22 | 11.32 | 11.37 | |
| 9 | 11.10 | 11.09 | 12.16 | 13.52 | 13.09 | 13.50 | 12.52 | 11.60 | 11.78 | 11.22 | 11.51 | 11.36 | |
| 10 | 11.13 | 11.11 | 11.95 | 13.89 | 13.52 | 13.49 | 12.70 | 11.58 | 11.69 | 11.22 | 11.41 | 11.42 | |
| 11 | 11.37 | 11.18 | 12.17 | 14.01 | 13.71 | 13.56 | 13.24 | 11.59 | 11.79 | 11.40 | 11.40 | 11.49 | |
| 12 | 11.34 | 11.36 | 12.28 | 14.14 | 13.85 | 13.70 | 13.18 | 11.61 | 11.50 | 11.40 | 11.38 | 11.28 | |
| 13 | 11.16 | 11.31 | 12.34 | 13.47 | 14.10 | 13.76 | 13.40 | 11.46 | 11.83 | 11.54 | 11.26 | 11.25 | |
| 14 | 11.31 | 11.30 | 12.31 | 13.22 | 13.96 | 13.95 | 13.34 | 11.37 | 11.81 | 11.46 | 11.26 | 11.48 | |
| 15 | 11.44 | 11.15 | 12.48 | 13.23 | 13.79 | 14.10 | 13.30 | 11.52 | 11.48 | 11.46 | 11.26 | 11.52 | |
| 16 | 11.59 | 11.09 | 12.33 | 13.06 | 13.67 | 14.18 | 13.08 | 11.59 | 11.58 | 11.38 | 11.26 | 11.39 | |
| 17 | 11.41 | 11.45 | 12.30 | 12.97 | 13.75 | 14.11 | 12.82 | 11.56 | 11.42 | 11.38 | 11.26 | 11.35 | |
| 18 | 11.09 | 12.11 | 12.27 | 12.80 | 13.60 | 14.08 | 12.74 | 11.78 | 11.36 | 11.56 | 11.26 | 11.26 | |
| 19 | 11.06 | 12.29 | 12.14 | 13.02 | 13.38 | 13.82 | 12.44 | 11.70 | 11.29 | 11.45 | 11.26 | 11.28 | |
| 20 | 11.06 | 11.92 | 12.31 | 12.85 | 13.32 | 13.93 | 12.51 | 11.69 | 11.49 | 11.52 | 11.26 | 11.36 | |
| 21 | 11.08 | 11.73 | 12.93 | 12.77 | 13.36 | 13.80 | 12.26 | 11.57 | 11.50 | 11.45 | 11.22 | 11.33 | |
| 22 | 11.65 | 11.93 | 12.77 | 12.58 | 13.36 | 13.42 | 12.13 | 11.97 | 11.50 | 11.45 | 11.01 | 11.33 | |
| 23 | 11.37 | 12.59 | 13.03 | 12.50 | 13.31 | 13.31 | 12.16 | 11.99 | 11.52 | 11.44 | 11.19 | 11.60 | |
| 24 | 11.18 | 12.06 | 12.93 | 12.64 | 13.41 | 13.45 | 11.72 | 11.92 | 11.35 | 11.30 | 11.40 | 11.65 | |
| 25 | 11.22 | 12.12 | 13.11 | 12.74 | 13.57 | 13.04 | 11.77 | 11.68 | 11.31 | 11.35 | 11.42 | 11.28 | |
| 26 | 11.59 | 11.91 | 12.79 | 12.66 | 13.45 | 12.51 | 11.54 | 11.86 | 11.38 | 11.54 | 11.29 | 11.23 | |
| 27 | 11.49 | 12.35 | 12.98 | 12.66 | 13.41 | 12.94 | 11.62 | 11.78 | 11.40 | 11.46 | 11.25 | 11.29 | |
| 28 | 11.47 | 12.21 | 12.89 | 12.80 | 13.51 | 12.89 | 11.64 | 11.70 | 11.65 | 11.46 | 11.11 | 11.38 | |
| 29 | 11.68 | 12.09 | 12.81 | 12.79 | 13.70 | 12.60 | 11.73 | 11.81 | 11.75 | 11.36 | | 11.45 | |
| 30 | 11.62 | 12.18 | 12.82 | 12.62 | 13.69 | 12.66 | 11.51 | 11.85 | 11.84 | 11.33 | | 11.75 | |
| 31 | | 12.20 | | 12.57 | 13.71 | | 11.55 | | 11.36 | 11.57 | | 11.59 | |
| Mean | 11.38 | 11.62 | 12.44 | 13.10 | 13.35 | 13.51 | 12.44 | 11.70 | 11.61 | 11.37 | 11.31 | 11.39 | |
| Max | 11.71 | 12.59 | 13.11 | 14.21 | 14.10 | 14.18 | 13.40 | 12.15 | 12.00 | 11.57 | 11.54 | 11.75 | 14.21 |
| Min | 11.06 | 11.09 | 11.89 | 12.50 | 12.53 | 12.51 | 11.51 | 11.37 | 11.29 | 11.22 | 11.01 | 11.13 | 11.01 |

Annual Max Momentary Gage Height 14.65 m. (MSL.) , at 03.00 Hours , on Jun 24 , 2006

Zero Gage at Bottom Elevation 9.81 m. (MSL.) , River Bed 9.24 m. (MSL)

Left Bank Elevation 16.28 m. (MSL.) ,

Right Bank Elevation 17.92 m. (MSL.) , Drainage Are 26,449 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 111.60 | 181.70 | 324.90 | 542.50 | 352.90 | 665.60 | 366.90 | 114.80 | 216.00 | 78.40 | 111.60 | 96.20 | | |
| 2 | 155.95 | 78.40 | 316.50 | 640.80 | 352.90 | 690.40 | 344.50 | 150.30 | 198.40 | 78.40 | 125.00 | 108.40 | | |
| 3 | 113.20 | 63.00 | 286.90 | 696.70 | 389.30 | 678.00 | 324.90 | 126.75 | 209.40 | 78.40 | 123.25 | 108.40 | | |
| 4 | 86.20 | 63.00 | 191.95 | 863.10 | 361.30 | 687.30 | 394.90 | 196.20 | 165.70 | 78.40 | 123.25 | 88.95 | | |
| 5 | 108.40 | 62.00 | 194.00 | 595.50 | 414.50 | 640.80 | 428.50 | 251.25 | 146.60 | 78.40 | 100.55 | 66.45 | | |
| 6 | 125.00 | 62.00 | 232.10 | 425.70 | 422.90 | 619.50 | 394.90 | 144.75 | 146.60 | 77.10 | 75.80 | 88.95 | | |
| 7 | 152.15 | 62.00 | 220.60 | 456.50 | 436.90 | 616.50 | 364.10 | 154.00 | 126.75 | 77.10 | 57.00 | 111.60 | | |
| 8 | 99.10 | 62.00 | 207.20 | 439.70 | 501.90 | 610.50 | 372.50 | 148.45 | 165.70 | 77.10 | 90.40 | 97.65 | | |
| 9 | 63.00 | 62.00 | 253.70 | 637.70 | 510.60 | 631.50 | 350.10 | 135.50 | 169.60 | 77.10 | 119.75 | 96.20 | | |
| 10 | 66.45 | 64.15 | 205.00 | 754.30 | 637.70 | 628.50 | 400.50 | 132.00 | 152.15 | 77.10 | 103.60 | 105.20 | | |
| 11 | 97.65 | 72.20 | 256.15 | 793.90 | 696.70 | 650.10 | 554.10 | 133.75 | 171.55 | 102.00 | 102.00 | 116.40 | | |
| 12 | 93.30 | 96.20 | 284.30 | 838.50 | 741.50 | 693.50 | 536.70 | 137.35 | 118.00 | 102.00 | 99.10 | 84.90 | | |
| 13 | 69.90 | 88.95 | 300.30 | 622.50 | 824.50 | 712.70 | 601.50 | 111.60 | 179.65 | 125.00 | 82.30 | 81.00 | | |
| 14 | 88.95 | 87.50 | 292.20 | 548.30 | 777.30 | 774.00 | 583.50 | 97.65 | 175.55 | 111.60 | 82.30 | 114.80 | | |
| 15 | 108.40 | 68.75 | 338.90 | 551.20 | 722.30 | 824.50 | 571.50 | 121.50 | 114.80 | 111.60 | 82.30 | 121.50 | | |
| 16 | 133.75 | 62.00 | 297.60 | 501.90 | 684.20 | 852.50 | 507.70 | 133.75 | 132.00 | 99.10 | 82.30 | 100.55 | | |
| 17 | 103.60 | 110.00 | 289.50 | 476.10 | 709.50 | 828.00 | 434.10 | 128.50 | 105.20 | 99.10 | 82.30 | 94.75 | | |
| 18 | 62.00 | 241.45 | 281.70 | 428.50 | 662.50 | 817.70 | 411.70 | 169.60 | 96.20 | 128.50 | 82.30 | 82.30 | | |
| 19 | 59.00 | 286.90 | 248.80 | 490.30 | 595.50 | 731.90 | 327.70 | 154.00 | 86.20 | 110.00 | 82.30 | 84.90 | | |
| 20 | 59.00 | 198.40 | 292.20 | 442.50 | 577.50 | 767.40 | 347.30 | 152.15 | 116.40 | 121.50 | 82.30 | 96.20 | | |
| 21 | 61.00 | 159.85 | 464.90 | 420.10 | 589.50 | 725.50 | 279.10 | 130.25 | 118.00 | 110.00 | 77.10 | 91.85 | | |
| 22 | 144.75 | 200.60 | 420.10 | 366.90 | 589.50 | 607.50 | 246.35 | 209.40 | 118.00 | 110.00 | 54.00 | 91.85 | | |
| 23 | 97.65 | 369.70 | 493.20 | 344.50 | 574.50 | 574.50 | 253.70 | 213.80 | 121.50 | 108.40 | 73.35 | 135.50 | | |
| 24 | 72.20 | 229.80 | 464.90 | 383.70 | 604.50 | 616.50 | 157.90 | 198.40 | 94.75 | 87.50 | 102.00 | 144.75 | | |
| 25 | 77.10 | 243.90 | 516.40 | 411.70 | 653.20 | 496.10 | 167.65 | 150.30 | 88.95 | 94.75 | 105.20 | 84.90 | | |
| 26 | 133.75 | 196.20 | 425.70 | 389.30 | 616.50 | 347.30 | 125.00 | 185.80 | 99.10 | 125.00 | 86.20 | 78.40 | | |
| 27 | 116.40 | 303.00 | 478.90 | 389.30 | 604.50 | 467.70 | 139.20 | 169.60 | 102.00 | 111.60 | 81.00 | 86.20 | | |
| 28 | 113.20 | 266.10 | 453.70 | 428.50 | 634.60 | 453.70 | 142.90 | 154.00 | 144.75 | 111.60 | 64.15 | 99.10 | | |
| 29 | 150.30 | 236.70 | 431.30 | 425.70 | 693.50 | 372.50 | 159.85 | 175.55 | 163.75 | 96.20 | | 110.00 | | |
| 30 | 139.20 | 258.60 | 434.10 | 378.10 | 690.40 | 389.30 | 119.75 | 183.75 | 181.70 | 91.85 | | 163.75 | | |
| 31 | | 263.50 | | 364.10 | 696.70 | | 126.75 | | 96.20 | 130.25 | | 133.75 | | |
| Total | 3062.15 | 4800.55 | 9897.70 | 16048.10 | 18319.80 | 19171.50 | 10535.75 | 4664.70 | 4321.15 | 3065.05 | 2532.70 | 3165.35 | 99584.50 | CMSDAY |
| Mean | 102.07 | 154.86 | 329.92 | 517.68 | 590.96 | 639.05 | 339.86 | 155.49 | 139.39 | 98.87 | 90.45 | 102.11 | 272.83 | CMS |
| Max | 155.95 | 369.70 | 516.40 | 863.10 | 824.50 | 852.50 | 601.50 | 251.25 | 216.00 | 130.25 | 125.00 | 163.75 | 863.10 | CMS |
| Min | 59.00 | 62.00 | 191.95 | 344.50 | 352.90 | 347.30 | 119.75 | 97.65 | 86.20 | 77.10 | 54.00 | 66.45 | 54.00 | CMS |
| Runoff | 264.57 | 414.77 | 855.16 | 1386.56 | 1582.83 | 1656.42 | 910.29 | 403.03 | 373.35 | 264.82 | 218.83 | 273.49 | 8604.10 | MCM |

Momentary Peak 1029.50 CMS. at 14.65 m. (MSL.) at 03.00 Hours , on Jun 24 , 2006

Runoff Yield 10.32 Liters/Second/Square KM. Momentary Peak Yield 38.92 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Lam Ta Phoen at Ban Thung Na Nang Rok , Kanchanaburi (K.12)

Lat 14 - 09 - 17 N Long 99 - 25 - 07 E

**Location : on left bank about 50 meters downstream from Wat Thung Na Nang Rok.**

**Ban** Thung Na Nang Rok **Amphoe** Mueang **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 2,375 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +40.437 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 6 meters from the top staff gage. **Elevation** +49.887 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1965 to date |
| **Rating Operation** | |
| **Period of Rating** | 1965 - 1968 , 1995 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1965 - 1968 , 1995 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +46.540 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 40 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

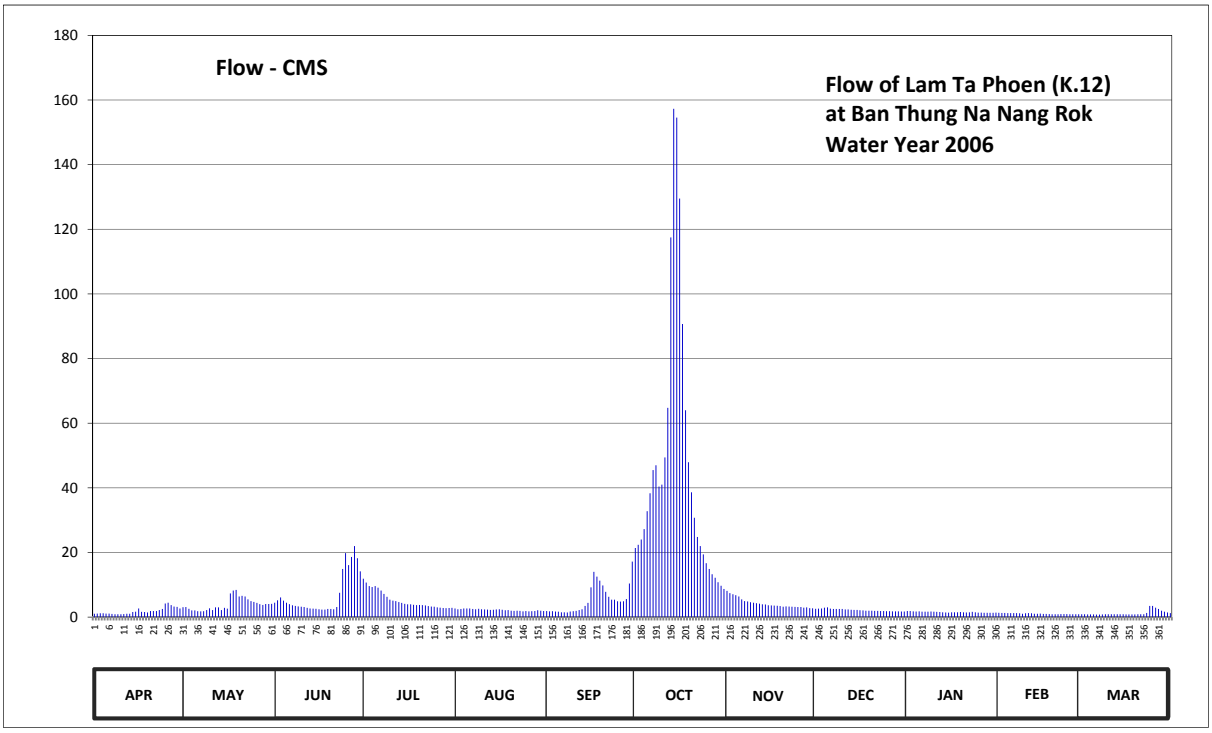
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41.19 | 41.55 | 41.80 | 42.56 | 41.48 | 41.34 | 43.12 | 42.21 | 41.46 | 41.34 | 41.24 | 41.16 | |
| 2 | 41.20 | 41.56 | 41.92 | 42.47 | 41.44 | 41.32 | 43.17 | 42.14 | 41.47 | 41.34 | 41.23 | 41.16 | |
| 3 | 41.21 | 41.46 | 42.01 | 42.36 | 41.45 | 41.33 | 43.25 | 42.11 | 41.48 | 41.32 | 41.23 | 41.15 | |
| 4 | 41.21 | 41.37 | 41.91 | 42.33 | 41.48 | 41.31 | 43.39 | 42.08 | 41.53 | 41.31 | 41.22 | 41.15 | |
| 5 | 41.20 | 41.37 | 41.80 | 42.36 | 41.48 | 41.30 | 43.61 | 42.04 | 41.54 | 41.32 | 41.22 | 41.15 | |
| 6 | 41.20 | 41.33 | 41.72 | 42.31 | 41.48 | 41.27 | 43.81 | 41.95 | 41.47 | 41.30 | 41.22 | 41.14 | |
| 7 | 41.18 | 41.32 | 41.66 | 42.22 | 41.45 | 41.27 | 44.05 | 41.89 | 41.45 | 41.30 | 41.22 | 41.14 | |
| 8 | 41.16 | 41.33 | 41.62 | 42.12 | 41.44 | 41.26 | 44.10 | 41.87 | 41.45 | 41.30 | 41.21 | 41.15 | |
| 9 | 41.16 | 41.39 | 41.60 | 42.03 | 41.46 | 41.31 | 43.88 | 41.83 | 41.45 | 41.31 | 41.19 | 41.16 | |
| 10 | 41.16 | 41.49 | 41.58 | 41.94 | 41.44 | 41.33 | 43.90 | 41.80 | 41.45 | 41.30 | 41.21 | 41.16 | |
| 11 | 41.17 | 41.39 | 41.56 | 41.91 | 41.43 | 41.35 | 44.18 | 41.77 | 41.43 | 41.29 | 41.22 | 41.16 | |
| 12 | 41.19 | 41.54 | 41.52 | 41.89 | 41.42 | 41.39 | 44.61 | 41.75 | 41.43 | 41.28 | 41.21 | 41.16 | |
| 13 | 41.19 | 41.54 | 41.48 | 41.84 | 41.40 | 41.44 | 45.81 | 41.71 | 41.41 | 41.27 | 41.19 | 41.16 | |
| 14 | 41.28 | 41.39 | 41.47 | 41.79 | 41.41 | 41.62 | 46.56 | 41.70 | 41.40 | 41.26 | 41.19 | 41.16 | |
| 15 | 41.30 | 41.52 | 41.46 | 41.74 | 41.43 | 41.79 | 46.51 | 41.66 | 41.40 | 41.25 | 41.20 | 41.16 | |
| 16 | 41.48 | 41.47 | 41.44 | 41.71 | 41.44 | 42.32 | 46.05 | 41.65 | 41.38 | 41.27 | 41.18 | 41.15 | |
| 17 | 41.29 | 42.13 | 41.42 | 41.71 | 41.41 | 42.70 | 45.26 | 41.64 | 41.37 | 41.27 | 41.18 | 41.15 | |
| 18 | 41.28 | 42.22 | 41.42 | 41.69 | 41.38 | 42.60 | 44.59 | 41.63 | 41.36 | 41.27 | 41.17 | 41.15 | |
| 19 | 41.26 | 42.24 | 41.45 | 41.67 | 41.39 | 42.52 | 44.13 | 41.61 | 41.36 | 41.28 | 41.16 | 41.15 | |
| 20 | 41.34 | 42.04 | 41.45 | 41.68 | 41.36 | 42.38 | 43.82 | 41.58 | 41.36 | 41.27 | 41.16 | 41.16 | |
| 21 | 41.34 | 42.06 | 41.44 | 41.67 | 41.35 | 42.18 | 43.53 | 41.60 | 41.35 | 41.26 | 41.16 | 41.16 | |
| 22 | 41.34 | 42.04 | 41.56 | 41.65 | 41.36 | 42.03 | 43.29 | 41.59 | 41.35 | 41.27 | 41.17 | 41.16 | |
| 23 | 41.39 | 41.95 | 42.15 | 41.61 | 41.35 | 41.94 | 43.15 | 41.58 | 41.34 | 41.29 | 41.17 | 41.23 | |
| 24 | 41.45 | 41.89 | 42.76 | 41.59 | 41.32 | 41.94 | 43.02 | 41.57 | 41.34 | 41.27 | 41.17 | 41.62 | |
| 25 | 41.76 | 41.85 | 43.04 | 41.58 | 41.34 | 41.88 | 42.88 | 41.56 | 41.33 | 41.25 | 41.16 | 41.62 | |
| 26 | 41.80 | 41.79 | 42.84 | 41.54 | 41.32 | 41.86 | 42.76 | 41.56 | 41.33 | 41.25 | 41.16 | 41.53 | |
| 27 | 41.67 | 41.72 | 42.98 | 41.53 | 41.33 | 41.88 | 42.65 | 41.53 | 41.32 | 41.24 | 41.16 | 41.45 | |
| 28 | 41.59 | 41.68 | 43.15 | 41.51 | 41.34 | 41.96 | 42.58 | 41.54 | 41.32 | 41.24 | 41.16 | 41.36 | |
| 29 | 41.57 | 41.73 | 42.96 | 41.50 | 41.38 | 42.44 | 42.48 | 41.50 | 41.32 | 41.24 | | 41.30 | |
| 30 | 41.48 | 41.73 | 42.71 | 41.51 | 41.36 | 42.91 | 42.37 | 41.49 | 41.31 | 41.24 | | 41.26 | |
| 31 | | 41.74 | | 41.52 | 41.34 | | 42.27 | | 41.31 | 41.25 | | 41.22 | |
| Mean | 41.33 | 41.67 | 41.93 | 41.86 | 41.40 | 41.81 | 43.83 | 41.74 | 41.40 | 41.28 | 41.19 | 41.23 | |
| Max | 41.80 | 42.24 | 43.15 | 42.56 | 41.48 | 42.91 | 46.56 | 42.21 | 41.54 | 41.34 | 41.24 | 41.62 | 46.56 |
| Min | 41.16 | 41.32 | 41.42 | 41.50 | 41.32 | 41.26 | 42.27 | 41.49 | 41.31 | 41.24 | 41.16 | 41.14 | 41.14 |

Annual Max Momentary Gage Height 46.63 m. (MSL.) , at 15.00 Hours , on Oct 14 , 2006

Zero Gage at Bottom Elevation 40.44 m. (MSL.) , River Bed 40.91 m. (MSL.)

Left Bank Elevation 46.53 m. (MSL.) ,

Right Bank Elevation 46.55 m. (MSL.) , Drainage Are 2,375 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.06 | 3.06 | 4.44 | 11.90 | 2.67 | 1.89 | 21.40 | 8.10 | 2.56 | 1.89 | 1.33 | 0.89 | | |
| 2 | 1.11 | 3.11 | 5.20 | 10.70 | 2.44 | 1.78 | 22.40 | 7.40 | 2.61 | 1.89 | 1.28 | 0.89 | | |
| 3 | 1.17 | 2.56 | 6.10 | 9.60 | 2.50 | 1.83 | 24.00 | 7.10 | 2.67 | 1.78 | 1.28 | 0.83 | | |
| 4 | 1.17 | 2.06 | 5.10 | 9.30 | 2.67 | 1.72 | 27.25 | 6.80 | 2.94 | 1.72 | 1.22 | 0.83 | | |
| 5 | 1.11 | 2.06 | 4.44 | 9.60 | 2.67 | 1.67 | 32.75 | 6.40 | 3.00 | 1.78 | 1.22 | 0.83 | | |
| 6 | 1.11 | 1.83 | 4.00 | 9.10 | 2.67 | 1.50 | 38.30 | 5.50 | 2.61 | 1.67 | 1.22 | 0.78 | | |
| 7 | 1.00 | 1.78 | 3.67 | 8.20 | 2.50 | 1.50 | 45.50 | 4.94 | 2.50 | 1.67 | 1.22 | 0.78 | | |
| 8 | 0.89 | 1.83 | 3.44 | 7.20 | 2.44 | 1.44 | 47.00 | 4.83 | 2.50 | 1.67 | 1.17 | 0.83 | | |
| 9 | 0.89 | 2.17 | 3.33 | 6.30 | 2.56 | 1.72 | 40.40 | 4.61 | 2.50 | 1.72 | 1.06 | 0.89 | | |
| 10 | 0.89 | 2.72 | 3.22 | 5.40 | 2.44 | 1.83 | 41.00 | 4.44 | 2.50 | 1.67 | 1.17 | 0.89 | | |
| 11 | 0.94 | 2.17 | 3.11 | 5.10 | 2.39 | 1.94 | 49.40 | 4.28 | 2.39 | 1.61 | 1.22 | 0.89 | | |
| 12 | 1.06 | 3.00 | 2.89 | 4.94 | 2.33 | 2.17 | 64.76 | 4.17 | 2.39 | 1.56 | 1.17 | 0.89 | | |
| 13 | 1.06 | 3.00 | 2.67 | 4.67 | 2.22 | 2.44 | 117.50 | 3.94 | 2.28 | 1.50 | 1.06 | 0.89 | | |
| 14 | 1.56 | 2.17 | 2.61 | 4.39 | 2.28 | 3.44 | 157.30 | 3.89 | 2.22 | 1.44 | 1.06 | 0.89 | | |
| 15 | 1.67 | 2.89 | 2.56 | 4.11 | 2.39 | 4.39 | 154.55 | 3.67 | 2.22 | 1.39 | 1.11 | 0.89 | | |
| 16 | 2.67 | 2.61 | 2.44 | 3.94 | 2.44 | 9.20 | 129.50 | 3.61 | 2.11 | 1.50 | 1.00 | 0.83 | | |
| 17 | 1.61 | 7.30 | 2.33 | 3.94 | 2.28 | 14.00 | 90.70 | 3.56 | 2.06 | 1.50 | 1.00 | 0.83 | | |
| 18 | 1.56 | 8.20 | 2.33 | 3.83 | 2.11 | 12.50 | 64.04 | 3.50 | 2.00 | 1.50 | 0.94 | 0.83 | | |
| 19 | 1.44 | 8.40 | 2.50 | 3.72 | 2.17 | 11.30 | 47.90 | 3.39 | 2.00 | 1.56 | 0.89 | 0.83 | | |
| 20 | 1.89 | 6.40 | 2.50 | 3.78 | 2.00 | 9.80 | 38.60 | 3.22 | 2.00 | 1.50 | 0.89 | 0.89 | | |
| 21 | 1.89 | 6.60 | 2.44 | 3.72 | 1.94 | 7.80 | 30.75 | 3.33 | 1.94 | 1.44 | 0.89 | 0.89 | | |
| 22 | 1.89 | 6.40 | 3.11 | 3.61 | 2.00 | 6.30 | 24.80 | 3.28 | 1.94 | 1.50 | 0.94 | 0.89 | | |
| 23 | 2.17 | 5.50 | 7.50 | 3.39 | 1.94 | 5.40 | 22.00 | 3.22 | 1.89 | 1.61 | 0.94 | 1.28 | | |
| 24 | 2.50 | 4.94 | 14.90 | 3.28 | 1.78 | 5.40 | 19.40 | 3.17 | 1.89 | 1.50 | 0.94 | 3.44 | | |
| 25 | 4.22 | 4.72 | 19.80 | 3.22 | 1.89 | 4.89 | 16.70 | 3.11 | 1.83 | 1.39 | 0.89 | 3.44 | | |
| 26 | 4.44 | 4.39 | 16.10 | 3.00 | 1.78 | 4.78 | 14.90 | 3.11 | 1.83 | 1.39 | 0.89 | 2.94 | | |
| 27 | 3.72 | 4.00 | 18.60 | 2.94 | 1.83 | 4.89 | 13.25 | 2.94 | 1.78 | 1.33 | 0.89 | 2.50 | | |
| 28 | 3.28 | 3.78 | 22.00 | 2.83 | 1.89 | 5.60 | 12.20 | 3.00 | 1.78 | 1.33 | 0.89 | 2.00 | | |
| 29 | 3.17 | 4.06 | 18.20 | 2.78 | 2.11 | 10.40 | 10.80 | 2.78 | 1.78 | 1.33 | | 1.67 | | |
| 30 | 2.67 | 4.06 | 14.15 | 2.83 | 2.00 | 17.20 | 9.70 | 2.72 | 1.72 | 1.33 | | 1.44 | | |
| 31 | | 4.11 | | 2.89 | 1.89 | | 8.70 | | 1.72 | 1.39 | | 1.22 | | |
| Total | 55.81 | 121.88 | 205.68 | 164.21 | 69.22 | 160.72 | 1437.45 | 128.01 | 68.16 | 48.06 | 29.78 | 38.81 | 2527.79 | CMSDAY |
| Mean | 1.86 | 3.93 | 6.86 | 5.30 | 2.23 | 5.36 | 46.37 | 4.27 | 2.20 | 1.55 | 1.06 | 1.25 | 6.93 | CMS |
| Max | 4.44 | 8.40 | 22.00 | 11.90 | 2.67 | 17.20 | 157.30 | 8.10 | 3.00 | 1.89 | 1.33 | 3.44 | 157.30 | CMS |
| Min | 0.89 | 1.78 | 2.33 | 2.78 | 1.78 | 1.44 | 8.70 | 2.72 | 1.72 | 1.33 | 0.89 | 0.78 | 0.78 | CMS |
| Runoff | 4.82 | 10.53 | 17.77 | 14.19 | 5.98 | 13.89 | 124.20 | 11.06 | 5.89 | 4.15 | 2.57 | 3.35 | 218.40 | MCM |

Momentary Peak 161.15 CMS. at 46.63 m. (MSL.) at 15.00 Hours , on Oct 14, 2006

Runoff Yield 2.92 Liters/Second/Square KM. Momentary Peak Yield 67.88 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Lam Phachi at Ban Bo , Ratchaburi (K.17)

Lat 13 - 32 - 31 N Long 99 - 21 - 24 E

**Location : on left bank oppositeto the 'Sai Ngam' fronter police station.**

**Ban** Bo **Amphoe** Suan Phung **Changwat** Ratchaburi

| | |
|---|---|
| **Drainge Area** | 1,344 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +97.460 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Along the measuring line. **Elevation** +109.256 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1966 to date |
| **Rating Operation** | |
| **Period of Rating** | 1966 - 1988 , 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1966 - 1988 , 1993 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 68 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

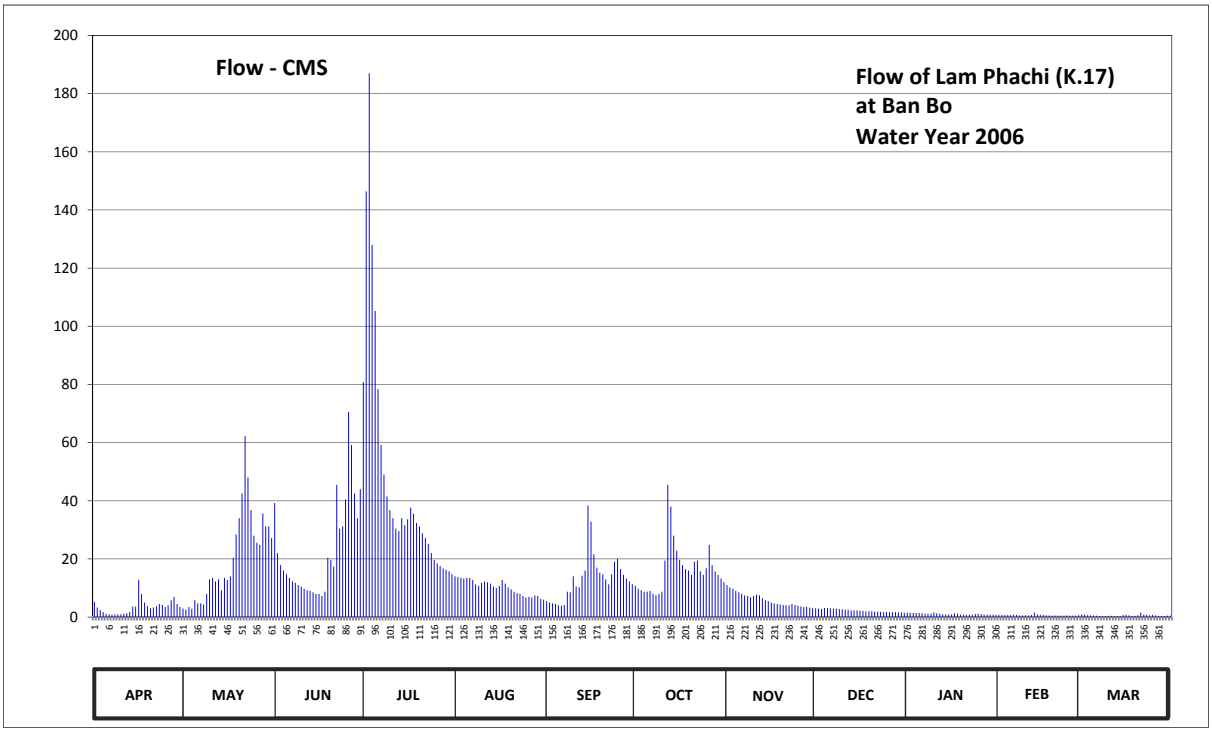
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 97.93 | 97.79 | 98.98 | 99.73 | 98.28 | 97.94 | 98.15 | 98.16 | 97.80 | 97.65 | 97.55 | 97.57 | |
| 2 | 97.82 | 97.76 | 98.55 | 100.63 | 98.27 | 97.92 | 98.11 | 98.13 | 97.79 | 97.65 | 97.55 | 97.57 | |
| 3 | 97.74 | 97.83 | 98.43 | 101.07 | 98.26 | 97.91 | 98.09 | 98.11 | 97.78 | 97.64 | 97.55 | 97.53 | |
| 4 | 97.67 | 97.79 | 98.36 | 100.40 | 98.25 | 97.90 | 98.07 | 98.08 | 97.81 | 97.64 | 97.55 | 97.52 | |
| 5 | 97.61 | 97.95 | 98.31 | 100.09 | 98.26 | 97.87 | 98.07 | 98.06 | 97.81 | 97.64 | 97.54 | 97.51 | |
| 6 | 97.59 | 97.91 | 98.26 | 99.69 | 98.26 | 97.86 | 98.08 | 98.04 | 97.80 | 97.63 | 97.57 | 97.50 | |
| 7 | 97.57 | 97.91 | 98.21 | 99.37 | 98.23 | 97.88 | 98.04 | 98.02 | 97.79 | 97.62 | 97.55 | 97.48 | |
| 8 | 97.58 | 97.89 | 98.19 | 99.18 | 98.17 | 98.07 | 98.02 | 98.01 | 97.79 | 97.62 | 97.52 | 97.47 | |
| 9 | 97.60 | 98.04 | 98.16 | 99.03 | 98.15 | 98.06 | 98.04 | 97.99 | 97.78 | 97.62 | 97.52 | 97.47 | |
| 10 | 97.59 | 98.24 | 98.14 | 98.92 | 98.19 | 98.28 | 98.07 | 98.01 | 97.77 | 97.66 | 97.53 | 97.49 | |
| 11 | 97.61 | 98.26 | 98.11 | 98.85 | 98.21 | 98.14 | 98.48 | 98.03 | 97.76 | 97.63 | 97.52 | 97.49 | |
| 12 | 97.63 | 98.21 | 98.09 | 98.76 | 98.20 | 98.13 | 99.11 | 98.02 | 97.75 | 97.61 | 97.54 | 97.47 | |
| 13 | 97.68 | 98.24 | 98.08 | 98.74 | 98.18 | 98.29 | 98.95 | 97.98 | 97.73 | 97.59 | 97.66 | 97.46 | |
| 14 | 97.84 | 98.09 | 98.06 | 98.85 | 98.14 | 98.36 | 98.70 | 97.95 | 97.73 | 97.59 | 97.59 | 97.47 | |
| 15 | 97.84 | 98.26 | 98.04 | 98.79 | 98.12 | 98.96 | 98.57 | 97.94 | 97.73 | 97.59 | 97.56 | 97.54 | |
| 16 | 98.23 | 98.23 | 98.04 | 98.84 | 98.15 | 98.82 | 98.49 | 97.92 | 97.72 | 97.59 | 97.55 | 97.55 | |
| 17 | 98.04 | 98.28 | 98.01 | 98.94 | 98.23 | 98.54 | 98.43 | 97.91 | 97.71 | 97.63 | 97.53 | 97.52 | |
| 18 | 97.92 | 98.51 | 98.07 | 98.89 | 98.18 | 98.40 | 98.38 | 97.90 | 97.70 | 97.62 | 97.52 | 97.47 | |
| 19 | 97.85 | 98.71 | 98.51 | 98.81 | 98.13 | 98.33 | 98.36 | 97.89 | 97.70 | 97.57 | 97.51 | 97.49 | |
| 20 | 97.80 | 98.85 | 98.49 | 98.78 | 98.10 | 98.31 | 98.30 | 97.88 | 97.70 | 97.57 | 97.51 | 97.53 | |
| 21 | 97.82 | 99.05 | 98.41 | 98.72 | 98.07 | 98.24 | 98.47 | 97.87 | 97.69 | 97.56 | 97.51 | 97.66 | |
| 22 | 97.85 | 99.42 | 99.11 | 98.68 | 98.05 | 98.17 | 98.48 | 97.87 | 97.68 | 97.56 | 97.51 | 97.59 | |
| 23 | 97.90 | 99.16 | 98.76 | 98.63 | 98.04 | 98.31 | 98.35 | 97.90 | 97.68 | 97.56 | 97.51 | 97.55 | |
| 24 | 97.88 | 98.92 | 98.78 | 98.55 | 98.01 | 98.47 | 98.30 | 97.88 | 97.67 | 97.61 | 97.52 | 97.53 | |
| 25 | 97.83 | 98.70 | 99.01 | 98.49 | 97.99 | 98.50 | 98.39 | 97.86 | 97.67 | 97.61 | 97.51 | 97.55 | |
| 26 | 97.87 | 98.64 | 99.56 | 98.45 | 98.00 | 98.38 | 98.62 | 97.84 | 97.67 | 97.60 | 97.51 | 97.52 | |
| 27 | 97.95 | 98.62 | 99.37 | 98.42 | 97.99 | 98.30 | 98.43 | 97.83 | 97.67 | 97.58 | 97.51 | 97.49 | |
| 28 | 98.00 | 98.89 | 99.05 | 98.39 | 98.02 | 98.25 | 98.35 | 97.84 | 97.67 | 97.57 | 97.53 | 97.48 | |
| 29 | 97.90 | 98.78 | 98.85 | 98.37 | 98.01 | 98.21 | 98.30 | 97.82 | 97.66 | 97.56 | | 97.48 | |
| 30 | 97.83 | 98.78 | 99.08 | 98.35 | 97.97 | 98.17 | 98.25 | 97.80 | 97.66 | 97.56 | | 97.50 | |
| 31 | | 98.68 | | 98.31 | 97.96 | | 98.20 | | 97.65 | 97.56 | | 97.50 | |
| Mean | 97.80 | 98.40 | 98.50 | 99.02 | 98.13 | 98.23 | 98.34 | 97.95 | 97.73 | 97.60 | 97.54 | 97.51 | |
| Max | 98.23 | 99.42 | 99.56 | 101.07 | 98.28 | 98.96 | 99.11 | 98.16 | 97.81 | 97.66 | 97.66 | 97.66 | 101.07 |
| Min | 97.57 | 97.76 | 98.01 | 98.31 | 97.96 | 97.86 | 98.02 | 97.80 | 97.65 | 97.56 | 97.51 | 97.46 | 97.46 |

Annual Max Momentary Gage Height 101.51 m. (MSL.) , at 21.00 Hours , on Jul 2, 2006

Zero Gage at Bottom Elevation 97.46 m. (MSL.) , River Bed 97.33 m. (MSL.)

Left Bank Elevation 103.57 m. (MSL.) ,

Right Bank Elevation 103.50 m. (MSL.) , Drainage Are 1,344 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.25 | 2.90 | 39.20 | 80.80 | 14.00 | 5.50 | 10.75 | 11.00 | 3.00 | 1.50 | 0.75 | 0.85 | | |
| 2 | 3.30 | 2.60 | 22.00 | 146.40 | 13.75 | 5.00 | 9.75 | 10.25 | 2.90 | 1.50 | 0.75 | 0.85 | | |
| 3 | 2.40 | 3.45 | 17.90 | 187.00 | 13.50 | 4.75 | 9.25 | 9.75 | 2.80 | 1.40 | 0.75 | 0.65 | | |
| 4 | 1.70 | 2.90 | 16.00 | 128.00 | 13.25 | 4.50 | 8.75 | 9.00 | 3.15 | 1.40 | 0.75 | 0.60 | | |
| 5 | 1.10 | 5.75 | 14.75 | 105.30 | 13.50 | 4.05 | 8.75 | 8.50 | 3.15 | 1.40 | 0.70 | 0.55 | | |
| 6 | 0.95 | 4.75 | 13.50 | 78.40 | 13.50 | 3.90 | 9.00 | 8.00 | 3.00 | 1.30 | 0.85 | 0.50 | | |
| 7 | 0.85 | 4.75 | 12.25 | 59.20 | 12.75 | 4.20 | 8.00 | 7.50 | 2.90 | 1.20 | 0.75 | 0.40 | | |
| 8 | 0.90 | 4.35 | 11.75 | 49.00 | 11.25 | 8.75 | 7.50 | 7.25 | 2.90 | 1.20 | 0.60 | 0.35 | | |
| 9 | 1.00 | 8.00 | 11.00 | 41.50 | 10.75 | 8.50 | 8.00 | 6.75 | 2.80 | 1.20 | 0.60 | 0.35 | | |
| 10 | 0.95 | 13.00 | 10.50 | 36.80 | 11.75 | 14.00 | 8.75 | 7.25 | 2.70 | 1.60 | 0.65 | 0.45 | | |
| 11 | 1.10 | 13.50 | 9.75 | 34.00 | 12.25 | 10.50 | 19.40 | 7.75 | 2.60 | 1.30 | 0.60 | 0.45 | | |
| 12 | 1.30 | 12.25 | 9.25 | 30.40 | 12.00 | 10.25 | 45.50 | 7.50 | 2.50 | 1.10 | 0.70 | 0.35 | | |
| 13 | 1.80 | 13.00 | 9.00 | 29.60 | 11.50 | 14.25 | 38.00 | 6.50 | 2.30 | 0.95 | 1.60 | 0.30 | | |
| 14 | 3.60 | 9.25 | 8.50 | 34.00 | 10.50 | 16.00 | 28.00 | 5.75 | 2.30 | 0.95 | 0.95 | 0.35 | | |
| 15 | 3.60 | 13.50 | 8.00 | 31.60 | 10.00 | 38.40 | 22.80 | 5.50 | 2.30 | 0.95 | 0.80 | 0.70 | | |
| 16 | 12.75 | 12.75 | 8.00 | 33.60 | 10.75 | 32.80 | 19.70 | 5.00 | 2.20 | 0.95 | 0.75 | 0.75 | | |
| 17 | 8.00 | 14.00 | 7.25 | 37.60 | 12.75 | 21.60 | 17.90 | 4.75 | 2.10 | 1.30 | 0.65 | 0.60 | | |
| 18 | 5.00 | 20.40 | 8.75 | 35.60 | 11.50 | 17.00 | 16.50 | 4.50 | 2.00 | 1.20 | 0.60 | 0.35 | | |
| 19 | 3.75 | 28.40 | 20.40 | 32.40 | 10.25 | 15.25 | 16.00 | 4.35 | 2.00 | 0.85 | 0.55 | 0.45 | | |
| 20 | 3.00 | 34.00 | 19.70 | 31.20 | 9.50 | 14.75 | 14.50 | 4.20 | 2.00 | 0.85 | 0.55 | 0.65 | | |
| 21 | 3.30 | 42.50 | 17.30 | 28.80 | 8.75 | 13.00 | 19.10 | 4.05 | 1.90 | 0.80 | 0.55 | 1.60 | | |
| 22 | 3.75 | 62.20 | 45.50 | 27.20 | 8.25 | 11.25 | 19.40 | 4.05 | 1.80 | 0.80 | 0.55 | 0.95 | | |
| 23 | 4.50 | 48.00 | 30.40 | 25.20 | 8.00 | 14.75 | 15.75 | 4.50 | 1.80 | 0.80 | 0.55 | 0.75 | | |
| 24 | 4.20 | 36.80 | 31.20 | 22.00 | 7.25 | 19.10 | 14.50 | 4.20 | 1.70 | 1.10 | 0.60 | 0.65 | | |
| 25 | 3.45 | 28.00 | 40.50 | 19.70 | 6.75 | 20.00 | 16.75 | 3.90 | 1.70 | 1.10 | 0.55 | 0.75 | | |
| 26 | 4.05 | 25.60 | 70.60 | 18.50 | 7.00 | 16.50 | 24.80 | 3.60 | 1.70 | 1.00 | 0.55 | 0.60 | | |
| 27 | 5.75 | 24.80 | 59.20 | 17.60 | 6.75 | 14.50 | 17.90 | 3.45 | 1.70 | 0.90 | 0.55 | 0.45 | | |
| 28 | 7.00 | 35.60 | 42.50 | 16.75 | 7.50 | 13.25 | 15.75 | 3.60 | 1.70 | 0.85 | 0.65 | 0.40 | | |
| 29 | 4.50 | 31.20 | 34.00 | 16.25 | 7.25 | 12.25 | 14.50 | 3.30 | 1.60 | 0.80 | | 0.40 | | |
| 30 | 3.45 | 31.20 | 44.00 | 15.75 | 6.25 | 11.25 | 13.25 | 3.00 | 1.60 | 0.80 | | 0.50 | | |
| 31 | | 27.20 | | 14.75 | 6.00 | | 12.00 | | 1.50 | 0.80 | | 0.50 | | |
| Total | 106.25 | 616.60 | 692.65 | 1464.90 | 318.75 | 399.80 | 510.50 | 178.70 | 70.30 | 33.85 | 19.45 | 18.05 | 4429.80 | CMSDAY |
| Mean | 3.54 | 19.89 | 23.09 | 47.25 | 10.28 | 13.33 | 16.47 | 5.96 | 2.27 | 1.09 | 0.69 | 0.58 | 12.14 | CMS |
| Max | 12.75 | 62.20 | 70.60 | 187.00 | 14.00 | 38.40 | 45.50 | 11.00 | 3.15 | 1.60 | 1.60 | 1.60 | 187.00 | CMS |
| Min | 0.85 | 2.60 | 7.25 | 14.75 | 6.00 | 3.90 | 7.50 | 3.00 | 1.50 | 0.80 | 0.55 | 0.30 | 0.30 | CMS |
| Runoff | 9.18 | 53.27 | 59.84 | 126.57 | 27.54 | 34.54 | 44.11 | 15.44 | 6.07 | 2.92 | 1.68 | 1.56 | 382.73 | MCM |

Momentary Peak 233.10 CMS. at 101.51 m. (MSL.) at 21.00 Hours , on Jul 2, 2006

Runoff Yield 9.03 Liters/Second/Square KM. Momentary Peak Yield 173.44 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Nam Noi at Ban Sai Yok, Kanchanaburi (K.22B)

Lat 14 - 26 - 59 N Long 98 - 48 - 08 E

**Location : on right bank about 640 meters upstream from station K.22A**

**Ban** Sai Yok **Amphoe** Sai Yok **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 311 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +67.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 10 meters from the top staff gage. **Elevation** +73.578 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1989 to date |
| **Rating Operation** | |
| **Period of Rating** | 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1989 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 40 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

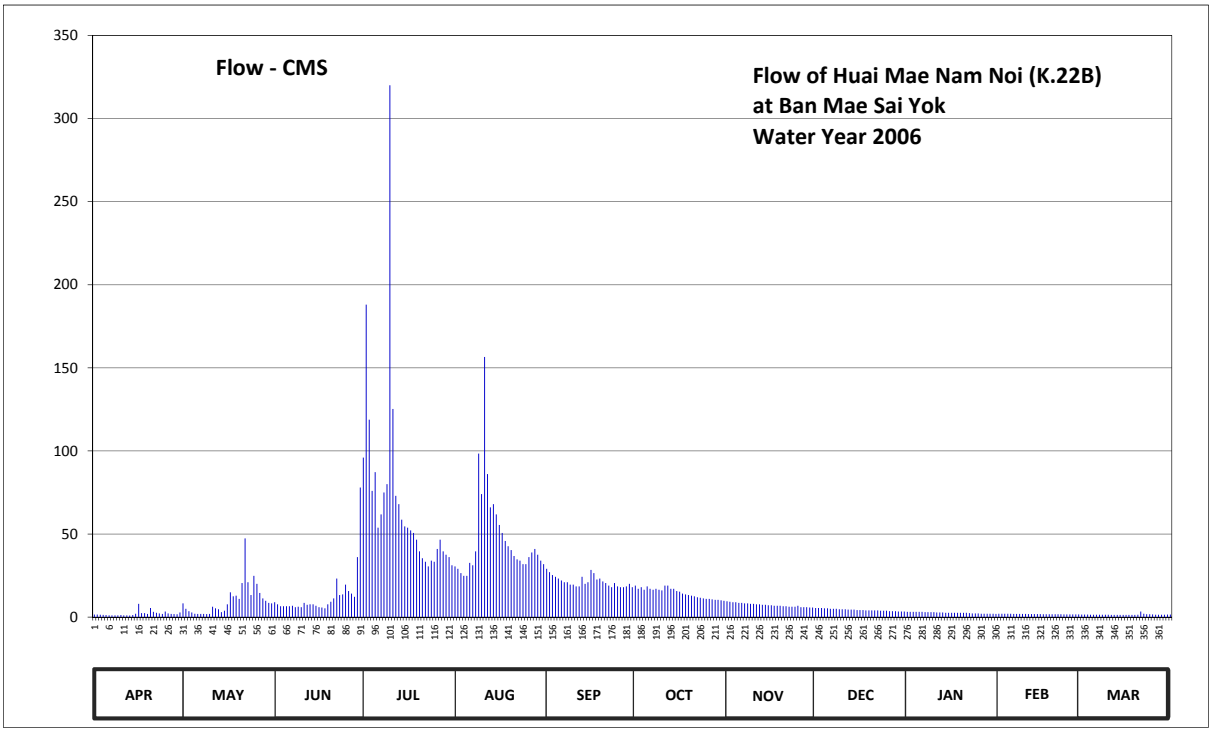
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 68.25 | 68.56 | 68.58 | 69.80 | 69.05 | 69.03 | 68.85 | 68.60 | 68.46 | 68.36 | 68.30 | 68.25 | |
| 2 | 68.25 | 68.44 | 68.54 | 70.48 | 69.03 | 69.00 | 68.81 | 68.59 | 68.46 | 68.36 | 68.30 | 68.25 | |
| 3 | 68.24 | 68.38 | 68.50 | 69.99 | 68.99 | 68.97 | 68.83 | 68.58 | 68.46 | 68.36 | 68.30 | 68.25 | |
| 4 | 68.23 | 68.34 | 68.50 | 69.61 | 68.96 | 68.95 | 68.80 | 68.58 | 68.45 | 68.36 | 68.30 | 68.24 | |
| 5 | 68.22 | 68.30 | 68.50 | 69.72 | 68.96 | 68.93 | 68.84 | 68.57 | 68.45 | 68.36 | 68.30 | 68.24 | |
| 6 | 68.21 | 68.29 | 68.50 | 69.36 | 69.08 | 68.91 | 68.81 | 68.57 | 68.44 | 68.36 | 68.29 | 68.24 | |
| 7 | 68.21 | 68.29 | 68.51 | 69.46 | 69.06 | 68.89 | 68.80 | 68.56 | 68.44 | 68.35 | 68.29 | 68.24 | |
| 8 | 68.21 | 68.29 | 68.48 | 69.60 | 69.18 | 68.89 | 68.81 | 68.56 | 68.44 | 68.35 | 68.29 | 68.24 | |
| 9 | 68.21 | 68.28 | 68.49 | 69.65 | 69.82 | 68.86 | 68.80 | 68.55 | 68.43 | 68.35 | 68.29 | 68.24 | |
| 10 | 68.22 | 68.29 | 68.48 | 71.23 | 69.59 | 68.86 | 68.79 | 68.55 | 68.43 | 68.35 | 68.29 | 68.24 | |
| 11 | 68.21 | 68.49 | 68.57 | 70.04 | 70.27 | 68.84 | 68.85 | 68.54 | 68.43 | 68.34 | 68.28 | 68.23 | |
| 12 | 68.21 | 68.45 | 68.53 | 69.58 | 69.71 | 68.84 | 68.85 | 68.54 | 68.42 | 68.34 | 68.28 | 68.23 | |
| 13 | 68.20 | 68.43 | 68.54 | 69.53 | 69.51 | 68.95 | 68.81 | 68.53 | 68.42 | 68.34 | 68.28 | 68.23 | |
| 14 | 68.22 | 68.35 | 68.54 | 69.42 | 69.53 | 68.87 | 68.81 | 68.53 | 68.42 | 68.33 | 68.28 | 68.23 | |
| 15 | 68.30 | 68.39 | 68.51 | 69.37 | 69.46 | 68.89 | 68.78 | 68.52 | 68.41 | 68.33 | 68.28 | 68.23 | |
| 16 | 68.55 | 68.54 | 68.48 | 69.36 | 69.38 | 69.02 | 68.77 | 68.52 | 68.41 | 68.33 | 68.27 | 68.23 | |
| 17 | 68.32 | 68.76 | 68.47 | 69.34 | 69.32 | 68.99 | 68.74 | 68.51 | 68.41 | 68.33 | 68.27 | 68.23 | |
| 18 | 68.32 | 68.70 | 68.45 | 69.32 | 69.26 | 68.92 | 68.73 | 68.51 | 68.40 | 68.33 | 68.27 | 68.23 | |
| 19 | 68.29 | 68.71 | 68.54 | 69.27 | 69.22 | 68.93 | 68.72 | 68.51 | 68.40 | 68.33 | 68.27 | 68.23 | |
| 20 | 68.46 | 68.65 | 68.59 | 69.18 | 69.19 | 68.90 | 68.71 | 68.50 | 68.40 | 68.33 | 68.27 | 68.24 | |
| 21 | 68.36 | 68.88 | 68.66 | 69.12 | 69.14 | 68.88 | 68.70 | 68.50 | 68.40 | 68.33 | 68.27 | 68.37 | |
| 22 | 68.33 | 69.28 | 68.93 | 69.09 | 69.11 | 68.85 | 68.68 | 68.49 | 68.40 | 68.32 | 68.27 | 68.30 | |
| 23 | 68.31 | 68.89 | 68.72 | 69.05 | 69.10 | 68.83 | 68.67 | 68.49 | 68.39 | 68.31 | 68.26 | 68.27 | |
| 24 | 68.29 | 68.72 | 68.73 | 69.10 | 69.07 | 68.88 | 68.66 | 68.49 | 68.39 | 68.31 | 68.26 | 68.27 | |
| 25 | 68.37 | 68.96 | 68.86 | 69.09 | 69.07 | 68.84 | 68.65 | 68.51 | 68.39 | 68.31 | 68.26 | 68.26 | |
| 26 | 68.31 | 68.87 | 68.78 | 69.20 | 69.13 | 68.83 | 68.65 | 68.48 | 68.38 | 68.30 | 68.26 | 68.24 | |
| 27 | 68.29 | 68.75 | 68.74 | 69.27 | 69.17 | 68.83 | 68.64 | 68.48 | 68.38 | 68.30 | 68.26 | 68.24 | |
| 28 | 68.28 | 68.66 | 68.69 | 69.18 | 69.20 | 68.84 | 68.63 | 68.48 | 68.38 | 68.30 | 68.26 | 68.24 | |
| 29 | 68.27 | 68.61 | 69.13 | 69.15 | 69.15 | 68.87 | 68.63 | 68.47 | 68.37 | 68.30 | | 68.24 | |
| 30 | 68.34 | 68.57 | 69.63 | 69.13 | 69.10 | 68.83 | 68.62 | 68.47 | 68.37 | 68.30 | | 68.25 | |
| 31 | | 68.56 | | 69.06 | 69.07 | | 68.61 | | 68.37 | 68.29 | | 68.25 | |
| Mean | 68.28 | 68.57 | 68.64 | 69.48 | 69.25 | 68.90 | 68.74 | 68.53 | 68.41 | 68.33 | 68.28 | 68.25 | |
| Max | 68.55 | 69.28 | 69.63 | 71.23 | 70.27 | 69.03 | 68.85 | 68.60 | 68.46 | 68.36 | 68.30 | 68.37 | 71.23 |
| Min | 68.20 | 68.28 | 68.45 | 69.05 | 68.96 | 68.83 | 68.61 | 68.47 | 68.37 | 68.29 | 68.26 | 68.23 | 68.20 |

Annual Max Momentary Gage Height 71.88 m. (MSL.) , at 09.00 Hours , on Jul 10 , 2006

Zero Gage at Bottom Elevation 67.00 m. (MSL.) , River Bed 66.76 m. (MSL.)

Left Bank Elevation 75.94 m. (MSL.) ,

Right Bank Elevation 72.20 m. (MSL.) , Drainage Are 311 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.50 | 8.30 | 8.90 | 96.00 | 30.50 | 29.10 | 19.00 | 9.50 | 5.50 | 3.20 | 2.00 | 1.50 | | |
| 2 | 1.50 | 5.00 | 7.70 | 188.00 | 29.10 | 27.00 | 17.00 | 9.20 | 5.50 | 3.20 | 2.00 | 1.50 | | |
| 3 | 1.40 | 3.60 | 6.50 | 118.80 | 26.45 | 25.35 | 18.00 | 8.90 | 5.50 | 3.20 | 2.00 | 1.50 | | |
| 4 | 1.30 | 2.80 | 6.50 | 76.00 | 24.80 | 24.25 | 16.50 | 8.90 | 5.25 | 3.20 | 2.00 | 1.40 | | |
| 5 | 1.20 | 2.00 | 6.50 | 87.20 | 24.80 | 23.15 | 18.50 | 8.60 | 5.25 | 3.20 | 2.00 | 1.40 | | |
| 6 | 1.10 | 1.90 | 6.50 | 53.80 | 32.60 | 22.05 | 17.00 | 8.60 | 5.00 | 3.20 | 1.90 | 1.40 | | |
| 7 | 1.10 | 1.90 | 6.80 | 61.80 | 31.20 | 21.00 | 16.50 | 8.30 | 5.00 | 3.00 | 1.90 | 1.40 | | |
| 8 | 1.10 | 1.90 | 6.00 | 75.00 | 39.60 | 21.00 | 17.00 | 8.30 | 5.00 | 3.00 | 1.90 | 1.40 | | |
| 9 | 1.10 | 1.80 | 6.25 | 80.00 | 98.40 | 19.50 | 16.50 | 8.00 | 4.75 | 3.00 | 1.90 | 1.40 | | |
| 10 | 1.20 | 1.90 | 6.00 | 320.00 | 74.00 | 19.50 | 16.10 | 8.00 | 4.75 | 3.00 | 1.90 | 1.40 | | |
| 11 | 1.10 | 6.25 | 8.60 | 125.20 | 156.50 | 18.50 | 19.00 | 7.70 | 4.75 | 2.80 | 1.80 | 1.30 | | |
| 12 | 1.10 | 5.25 | 7.40 | 73.00 | 86.10 | 18.50 | 19.00 | 7.70 | 4.50 | 2.80 | 1.80 | 1.30 | | |
| 13 | 1.00 | 4.75 | 7.70 | 68.00 | 66.00 | 24.25 | 17.00 | 7.40 | 4.50 | 2.80 | 1.80 | 1.30 | | |
| 14 | 1.20 | 3.00 | 7.70 | 58.60 | 68.00 | 20.00 | 17.00 | 7.40 | 4.50 | 2.60 | 1.80 | 1.30 | | |
| 15 | 2.00 | 3.80 | 6.80 | 54.60 | 61.80 | 21.00 | 15.70 | 7.10 | 4.25 | 2.60 | 1.80 | 1.30 | | |
| 16 | 8.00 | 7.70 | 6.00 | 53.80 | 55.40 | 28.40 | 15.30 | 7.10 | 4.25 | 2.60 | 1.70 | 1.30 | | |
| 17 | 2.40 | 14.90 | 5.75 | 52.20 | 50.60 | 26.45 | 14.10 | 6.80 | 4.25 | 2.60 | 1.70 | 1.30 | | |
| 18 | 2.40 | 12.50 | 5.25 | 50.60 | 45.80 | 22.60 | 13.70 | 6.80 | 4.00 | 2.60 | 1.70 | 1.30 | | |
| 19 | 1.90 | 12.90 | 7.70 | 46.60 | 42.60 | 23.15 | 13.30 | 6.80 | 4.00 | 2.60 | 1.70 | 1.30 | | |
| 20 | 5.50 | 11.00 | 9.20 | 39.60 | 40.30 | 21.50 | 12.90 | 6.50 | 4.00 | 2.60 | 1.70 | 1.40 | | |
| 21 | 3.20 | 20.50 | 11.30 | 35.40 | 36.80 | 20.50 | 12.50 | 6.50 | 4.00 | 2.60 | 1.70 | 3.40 | | |
| 22 | 2.60 | 47.40 | 23.15 | 33.30 | 34.70 | 19.00 | 11.90 | 6.25 | 4.00 | 2.40 | 1.70 | 2.00 | | |
| 23 | 2.20 | 21.00 | 13.30 | 30.50 | 34.00 | 18.00 | 11.60 | 6.25 | 3.80 | 2.20 | 1.60 | 1.70 | | |
| 24 | 1.90 | 13.30 | 13.70 | 34.00 | 31.90 | 20.50 | 11.30 | 6.25 | 3.80 | 2.20 | 1.60 | 1.70 | | |
| 25 | 3.40 | 24.80 | 19.50 | 33.30 | 31.90 | 18.50 | 11.00 | 6.80 | 3.80 | 2.20 | 1.60 | 1.60 | | |
| 26 | 2.20 | 20.00 | 15.70 | 41.00 | 36.10 | 18.00 | 11.00 | 6.00 | 3.60 | 2.00 | 1.60 | 1.40 | | |
| 27 | 1.90 | 14.50 | 14.10 | 46.60 | 38.90 | 18.00 | 10.70 | 6.00 | 3.60 | 2.00 | 1.60 | 1.40 | | |
| 28 | 1.80 | 11.30 | 12.20 | 39.60 | 41.00 | 18.50 | 10.40 | 6.00 | 3.60 | 2.00 | 1.60 | 1.40 | | |
| 29 | 1.70 | 9.80 | 36.10 | 37.50 | 37.50 | 20.00 | 10.40 | 5.75 | 3.40 | 2.00 | | 1.40 | | |
| 30 | 2.80 | 8.60 | 78.00 | 36.10 | 34.00 | 18.00 | 10.10 | 5.75 | 3.40 | 2.00 | | 1.50 | | |
| 31 | | 8.30 | | 31.20 | 31.90 | | 9.80 | | 3.40 | 1.90 | | 1.50 | | |
| Total | 62.80 | 312.65 | 376.80 | 2177.30 | 1473.25 | 645.25 | 449.80 | 219.15 | 134.90 | 81.30 | 50.00 | 46.40 | 6029.60 | CMSDAY |
| Mean | 2.09 | 10.09 | 12.56 | 70.24 | 47.52 | 21.51 | 14.51 | 7.31 | 4.35 | 2.62 | 1.79 | 1.50 | 16.52 | CMS |
| Max | 8.00 | 47.40 | 78.00 | 320.00 | 156.50 | 29.10 | 19.00 | 9.50 | 5.50 | 3.20 | 2.00 | 3.40 | 320.00 | CMS |
| Min | 1.00 | 1.80 | 5.25 | 30.50 | 24.80 | 18.00 | 9.80 | 5.75 | 3.40 | 1.90 | 1.60 | 1.30 | 1.00 | CMS |
| Runoff | 5.43 | 27.01 | 32.56 | 188.12 | 127.29 | 55.75 | 38.86 | 18.93 | 11.66 | 7.02 | 4.32 | 4.01 | 520.96 | MCM |

Momentary Peak 466.00 CMS. at 71.88 m. (MSL.) at 09.00 Hours , on Jul 10, 2006

Runoff Yield 53.12 Liters/Second/Square KM. Momentary Peak Yield 1498.39 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Tha Khoei at Ban Kha , Ratchaburi (K.25A)

Lat 13 - 24 - 07 N Long 99 - 25 - 14 E

**Location : on right bank about 8 kilometers upstream from station K.25**

| | | | |
|---|---|---|---|
| | **Ban** Kha | **Amphoe** Ban Kha | **Changwat** Ratchaburi |
| **Drainge Area** | 367 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 1 meter from the top staff gage. | **Elevation** | +8.023 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1994 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1994 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1994 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 21 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

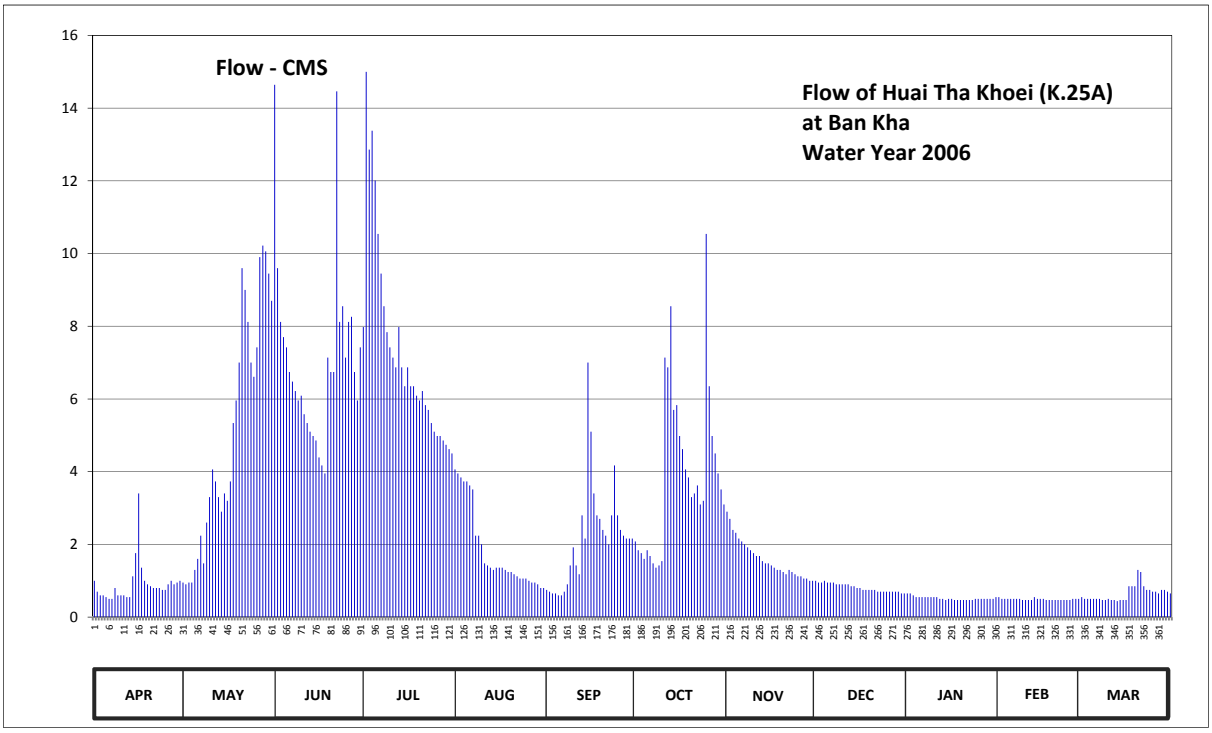
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.50 | 0.49 | 1.58 | 1.17 | 0.86 | 0.45 | 0.66 | 0.75 | 0.50 | 0.43 | 0.41 | 0.41 | |
| 2 | 0.44 | 0.48 | 1.28 | 1.60 | 0.85 | 0.44 | 0.63 | 0.73 | 0.49 | 0.43 | 0.40 | 0.40 | |
| 3 | 0.42 | 0.49 | 1.18 | 1.48 | 0.84 | 0.43 | 0.62 | 0.70 | 0.49 | 0.42 | 0.40 | 0.40 | |
| 4 | 0.42 | 0.49 | 1.15 | 1.51 | 0.83 | 0.43 | 0.60 | 0.69 | 0.50 | 0.41 | 0.40 | 0.40 | |
| 5 | 0.41 | 0.55 | 1.13 | 1.43 | 0.83 | 0.42 | 0.63 | 0.67 | 0.49 | 0.41 | 0.40 | 0.40 | |
| 6 | 0.40 | 0.60 | 1.08 | 1.34 | 0.82 | 0.42 | 0.61 | 0.66 | 0.49 | 0.41 | 0.40 | 0.40 | |
| 7 | 0.40 | 0.68 | 1.06 | 1.27 | 0.81 | 0.44 | 0.58 | 0.65 | 0.49 | 0.41 | 0.40 | 0.40 | |
| 8 | 0.46 | 0.58 | 1.04 | 1.21 | 0.68 | 0.48 | 0.56 | 0.64 | 0.48 | 0.41 | 0.40 | 0.39 | |
| 9 | 0.42 | 0.72 | 1.02 | 1.16 | 0.68 | 0.57 | 0.57 | 0.63 | 0.48 | 0.41 | 0.39 | 0.39 | |
| 10 | 0.42 | 0.79 | 1.03 | 1.13 | 0.65 | 0.64 | 0.59 | 0.62 | 0.48 | 0.41 | 0.39 | 0.40 | |
| 11 | 0.42 | 0.86 | 0.99 | 1.11 | 0.58 | 0.57 | 1.11 | 0.61 | 0.48 | 0.41 | 0.39 | 0.39 | |
| 12 | 0.41 | 0.83 | 0.97 | 1.09 | 0.57 | 0.53 | 1.09 | 0.61 | 0.48 | 0.40 | 0.39 | 0.39 | |
| 13 | 0.41 | 0.79 | 0.95 | 1.17 | 0.56 | 0.74 | 1.21 | 0.59 | 0.47 | 0.40 | 0.41 | 0.38 | |
| 14 | 0.52 | 0.75 | 0.94 | 1.09 | 0.55 | 0.67 | 1.00 | 0.58 | 0.47 | 0.39 | 0.40 | 0.39 | |
| 15 | 0.62 | 0.80 | 0.93 | 1.05 | 0.56 | 1.10 | 1.01 | 0.58 | 0.46 | 0.40 | 0.40 | 0.39 | |
| 16 | 0.80 | 0.78 | 0.89 | 1.09 | 0.56 | 0.95 | 0.94 | 0.57 | 0.46 | 0.40 | 0.40 | 0.39 | |
| 17 | 0.56 | 0.83 | 0.87 | 1.05 | 0.56 | 0.80 | 0.91 | 0.56 | 0.45 | 0.39 | 0.39 | 0.47 | |
| 18 | 0.50 | 0.97 | 0.85 | 1.05 | 0.55 | 0.74 | 0.86 | 0.55 | 0.45 | 0.39 | 0.39 | 0.47 | |
| 19 | 0.48 | 1.02 | 1.11 | 1.03 | 0.54 | 0.73 | 0.84 | 0.55 | 0.45 | 0.39 | 0.39 | 0.47 | |
| 20 | 0.47 | 1.10 | 1.08 | 1.02 | 0.54 | 0.70 | 0.79 | 0.54 | 0.45 | 0.39 | 0.39 | 0.55 | |
| 21 | 0.46 | 1.28 | 1.08 | 1.04 | 0.53 | 0.68 | 0.80 | 0.53 | 0.45 | 0.39 | 0.39 | 0.54 | |
| 22 | 0.46 | 1.24 | 1.57 | 1.01 | 0.52 | 0.65 | 0.82 | 0.55 | 0.44 | 0.39 | 0.39 | 0.47 | |
| 23 | 0.46 | 1.18 | 1.18 | 1.00 | 0.51 | 0.74 | 0.77 | 0.54 | 0.44 | 0.39 | 0.39 | 0.45 | |
| 24 | 0.45 | 1.10 | 1.21 | 0.97 | 0.51 | 0.87 | 0.78 | 0.53 | 0.44 | 0.40 | 0.39 | 0.45 | |
| 25 | 0.45 | 1.07 | 1.11 | 0.95 | 0.51 | 0.74 | 1.34 | 0.52 | 0.44 | 0.40 | 0.39 | 0.44 | |
| 26 | 0.48 | 1.13 | 1.18 | 0.94 | 0.50 | 0.70 | 1.05 | 0.52 | 0.44 | 0.40 | 0.40 | 0.44 | |
| 27 | 0.50 | 1.30 | 1.19 | 0.94 | 0.49 | 0.68 | 0.94 | 0.51 | 0.44 | 0.40 | 0.40 | 0.43 | |
| 28 | 0.48 | 1.32 | 1.08 | 0.93 | 0.49 | 0.67 | 0.90 | 0.51 | 0.44 | 0.40 | 0.40 | 0.45 | |
| 29 | 0.49 | 1.31 | 1.02 | 0.92 | 0.48 | 0.67 | 0.85 | 0.50 | 0.44 | 0.40 | | 0.45 | |
| 30 | 0.50 | 1.27 | 1.13 | 0.91 | 0.46 | 0.67 | 0.81 | 0.50 | 0.43 | 0.40 | | 0.44 | |
| 31 | | 1.22 | | 0.90 | 0.46 | | 0.77 | | 0.43 | 0.41 | | 0.43 | |
| Mean | 0.47 | 0.90 | 1.10 | 1.11 | 0.61 | 0.64 | 0.83 | 0.59 | 0.46 | 0.40 | 0.40 | 0.43 | |
| Max | 0.80 | 1.32 | 1.58 | 1.60 | 0.86 | 1.10 | 1.34 | 0.75 | 0.50 | 0.43 | 0.41 | 0.55 | 1.60 |
| Min | 0.40 | 0.48 | 0.85 | 0.90 | 0.46 | 0.42 | 0.56 | 0.50 | 0.43 | 0.39 | 0.39 | 0.38 | 0.38 |

Annual Max Momentary Gage Height 1.89 m. (A.D.) , at 18.00 Hours , on May 27, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed 0.09 m. (A.D.) ,

Left Bank Elevation 5.22 m. (A.D.) ,

Right Bank Elevation 5.29 m. (A.D.) , Drainage Are 367 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.00 | 0.95 | 14.64 | 7.98 | 4.06 | 0.75 | 2.08 | 2.90 | 1.00 | 0.65 | 0.55 | 0.55 | | |
| 2 | 0.70 | 0.90 | 9.60 | 15.00 | 3.95 | 0.70 | 1.84 | 2.70 | 0.95 | 0.65 | 0.50 | 0.50 | | |
| 3 | 0.60 | 0.95 | 8.12 | 12.86 | 3.84 | 0.65 | 1.76 | 2.40 | 0.95 | 0.60 | 0.50 | 0.50 | | |
| 4 | 0.60 | 0.95 | 7.70 | 13.38 | 3.73 | 0.65 | 1.60 | 2.32 | 1.00 | 0.55 | 0.50 | 0.50 | | |
| 5 | 0.55 | 1.30 | 7.42 | 12.01 | 3.73 | 0.60 | 1.84 | 2.16 | 0.95 | 0.55 | 0.50 | 0.50 | | |
| 6 | 0.50 | 1.60 | 6.74 | 10.54 | 3.62 | 0.60 | 1.68 | 2.08 | 0.95 | 0.55 | 0.50 | 0.50 | | |
| 7 | 0.50 | 2.24 | 6.48 | 9.45 | 3.51 | 0.70 | 1.48 | 2.00 | 0.95 | 0.55 | 0.50 | 0.50 | | |
| 8 | 0.80 | 1.48 | 6.22 | 8.55 | 2.24 | 0.90 | 1.36 | 1.92 | 0.90 | 0.55 | 0.50 | 0.47 | | |
| 9 | 0.60 | 2.60 | 5.96 | 7.84 | 2.24 | 1.42 | 1.42 | 1.84 | 0.90 | 0.55 | 0.47 | 0.47 | | |
| 10 | 0.60 | 3.30 | 6.09 | 7.42 | 2.00 | 1.92 | 1.54 | 1.76 | 0.90 | 0.55 | 0.47 | 0.50 | | |
| 11 | 0.60 | 4.06 | 5.58 | 7.14 | 1.48 | 1.42 | 7.14 | 1.68 | 0.90 | 0.55 | 0.47 | 0.47 | | |
| 12 | 0.55 | 3.73 | 5.34 | 6.87 | 1.42 | 1.18 | 6.87 | 1.68 | 0.90 | 0.50 | 0.47 | 0.47 | | |
| 13 | 0.55 | 3.30 | 5.10 | 7.98 | 1.36 | 2.80 | 8.55 | 1.54 | 0.85 | 0.50 | 0.55 | 0.44 | | |
| 14 | 1.12 | 2.90 | 4.98 | 6.87 | 1.30 | 2.16 | 5.70 | 1.48 | 0.85 | 0.47 | 0.50 | 0.47 | | |
| 15 | 1.76 | 3.40 | 4.86 | 6.35 | 1.36 | 7.00 | 5.83 | 1.48 | 0.80 | 0.50 | 0.50 | 0.47 | | |
| 16 | 3.40 | 3.20 | 4.39 | 6.87 | 1.36 | 5.10 | 4.98 | 1.42 | 0.80 | 0.50 | 0.50 | 0.47 | | |
| 17 | 1.36 | 3.73 | 4.17 | 6.35 | 1.36 | 3.40 | 4.62 | 1.36 | 0.75 | 0.47 | 0.47 | 0.85 | | |
| 18 | 1.00 | 5.34 | 3.95 | 6.35 | 1.30 | 2.80 | 4.06 | 1.30 | 0.75 | 0.47 | 0.47 | 0.85 | | |
| 19 | 0.90 | 5.96 | 7.14 | 6.09 | 1.24 | 2.70 | 3.84 | 1.30 | 0.75 | 0.47 | 0.47 | 0.85 | | |
| 20 | 0.85 | 7.00 | 6.74 | 5.96 | 1.24 | 2.40 | 3.30 | 1.24 | 0.75 | 0.47 | 0.47 | 1.30 | | |
| 21 | 0.80 | 9.60 | 6.74 | 6.22 | 1.18 | 2.24 | 3.40 | 1.18 | 0.75 | 0.47 | 0.47 | 1.24 | | |
| 22 | 0.80 | 9.00 | 14.46 | 5.83 | 1.12 | 2.00 | 3.62 | 1.30 | 0.70 | 0.47 | 0.47 | 0.85 | | |
| 23 | 0.80 | 8.12 | 8.12 | 5.70 | 1.06 | 2.80 | 3.10 | 1.24 | 0.70 | 0.47 | 0.47 | 0.75 | | |
| 24 | 0.75 | 7.00 | 8.55 | 5.34 | 1.06 | 4.17 | 3.20 | 1.18 | 0.70 | 0.50 | 0.47 | 0.75 | | |
| 25 | 0.75 | 6.61 | 7.14 | 5.10 | 1.06 | 2.80 | 10.54 | 1.12 | 0.70 | 0.50 | 0.47 | 0.70 | | |
| 26 | 0.90 | 7.42 | 8.12 | 4.98 | 1.00 | 2.40 | 6.35 | 1.12 | 0.70 | 0.50 | 0.50 | 0.70 | | |
| 27 | 1.00 | 9.90 | 8.26 | 4.98 | 0.95 | 2.24 | 4.98 | 1.06 | 0.70 | 0.50 | 0.50 | 0.65 | | |
| 28 | 0.90 | 10.22 | 6.74 | 4.86 | 0.95 | 2.16 | 4.50 | 1.06 | 0.70 | 0.50 | 0.50 | 0.75 | | |
| 29 | 0.95 | 10.06 | 5.96 | 4.74 | 0.90 | 2.16 | 3.95 | 1.00 | 0.70 | 0.50 | | 0.75 | | |
| 30 | 1.00 | 9.45 | 7.42 | 4.62 | 0.80 | 2.16 | 3.51 | 1.00 | 0.65 | 0.50 | | 0.70 | | |
| 31 | | 8.70 | | 4.50 | 0.80 | | 3.10 | | 0.65 | 0.55 | | 0.65 | | |
| Total | 27.19 | 154.97 | 212.73 | 228.73 | 57.22 | 64.98 | 121.74 | 47.82 | 25.20 | 16.11 | 13.71 | 20.12 | 990.52 | CMSDAY |
| Mean | 0.91 | 5.00 | 7.09 | 7.38 | 1.85 | 2.17 | 3.93 | 1.59 | 0.81 | 0.52 | 0.49 | 0.65 | 2.71 | CMS |
| Max | 3.40 | 10.22 | 14.64 | 15.00 | 4.06 | 7.00 | 10.54 | 2.90 | 1.00 | 0.65 | 0.55 | 1.30 | 15.00 | CMS |
| Min | 0.50 | 0.90 | 3.95 | 4.50 | 0.80 | 0.60 | 1.36 | 1.00 | 0.65 | 0.47 | 0.47 | 0.44 | 0.44 | CMS |
| Runoff | 2.35 | 13.39 | 18.38 | 19.76 | 4.94 | 5.61 | 10.52 | 4.13 | 2.18 | 1.39 | 1.18 | 1.74 | 85.58 | MCM |

Momentary Peak 21.16 CMS. at 1.89 m. (A.D.) at 18.00 Hours , on May 27, 2006

Runoff Yield 7.39 Liters/Second/Square KM. Momentary Peak Yield 57.66 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Nam Lo at Ban Sai Yok , Kanchanaburi (K.30)

Lat 14 - 26 - 27 N Long 98 - 47 - 48 E

**Location : on left bank about 1 kilometer downstream from station K.22A**

| | | | |
|---|---|---|---|
| | **Ban** Sai Yok | **Amphoe** Sai Yok | **Changwat** Kanchanaburi |
| **Drainge Area** | 466 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +68.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 30 meters from the top staff gage. | **Elevation** +77.305 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1994 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1994 to date | | |
| **Stability of Channel Regimes** | Rather unstable with variable water surface slope. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 41 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

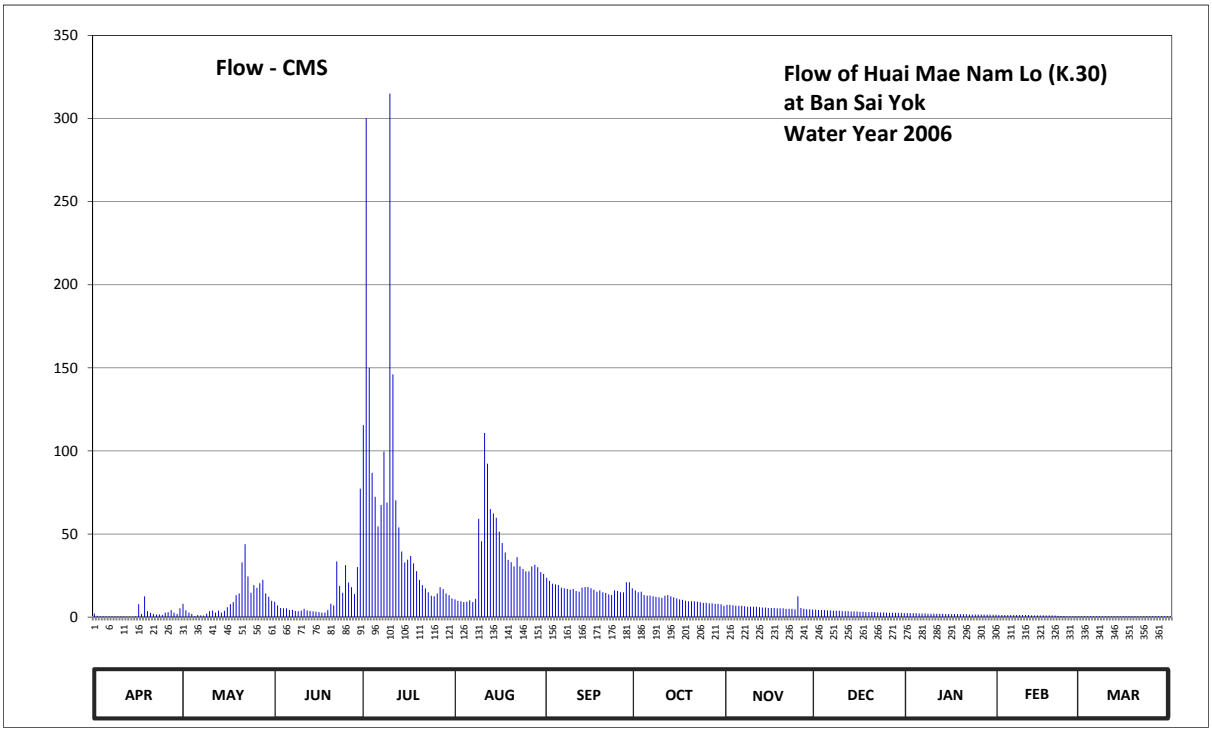
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 68.44 | 68.74 | 68.79 | 70.55 | 68.84 | 68.87 | 68.69 | 68.43 | 68.32 | 68.22 | 68.15 | 68.09 | |
| 2 | 68.33 | 68.57 | 68.70 | 72.24 | 68.81 | 68.83 | 68.66 | 68.43 | 68.31 | 68.22 | 68.15 | 68.09 | |
| 3 | 68.30 | 68.48 | 68.64 | 70.92 | 68.80 | 68.79 | 68.67 | 68.42 | 68.31 | 68.22 | 68.15 | 68.08 | |
| 4 | 68.29 | 68.43 | 68.63 | 70.21 | 68.78 | 68.78 | 68.62 | 68.41 | 68.31 | 68.22 | 68.15 | 68.08 | |
| 5 | 68.27 | 68.31 | 68.63 | 70.02 | 68.79 | 68.77 | 68.61 | 68.41 | 68.30 | 68.21 | 68.15 | 68.08 | |
| 6 | 68.27 | 68.37 | 68.59 | 69.76 | 68.82 | 68.73 | 68.61 | 68.41 | 68.30 | 68.21 | 68.15 | 68.08 | |
| 7 | 68.26 | 68.36 | 68.59 | 69.95 | 68.78 | 68.72 | 68.60 | 68.40 | 68.29 | 68.21 | 68.15 | 68.08 | |
| 8 | 68.26 | 68.35 | 68.55 | 70.37 | 68.85 | 68.71 | 68.59 | 68.39 | 68.29 | 68.20 | 68.15 | 68.08 | |
| 9 | 68.26 | 68.44 | 68.54 | 69.97 | 69.83 | 68.70 | 68.58 | 68.39 | 68.29 | 68.20 | 68.15 | 68.08 | |
| 10 | 68.26 | 68.54 | 68.56 | 72.35 | 69.61 | 68.71 | 68.57 | 68.39 | 68.28 | 68.20 | 68.15 | 68.08 | |
| 11 | 68.25 | 68.56 | 68.62 | 70.88 | 70.17 | 68.68 | 68.61 | 68.39 | 68.28 | 68.20 | 68.15 | 68.07 | |
| 12 | 68.24 | 68.48 | 68.57 | 69.99 | 69.96 | 68.67 | 68.62 | 68.38 | 68.28 | 68.20 | 68.14 | 68.07 | |
| 13 | 68.23 | 68.56 | 68.55 | 69.75 | 69.60 | 68.73 | 68.60 | 68.37 | 68.27 | 68.20 | 68.14 | 68.07 | |
| 14 | 68.23 | 68.48 | 68.53 | 69.50 | 69.56 | 68.74 | 68.58 | 68.37 | 68.27 | 68.19 | 68.14 | 68.07 | |
| 15 | 68.30 | 68.55 | 68.52 | 69.38 | 69.52 | 68.74 | 68.56 | 68.36 | 68.27 | 68.19 | 68.14 | 68.07 | |
| 16 | 68.73 | 68.66 | 68.50 | 69.41 | 69.39 | 68.72 | 68.54 | 68.36 | 68.26 | 68.19 | 68.14 | 68.07 | |
| 17 | 68.43 | 68.73 | 68.48 | 69.45 | 69.27 | 68.70 | 68.53 | 68.36 | 68.26 | 68.19 | 68.14 | 68.07 | |
| 18 | 68.90 | 68.78 | 68.48 | 69.37 | 69.17 | 68.67 | 68.51 | 68.35 | 68.25 | 68.19 | 68.14 | 68.07 | |
| 19 | 68.54 | 68.92 | 68.58 | 69.28 | 69.09 | 68.69 | 68.50 | 68.35 | 68.25 | 68.18 | 68.14 | 68.07 | |
| 20 | 68.47 | 68.95 | 68.74 | 69.16 | 69.06 | 68.66 | 68.50 | 68.35 | 68.25 | 68.18 | 68.13 | 68.07 | |
| 21 | 68.43 | 69.38 | 68.70 | 69.08 | 69.01 | 68.65 | 68.50 | 68.34 | 68.25 | 68.18 | 68.12 | 68.06 | |
| 22 | 68.40 | 69.58 | 69.39 | 69.03 | 69.12 | 68.63 | 68.49 | 68.34 | 68.24 | 68.17 | 68.11 | 68.07 | |
| 23 | 68.41 | 69.21 | 69.07 | 68.97 | 69.01 | 68.62 | 68.48 | 68.34 | 68.24 | 68.17 | 68.11 | 68.07 | |
| 24 | 68.37 | 68.96 | 68.96 | 68.91 | 68.98 | 68.69 | 68.47 | 68.33 | 68.24 | 68.17 | 68.10 | 68.07 | |
| 25 | 68.48 | 69.08 | 69.35 | 68.90 | 68.95 | 68.68 | 68.47 | 68.60 | 68.23 | 68.17 | 68.10 | 68.07 | |
| 26 | 68.50 | 69.04 | 69.12 | 68.95 | 68.95 | 68.66 | 68.46 | 68.36 | 68.23 | 68.17 | 68.09 | 68.07 | |
| 27 | 68.58 | 69.11 | 69.05 | 69.05 | 69.01 | 68.66 | 68.46 | 68.34 | 68.23 | 68.17 | 68.09 | 68.07 | |
| 28 | 68.48 | 69.16 | 68.94 | 69.02 | 69.03 | 68.81 | 68.45 | 68.33 | 68.23 | 68.17 | 68.09 | 68.07 | |
| 29 | 68.43 | 68.95 | 69.33 | 68.95 | 69.00 | 68.81 | 68.45 | 68.33 | 68.23 | 68.16 | | 68.07 | |
| 30 | 68.63 | 68.89 | 70.09 | 68.92 | 68.94 | 68.72 | 68.44 | 68.32 | 68.23 | 68.16 | | 68.07 | |
| 31 | | 68.81 | | 68.86 | 68.92 | | 68.41 | | 68.22 | 68.16 | | 68.07 | |
| Mean | 68.40 | 68.76 | 68.79 | 69.71 | 69.15 | 68.72 | 68.54 | 68.38 | 68.26 | 68.19 | 68.13 | 68.07 | |
| Max | 68.90 | 69.58 | 70.09 | 72.35 | 70.17 | 68.87 | 68.69 | 68.60 | 68.32 | 68.22 | 68.15 | 68.09 | 72.35 |
| Min | 68.23 | 68.31 | 68.48 | 68.86 | 68.78 | 68.62 | 68.41 | 68.32 | 68.22 | 68.16 | 68.09 | 68.06 | 68.06 |

Annual Max Momentary Gage Height 72.95 m. (MSL.) , at 06.00 Hours , on Jul 10, 2006

Zero Gage at Bottom Elevation 68.00 m. (MSL.) , River Bed 67.50 m. (MSL.)

Left Bank Elevation 73.13 m. (MSL.) ,

Right Bank Elevation 79.87 m. (MSL.) , Drainage Are 466 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.10 | 8.00 | 9.25 | 115.50 | 10.70 | 23.65 | 16.10 | 7.40 | 4.50 | 2.40 | 1.25 | 0.48 | | |
| 2 | 0.80 | 4.05 | 7.00 | 300.20 | 9.80 | 21.85 | 14.90 | 7.40 | 4.25 | 2.40 | 1.25 | 0.48 | | |
| 3 | 0.50 | 2.70 | 5.50 | 150.00 | 9.50 | 20.10 | 15.30 | 7.10 | 4.25 | 2.40 | 1.25 | 0.46 | | |
| 4 | 0.47 | 1.95 | 5.25 | 86.80 | 9.00 | 19.70 | 13.30 | 6.80 | 4.25 | 2.40 | 1.25 | 0.46 | | |
| 5 | 0.41 | 0.60 | 5.25 | 72.40 | 9.25 | 19.30 | 12.90 | 6.80 | 4.00 | 2.20 | 1.25 | 0.46 | | |
| 6 | 0.41 | 1.20 | 4.35 | 54.60 | 10.10 | 17.70 | 12.90 | 6.80 | 4.00 | 2.20 | 1.25 | 0.46 | | |
| 7 | 0.38 | 1.10 | 4.35 | 67.50 | 9.00 | 17.30 | 12.50 | 6.50 | 3.80 | 2.20 | 1.25 | 0.46 | | |
| 8 | 0.38 | 1.00 | 3.75 | 99.60 | 11.00 | 16.90 | 12.20 | 6.25 | 3.80 | 2.00 | 1.25 | 0.46 | | |
| 9 | 0.38 | 2.10 | 3.60 | 68.90 | 59.10 | 16.50 | 11.90 | 6.25 | 3.80 | 2.00 | 1.25 | 0.46 | | |
| 10 | 0.38 | 3.60 | 3.90 | 315.00 | 45.60 | 16.90 | 11.60 | 6.25 | 3.60 | 2.00 | 1.25 | 0.46 | | |
| 11 | 0.35 | 3.90 | 5.00 | 146.00 | 110.80 | 15.70 | 12.90 | 6.25 | 3.60 | 2.00 | 1.25 | 0.44 | | |
| 12 | 0.32 | 2.70 | 4.05 | 70.30 | 92.30 | 15.30 | 13.30 | 6.00 | 3.60 | 2.00 | 1.10 | 0.44 | | |
| 13 | 0.29 | 3.90 | 3.75 | 54.00 | 65.00 | 17.70 | 12.50 | 5.75 | 3.40 | 2.00 | 1.10 | 0.44 | | |
| 14 | 0.29 | 2.70 | 3.45 | 39.50 | 62.40 | 18.10 | 11.90 | 5.75 | 3.40 | 1.85 | 1.10 | 0.44 | | |
| 15 | 0.50 | 3.75 | 3.30 | 32.90 | 59.80 | 18.10 | 11.30 | 5.50 | 3.40 | 1.85 | 1.10 | 0.44 | | |
| 16 | 7.75 | 6.00 | 3.00 | 34.55 | 51.43 | 17.30 | 10.70 | 5.50 | 3.20 | 1.85 | 1.10 | 0.44 | | |
| 17 | 1.95 | 7.75 | 2.70 | 36.75 | 44.53 | 16.50 | 10.40 | 5.50 | 3.20 | 1.85 | 1.10 | 0.44 | | |
| 18 | 12.50 | 9.00 | 2.70 | 32.35 | 38.85 | 15.30 | 9.80 | 5.25 | 3.00 | 1.85 | 1.10 | 0.44 | | |
| 19 | 3.60 | 13.20 | 4.20 | 27.60 | 34.50 | 16.10 | 9.50 | 5.25 | 3.00 | 1.70 | 1.10 | 0.44 | | |
| 20 | 2.55 | 14.25 | 8.00 | 22.40 | 33.00 | 14.90 | 9.50 | 5.25 | 3.00 | 1.70 | 0.95 | 0.44 | | |
| 21 | 1.95 | 32.90 | 7.00 | 19.20 | 30.50 | 14.50 | 9.50 | 5.00 | 3.00 | 1.70 | 0.80 | 0.42 | | |
| 22 | 1.50 | 43.90 | 33.45 | 17.20 | 36.10 | 13.70 | 9.20 | 5.00 | 2.80 | 1.55 | 0.65 | 0.44 | | |
| 23 | 1.65 | 24.45 | 18.80 | 14.95 | 30.50 | 13.30 | 8.90 | 5.00 | 2.80 | 1.55 | 0.65 | 0.44 | | |
| 24 | 1.20 | 14.60 | 14.60 | 12.85 | 29.00 | 16.10 | 8.60 | 4.75 | 2.80 | 1.55 | 0.50 | 0.44 | | |
| 25 | 2.70 | 19.20 | 31.25 | 12.50 | 27.50 | 15.70 | 8.60 | 12.50 | 2.60 | 1.55 | 0.50 | 0.44 | | |
| 26 | 3.00 | 17.60 | 20.80 | 14.25 | 27.50 | 14.90 | 8.30 | 5.50 | 2.60 | 1.55 | 0.48 | 0.44 | | |
| 27 | 4.20 | 20.40 | 18.00 | 18.00 | 30.50 | 14.90 | 8.30 | 5.00 | 2.60 | 1.55 | 0.48 | 0.44 | | |
| 28 | 2.70 | 22.40 | 13.90 | 16.80 | 31.50 | 20.95 | 8.00 | 4.75 | 2.60 | 1.55 | 0.48 | 0.44 | | |
| 29 | 1.95 | 14.25 | 30.15 | 14.25 | 30.00 | 20.95 | 8.00 | 4.75 | 2.60 | 1.40 | | 0.44 | | |
| 30 | 5.25 | 12.20 | 77.30 | 13.20 | 27.00 | 17.30 | 7.70 | 4.50 | 2.60 | 1.40 | | 0.44 | | |
| 31 | | 9.80 | | 11.30 | 26.00 | | 6.80 | | 2.40 | 1.40 | | 0.44 | | |
| Total | 62.41 | 325.15 | 357.60 | 1991.35 | 1101.76 | 517.20 | 337.30 | 180.30 | 102.45 | 57.60 | 28.04 | 13.86 | 5075.02 | CMSDAY |
| Mean | 2.08 | 10.49 | 11.92 | 64.24 | 35.54 | 17.24 | 10.88 | 6.01 | 3.30 | 1.86 | 1.00 | 0.45 | 13.90 | CMS |
| Max | 12.50 | 43.90 | 77.30 | 315.00 | 110.80 | 23.65 | 16.10 | 12.50 | 4.50 | 2.40 | 1.25 | 0.48 | 315.00 | CMS |
| Min | 0.29 | 0.60 | 2.70 | 11.30 | 9.00 | 13.30 | 6.80 | 4.50 | 2.40 | 1.40 | 0.48 | 0.42 | 0.29 | CMS |
| Runoff | 5.39 | 28.09 | 30.90 | 172.05 | 95.19 | 44.69 | 29.14 | 15.58 | 8.85 | 4.98 | 2.42 | 1.20 | 438.48 | MCM |

Momentary Peak 404.50 CMS. at 72.95 m. (MSL.) at 06.00 Hours , on Jul 10, 2006

Runoff Yield 29.84 Liters/Second/Square KM. Momentary Peak Yield 868.03 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Nam Noi at Ban Nam Chon , Kanchanaburi (K.31)

Lat 14 - 26 - 04 N Long 98 - 49 - 20 E

**Location : on right bank about 2 kilometers downstream from station K.22A**

| | | | |
|---|---|---|---|
| | **Ban** Nam Chon | **Amphoe** Sai Yok | **Changwat** Kanchanaburi |
| **Drainge Area** | 799 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +62.720 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 5 meters from the top staff gage. | | **Elevation** +70.537 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1989 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1989 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +67.860 m.(MSL.)and is including overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 50 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

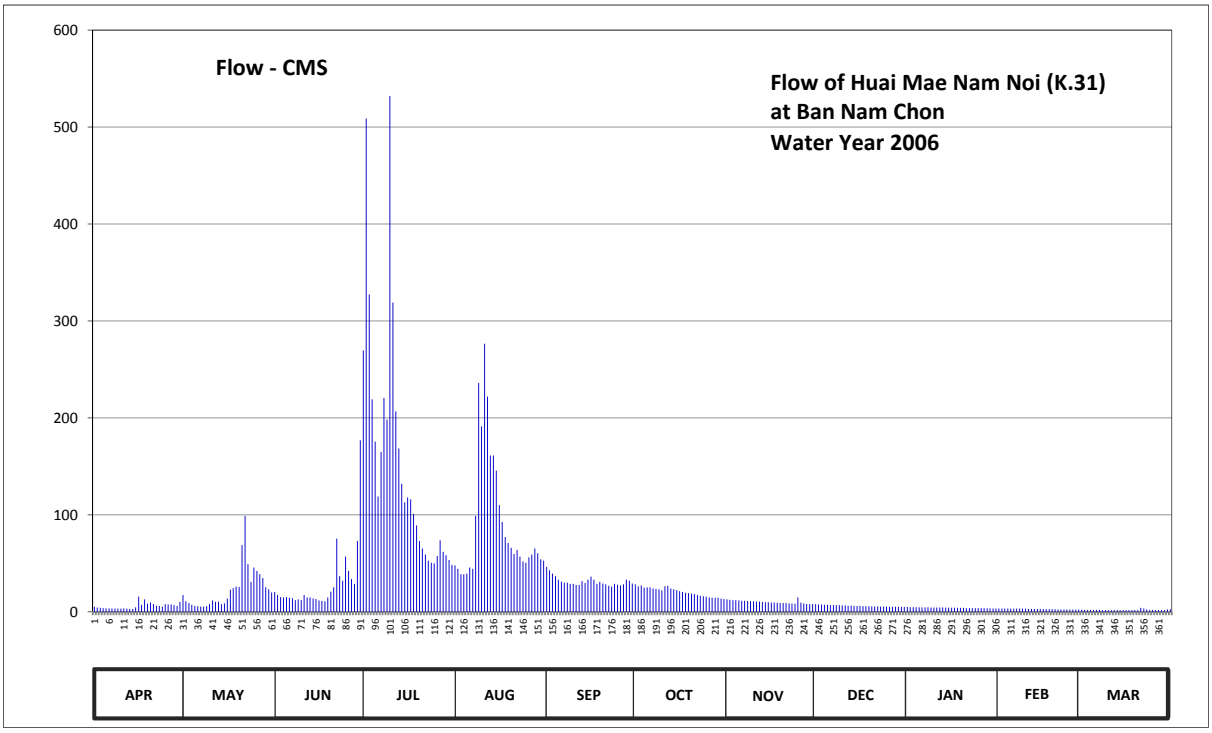
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 65.86 | 66.23 | 66.31 | 68.94 | 66.84 | 66.82 | 66.51 | 66.12 | 65.96 | 65.85 | 65.77 | 65.71 | |
| 2 | 65.82 | 66.06 | 66.23 | 70.33 | 66.79 | 66.77 | 66.46 | 66.11 | 65.95 | 65.84 | 65.77 | 65.70 | |
| 3 | 65.80 | 66.00 | 66.18 | 69.32 | 66.71 | 66.72 | 66.48 | 66.10 | 65.95 | 65.84 | 65.77 | 65.70 | |
| 4 | 65.79 | 65.94 | 66.17 | 68.58 | 66.71 | 66.68 | 66.42 | 66.10 | 65.94 | 65.84 | 65.77 | 65.69 | |
| 5 | 65.78 | 65.90 | 66.18 | 68.23 | 66.72 | 66.62 | 66.43 | 66.09 | 65.94 | 65.83 | 65.76 | 65.69 | |
| 6 | 65.77 | 65.89 | 66.16 | 67.71 | 66.81 | 66.58 | 66.43 | 66.08 | 65.93 | 65.83 | 65.76 | 65.69 | |
| 7 | 65.77 | 65.87 | 66.15 | 68.14 | 66.79 | 66.55 | 66.40 | 66.08 | 65.93 | 65.83 | 65.76 | 65.69 | |
| 8 | 65.77 | 65.86 | 66.10 | 68.59 | 67.51 | 66.55 | 66.39 | 66.07 | 65.93 | 65.83 | 65.76 | 65.68 | |
| 9 | 65.76 | 65.89 | 66.12 | 68.42 | 68.70 | 66.52 | 66.38 | 66.06 | 65.93 | 65.82 | 65.76 | 65.68 | |
| 10 | 65.76 | 65.97 | 66.10 | 70.45 | 68.36 | 66.52 | 66.35 | 66.06 | 65.92 | 65.82 | 65.76 | 65.68 | |
| 11 | 65.77 | 66.09 | 66.23 | 69.27 | 68.99 | 66.49 | 66.46 | 66.05 | 65.92 | 65.82 | 65.75 | 65.68 | |
| 12 | 65.76 | 66.04 | 66.17 | 68.49 | 68.60 | 66.49 | 66.47 | 66.05 | 65.91 | 65.82 | 65.75 | 65.68 | |
| 13 | 65.75 | 66.05 | 66.17 | 68.17 | 68.11 | 66.59 | 66.40 | 66.04 | 65.91 | 65.82 | 65.75 | 65.68 | |
| 14 | 65.75 | 65.96 | 66.14 | 67.84 | 68.11 | 66.54 | 66.38 | 66.03 | 65.90 | 65.81 | 65.75 | 65.68 | |
| 15 | 65.83 | 65.99 | 66.13 | 67.65 | 67.97 | 66.62 | 66.36 | 66.03 | 65.90 | 65.81 | 65.75 | 65.68 | |
| 16 | 66.19 | 66.14 | 66.09 | 67.70 | 67.62 | 66.67 | 66.33 | 66.02 | 65.90 | 65.81 | 65.74 | 65.68 | |
| 17 | 65.94 | 66.37 | 66.07 | 67.68 | 67.44 | 66.62 | 66.31 | 66.02 | 65.89 | 65.81 | 65.74 | 65.68 | |
| 18 | 66.12 | 66.41 | 66.06 | 67.53 | 67.25 | 66.52 | 66.29 | 66.01 | 65.89 | 65.80 | 65.74 | 65.67 | |
| 19 | 65.98 | 66.45 | 66.17 | 67.40 | 67.17 | 66.57 | 66.28 | 66.00 | 65.89 | 65.80 | 65.74 | 65.67 | |
| 20 | 66.02 | 66.44 | 66.32 | 67.20 | 67.10 | 66.53 | 66.27 | 66.00 | 65.88 | 65.80 | 65.73 | 65.67 | |
| 21 | 65.97 | 67.14 | 66.43 | 67.09 | 67.01 | 66.51 | 66.26 | 66.00 | 65.88 | 65.79 | 65.72 | 65.80 | |
| 22 | 65.91 | 67.51 | 67.23 | 67.00 | 67.07 | 66.47 | 66.23 | 65.99 | 65.88 | 65.79 | 65.72 | 65.77 | |
| 23 | 65.90 | 66.86 | 66.68 | 66.91 | 66.97 | 66.45 | 66.21 | 65.98 | 65.87 | 65.79 | 65.72 | 65.72 | |
| 24 | 65.86 | 66.57 | 66.60 | 66.88 | 66.90 | 66.52 | 66.20 | 65.98 | 65.87 | 65.79 | 65.72 | 65.70 | |
| 25 | 65.96 | 66.81 | 66.97 | 66.87 | 66.88 | 66.50 | 66.19 | 66.17 | 65.87 | 65.79 | 65.72 | 65.69 | |
| 26 | 65.95 | 66.76 | 66.76 | 66.98 | 66.96 | 66.48 | 66.17 | 66.02 | 65.86 | 65.79 | 65.71 | 65.68 | |
| 27 | 65.95 | 66.71 | 66.63 | 67.21 | 67.00 | 66.51 | 66.16 | 65.99 | 65.86 | 65.79 | 65.71 | 65.68 | |
| 28 | 65.93 | 66.65 | 66.52 | 67.04 | 67.09 | 66.62 | 66.16 | 65.97 | 65.86 | 65.78 | 65.71 | 65.67 | |
| 29 | 65.90 | 66.43 | 67.20 | 66.99 | 67.02 | 66.60 | 66.16 | 65.96 | 65.86 | 65.78 | | 65.67 | |
| 30 | 66.04 | 66.38 | 68.24 | 66.92 | 66.93 | 66.53 | 66.14 | 65.96 | 65.85 | 65.77 | | 65.72 | |
| 31 | | 66.30 | | 66.85 | 66.91 | | 66.13 | | 65.85 | 65.77 | | 65.73 | |
| Mean | 65.88 | 66.31 | 66.42 | 67.88 | 67.32 | 66.57 | 66.32 | 66.04 | 65.90 | 65.81 | 65.74 | 65.69 | |
| Max | 66.19 | 67.51 | 68.24 | 70.45 | 68.99 | 66.82 | 66.51 | 66.17 | 65.96 | 65.85 | 65.77 | 65.80 | 70.45 |
| Min | 65.75 | 65.86 | 66.06 | 66.85 | 66.71 | 66.45 | 66.13 | 65.96 | 65.85 | 65.77 | 65.71 | 65.67 | 65.67 |

Annual Max Momentary Gage Height 71.78 m. (MSL.) , at 09.00 Hours , on Jul 10 , 2006

Zero Gage at Bottom Elevation 62.72 m. (MSL.) , River Bed 64.99 m. (MSL.)

Left Bank Elevation 77.60 m. (MSL.) ,

Right Bank Elevation 67.85 m. (MSL.) , Drainage Are 799 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.20 | 17.20 | 20.40 | 269.60 | 47.80 | 46.40 | 28.40 | 12.80 | 7.80 | 5.00 | 3.40 | 2.20 | | |
| 2 | 4.40 | 10.80 | 17.20 | 508.70 | 44.30 | 42.90 | 26.40 | 12.40 | 7.50 | 4.80 | 3.40 | 2.00 | | |
| 3 | 4.00 | 9.00 | 15.20 | 327.40 | 38.70 | 39.40 | 27.20 | 12.00 | 7.50 | 4.80 | 3.40 | 2.00 | | |
| 4 | 3.80 | 7.20 | 14.80 | 219.20 | 38.70 | 36.80 | 24.80 | 12.00 | 7.20 | 4.80 | 3.40 | 1.90 | | |
| 5 | 3.60 | 6.00 | 15.20 | 175.60 | 39.40 | 33.20 | 25.20 | 11.70 | 7.20 | 4.60 | 3.20 | 1.90 | | |
| 6 | 3.40 | 5.80 | 14.40 | 119.00 | 45.70 | 31.20 | 25.20 | 11.40 | 6.90 | 4.60 | 3.20 | 1.90 | | |
| 7 | 3.40 | 5.40 | 14.00 | 164.80 | 44.30 | 30.00 | 24.00 | 11.40 | 6.90 | 4.60 | 3.20 | 1.90 | | |
| 8 | 3.40 | 5.20 | 12.00 | 220.60 | 99.00 | 30.00 | 23.60 | 11.10 | 6.90 | 4.60 | 3.20 | 1.80 | | |
| 9 | 3.20 | 5.80 | 12.80 | 198.40 | 236.00 | 28.80 | 23.20 | 10.80 | 6.90 | 4.40 | 3.20 | 1.80 | | |
| 10 | 3.20 | 8.10 | 12.00 | 532.00 | 191.20 | 28.80 | 22.00 | 10.80 | 6.60 | 4.40 | 3.20 | 1.80 | | |
| 11 | 3.40 | 11.70 | 17.20 | 318.90 | 276.60 | 27.60 | 26.40 | 10.50 | 6.60 | 4.40 | 3.00 | 1.80 | | |
| 12 | 3.20 | 10.20 | 14.80 | 206.80 | 222.00 | 27.60 | 26.80 | 10.50 | 6.30 | 4.40 | 3.00 | 1.80 | | |
| 13 | 3.00 | 10.50 | 14.80 | 168.40 | 161.20 | 31.60 | 24.00 | 10.20 | 6.30 | 4.40 | 3.00 | 1.80 | | |
| 14 | 3.00 | 7.80 | 13.60 | 132.00 | 161.20 | 29.60 | 23.20 | 9.90 | 6.00 | 4.20 | 3.00 | 1.80 | | |
| 15 | 4.60 | 8.70 | 13.20 | 113.00 | 145.70 | 33.20 | 22.40 | 9.90 | 6.00 | 4.20 | 3.00 | 1.80 | | |
| 16 | 15.60 | 13.60 | 11.70 | 118.00 | 110.00 | 36.20 | 21.20 | 9.60 | 6.00 | 4.20 | 2.80 | 1.80 | | |
| 17 | 7.20 | 22.80 | 11.10 | 116.00 | 92.60 | 33.20 | 20.40 | 9.60 | 5.80 | 4.20 | 2.80 | 1.80 | | |
| 18 | 12.80 | 24.40 | 10.80 | 101.00 | 77.00 | 28.80 | 19.60 | 9.30 | 5.80 | 4.00 | 2.80 | 1.70 | | |
| 19 | 8.40 | 26.00 | 14.80 | 89.00 | 70.90 | 30.80 | 19.20 | 9.00 | 5.80 | 4.00 | 2.80 | 1.70 | | |
| 20 | 9.60 | 25.60 | 20.80 | 73.00 | 66.00 | 29.20 | 18.80 | 9.00 | 5.60 | 4.00 | 2.60 | 1.70 | | |
| 21 | 8.10 | 68.80 | 25.20 | 65.30 | 59.70 | 28.40 | 18.40 | 9.00 | 5.60 | 3.80 | 2.40 | 4.00 | | |
| 22 | 6.30 | 99.00 | 75.40 | 59.00 | 63.90 | 26.80 | 17.20 | 8.70 | 5.60 | 3.80 | 2.40 | 3.40 | | |
| 23 | 6.00 | 49.20 | 36.80 | 52.70 | 56.90 | 26.00 | 16.40 | 8.40 | 5.40 | 3.80 | 2.40 | 2.40 | | |
| 24 | 5.20 | 30.80 | 32.00 | 50.60 | 52.00 | 28.80 | 16.00 | 8.40 | 5.40 | 3.80 | 2.40 | 2.00 | | |
| 25 | 7.80 | 45.70 | 56.90 | 49.90 | 50.60 | 28.00 | 15.60 | 14.80 | 5.40 | 3.80 | 2.40 | 1.90 | | |
| 26 | 7.50 | 42.20 | 42.20 | 57.60 | 56.20 | 27.20 | 14.80 | 9.60 | 5.20 | 3.80 | 2.20 | 1.80 | | |
| 27 | 7.50 | 38.70 | 33.80 | 73.80 | 59.00 | 28.40 | 14.40 | 8.70 | 5.20 | 3.80 | 2.20 | 1.80 | | |
| 28 | 6.90 | 35.00 | 28.80 | 61.80 | 65.30 | 33.20 | 14.40 | 8.10 | 5.20 | 3.60 | 2.20 | 1.70 | | |
| 29 | 6.00 | 25.20 | 73.00 | 58.30 | 60.40 | 32.00 | 14.40 | 7.80 | 5.20 | 3.60 | | 1.70 | | |
| 30 | 10.20 | 23.20 | 176.80 | 53.40 | 54.10 | 29.20 | 13.60 | 7.80 | 5.00 | 3.40 | | 2.40 | | |
| 31 | | 20.00 | | 48.50 | 52.70 | | 13.20 | | 5.00 | 3.40 | | 2.60 | | |
| Total | 179.90 | 719.60 | 871.70 | 4802.30 | 2839.10 | 943.30 | 640.40 | 305.20 | 189.80 | 129.20 | 80.20 | 62.60 | 11763.30 | CMSDAY |
| Mean | 6.00 | 23.21 | 29.06 | 154.91 | 91.58 | 31.44 | 20.66 | 10.17 | 6.12 | 4.17 | 2.86 | 2.02 | 32.23 | CMS |
| Max | 15.60 | 99.00 | 176.80 | 532.00 | 276.60 | 46.40 | 28.40 | 14.80 | 7.80 | 5.00 | 3.40 | 4.00 | 532.00 | CMS |
| Min | 3.00 | 5.20 | 10.80 | 48.50 | 38.70 | 26.00 | 13.20 | 7.80 | 5.00 | 3.40 | 2.20 | 1.70 | 1.70 | CMS |
| Runoff | 15.54 | 62.17 | 75.31 | 414.92 | 245.30 | 81.50 | 55.33 | 26.37 | 16.40 | 11.16 | 6.93 | 5.41 | 1016.35 | MCM |

Momentary Peak 809.40 CMS. at 71.78 m. (MSL.) at 09.00 Hours , on Jul 10 , 2006

Runoff Yield 40.39 Liters/Second/Square KM. Momentary Peak Yield 1014.29 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Bong Ti at Ban Bong Ti , Kanchanaburi (K.32A)

Lat 14 - 16 - 27 N Long 98 - 56 - 04 E

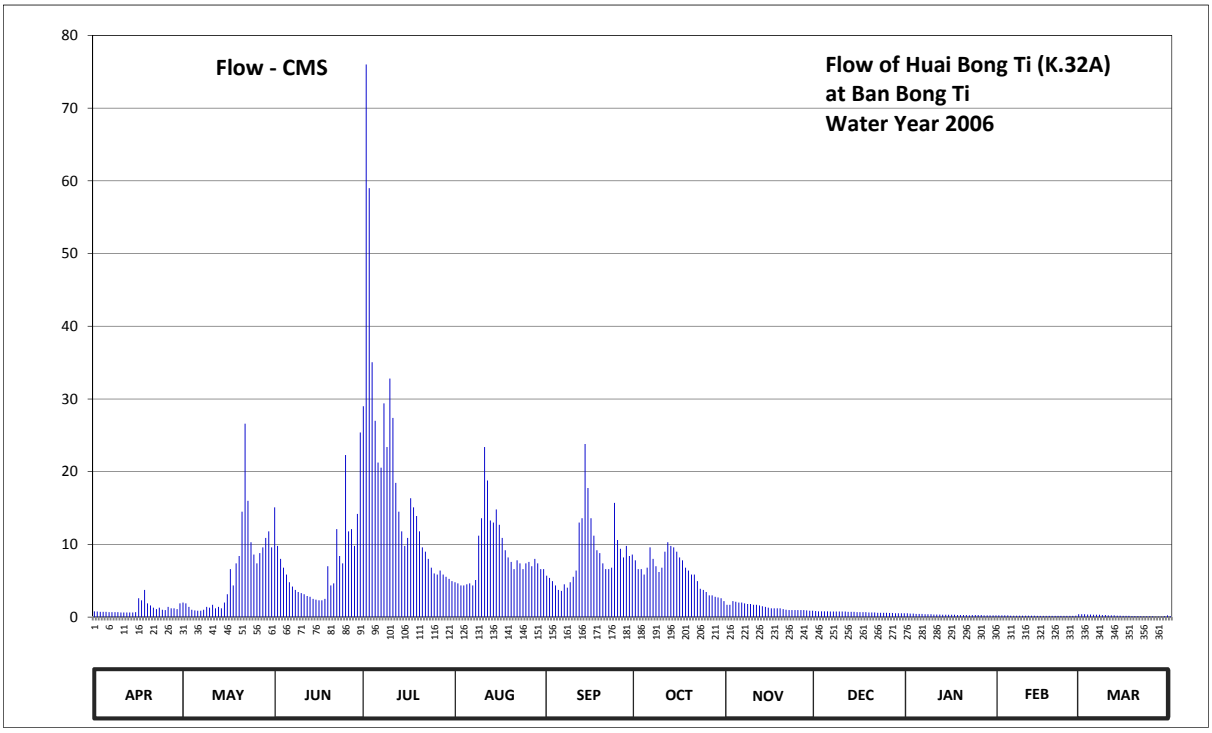
**Location : on right bank at Ban Bong Ti.**

| | | | |
|---|---|---|---|
| | **Ban** Bong Ti | **Amphoe** Sai Yok | **Changwat** Kanchanaburi |
| **Drainge Area** | 518 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +82.270 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 6.50 meters from the top staff gage. | **Elevation** | +88.323 m. (MSL.) |
| **Gage Reading Frequency** | 16-time daily readings at 03.00, 06.00 - 18.00, 21.00 and 24.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 16 readings | | |
| **Period of Available Gage Records** | 1984 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1984 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1984 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 43 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 82.85 | 83.00 | 83.67 | 84.05 | 83.22 | 83.28 | 83.39 | 82.97 | 82.86 | 82.78 | 82.71 | 82.75 | |
| 2 | 82.84 | 82.99 | 83.49 | 84.90 | 83.21 | 83.26 | 83.33 | 82.97 | 82.85 | 82.77 | 82.71 | 82.75 | |
| 3 | 82.83 | 82.94 | 83.40 | 84.65 | 83.19 | 83.23 | 83.33 | 83.02 | 82.85 | 82.77 | 82.71 | 82.74 | |
| 4 | 82.83 | 82.90 | 83.34 | 84.19 | 83.19 | 83.19 | 83.29 | 83.01 | 82.85 | 82.76 | 82.71 | 82.74 | |
| 5 | 82.83 | 82.88 | 83.29 | 84.00 | 83.20 | 83.15 | 83.34 | 83.00 | 82.85 | 82.76 | 82.70 | 82.73 | |
| 6 | 82.82 | 82.87 | 83.22 | 83.85 | 83.21 | 83.14 | 83.48 | 83.00 | 82.84 | 82.76 | 82.70 | 82.73 | |
| 7 | 82.82 | 82.87 | 83.18 | 83.83 | 83.19 | 83.20 | 83.40 | 82.99 | 82.84 | 82.75 | 82.70 | 82.73 | |
| 8 | 82.82 | 82.90 | 83.15 | 84.06 | 83.24 | 83.17 | 83.35 | 82.98 | 82.84 | 82.75 | 82.70 | 82.72 | |
| 9 | 82.82 | 82.94 | 83.13 | 83.91 | 83.54 | 83.22 | 83.31 | 82.98 | 82.84 | 82.75 | 82.70 | 82.72 | |
| 10 | 82.81 | 82.93 | 83.12 | 84.14 | 83.62 | 83.27 | 83.34 | 82.97 | 82.84 | 82.74 | 82.70 | 82.71 | |
| 11 | 82.81 | 82.97 | 83.11 | 84.01 | 83.91 | 83.32 | 83.45 | 82.97 | 82.84 | 82.74 | 82.70 | 82.71 | |
| 12 | 82.81 | 82.92 | 83.09 | 83.77 | 83.78 | 83.60 | 83.51 | 82.96 | 82.83 | 82.74 | 82.70 | 82.71 | |
| 13 | 82.81 | 82.94 | 83.08 | 83.65 | 83.61 | 83.62 | 83.49 | 82.95 | 82.83 | 82.73 | 82.70 | 82.70 | |
| 14 | 82.81 | 82.92 | 83.05 | 83.56 | 83.60 | 83.92 | 83.48 | 82.94 | 82.83 | 82.73 | 82.69 | 82.70 | |
| 15 | 82.82 | 83.00 | 83.04 | 83.49 | 83.66 | 83.75 | 83.45 | 82.93 | 82.82 | 82.73 | 82.69 | 82.69 | |
| 16 | 83.06 | 83.11 | 83.03 | 83.53 | 83.59 | 83.62 | 83.41 | 82.92 | 82.82 | 82.73 | 82.69 | 82.69 | |
| 17 | 83.03 | 83.33 | 83.03 | 83.71 | 83.53 | 83.54 | 83.39 | 82.92 | 82.82 | 82.73 | 82.69 | 82.69 | |
| 18 | 83.15 | 83.19 | 83.05 | 83.67 | 83.46 | 83.46 | 83.34 | 82.92 | 82.82 | 82.72 | 82.69 | 82.68 | |
| 19 | 82.99 | 83.37 | 83.35 | 83.63 | 83.41 | 83.44 | 83.32 | 82.92 | 82.81 | 82.72 | 82.69 | 82.68 | |
| 20 | 82.96 | 83.42 | 83.19 | 83.56 | 83.38 | 83.37 | 83.29 | 82.91 | 82.81 | 82.72 | 82.69 | 82.68 | |
| 21 | 82.93 | 83.65 | 83.21 | 83.48 | 83.33 | 83.33 | 83.29 | 82.90 | 82.81 | 82.72 | 82.69 | 82.67 | |
| 22 | 82.91 | 83.99 | 83.57 | 83.45 | 83.39 | 83.33 | 83.23 | 82.89 | 82.80 | 82.71 | 82.69 | 82.67 | |
| 23 | 82.93 | 83.70 | 83.42 | 83.40 | 83.37 | 83.34 | 83.16 | 82.89 | 82.80 | 82.72 | 82.69 | 82.67 | |
| 24 | 82.90 | 83.51 | 83.37 | 83.34 | 83.33 | 83.69 | 83.15 | 82.89 | 82.80 | 82.72 | 82.69 | 82.67 | |
| 25 | 82.89 | 83.43 | 83.88 | 83.30 | 83.37 | 83.52 | 83.13 | 82.89 | 82.80 | 82.72 | 82.69 | 82.67 | |
| 26 | 82.94 | 83.37 | 83.56 | 83.29 | 83.38 | 83.47 | 83.10 | 82.89 | 82.79 | 82.72 | 82.69 | 82.66 | |
| 27 | 82.92 | 83.44 | 83.57 | 83.32 | 83.35 | 83.41 | 83.10 | 82.89 | 82.79 | 82.71 | 82.70 | 82.66 | |
| 28 | 82.92 | 83.48 | 83.49 | 83.29 | 83.40 | 83.49 | 83.08 | 82.88 | 82.78 | 82.71 | 82.75 | 82.66 | |
| 29 | 82.91 | 83.53 | 83.64 | 83.27 | 83.37 | 83.42 | 83.07 | 82.87 | 82.78 | 82.71 | | 82.68 | |
| 30 | 82.99 | 83.56 | 83.96 | 83.25 | 83.33 | 83.43 | 83.06 | 82.87 | 82.78 | 82.71 | | 82.71 | |
| 31 | | 83.48 | | 83.23 | 83.33 | | 83.02 | | 82.78 | 82.71 | | 82.67 | |
| Mean | 82.89 | 83.21 | 83.32 | 83.70 | 83.41 | 83.41 | 83.29 | 82.94 | 82.82 | 82.73 | 82.70 | 82.70 | |
| Max | 83.15 | 83.99 | 83.96 | 84.90 | 83.91 | 83.92 | 83.51 | 83.02 | 82.86 | 82.78 | 82.75 | 82.75 | 84.90 |
| Min | 82.81 | 82.87 | 83.03 | 83.23 | 83.19 | 83.14 | 83.02 | 82.87 | 82.78 | 82.71 | 82.69 | 82.66 | 82.66 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 85.22 | m. (MSL.) , | at 17.00 Hours , on Jul 2 , 2006 | | |
| Zero Gage at Bottom Elevation | 82.27 | m. (MSL.) , | River Bed | 82.40 | m. (MSL.) |
| Left Bank Elevation | 88.48 | m. (MSL.) , | | | |
| Right Bank Elevation | 88.40 | m. (MSL.) , | Drainage Are | 518 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.80 | 2.00 | 15.10 | 29.00 | 4.80 | 5.70 | 7.80 | 1.70 | 0.84 | 0.52 | 0.24 | 0.40 | | |
| 2 | 0.76 | 1.90 | 9.80 | 76.00 | 4.65 | 5.40 | 6.60 | 1.70 | 0.80 | 0.48 | 0.24 | 0.40 | | |
| 3 | 0.72 | 1.40 | 8.00 | 59.00 | 4.35 | 4.95 | 6.60 | 2.20 | 0.80 | 0.48 | 0.24 | 0.36 | | |
| 4 | 0.72 | 1.00 | 6.80 | 35.05 | 4.35 | 4.35 | 5.85 | 2.10 | 0.80 | 0.44 | 0.24 | 0.36 | | |
| 5 | 0.72 | 0.92 | 5.85 | 27.00 | 4.50 | 3.75 | 6.80 | 2.00 | 0.80 | 0.44 | 0.20 | 0.32 | | |
| 6 | 0.68 | 0.88 | 4.80 | 21.25 | 4.65 | 3.60 | 9.60 | 2.00 | 0.76 | 0.44 | 0.20 | 0.32 | | |
| 7 | 0.68 | 0.88 | 4.20 | 20.55 | 4.35 | 4.50 | 8.00 | 1.90 | 0.76 | 0.40 | 0.20 | 0.32 | | |
| 8 | 0.68 | 1.00 | 3.75 | 29.40 | 5.10 | 4.05 | 7.00 | 1.80 | 0.76 | 0.40 | 0.20 | 0.28 | | |
| 9 | 0.68 | 1.40 | 3.45 | 23.40 | 11.20 | 4.80 | 6.20 | 1.80 | 0.76 | 0.40 | 0.20 | 0.28 | | |
| 10 | 0.64 | 1.30 | 3.30 | 32.80 | 13.60 | 5.55 | 6.80 | 1.70 | 0.76 | 0.36 | 0.20 | 0.24 | | |
| 11 | 0.64 | 1.70 | 3.15 | 27.40 | 23.40 | 6.40 | 9.00 | 1.70 | 0.76 | 0.36 | 0.20 | 0.24 | | |
| 12 | 0.64 | 1.20 | 2.90 | 18.45 | 18.80 | 13.00 | 10.30 | 1.60 | 0.72 | 0.36 | 0.20 | 0.24 | | |
| 13 | 0.64 | 1.40 | 2.80 | 14.50 | 13.30 | 13.60 | 9.80 | 1.50 | 0.72 | 0.32 | 0.20 | 0.20 | | |
| 14 | 0.64 | 1.20 | 2.50 | 11.80 | 13.00 | 23.80 | 9.60 | 1.40 | 0.72 | 0.32 | 0.17 | 0.20 | | |
| 15 | 0.68 | 2.00 | 2.40 | 9.80 | 14.80 | 17.75 | 9.00 | 1.30 | 0.68 | 0.32 | 0.17 | 0.17 | | |
| 16 | 2.60 | 3.15 | 2.30 | 10.90 | 12.70 | 13.60 | 8.20 | 1.20 | 0.68 | 0.32 | 0.17 | 0.17 | | |
| 17 | 2.30 | 6.60 | 2.30 | 16.35 | 10.90 | 11.20 | 7.80 | 1.20 | 0.68 | 0.32 | 0.17 | 0.17 | | |
| 18 | 3.75 | 4.35 | 2.50 | 15.10 | 9.20 | 9.20 | 6.80 | 1.20 | 0.68 | 0.28 | 0.17 | 0.13 | | |
| 19 | 1.90 | 7.40 | 7.00 | 13.90 | 8.20 | 8.80 | 6.40 | 1.20 | 0.64 | 0.28 | 0.17 | 0.13 | | |
| 20 | 1.60 | 8.40 | 4.35 | 11.80 | 7.60 | 7.40 | 5.85 | 1.10 | 0.64 | 0.28 | 0.17 | 0.13 | | |
| 21 | 1.30 | 14.50 | 4.65 | 9.60 | 6.60 | 6.60 | 5.85 | 1.00 | 0.64 | 0.28 | 0.17 | 0.10 | | |
| 22 | 1.10 | 26.60 | 12.10 | 9.00 | 7.80 | 6.60 | 4.95 | 0.96 | 0.60 | 0.24 | 0.17 | 0.10 | | |
| 23 | 1.30 | 16.00 | 8.40 | 8.00 | 7.40 | 6.80 | 3.90 | 0.96 | 0.60 | 0.28 | 0.17 | 0.10 | | |
| 24 | 1.00 | 10.30 | 7.40 | 6.80 | 6.60 | 15.70 | 3.75 | 0.96 | 0.60 | 0.28 | 0.17 | 0.10 | | |
| 25 | 0.96 | 8.60 | 22.30 | 6.00 | 7.40 | 10.60 | 3.45 | 0.96 | 0.60 | 0.28 | 0.17 | 0.10 | | |
| 26 | 1.40 | 7.40 | 11.80 | 5.85 | 7.60 | 9.40 | 3.00 | 0.96 | 0.56 | 0.28 | 0.17 | 0.07 | | |
| 27 | 1.20 | 8.80 | 12.10 | 6.40 | 7.00 | 8.20 | 3.00 | 0.96 | 0.56 | 0.24 | 0.20 | 0.07 | | |
| 28 | 1.20 | 9.60 | 9.80 | 5.85 | 8.00 | 9.80 | 2.80 | 0.92 | 0.52 | 0.24 | 0.40 | 0.07 | | |
| 29 | 1.10 | 10.90 | 14.20 | 5.55 | 7.40 | 8.40 | 2.70 | 0.88 | 0.52 | 0.24 | | 0.13 | | |
| 30 | 1.90 | 11.80 | 25.40 | 5.25 | 6.60 | 8.60 | 2.60 | 0.88 | 0.52 | 0.24 | | 0.24 | | |
| 31 | | 9.60 | | 4.95 | 6.60 | | 2.20 | | 0.52 | 0.24 | | 0.10 | | |
| Total | 34.93 | 184.18 | 225.40 | 576.70 | 272.45 | 262.10 | 192.20 | 41.74 | 21.00 | 10.36 | 5.57 | 6.24 | 1832.87 | CMSDAY |
| Mean | 1.16 | 5.94 | 7.51 | 18.60 | 8.79 | 8.74 | 6.20 | 1.39 | 0.68 | 0.33 | 0.20 | 0.20 | 5.02 | CMS |
| Max | 3.75 | 26.60 | 25.40 | 76.00 | 23.40 | 23.80 | 10.30 | 2.20 | 0.84 | 0.52 | 0.40 | 0.40 | 76.00 | CMS |
| Min | 0.64 | 0.88 | 2.30 | 4.95 | 4.35 | 3.60 | 2.20 | 0.88 | 0.52 | 0.24 | 0.17 | 0.07 | 0.07 | CMS |
| Runoff | 3.02 | 15.91 | 19.47 | 49.83 | 23.54 | 22.65 | 16.61 | 3.61 | 1.81 | 0.90 | 0.48 | 0.54 | 158.36 | MCM |

Momentary Peak 100.80 CMS. at 85.22 m. (MSL.) at 17.00 Hours , on Jul 2 , 2006

Runoff Yield 9.69 Liters/Second/Square KM. Momentary Peak Yield 194.59 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Khwae Yai River at Ban Nong Bua , Kanchanaburi (K.35A)

Lat 14 - 03 - 22 N Long 99 - 27 - 32 E

**Location : on left bank at Ban Nong Bua.**

**Ban** Nong Bua **Amphoe** Mueang **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 14,444 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +21.498 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 3 meters from the third staff gage. **Elevation** +32.147 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1984 to date |
| **Rating Operation** | |
| **Period of Rating** | 1984 - 1985 , 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1984 - 1985 , 1987 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Sri Nakarindra Dam.<br>Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

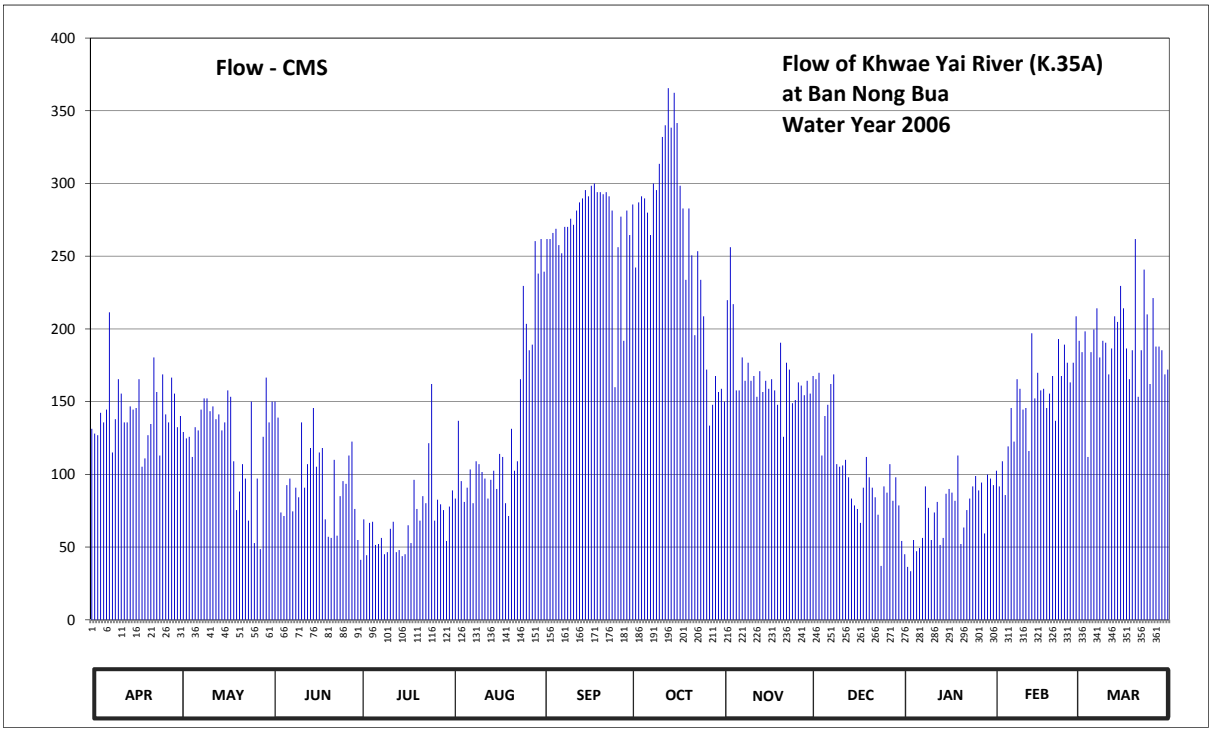
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24.93 | 25.01 | 25.10 | 23.87 | 24.50 | 25.81 | 26.14 | 25.10 | 25.26 | 23.93 | 24.65 | 25.46 | |
| 2 | 24.90 | 24.91 | 25.10 | 24.25 | 24.43 | 25.97 | 25.83 | 25.67 | 25.24 | 23.79 | 24.53 | 25.40 | |
| 3 | 24.89 | 24.87 | 25.00 | 23.92 | 24.98 | 25.97 | 26.15 | 25.93 | 25.28 | 23.74 | 24.72 | 25.51 | |
| 4 | 25.03 | 24.88 | 24.31 | 24.22 | 24.57 | 26.00 | 26.18 | 25.65 | 24.76 | 24.07 | 24.46 | 24.75 | |
| 5 | 24.97 | 24.75 | 24.28 | 24.23 | 24.40 | 26.02 | 26.17 | 25.17 | 25.01 | 23.96 | 24.82 | 25.40 | |
| 6 | 25.05 | 24.94 | 24.54 | 24.02 | 24.52 | 25.94 | 26.10 | 25.17 | 25.08 | 23.99 | 25.06 | 25.52 | |
| 7 | 25.61 | 24.92 | 24.59 | 24.03 | 24.66 | 25.90 | 25.99 | 25.37 | 25.21 | 24.09 | 24.85 | 25.63 | |
| 8 | 24.78 | 25.05 | 24.32 | 24.09 | 24.39 | 26.03 | 26.24 | 25.23 | 25.27 | 24.53 | 25.24 | 25.37 | |
| 9 | 24.99 | 25.12 | 24.52 | 23.93 | 24.72 | 26.03 | 26.21 | 25.34 | 24.70 | 24.35 | 25.18 | 25.46 | |
| 10 | 25.24 | 25.12 | 24.44 | 23.95 | 24.70 | 26.07 | 26.33 | 25.23 | 24.68 | 24.07 | 25.05 | 25.45 | |
| 11 | 25.15 | 25.04 | 24.97 | 24.17 | 24.64 | 26.04 | 26.45 | 25.26 | 24.69 | 24.31 | 25.06 | 25.27 | |
| 12 | 24.97 | 25.07 | 24.52 | 24.23 | 24.59 | 26.11 | 26.50 | 25.13 | 24.73 | 24.40 | 24.79 | 25.42 | |
| 13 | 24.97 | 24.99 | 24.70 | 23.95 | 24.43 | 26.15 | 26.66 | 25.29 | 24.60 | 24.02 | 25.50 | 25.59 | |
| 14 | 25.07 | 25.02 | 24.81 | 23.97 | 24.58 | 26.17 | 26.49 | 25.16 | 24.43 | 24.09 | 25.12 | 25.56 | |
| 15 | 25.05 | 24.92 | 25.06 | 23.91 | 24.65 | 26.21 | 26.64 | 25.23 | 24.37 | 24.47 | 25.28 | 25.74 | |
| 16 | 25.06 | 24.97 | 24.68 | 23.93 | 24.51 | 26.18 | 26.51 | 25.18 | 24.34 | 24.51 | 25.17 | 25.63 | |
| 17 | 25.24 | 25.17 | 24.78 | 24.20 | 24.77 | 26.23 | 26.23 | 25.24 | 24.22 | 24.48 | 25.18 | 25.42 | |
| 18 | 24.68 | 25.13 | 24.81 | 24.04 | 24.75 | 26.24 | 26.12 | 25.17 | 24.52 | 24.41 | 25.06 | 25.24 | |
| 19 | 24.74 | 24.72 | 24.25 | 24.58 | 24.39 | 26.20 | 25.77 | 25.08 | 24.75 | 24.76 | 25.15 | 25.41 | |
| 20 | 24.89 | 24.33 | 24.10 | 24.34 | 24.28 | 26.20 | 26.12 | 25.45 | 24.60 | 24.03 | 25.26 | 25.97 | |
| 21 | 24.96 | 24.49 | 24.09 | 24.24 | 24.93 | 26.19 | 25.89 | 24.88 | 24.52 | 24.18 | 24.98 | 25.13 | |
| 22 | 25.37 | 24.70 | 24.73 | 24.45 | 24.65 | 26.20 | 25.49 | 25.34 | 24.44 | 24.33 | 25.47 | 25.41 | |
| 23 | 25.16 | 24.59 | 24.11 | 24.39 | 24.72 | 26.18 | 25.91 | 25.30 | 24.29 | 24.43 | 25.26 | 25.82 | |
| 24 | 24.76 | 24.24 | 24.45 | 24.84 | 25.24 | 26.11 | 25.77 | 25.09 | 23.80 | 24.53 | 25.44 | 25.60 | |
| 25 | 25.27 | 25.10 | 24.57 | 25.21 | 25.74 | 25.19 | 25.59 | 25.11 | 24.53 | 24.61 | 25.34 | 25.21 | |
| 26 | 25.02 | 24.04 | 24.55 | 24.24 | 25.55 | 25.93 | 25.30 | 25.22 | 24.48 | 24.50 | 25.22 | 25.68 | |
| 27 | 24.97 | 24.59 | 24.76 | 24.42 | 25.41 | 26.08 | 24.95 | 25.20 | 24.70 | 24.56 | 25.34 | 25.43 | |
| 28 | 25.25 | 23.98 | 24.85 | 24.38 | 25.44 | 25.46 | 25.08 | 25.14 | 24.41 | 24.13 | 25.59 | 25.43 | |
| 29 | 25.15 | 24.88 | 24.34 | 24.33 | 25.96 | 26.11 | 25.26 | 25.23 | 24.60 | 24.62 | | 25.41 | |
| 30 | 24.94 | 25.25 | 24.07 | 24.06 | 25.80 | 25.99 | 25.16 | 25.15 | 24.37 | 24.59 | | 25.27 | |
| 31 | | 24.97 | | 24.36 | 25.97 | | 25.18 | | 24.06 | 24.54 | | 25.30 | |
| Mean | 25.04 | 24.83 | 24.58 | 24.22 | 24.87 | 26.03 | 25.95 | 25.26 | 24.64 | 24.29 | 25.10 | 25.45 | |
| Max | 25.61 | 25.25 | 25.10 | 25.21 | 25.97 | 26.24 | 26.66 | 25.93 | 25.28 | 24.76 | 25.59 | 25.97 | 26.66 |
| Min | 24.68 | 23.98 | 24.07 | 23.87 | 24.28 | 25.19 | 24.95 | 24.88 | 23.80 | 23.74 | 24.46 | 24.75 | 23.74 |

Annual Max Momentary Gage Height 26.92 m. (MSL.) , at 19.00 Hours , on Oct 14 , 2006

Zero Gage at Bottom Elevation 21.50 m. (MSL.) , River Bed 22.43 m. (MSL.) ,

Left Bank Elevation 28.00 m. (MSL.) ,

Right Bank Elevation 32.15 m. (MSL.) , Drainage Are 14,444 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 131.30 | 140.10 | 150.00 | 41.20 | 89.00 | 239.40 | 285.60 | 150.00 | 167.60 | 45.10 | 102.50 | 191.80 | | |
| 2 | 128.00 | 129.10 | 150.00 | 69.00 | 83.40 | 261.80 | 242.20 | 219.80 | 165.40 | 36.40 | 91.70 | 184.00 | | |
| 3 | 126.90 | 124.70 | 139.00 | 44.40 | 136.80 | 261.80 | 287.00 | 256.20 | 169.80 | 33.40 | 109.00 | 198.30 | | |
| 4 | 142.30 | 125.80 | 73.80 | 66.60 | 95.30 | 266.00 | 291.20 | 217.00 | 113.00 | 54.90 | 85.80 | 112.00 | | |
| 5 | 135.70 | 112.00 | 71.40 | 67.40 | 81.00 | 268.80 | 289.80 | 157.70 | 140.10 | 47.20 | 119.20 | 184.00 | | |
| 6 | 144.50 | 132.40 | 92.60 | 51.40 | 90.80 | 257.60 | 280.00 | 157.70 | 147.80 | 49.30 | 145.60 | 199.60 | | |
| 7 | 211.40 | 130.20 | 97.10 | 52.10 | 103.40 | 252.00 | 264.60 | 180.40 | 162.10 | 56.30 | 122.50 | 214.20 | | |
| 8 | 115.00 | 144.50 | 74.60 | 56.30 | 80.20 | 270.20 | 300.00 | 164.30 | 168.70 | 91.70 | 165.40 | 180.40 | | |
| 9 | 137.90 | 152.20 | 90.80 | 45.10 | 109.00 | 270.20 | 295.50 | 176.80 | 107.00 | 77.00 | 158.80 | 191.80 | | |
| 10 | 165.40 | 152.20 | 84.20 | 46.50 | 107.00 | 275.80 | 313.50 | 164.30 | 105.20 | 54.90 | 144.50 | 190.50 | | |
| 11 | 155.50 | 143.40 | 135.70 | 62.60 | 101.60 | 271.60 | 332.00 | 167.60 | 106.10 | 73.80 | 145.60 | 168.70 | | |
| 12 | 135.70 | 146.70 | 90.80 | 67.40 | 97.10 | 281.40 | 340.00 | 153.30 | 110.00 | 81.00 | 116.00 | 186.60 | | |
| 13 | 135.70 | 137.90 | 107.00 | 46.50 | 83.40 | 287.00 | 365.60 | 170.90 | 98.00 | 51.40 | 197.00 | 208.70 | | |
| 14 | 146.70 | 141.20 | 118.10 | 47.90 | 96.20 | 289.80 | 338.40 | 156.60 | 83.40 | 56.30 | 152.20 | 204.80 | | |
| 15 | 144.50 | 130.20 | 145.60 | 43.70 | 102.50 | 295.50 | 362.40 | 164.30 | 78.60 | 86.60 | 169.80 | 229.60 | | |
| 16 | 145.60 | 135.70 | 105.20 | 45.10 | 89.90 | 291.20 | 341.60 | 158.80 | 76.20 | 89.90 | 157.70 | 214.20 | | |
| 17 | 165.40 | 157.70 | 115.00 | 65.00 | 114.00 | 298.50 | 298.50 | 165.40 | 66.60 | 87.40 | 158.80 | 186.60 | | |
| 18 | 105.20 | 153.30 | 118.10 | 52.80 | 112.00 | 300.00 | 282.80 | 157.70 | 90.80 | 81.80 | 145.60 | 165.40 | | |
| 19 | 111.00 | 109.00 | 69.00 | 96.20 | 80.20 | 294.00 | 233.80 | 147.80 | 112.00 | 113.00 | 155.50 | 185.30 | | |
| 20 | 126.90 | 75.40 | 57.00 | 76.20 | 71.40 | 294.00 | 282.80 | 190.50 | 98.00 | 52.10 | 167.60 | 261.80 | | |
| 21 | 134.60 | 88.20 | 56.30 | 68.20 | 131.30 | 292.60 | 250.60 | 125.80 | 90.80 | 63.40 | 136.80 | 153.30 | | |
| 22 | 180.40 | 107.00 | 110.00 | 85.00 | 102.50 | 294.00 | 195.70 | 176.80 | 84.20 | 75.40 | 193.10 | 185.30 | | |
| 23 | 156.60 | 97.10 | 57.80 | 80.20 | 109.00 | 291.20 | 253.40 | 172.00 | 72.20 | 83.40 | 167.60 | 240.80 | | |
| 24 | 113.00 | 68.20 | 85.00 | 121.40 | 165.40 | 281.40 | 233.80 | 148.90 | 37.00 | 91.70 | 189.20 | 210.00 | | |
| 25 | 168.70 | 150.00 | 95.30 | 162.10 | 229.60 | 159.90 | 208.70 | 151.10 | 91.70 | 98.90 | 176.80 | 162.10 | | |
| 26 | 141.20 | 52.80 | 93.50 | 68.20 | 203.50 | 256.20 | 172.00 | 163.20 | 87.40 | 89.00 | 163.20 | 221.20 | | |
| 27 | 135.70 | 97.10 | 113.00 | 82.60 | 185.30 | 277.20 | 133.50 | 161.00 | 107.00 | 94.40 | 176.80 | 187.90 | | |
| 28 | 166.50 | 48.60 | 122.50 | 79.40 | 189.20 | 191.80 | 147.80 | 154.40 | 81.80 | 59.40 | 208.70 | 187.90 | | |
| 29 | 155.50 | 125.80 | 76.20 | 75.40 | 260.40 | 281.40 | 167.60 | 164.30 | 98.00 | 99.80 | | 185.30 | | |
| 30 | 132.40 | 166.50 | 54.90 | 54.20 | 238.00 | 264.60 | 156.60 | 155.50 | 78.60 | 97.10 | | 168.70 | | |
| 31 | | 135.7 | | 77.80 | 261.80 | | 158.80 | | 54.20 | 92.60 | | 172.00 | | |
| Total | 4295.20 | 3810.70 | 2949.50 | 2097.90 | 4000.20 | 8116.90 | 8105.80 | 5050.10 | 3249.30 | 2264.60 | 4223.00 | 5932.80 | 54096.00 | CMSDAY |
| Mean | 143.17 | 122.93 | 98.32 | 67.67 | 129.04 | 270.56 | 261.48 | 168.34 | 104.82 | 73.05 | 150.82 | 191.38 | 148.21 | CMS |
| Max | 211.40 | 166.50 | 150.00 | 162.10 | 261.80 | 300.00 | 365.60 | 256.20 | 169.80 | 113.00 | 208.70 | 261.80 | 365.60 | CMS |
| Min | 105.20 | 48.60 | 54.90 | 41.20 | 71.40 | 159.90 | 133.50 | 125.80 | 37.00 | 33.40 | 85.80 | 112.00 | 33.40 | CMS |
| Runoff | 371.11 | 329.24 | 254.84 | 181.26 | 345.62 | 701.30 | 700.34 | 436.33 | 280.74 | 195.66 | 364.87 | 512.59 | 4673.89 | MCM |

Momentary Peak 407.20 CMS. at 26.92 m. (MSL.) at 19.00 Hours , on Oct 14 , 2006

Runoff Yield 10.26 Liters/Second/Square KM. Momentary Peak Yield 28.19 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Khwae Yai River at Ban Tha Manao, Kanchanaburi (K.36)

Lat 14 - 09 - 52 N Long 99 - 16 - 37 E

**Location : on left bank at Ban Tha Manao.**

**Ban** Tha Manao **Amphoe** Mueang **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 11,685 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +31.417 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 10 meters from the top staff gage. **Elevation** +38.305 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings. |
| **Period of Available Gage Records** | 1984 to date |
| **Rating Operation** | |
| **Period of Rating** | 1984 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1984 to date |
| **Stability of Channel Regimes** | Rather unstable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Sri Nakarindra Dam.<br>Stage-discharge relation defined by 17 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

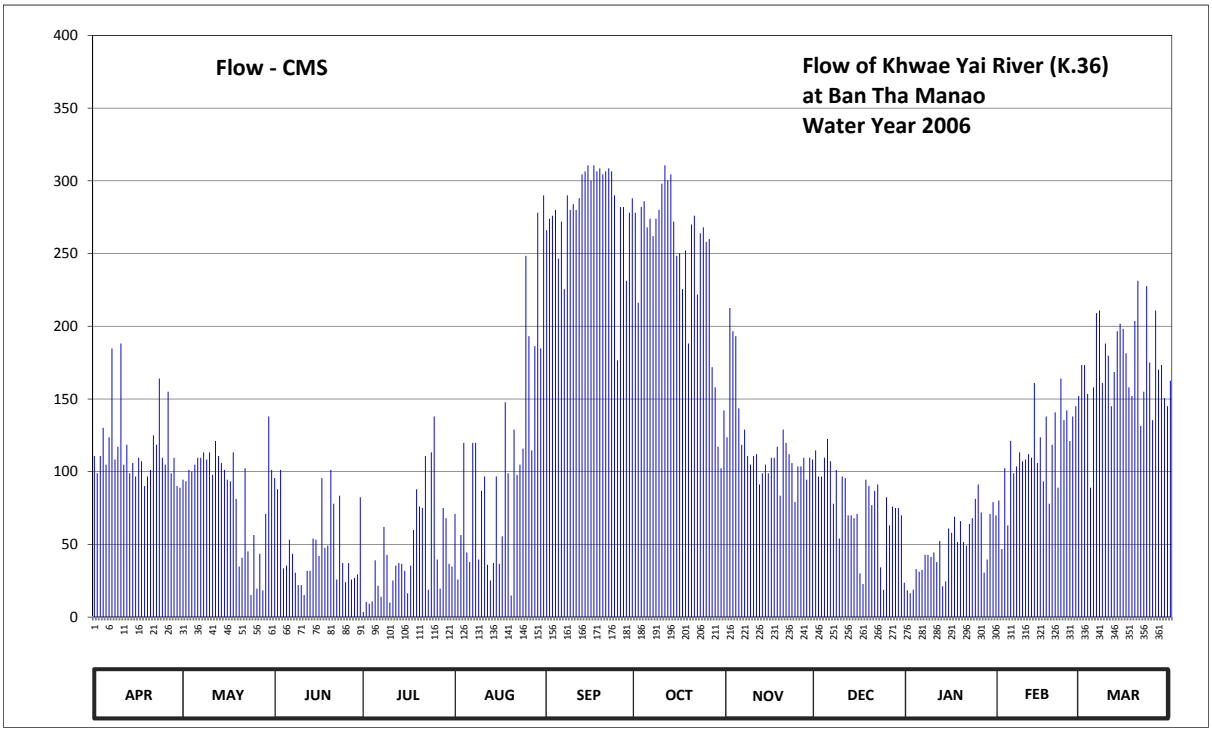
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34.99 | 34.85 | 34.86 | 33.25 | 34.63 | 35.95 | 36.01 | 35.09 | 35.02 | 33.86 | 34.72 | 35.44 | |
| 2 | 34.89 | 34.84 | 34.79 | 33.66 | 34.03 | 35.99 | 35.69 | 35.67 | 34.87 | 33.81 | 34.36 | 35.44 | |
| 3 | 34.99 | 34.91 | 34.91 | 33.63 | 34.48 | 36.00 | 36.03 | 35.58 | 34.87 | 33.87 | 34.92 | 35.31 | |
| 4 | 35.14 | 34.90 | 34.16 | 33.67 | 35.06 | 36.02 | 36.05 | 35.56 | 34.98 | 34.15 | 34.55 | 34.80 | |
| 5 | 34.94 | 34.94 | 34.19 | 34.25 | 34.33 | 35.85 | 35.96 | 35.24 | 35.08 | 34.12 | 35.07 | 35.34 | |
| 6 | 35.09 | 34.98 | 34.44 | 33.94 | 34.23 | 35.98 | 35.99 | 35.05 | 34.96 | 34.14 | 34.89 | 35.65 | |
| 7 | 35.51 | 34.98 | 34.32 | 33.75 | 35.06 | 35.74 | 35.93 | 35.13 | 34.70 | 34.31 | 34.93 | 35.66 | |
| 8 | 34.97 | 35.01 | 34.11 | 34.54 | 35.06 | 36.07 | 35.99 | 34.99 | 34.91 | 34.31 | 35.01 | 35.36 | |
| 9 | 35.04 | 34.97 | 33.95 | 34.31 | 34.26 | 36.02 | 36.02 | 34.94 | 34.45 | 34.29 | 34.96 | 35.53 | |
| 10 | 35.53 | 35.01 | 33.95 | 33.65 | 34.78 | 36.04 | 36.11 | 34.99 | 34.87 | 34.33 | 34.97 | 35.48 | |
| 11 | 34.94 | 34.88 | 33.78 | 34.02 | 34.87 | 36.02 | 36.17 | 35.00 | 34.86 | 34.23 | 35.00 | 35.25 | |
| 12 | 35.05 | 35.07 | 34.13 | 34.19 | 34.20 | 36.06 | 36.12 | 34.82 | 34.62 | 34.43 | 34.98 | 35.41 | |
| 13 | 34.89 | 34.99 | 34.13 | 34.22 | 34.02 | 36.14 | 36.14 | 34.89 | 34.62 | 33.93 | 35.36 | 35.58 | |
| 14 | 34.95 | 34.95 | 34.45 | 34.21 | 34.22 | 36.15 | 35.98 | 34.94 | 34.60 | 34.01 | 34.95 | 35.61 | |
| 15 | 34.87 | 34.91 | 34.44 | 34.13 | 34.87 | 36.17 | 35.86 | 34.89 | 34.63 | 34.53 | 35.09 | 35.59 | |
| 16 | 34.98 | 34.85 | 34.30 | 33.81 | 34.21 | 36.12 | 35.87 | 34.98 | 34.10 | 34.50 | 34.84 | 35.49 | |
| 17 | 34.96 | 34.84 | 34.86 | 34.19 | 34.47 | 36.17 | 35.74 | 34.98 | 33.97 | 34.61 | 35.20 | 35.34 | |
| 18 | 34.81 | 35.01 | 34.37 | 34.52 | 35.27 | 36.15 | 35.88 | 35.04 | 34.85 | 34.42 | 34.70 | 35.30 | |
| 19 | 34.87 | 34.73 | 34.39 | 34.79 | 34.89 | 36.16 | 35.53 | 34.75 | 34.81 | 34.58 | 35.05 | 35.62 | |
| 20 | 34.91 | 34.18 | 34.91 | 34.68 | 33.77 | 36.14 | 35.97 | 35.13 | 34.69 | 34.42 | 35.22 | 35.77 | |
| 21 | 35.10 | 34.28 | 34.70 | 34.67 | 35.13 | 36.15 | 36.00 | 35.06 | 34.78 | 34.39 | 34.80 | 35.15 | |
| 22 | 35.05 | 34.92 | 34.03 | 34.99 | 34.88 | 36.16 | 35.72 | 35.00 | 34.82 | 34.56 | 35.38 | 35.32 | |
| 23 | 35.38 | 34.34 | 34.75 | 33.87 | 34.94 | 36.15 | 35.94 | 34.95 | 34.17 | 34.60 | 35.18 | 35.75 | |
| 24 | 34.98 | 33.78 | 34.22 | 35.01 | 35.03 | 36.07 | 35.96 | 34.71 | 33.87 | 34.73 | 35.23 | 35.45 | |
| 25 | 34.94 | 34.48 | 34.00 | 35.20 | 35.86 | 35.46 | 35.91 | 34.93 | 34.74 | 34.82 | 35.07 | 35.18 | |
| 26 | 35.32 | 33.89 | 34.22 | 34.26 | 35.56 | 36.03 | 35.92 | 34.93 | 34.55 | 34.64 | 35.20 | 35.66 | |
| 27 | 34.89 | 34.32 | 34.03 | 33.89 | 35.02 | 36.03 | 35.43 | 34.98 | 34.68 | 34.11 | 35.25 | 35.42 | |
| 28 | 34.98 | 33.86 | 34.05 | 34.67 | 35.52 | 35.77 | 35.34 | 34.85 | 34.67 | 34.26 | 35.30 | 35.44 | |
| 29 | 34.81 | 34.63 | 34.09 | 34.60 | 36.01 | 36.01 | 35.04 | 34.98 | 34.67 | 34.63 | | 35.29 | |
| 30 | 34.80 | 35.20 | 34.74 | 34.21 | 35.51 | 36.06 | 34.92 | 34.97 | 34.62 | 34.71 | | 35.25 | |
| 31 | | 34.91 | | 34.18 | 36.07 | | 35.23 | | 33.99 | 34.62 | | 35.37 | |
| Mean | 35.02 | 34.72 | 34.34 | 34.22 | 34.85 | 36.03 | 35.82 | 35.03 | 34.65 | 34.35 | 35.01 | 35.43 | |
| Max | 35.53 | 35.20 | 34.91 | 35.20 | 36.07 | 36.17 | 36.17 | 35.67 | 35.08 | 34.82 | 35.38 | 35.77 | 36.17 |
| Min | 34.80 | 33.78 | 33.78 | 33.25 | 33.77 | 35.46 | 34.92 | 34.71 | 33.87 | 33.81 | 34.36 | 34.80 | 33.25 |

Annual Max Momentary Gage Height 36.34 m. (MSL.) , at 16.00 Hours , on Nov 3 , 2006

Zero Gage at Bottom Elevation 31.42 m. (MSL.) , River Bed 32.42 m. (MSL.)

Left Bank Elevation 38.31 m. (MSL.) ,

Right Bank Elevation 38.54 m. (MSL.) , Drainage Are 11,685 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 110.80 | 94.50 | 95.60 | 3.50 | 71.00 | 266.00 | 278.00 | 123.70 | 114.60 | 18.40 | 80.20 | 173.40 | | |
| 2 | 98.90 | 93.40 | 87.90 | 10.40 | 25.80 | 274.00 | 216.20 | 212.60 | 96.70 | 16.40 | 46.80 | 173.40 | | |
| 3 | 110.80 | 101.20 | 101.20 | 9.20 | 56.40 | 276.00 | 282.00 | 196.60 | 96.70 | 18.80 | 102.40 | 153.50 | | |
| 4 | 130.20 | 100.00 | 33.60 | 10.80 | 119.80 | 280.00 | 286.00 | 193.20 | 109.60 | 33.00 | 63.00 | 89.00 | | |
| 5 | 104.80 | 104.80 | 35.40 | 39.00 | 44.40 | 246.50 | 268.00 | 143.60 | 122.40 | 31.20 | 121.10 | 158.00 | | |
| 6 | 123.70 | 109.60 | 53.20 | 21.60 | 37.80 | 272.00 | 274.00 | 118.50 | 107.20 | 32.40 | 98.90 | 209.00 | | |
| 7 | 184.70 | 109.60 | 43.60 | 14.00 | 119.80 | 225.60 | 262.00 | 128.90 | 78.00 | 42.80 | 103.60 | 210.80 | | |
| 8 | 108.40 | 113.30 | 30.60 | 62.00 | 119.80 | 290.00 | 274.00 | 110.80 | 101.20 | 42.80 | 113.30 | 161.00 | | |
| 9 | 117.20 | 108.40 | 22.00 | 42.80 | 39.60 | 280.00 | 280.00 | 104.80 | 54.00 | 41.40 | 107.20 | 188.10 | | |
| 10 | 188.10 | 113.30 | 22.00 | 10.00 | 86.80 | 284.00 | 298.10 | 110.80 | 96.70 | 44.40 | 108.40 | 179.80 | | |
| 11 | 104.80 | 97.80 | 15.20 | 25.20 | 96.70 | 280.00 | 310.70 | 112.00 | 95.60 | 37.80 | 112.00 | 145.00 | | |
| 12 | 118.50 | 121.10 | 31.80 | 35.40 | 36.00 | 288.00 | 300.20 | 91.20 | 70.00 | 52.40 | 109.60 | 168.60 | | |
| 13 | 98.90 | 110.80 | 31.80 | 37.20 | 25.20 | 304.40 | 304.40 | 98.90 | 70.00 | 21.20 | 161.00 | 196.60 | | |
| 14 | 106.00 | 106.00 | 54.00 | 36.60 | 37.20 | 306.50 | 272.00 | 104.80 | 68.00 | 24.60 | 106.00 | 201.80 | | |
| 15 | 96.70 | 101.20 | 53.20 | 31.80 | 96.70 | 310.70 | 248.40 | 98.90 | 71.00 | 61.00 | 123.70 | 198.30 | | |
| 16 | 109.60 | 94.50 | 42.00 | 16.40 | 36.60 | 300.20 | 250.30 | 109.60 | 30.00 | 58.00 | 93.40 | 181.40 | | |
| 17 | 107.20 | 93.40 | 95.60 | 35.40 | 55.60 | 310.70 | 225.60 | 109.60 | 22.80 | 69.00 | 138.00 | 158.00 | | |
| 18 | 90.10 | 113.30 | 47.60 | 60.00 | 147.80 | 306.50 | 252.20 | 117.20 | 94.50 | 51.60 | 78.00 | 152.00 | | |
| 19 | 96.70 | 81.30 | 49.20 | 87.90 | 98.90 | 308.60 | 188.10 | 83.50 | 90.10 | 66.00 | 118.50 | 203.60 | | |
| 20 | 101.20 | 34.80 | 101.20 | 76.00 | 14.80 | 304.40 | 270.00 | 128.90 | 77.00 | 51.60 | 140.80 | 231.30 | | |
| 21 | 125.00 | 40.80 | 78.00 | 75.00 | 128.90 | 306.50 | 276.00 | 119.80 | 86.80 | 49.20 | 89.00 | 131.50 | | |
| 22 | 118.50 | 102.40 | 25.80 | 110.80 | 97.80 | 308.60 | 221.80 | 112.00 | 91.20 | 64.00 | 164.00 | 155.00 | | |
| 23 | 164.00 | 45.20 | 83.50 | 18.80 | 104.80 | 306.50 | 264.00 | 106.00 | 34.20 | 68.00 | 135.40 | 227.50 | | |
| 24 | 109.60 | 15.20 | 37.20 | 113.30 | 115.90 | 290.00 | 268.00 | 79.10 | 18.80 | 81.30 | 142.20 | 175.00 | | |
| 25 | 104.80 | 56.40 | 24.00 | 138.00 | 248.40 | 176.60 | 258.00 | 103.60 | 82.40 | 91.20 | 121.10 | 135.40 | | |
| 26 | 155.00 | 19.60 | 37.20 | 39.60 | 193.20 | 282.00 | 260.00 | 103.60 | 63.00 | 72.00 | 138.00 | 210.80 | | |
| 27 | 98.90 | 43.60 | 25.80 | 19.60 | 114.60 | 282.00 | 171.80 | 109.60 | 76.00 | 30.60 | 145.00 | 170.20 | | |
| 28 | 109.60 | 18.40 | 27.00 | 75.00 | 186.40 | 231.30 | 158.00 | 94.50 | 75.00 | 39.60 | 152.00 | 173.40 | | |
| 29 | 90.10 | 71.00 | 29.40 | 68.00 | 278.00 | 278.00 | 117.20 | 109.60 | 75.00 | 71.00 | | 150.60 | | |
| 30 | 89.00 | 138.00 | 82.40 | 36.60 | 184.70 | 288.00 | 102.40 | 108.40 | 70.00 | 79.10 | | 145.00 | | |
| 31 | | 101.20 | | 34.80 | 290.00 | | 142.20 | | 23.60 | 70.00 | | 162.50 | | |
| Total | 3471.80 | 2654.10 | 1497.00 | 1394.70 | 3309.40 | 8463.60 | 7579.60 | 3544.30 | 2362.10 | 1530.80 | 3212.60 | 5369.50 | 44389.50 | CMSDAY |
| Mean | 115.73 | 85.62 | 49.90 | 44.99 | 106.75 | 282.12 | 244.50 | 118.14 | 76.20 | 49.38 | 114.74 | 173.21 | 121.62 | CMS |
| Max | 188.10 | 138.00 | 101.20 | 138.00 | 290.00 | 310.70 | 310.70 | 212.60 | 122.40 | 91.20 | 164.00 | 231.30 | 310.70 | CMS |
| Min | 89.00 | 15.20 | 15.20 | 3.50 | 14.80 | 176.60 | 102.40 | 79.10 | 18.80 | 16.40 | 46.80 | 89.00 | 3.50 | CMS |
| Runoff | 299.96 | 229.31 | 129.34 | 120.50 | 285.93 | 731.26 | 654.88 | 306.23 | 204.09 | 132.26 | 277.57 | 463.92 | 3835.25 | MCM |

Momentary Peak 323.30 CMS. at 36.34 m. (MSL.) at 16.00 Hours , on Nov 3 , 2006

Runoff Yield 10.41 Liters/Second/Square KM. Momentary Peak Yield 27.67 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Khwae Noi River at Ban Wang Yen , Kanchanaburi (K.37)

Lat 13 - 55 - 54 N Long 99 - 25 - 38 E

**Location : on left bank at Ban Wang Yen.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Yen | **Amphoe** Mueang | **Changwat** Kanchanaburi |
| **Drainge Area** | 10,557 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +19.840 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 5 meters from the automatic gage building. | **Elevation** | +33.266 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings. | | |
| **Period of Available Gage Records** | 1984 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1984 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1984 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +26.810 m.(MSL.), records are channel flow only. | | |
| **General Description** | Records good. Flow regulated by Khao Laem Dam. | | |
| | Stage-discharge relation defined by 20 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

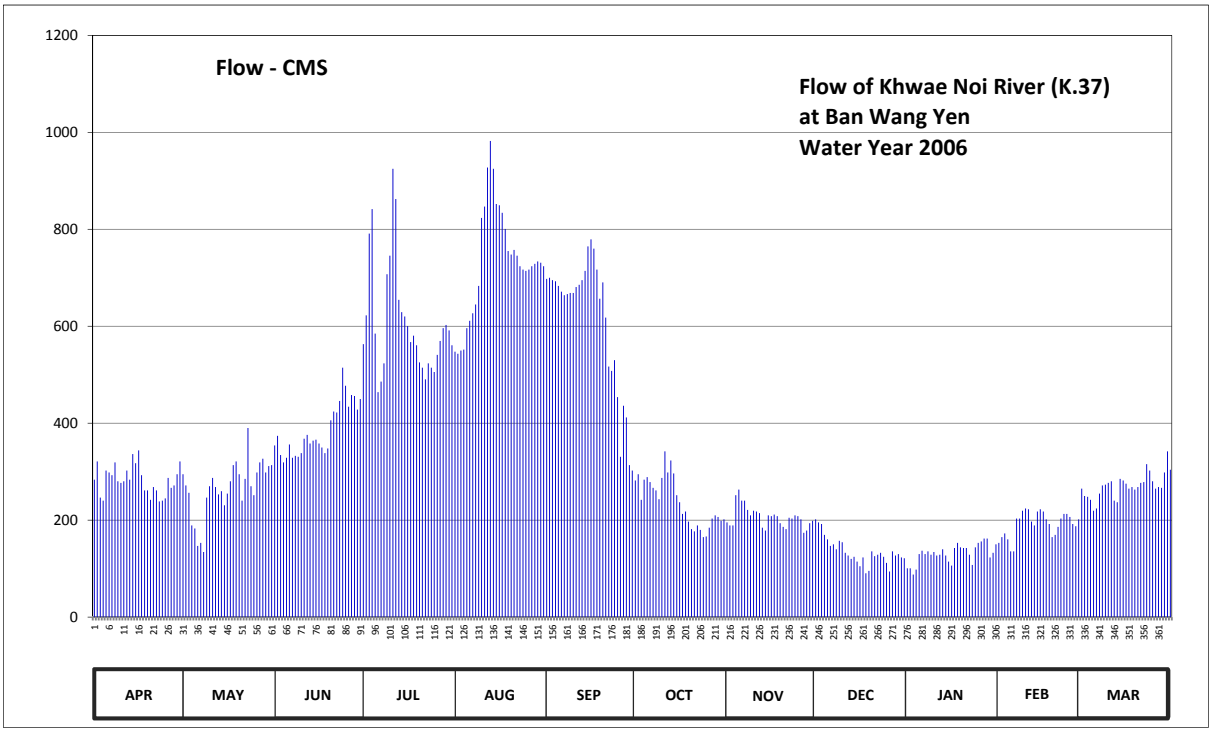
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24.48 | 24.54 | 24.85 | 25.85 | 25.78 | 26.44 | 24.47 | 23.94 | 23.98 | 23.29 | 23.66 | 24.37 | |
| 2 | 24.68 | 24.41 | 24.95 | 26.12 | 25.76 | 26.45 | 24.54 | 23.90 | 23.94 | 23.29 | 23.74 | 24.28 | |
| 3 | 24.26 | 24.32 | 24.75 | 26.83 | 25.79 | 26.43 | 24.23 | 23.90 | 23.92 | 23.19 | 23.79 | 24.27 | |
| 4 | 24.22 | 23.90 | 24.67 | 27.03 | 25.80 | 26.42 | 24.48 | 24.29 | 23.77 | 23.27 | 23.71 | 24.23 | |
| 5 | 24.58 | 23.86 | 24.72 | 25.95 | 26.00 | 26.38 | 24.51 | 24.36 | 23.71 | 23.50 | 23.54 | 24.09 | |
| 6 | 24.56 | 23.62 | 24.86 | 25.40 | 26.07 | 26.33 | 24.45 | 24.22 | 23.62 | 23.55 | 23.54 | 24.12 | |
| 7 | 24.53 | 23.66 | 24.72 | 25.50 | 26.14 | 26.30 | 24.38 | 24.22 | 23.64 | 23.50 | 23.99 | 24.31 | |
| 8 | 24.67 | 23.53 | 24.74 | 25.67 | 26.22 | 26.31 | 24.35 | 24.10 | 23.57 | 23.54 | 23.99 | 24.41 | |
| 9 | 24.46 | 24.26 | 24.73 | 26.48 | 26.38 | 26.32 | 24.24 | 24.03 | 23.69 | 23.49 | 24.09 | 24.42 | |
| 10 | 24.44 | 24.40 | 24.77 | 26.64 | 26.96 | 26.32 | 24.50 | 24.09 | 23.67 | 23.53 | 24.12 | 24.44 | |
| 11 | 24.46 | 24.50 | 24.92 | 27.35 | 27.05 | 26.37 | 24.79 | 24.08 | 23.52 | 23.48 | 24.11 | 24.46 | |
| 12 | 24.58 | 24.39 | 24.96 | 27.11 | 27.36 | 26.39 | 24.56 | 24.06 | 23.48 | 23.49 | 23.95 | 24.22 | |
| 13 | 24.48 | 24.30 | 24.87 | 26.26 | 27.57 | 26.43 | 24.69 | 23.87 | 23.43 | 23.57 | 23.90 | 24.20 | |
| 14 | 24.76 | 24.34 | 24.90 | 26.15 | 27.35 | 26.51 | 24.55 | 23.83 | 23.46 | 23.48 | 24.08 | 24.49 | |
| 15 | 24.66 | 24.16 | 24.91 | 26.11 | 27.07 | 26.72 | 24.29 | 24.03 | 23.39 | 23.39 | 24.11 | 24.47 | |
| 16 | 24.80 | 24.31 | 24.87 | 26.02 | 27.06 | 26.78 | 24.20 | 24.02 | 23.32 | 23.33 | 24.08 | 24.43 | |
| 17 | 24.53 | 24.46 | 24.83 | 25.87 | 27.00 | 26.70 | 24.05 | 24.04 | 23.45 | 23.59 | 23.98 | 24.37 | |
| 18 | 24.35 | 24.64 | 24.77 | 25.93 | 26.87 | 26.52 | 24.08 | 24.02 | 23.21 | 23.66 | 23.92 | 24.39 | |
| 19 | 24.35 | 24.68 | 24.82 | 25.84 | 26.68 | 26.27 | 23.95 | 23.93 | 23.25 | 23.60 | 23.74 | 24.36 | |
| 20 | 24.23 | 24.54 | 25.11 | 25.68 | 26.65 | 26.41 | 23.85 | 23.88 | 23.54 | 23.59 | 23.77 | 24.39 | |
| 21 | 24.39 | 24.22 | 25.20 | 25.63 | 26.69 | 26.10 | 23.82 | 23.85 | 23.47 | 23.59 | 23.88 | 24.44 | |
| 22 | 24.35 | 24.49 | 25.19 | 25.52 | 26.64 | 25.64 | 23.90 | 24.00 | 23.49 | 23.49 | 23.99 | 24.45 | |
| 23 | 24.21 | 25.03 | 25.31 | 25.67 | 26.55 | 25.60 | 23.84 | 23.99 | 23.52 | 23.34 | 24.05 | 24.65 | |
| 24 | 24.22 | 24.40 | 25.63 | 25.63 | 26.52 | 25.70 | 23.74 | 24.03 | 23.46 | 23.60 | 24.05 | 24.58 | |
| 25 | 24.25 | 24.29 | 25.46 | 25.59 | 26.51 | 25.35 | 23.75 | 24.02 | 23.37 | 23.66 | 24.01 | 24.46 | |
| 26 | 24.50 | 24.56 | 25.25 | 25.75 | 26.52 | 24.73 | 23.87 | 23.98 | 23.24 | 23.68 | 23.92 | 24.37 | |
| 27 | 24.38 | 24.67 | 25.37 | 25.88 | 26.55 | 25.26 | 23.99 | 23.80 | 23.54 | 23.72 | 23.89 | 24.39 | |
| 28 | 24.41 | 24.71 | 25.36 | 26.00 | 26.57 | 25.14 | 24.03 | 23.83 | 23.48 | 23.72 | 23.98 | 24.38 | |
| 29 | 24.54 | 24.56 | 25.22 | 26.03 | 26.59 | 24.64 | 24.01 | 23.93 | 23.50 | 23.45 | | 24.56 | |
| 30 | 24.68 | 24.63 | 25.33 | 25.98 | 26.58 | 24.58 | 23.96 | 23.96 | 23.45 | 23.52 | | 24.79 | |
| 31 | | 24.64 | | 25.84 | 26.55 | | 23.98 | | 23.44 | 23.64 | | 24.59 | |
| Mean | 24.47 | 24.36 | 25.00 | 26.04 | 26.58 | 26.05 | 24.20 | 24.01 | 23.53 | 23.51 | 23.91 | 24.40 | |
| Max | 24.80 | 25.03 | 25.63 | 27.35 | 27.57 | 26.78 | 24.79 | 24.36 | 23.98 | 23.72 | 24.12 | 24.79 | 27.57 |
| Min | 24.21 | 23.53 | 24.67 | 25.40 | 25.76 | 24.58 | 23.74 | 23.80 | 23.21 | 23.19 | 23.54 | 24.09 | 23.19 |

Annual Max Momentary Gage Height 27.61 m. (MSL.) , at 08.00 Hours , on Aug 13 , 2006

Zero Gage at Bottom Elevation 19.84 m. (MSL.) , River Bed 19.20 m. (MSL.)

Left Bank Elevation 26.80 m. (MSL.) ,

Right Bank Elevation 30.75 m. (MSL.) , Drainage Are 10,557 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 283.60 | 294.60 | 354.00 | 563.00 | 547.60 | 697.60 | 281.90 | 195.40 | 201.80 | 100.70 | 153.00 | 264.90 | | |
| 2 | 321.20 | 271.70 | 374.00 | 622.40 | 543.20 | 700.00 | 294.60 | 189.00 | 195.40 | 100.70 | 165.00 | 249.80 | | |
| 3 | 246.60 | 256.40 | 334.50 | 791.20 | 549.80 | 695.20 | 241.80 | 189.00 | 192.20 | 87.70 | 172.50 | 248.20 | | |
| 4 | 240.20 | 189.00 | 319.30 | 841.80 | 552.00 | 692.80 | 283.60 | 251.40 | 169.50 | 98.10 | 160.50 | 241.80 | | |
| 5 | 302.20 | 183.00 | 328.80 | 585.00 | 596.00 | 683.20 | 288.90 | 263.20 | 160.50 | 130.00 | 135.60 | 219.40 | | |
| 6 | 298.40 | 147.00 | 356.00 | 464.00 | 611.40 | 671.20 | 278.50 | 240.20 | 147.00 | 137.00 | 135.60 | 224.20 | | |
| 7 | 292.70 | 153.00 | 328.80 | 486.00 | 626.80 | 664.00 | 266.60 | 240.20 | 150.00 | 130.00 | 203.40 | 254.70 | | |
| 8 | 319.30 | 134.20 | 332.60 | 523.40 | 644.80 | 666.40 | 261.50 | 221.00 | 139.80 | 135.60 | 203.40 | 271.70 | | |
| 9 | 280.20 | 246.60 | 330.70 | 707.20 | 683.20 | 668.80 | 243.40 | 209.80 | 157.50 | 128.60 | 219.40 | 273.40 | | |
| 10 | 276.80 | 270.00 | 338.30 | 745.60 | 823.60 | 668.80 | 287.00 | 219.40 | 154.50 | 134.20 | 224.20 | 276.80 | | |
| 11 | 280.20 | 287.00 | 368.00 | 925.00 | 847.00 | 680.80 | 342.10 | 217.80 | 132.80 | 127.20 | 222.60 | 280.20 | | |
| 12 | 302.20 | 268.30 | 376.00 | 862.60 | 927.60 | 685.60 | 298.40 | 214.60 | 127.20 | 128.60 | 197.00 | 240.20 | | |
| 13 | 283.60 | 253.00 | 358.00 | 654.40 | 982.20 | 695.20 | 323.10 | 184.50 | 120.20 | 139.80 | 189.00 | 237.00 | | |
| 14 | 336.40 | 259.80 | 364.00 | 629.00 | 925.00 | 714.40 | 296.50 | 178.50 | 124.40 | 127.20 | 217.80 | 285.30 | | |
| 15 | 317.40 | 230.60 | 366.00 | 620.20 | 852.20 | 764.80 | 251.40 | 209.80 | 114.60 | 114.60 | 222.60 | 281.90 | | |
| 16 | 344.00 | 254.70 | 358.00 | 600.40 | 849.60 | 779.20 | 237.00 | 208.20 | 104.80 | 106.20 | 217.80 | 275.10 | | |
| 17 | 292.70 | 280.20 | 350.00 | 567.40 | 834.00 | 760.00 | 213.00 | 211.40 | 123.00 | 142.60 | 201.80 | 264.90 | | |
| 18 | 261.50 | 313.60 | 338.30 | 580.60 | 800.80 | 716.80 | 217.80 | 208.20 | 90.30 | 153.00 | 192.20 | 268.30 | | |
| 19 | 261.50 | 321.20 | 348.00 | 560.80 | 755.20 | 656.80 | 197.00 | 193.80 | 95.50 | 144.00 | 165.00 | 263.20 | | |
| 20 | 241.80 | 294.60 | 406.00 | 525.60 | 748.00 | 690.40 | 181.50 | 186.00 | 135.60 | 142.60 | 169.50 | 268.30 | | |
| 21 | 268.30 | 240.20 | 424.00 | 514.60 | 757.60 | 618.00 | 177.00 | 181.50 | 125.80 | 142.60 | 186.00 | 276.80 | | |
| 22 | 261.50 | 285.30 | 422.00 | 490.40 | 745.60 | 516.80 | 189.00 | 205.00 | 128.60 | 128.60 | 203.40 | 278.50 | | |
| 23 | 238.60 | 390.00 | 446.00 | 523.40 | 724.00 | 508.00 | 180.00 | 203.40 | 132.80 | 107.60 | 213.00 | 315.50 | | |
| 24 | 240.20 | 270.00 | 514.60 | 514.60 | 716.80 | 530.00 | 165.00 | 209.80 | 124.40 | 144.00 | 213.00 | 302.20 | | |
| 25 | 245.00 | 251.40 | 477.20 | 505.80 | 714.40 | 454.00 | 166.50 | 208.20 | 111.80 | 153.00 | 206.60 | 280.20 | | |
| 26 | 287.00 | 298.40 | 434.00 | 541.00 | 716.80 | 330.70 | 184.50 | 201.80 | 94.20 | 156.00 | 192.20 | 264.90 | | |
| 27 | 266.60 | 319.30 | 458.00 | 569.60 | 724.00 | 436.00 | 203.40 | 174.00 | 135.60 | 162.00 | 187.50 | 268.30 | | |
| 28 | 271.70 | 326.90 | 456.00 | 596.00 | 728.80 | 412.00 | 209.80 | 178.50 | 127.20 | 162.00 | 201.80 | 266.60 | | |
| 29 | 294.60 | 298.40 | 428.00 | 602.60 | 733.60 | 313.60 | 206.60 | 193.80 | 130.00 | 123.00 | | 298.40 | | |
| 30 | 321.20 | 311.70 | 450.00 | 591.60 | 731.20 | 302.20 | 198.60 | 198.60 | 123.00 | 132.80 | | 342.10 | | |
| 31 | | 313.60 | | 560.80 | 724.00 | | 201.80 | | 121.60 | 150.00 | | 304.10 | | |
| Total | 8477.20 | 8213.70 | 11539.10 | 18866.00 | 22716.80 | 18373.30 | 7367.80 | 6186.00 | 4191.60 | 4070.00 | 5371.40 | 8386.90 | 123759.80 | CMSDAY |
| Mean | 282.57 | 264.96 | 384.64 | 608.58 | 732.80 | 612.44 | 237.67 | 206.20 | 135.21 | 131.29 | 191.84 | 270.55 | 339.07 | CMS |
| Max | 344.00 | 390.00 | 514.60 | 925.00 | 982.20 | 779.20 | 342.10 | 263.20 | 201.80 | 162.00 | 224.20 | 342.10 | 982.20 | CMS |
| Min | 238.60 | 134.20 | 319.30 | 464.00 | 543.20 | 302.20 | 165.00 | 174.00 | 90.30 | 87.70 | 135.60 | 219.40 | 87.70 | CMS |
| Runoff | 732.43 | 709.66 | 996.98 | 1630.02 | 1962.73 | 1587.45 | 636.58 | 534.47 | 362.15 | 351.65 | 464.09 | 724.63 | 10692.85 | MCM |

Momentary Peak 992.60 CMS. at 27.61 m. (MSL.) at 08.00 Hours , on Aug 13 , 2006

Runoff Yield 32.12 Liters/Second/Square KM. Momentary Peak Yield 94.02 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Lin Thin at Ban Nong Bang , Kanchanaburi (K.38A)

Lat 14 - 34 - 28 N Long 98 - 49 - 07 E

**Location : on left bank at KM. 95+700 on Kanchanaburi - Thong Pha Phum Highway.**

**Ban** Nong Bang **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 122 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +90.019 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +95.463 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily reading at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings. |
| **Period of Available Gage Records** | 2001 to date |
| **Rating Operation** | |
| **Period of Rating** | 2001 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2001 to date |
| **Stability of Channel Regimes** | Fairly stable by some scouring. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 50 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

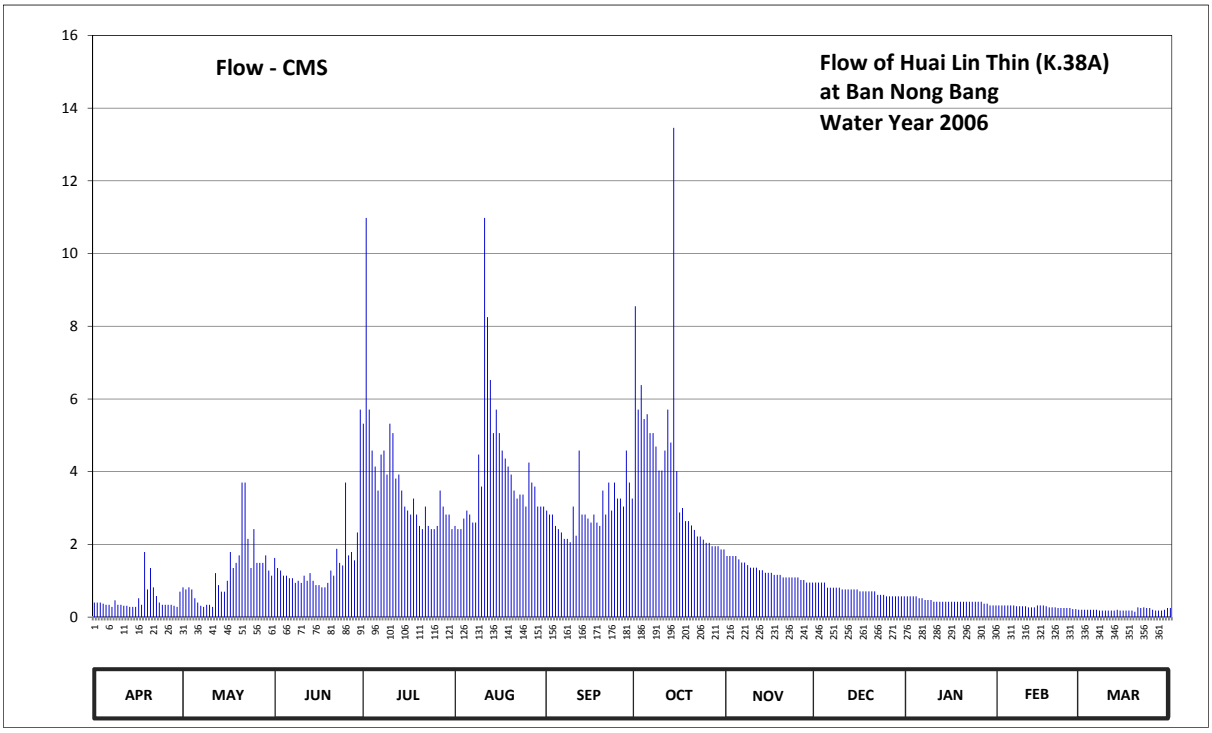
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90.50 | 90.57 | 90.69 | 91.04 | 90.79 | 90.83 | 91.27 | 90.82 | 90.72 | 90.65 | 90.60 | 90.55 | |
| 2 | 90.50 | 90.56 | 90.65 | 91.43 | 90.78 | 90.82 | 91.07 | 90.82 | 90.72 | 90.65 | 90.60 | 90.55 | |
| 3 | 90.50 | 90.57 | 90.64 | 91.07 | 90.78 | 90.82 | 91.12 | 90.82 | 90.72 | 90.65 | 90.60 | 90.55 | |
| 4 | 90.49 | 90.56 | 90.62 | 90.98 | 90.81 | 90.79 | 91.05 | 90.82 | 90.72 | 90.65 | 90.60 | 90.55 | |
| 5 | 90.48 | 90.52 | 90.62 | 90.94 | 90.83 | 90.78 | 91.06 | 90.81 | 90.70 | 90.64 | 90.60 | 90.55 | |
| 6 | 90.48 | 90.50 | 90.61 | 90.88 | 90.82 | 90.77 | 91.02 | 90.80 | 90.70 | 90.64 | 90.60 | 90.55 | |
| 7 | 90.46 | 90.47 | 90.61 | 90.97 | 90.80 | 90.75 | 91.02 | 90.80 | 90.70 | 90.63 | 90.59 | 90.54 | |
| 8 | 90.51 | 90.46 | 90.59 | 90.98 | 90.80 | 90.75 | 90.99 | 90.79 | 90.70 | 90.63 | 90.59 | 90.54 | |
| 9 | 90.48 | 90.48 | 90.60 | 90.92 | 90.97 | 90.74 | 90.93 | 90.78 | 90.70 | 90.63 | 90.59 | 90.54 | |
| 10 | 90.48 | 90.48 | 90.59 | 91.04 | 90.89 | 90.84 | 90.93 | 90.78 | 90.69 | 90.62 | 90.59 | 90.54 | |
| 11 | 90.47 | 90.46 | 90.62 | 91.02 | 91.43 | 90.76 | 90.98 | 90.78 | 90.69 | 90.62 | 90.58 | 90.54 | |
| 12 | 90.47 | 90.63 | 90.60 | 90.91 | 91.25 | 90.98 | 91.07 | 90.77 | 90.69 | 90.62 | 90.58 | 90.54 | |
| 13 | 90.46 | 90.58 | 90.63 | 90.92 | 91.13 | 90.82 | 91.00 | 90.77 | 90.69 | 90.62 | 90.58 | 90.55 | |
| 14 | 90.46 | 90.55 | 90.60 | 90.88 | 91.02 | 90.82 | 91.58 | 90.76 | 90.69 | 90.62 | 90.60 | 90.54 | |
| 15 | 90.46 | 90.55 | 90.58 | 90.84 | 91.07 | 90.81 | 91.03 | 90.76 | 90.69 | 90.62 | 90.60 | 90.54 | |
| 16 | 90.52 | 90.60 | 90.58 | 90.83 | 91.02 | 90.80 | 90.94 | 90.76 | 90.68 | 90.62 | 90.60 | 90.54 | |
| 17 | 90.48 | 90.71 | 90.57 | 90.82 | 90.98 | 90.82 | 90.95 | 90.75 | 90.68 | 90.62 | 90.59 | 90.54 | |
| 18 | 90.71 | 90.65 | 90.57 | 90.86 | 90.96 | 90.80 | 90.92 | 90.75 | 90.68 | 90.62 | 90.58 | 90.54 | |
| 19 | 90.56 | 90.67 | 90.59 | 90.82 | 90.94 | 90.79 | 90.92 | 90.75 | 90.68 | 90.62 | 90.58 | 90.53 | |
| 20 | 90.65 | 90.70 | 90.64 | 90.79 | 90.92 | 90.88 | 90.91 | 90.74 | 90.68 | 90.62 | 90.58 | 90.58 | |
| 21 | 90.57 | 90.90 | 90.62 | 90.78 | 90.88 | 90.82 | 90.90 | 90.74 | 90.68 | 90.62 | 90.57 | 90.57 | |
| 22 | 90.53 | 90.90 | 90.72 | 90.84 | 90.86 | 90.90 | 90.88 | 90.74 | 90.66 | 90.62 | 90.57 | 90.58 | |
| 23 | 90.50 | 90.75 | 90.67 | 90.79 | 90.87 | 90.83 | 90.88 | 90.74 | 90.66 | 90.62 | 90.57 | 90.57 | |
| 24 | 90.48 | 90.65 | 90.66 | 90.78 | 90.87 | 90.90 | 90.87 | 90.74 | 90.66 | 90.62 | 90.57 | 90.57 | |
| 25 | 90.48 | 90.78 | 90.90 | 90.78 | 90.84 | 90.86 | 90.86 | 90.74 | 90.65 | 90.62 | 90.57 | 90.55 | |
| 26 | 90.48 | 90.67 | 90.70 | 90.79 | 90.95 | 90.86 | 90.86 | 90.73 | 90.65 | 90.62 | 90.56 | 90.54 | |
| 27 | 90.48 | 90.67 | 90.71 | 90.88 | 90.90 | 90.84 | 90.85 | 90.73 | 90.65 | 90.61 | 90.56 | 90.54 | |
| 28 | 90.47 | 90.67 | 90.68 | 90.84 | 90.89 | 90.98 | 90.85 | 90.72 | 90.65 | 90.61 | 90.55 | 90.54 | |
| 29 | 90.46 | 90.70 | 90.77 | 90.82 | 90.84 | 90.90 | 90.85 | 90.72 | 90.65 | 90.60 | | 90.55 | |
| 30 | 90.55 | 90.64 | 91.07 | 90.82 | 90.84 | 90.86 | 90.84 | 90.72 | 90.65 | 90.60 | | 90.57 | |
| 31 | | 90.62 | | 90.78 | 90.84 | | 90.84 | | 90.65 | 90.60 | | 90.57 | |
| Mean | 90.50 | 90.62 | 90.66 | 90.90 | 90.92 | 90.83 | 90.98 | 90.76 | 90.68 | 90.62 | 90.58 | 90.55 | |
| Max | 90.71 | 90.90 | 91.07 | 91.43 | 91.43 | 90.98 | 91.58 | 90.82 | 90.72 | 90.65 | 90.60 | 90.58 | 91.58 |
| Min | 90.46 | 90.46 | 90.57 | 90.78 | 90.78 | 90.74 | 90.84 | 90.72 | 90.65 | 90.60 | 90.55 | 90.53 | 90.46 |

Annual Max Momentary Gage Height 92.50 m. (MSL.) , at 06.00 Hours , on Oct 14 , 2006

Zero Gage at Bottom Elevation 90.02 m. (MSL.) , River Bed 90.27 m. (MSL.)

Left Bank Elevation 94.02 m. (MSL.) ,

Right Bank Elevation 94.02 m. (MSL.) , Drainage Are 122 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.40 | 0.82 | 1.63 | 5.32 | 2.51 | 2.93 | 8.55 | 1.68 | 0.95 | 0.57 | 0.32 | 0.20 | | |
| 2 | 0.40 | 0.76 | 1.35 | 10.98 | 2.42 | 2.82 | 5.71 | 1.68 | 0.95 | 0.57 | 0.32 | 0.20 | | |
| 3 | 0.40 | 0.82 | 1.28 | 5.71 | 2.42 | 2.82 | 6.38 | 1.68 | 0.95 | 0.57 | 0.32 | 0.20 | | |
| 4 | 0.37 | 0.76 | 1.14 | 4.58 | 2.71 | 2.51 | 5.45 | 1.68 | 0.95 | 0.57 | 0.32 | 0.20 | | |
| 5 | 0.34 | 0.52 | 1.14 | 4.14 | 2.93 | 2.42 | 5.58 | 1.59 | 0.81 | 0.52 | 0.32 | 0.20 | | |
| 6 | 0.34 | 0.40 | 1.07 | 3.48 | 2.82 | 2.33 | 5.06 | 1.50 | 0.81 | 0.52 | 0.32 | 0.20 | | |
| 7 | 0.28 | 0.31 | 1.07 | 4.47 | 2.60 | 2.15 | 5.06 | 1.50 | 0.81 | 0.47 | 0.30 | 0.18 | | |
| 8 | 0.46 | 0.28 | 0.94 | 4.58 | 2.60 | 2.15 | 4.69 | 1.43 | 0.81 | 0.47 | 0.30 | 0.18 | | |
| 9 | 0.34 | 0.34 | 1.00 | 3.92 | 4.47 | 2.06 | 4.03 | 1.36 | 0.81 | 0.47 | 0.30 | 0.18 | | |
| 10 | 0.34 | 0.34 | 0.94 | 5.32 | 3.59 | 3.04 | 4.03 | 1.36 | 0.76 | 0.42 | 0.30 | 0.18 | | |
| 11 | 0.31 | 0.28 | 1.14 | 5.06 | 10.98 | 2.24 | 4.58 | 1.36 | 0.76 | 0.42 | 0.27 | 0.18 | | |
| 12 | 0.31 | 1.21 | 1.00 | 3.81 | 8.25 | 4.58 | 5.71 | 1.29 | 0.76 | 0.42 | 0.27 | 0.18 | | |
| 13 | 0.28 | 0.88 | 1.21 | 3.92 | 6.52 | 2.82 | 4.80 | 1.29 | 0.76 | 0.42 | 0.27 | 0.20 | | |
| 14 | 0.28 | 0.70 | 1.00 | 3.48 | 5.06 | 2.82 | 13.46 | 1.22 | 0.76 | 0.42 | 0.32 | 0.18 | | |
| 15 | 0.28 | 0.70 | 0.88 | 3.04 | 5.71 | 2.71 | 4.02 | 1.22 | 0.76 | 0.42 | 0.32 | 0.18 | | |
| 16 | 0.52 | 1.00 | 0.88 | 2.93 | 5.06 | 2.60 | 2.88 | 1.22 | 0.71 | 0.42 | 0.32 | 0.18 | | |
| 17 | 0.34 | 1.79 | 0.82 | 2.82 | 4.58 | 2.82 | 3.00 | 1.16 | 0.71 | 0.42 | 0.30 | 0.18 | | |
| 18 | 1.79 | 1.35 | 0.82 | 3.26 | 4.36 | 2.60 | 2.64 | 1.16 | 0.71 | 0.42 | 0.27 | 0.18 | | |
| 19 | 0.76 | 1.49 | 0.94 | 2.82 | 4.14 | 2.51 | 2.64 | 1.16 | 0.71 | 0.42 | 0.27 | 0.15 | | |
| 20 | 1.35 | 1.70 | 1.28 | 2.51 | 3.92 | 3.48 | 2.52 | 1.09 | 0.71 | 0.42 | 0.27 | 0.27 | | |
| 21 | 0.82 | 3.70 | 1.14 | 2.42 | 3.48 | 2.82 | 2.40 | 1.09 | 0.71 | 0.42 | 0.25 | 0.25 | | |
| 22 | 0.58 | 3.70 | 1.88 | 3.04 | 3.26 | 3.70 | 2.22 | 1.09 | 0.61 | 0.42 | 0.25 | 0.27 | | |
| 23 | 0.40 | 2.15 | 1.49 | 2.51 | 3.37 | 2.93 | 2.22 | 1.09 | 0.61 | 0.42 | 0.25 | 0.25 | | |
| 24 | 0.34 | 1.35 | 1.42 | 2.42 | 3.37 | 3.70 | 2.13 | 1.09 | 0.61 | 0.42 | 0.25 | 0.25 | | |
| 25 | 0.34 | 2.42 | 3.70 | 2.42 | 3.04 | 3.26 | 2.04 | 1.09 | 0.57 | 0.42 | 0.25 | 0.20 | | |
| 26 | 0.34 | 1.49 | 1.70 | 2.51 | 4.25 | 3.26 | 2.04 | 1.02 | 0.57 | 0.42 | 0.22 | 0.18 | | |
| 27 | 0.34 | 1.49 | 1.79 | 3.48 | 3.70 | 3.04 | 1.95 | 1.02 | 0.57 | 0.37 | 0.22 | 0.18 | | |
| 28 | 0.31 | 1.49 | 1.56 | 3.04 | 3.59 | 4.58 | 1.95 | 0.95 | 0.57 | 0.37 | 0.20 | 0.18 | | |
| 29 | 0.28 | 1.70 | 2.33 | 2.82 | 3.04 | 3.70 | 1.95 | 0.95 | 0.57 | 0.32 | | 0.20 | | |
| 30 | 0.70 | 1.28 | 5.71 | 2.82 | 3.04 | 3.26 | 1.86 | 0.95 | 0.57 | 0.32 | | 0.25 | | |
| 31 | | 1.14 | | 2.42 | 3.04 | | 1.86 | | 0.57 | 0.32 | | 0.25 | | |
| Total | 14.34 | 38.36 | 44.25 | 116.05 | 124.83 | 88.66 | 123.41 | 37.97 | 22.49 | 13.57 | 7.89 | 6.26 | 638.08 | CMSDAY |
| Mean | 0.48 | 1.24 | 1.48 | 3.74 | 4.03 | 2.96 | 3.98 | 1.27 | 0.73 | 0.44 | 0.28 | 0.20 | 1.75 | CMS |
| Max | 1.79 | 3.70 | 5.71 | 10.98 | 10.98 | 4.58 | 13.46 | 1.68 | 0.95 | 0.57 | 0.32 | 0.27 | 13.46 | CMS |
| Min | 0.28 | 0.28 | 0.82 | 2.42 | 2.42 | 2.06 | 1.86 | 0.95 | 0.57 | 0.32 | 0.20 | 0.15 | 0.15 | CMS |
| Runoff | 1.24 | 3.31 | 3.82 | 10.03 | 10.79 | 7.66 | 10.66 | 3.28 | 1.94 | 1.17 | 0.68 | 0.54 | 55.13 | MCM |

Momentary Peak 35.60 CMS. at 92.50 m. (MSL.) at 06.00 Hours , on Oct 14 , 2006

Runoff Yield 14.33 Liters/Second/Square KM. Momentary Peak Yield 291.80 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Ong Thi at Ban Ong Thi , Kanchanaburi (K.39)

Lat 14 - 42 - 21 N Long 98 - 40 - 19 E

**Location : on right bank at KM. 121+600 on Kanchanaburi - Thong Pha Phum Highway.**

**Ban** Ong Thi **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 51 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +81.783 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 16 meters from the third staff gage. **Elevation** +91.299 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily reading at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1984 to date |
| **Rating Operation** | |
| **Period of Rating** | 1985 - 1990 , 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1985 - 1990 , 1996 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 49 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

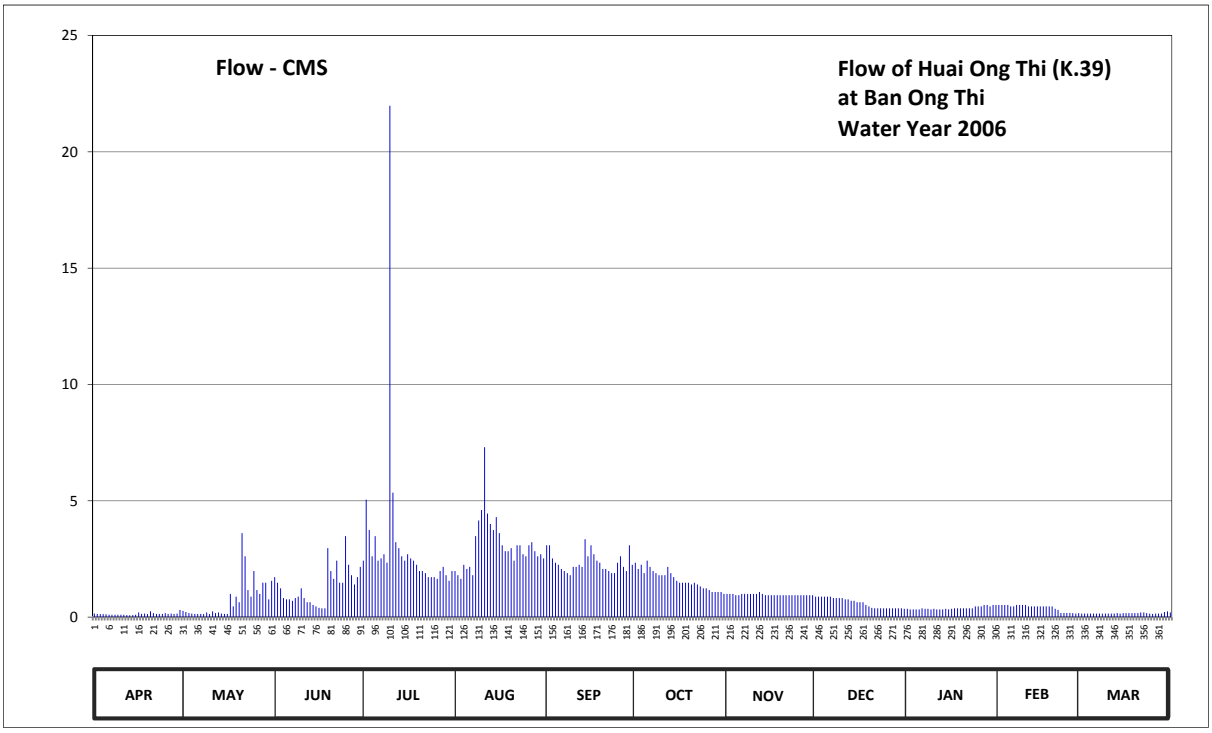
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 81.98 | 82.04 | 82.29 | 82.37 | 82.32 | 82.43 | 82.36 | 82.20 | 82.18 | 82.08 | 82.12 | 81.98 | |
| 2 | 81.97 | 82.02 | 82.26 | 82.57 | 82.30 | 82.43 | 82.33 | 82.20 | 82.18 | 82.07 | 82.12 | 81.98 | |
| 3 | 81.96 | 81.99 | 82.23 | 82.48 | 82.28 | 82.38 | 82.35 | 82.20 | 82.18 | 82.07 | 82.12 | 81.98 | |
| 4 | 81.96 | 81.98 | 82.17 | 82.39 | 82.35 | 82.36 | 82.31 | 82.19 | 82.18 | 82.07 | 82.12 | 81.98 | |
| 5 | 81.95 | 81.97 | 82.16 | 82.46 | 82.33 | 82.35 | 82.37 | 82.19 | 82.18 | 82.07 | 82.11 | 81.98 | |
| 6 | 81.94 | 81.97 | 82.16 | 82.37 | 82.34 | 82.33 | 82.34 | 82.20 | 82.18 | 82.09 | 82.11 | 81.98 | |
| 7 | 81.94 | 81.97 | 82.15 | 82.38 | 82.30 | 82.32 | 82.32 | 82.20 | 82.17 | 82.08 | 82.12 | 81.98 | |
| 8 | 81.94 | 81.96 | 82.17 | 82.40 | 82.46 | 82.31 | 82.31 | 82.20 | 82.17 | 82.08 | 82.12 | 81.98 | |
| 9 | 81.94 | 82.01 | 82.18 | 82.36 | 82.51 | 82.30 | 82.30 | 82.20 | 82.17 | 82.07 | 82.12 | 81.98 | |
| 10 | 81.94 | 81.96 | 82.23 | 83.26 | 82.54 | 82.34 | 82.30 | 82.20 | 82.17 | 82.08 | 82.12 | 81.98 | |
| 11 | 81.94 | 82.03 | 82.17 | 82.59 | 82.70 | 82.34 | 82.30 | 82.20 | 82.16 | 82.07 | 82.11 | 81.98 | |
| 12 | 81.93 | 81.99 | 82.14 | 82.44 | 82.53 | 82.35 | 82.34 | 82.21 | 82.16 | 82.07 | 82.11 | 81.98 | |
| 13 | 81.92 | 82.01 | 82.14 | 82.42 | 82.50 | 82.34 | 82.31 | 82.20 | 82.15 | 82.07 | 82.11 | 81.99 | |
| 14 | 81.93 | 81.98 | 82.12 | 82.39 | 82.48 | 82.45 | 82.29 | 82.19 | 82.15 | 82.08 | 82.11 | 81.98 | |
| 15 | 81.94 | 81.97 | 82.11 | 82.37 | 82.52 | 82.39 | 82.27 | 82.19 | 82.14 | 82.07 | 82.11 | 81.99 | |
| 16 | 82.01 | 81.97 | 82.10 | 82.40 | 82.47 | 82.43 | 82.26 | 82.19 | 82.14 | 82.08 | 82.11 | 81.99 | |
| 17 | 81.97 | 82.20 | 82.09 | 82.38 | 82.43 | 82.40 | 82.26 | 82.19 | 82.14 | 82.09 | 82.11 | 81.99 | |
| 18 | 81.98 | 82.11 | 82.09 | 82.37 | 82.41 | 82.37 | 82.26 | 82.19 | 82.12 | 82.09 | 82.11 | 81.99 | |
| 19 | 81.96 | 82.18 | 82.42 | 82.35 | 82.41 | 82.36 | 82.26 | 82.19 | 82.11 | 82.09 | 82.11 | 81.99 | |
| 20 | 82.03 | 82.14 | 82.32 | 82.32 | 82.42 | 82.33 | 82.25 | 82.19 | 82.10 | 82.09 | 82.08 | 81.99 | |
| 21 | 81.99 | 82.47 | 82.28 | 82.32 | 82.37 | 82.33 | 82.26 | 82.19 | 82.09 | 82.09 | 82.06 | 82.01 | |
| 22 | 81.97 | 82.39 | 82.37 | 82.31 | 82.43 | 82.32 | 82.25 | 82.19 | 82.09 | 82.09 | 82.00 | 82.01 | |
| 23 | 81.97 | 82.22 | 82.26 | 82.29 | 82.43 | 82.31 | 82.24 | 82.19 | 82.09 | 82.09 | 82.00 | 81.99 | |
| 24 | 81.97 | 82.18 | 82.26 | 82.29 | 82.40 | 82.31 | 82.23 | 82.19 | 82.09 | 82.11 | 82.00 | 81.98 | |
| 25 | 81.99 | 82.32 | 82.46 | 82.29 | 82.39 | 82.36 | 82.23 | 82.19 | 82.09 | 82.11 | 82.00 | 81.97 | |
| 26 | 81.97 | 82.22 | 82.35 | 82.28 | 82.43 | 82.39 | 82.22 | 82.19 | 82.09 | 82.11 | 81.99 | 81.98 | |
| 27 | 81.98 | 82.20 | 82.30 | 82.32 | 82.44 | 82.34 | 82.21 | 82.19 | 82.09 | 82.12 | 81.98 | 81.98 | |
| 28 | 81.97 | 82.26 | 82.25 | 82.34 | 82.41 | 82.32 | 82.21 | 82.19 | 82.09 | 82.12 | 81.99 | 81.98 | |
| 29 | 81.98 | 82.26 | 82.29 | 82.30 | 82.39 | 82.43 | 82.21 | 82.19 | 82.09 | 82.11 | | 82.02 | |
| 30 | 82.06 | 82.16 | 82.34 | 82.27 | 82.40 | 82.35 | 82.21 | 82.19 | 82.09 | 82.12 | | 82.03 | |
| 31 | | 82.27 | | 82.32 | 82.38 | | 82.20 | | 82.08 | 82.12 | | 82.01 | |
| Mean | 81.97 | 82.11 | 82.23 | 82.40 | 82.42 | 82.36 | 82.28 | 82.19 | 82.13 | 82.09 | 82.08 | 81.99 | |
| Max | 82.06 | 82.47 | 82.46 | 83.26 | 82.70 | 82.45 | 82.37 | 82.21 | 82.18 | 82.12 | 82.12 | 82.03 | 83.26 |
| Min | 81.92 | 81.96 | 82.09 | 82.27 | 82.28 | 82.30 | 82.20 | 82.19 | 82.08 | 82.07 | 81.98 | 81.97 | 81.92 |

Annual Max Momentary Gage Height 83.88 m. (MSL.) , at 07.00 Hours , on Jul 10 , 2006

Zero Gage at Bottom Elevation 81.78 m. (MSL.) , River Bed 81.69 m. (MSL.)

Left Bank Elevation 85.46 m. (MSL.) ,

Right Bank Elevation 84.66 m. (MSL.) , Drainage Are 51 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.15 | 0.27 | 1.72 | 2.43 | 1.98 | 3.09 | 2.34 | 1.00 | 0.88 | 0.36 | 0.52 | 0.15 | | |
| 2 | 0.14 | 0.22 | 1.48 | 5.05 | 1.80 | 3.09 | 2.07 | 1.00 | 0.88 | 0.33 | 0.52 | 0.15 | | |
| 3 | 0.13 | 0.17 | 1.24 | 3.74 | 1.64 | 2.52 | 2.25 | 1.00 | 0.88 | 0.33 | 0.52 | 0.15 | | |
| 4 | 0.13 | 0.15 | 0.82 | 2.61 | 2.25 | 2.34 | 1.89 | 0.94 | 0.88 | 0.33 | 0.52 | 0.15 | | |
| 5 | 0.12 | 0.14 | 0.76 | 3.48 | 2.07 | 2.25 | 2.43 | 0.94 | 0.88 | 0.33 | 0.46 | 0.15 | | |
| 6 | 0.10 | 0.14 | 0.76 | 2.43 | 2.16 | 2.07 | 2.16 | 1.00 | 0.88 | 0.38 | 0.46 | 0.15 | | |
| 7 | 0.10 | 0.14 | 0.70 | 2.52 | 1.80 | 1.98 | 1.98 | 1.00 | 0.82 | 0.36 | 0.52 | 0.15 | | |
| 8 | 0.10 | 0.13 | 0.82 | 2.70 | 3.48 | 1.89 | 1.89 | 1.00 | 0.82 | 0.36 | 0.52 | 0.15 | | |
| 9 | 0.10 | 0.20 | 0.88 | 2.34 | 4.15 | 1.80 | 1.80 | 1.00 | 0.82 | 0.33 | 0.52 | 0.15 | | |
| 10 | 0.10 | 0.13 | 1.24 | 21.98 | 4.60 | 2.16 | 1.80 | 1.00 | 0.82 | 0.36 | 0.52 | 0.15 | | |
| 11 | 0.10 | 0.25 | 0.82 | 5.35 | 7.30 | 2.16 | 1.80 | 1.00 | 0.76 | 0.33 | 0.46 | 0.15 | | |
| 12 | 0.09 | 0.17 | 0.64 | 3.22 | 4.45 | 2.25 | 2.16 | 1.08 | 0.76 | 0.33 | 0.46 | 0.15 | | |
| 13 | 0.08 | 0.20 | 0.64 | 2.96 | 4.00 | 2.16 | 1.89 | 1.00 | 0.70 | 0.33 | 0.46 | 0.17 | | |
| 14 | 0.09 | 0.15 | 0.52 | 2.61 | 3.74 | 3.35 | 1.72 | 0.94 | 0.70 | 0.36 | 0.46 | 0.15 | | |
| 15 | 0.10 | 0.14 | 0.46 | 2.43 | 4.30 | 2.61 | 1.56 | 0.94 | 0.64 | 0.33 | 0.46 | 0.17 | | |
| 16 | 0.20 | 0.14 | 0.40 | 2.70 | 3.61 | 3.09 | 1.48 | 0.94 | 0.64 | 0.36 | 0.46 | 0.17 | | |
| 17 | 0.14 | 1.00 | 0.38 | 2.52 | 3.09 | 2.70 | 1.48 | 0.94 | 0.64 | 0.38 | 0.46 | 0.17 | | |
| 18 | 0.15 | 0.46 | 0.38 | 2.43 | 2.83 | 2.43 | 1.48 | 0.94 | 0.52 | 0.38 | 0.46 | 0.17 | | |
| 19 | 0.13 | 0.88 | 2.96 | 2.25 | 2.83 | 2.34 | 1.48 | 0.94 | 0.46 | 0.38 | 0.46 | 0.17 | | |
| 20 | 0.25 | 0.64 | 1.98 | 1.98 | 2.96 | 2.07 | 1.40 | 0.94 | 0.40 | 0.38 | 0.36 | 0.17 | | |
| 21 | 0.17 | 3.61 | 1.64 | 1.98 | 2.43 | 2.07 | 1.48 | 0.94 | 0.38 | 0.38 | 0.31 | 0.20 | | |
| 22 | 0.14 | 2.61 | 2.43 | 1.89 | 3.09 | 1.98 | 1.40 | 0.94 | 0.38 | 0.38 | 0.18 | 0.20 | | |
| 23 | 0.14 | 1.16 | 1.48 | 1.72 | 3.09 | 1.89 | 1.32 | 0.94 | 0.38 | 0.38 | 0.18 | 0.17 | | |
| 24 | 0.14 | 0.88 | 1.48 | 1.72 | 2.70 | 1.89 | 1.24 | 0.94 | 0.38 | 0.46 | 0.18 | 0.15 | | |
| 25 | 0.17 | 1.98 | 3.48 | 1.72 | 2.61 | 2.34 | 1.24 | 0.94 | 0.38 | 0.46 | 0.18 | 0.14 | | |
| 26 | 0.14 | 1.16 | 2.25 | 1.64 | 3.09 | 2.61 | 1.16 | 0.94 | 0.38 | 0.46 | 0.17 | 0.15 | | |
| 27 | 0.15 | 1.00 | 1.80 | 1.98 | 3.22 | 2.16 | 1.08 | 0.94 | 0.38 | 0.52 | 0.15 | 0.15 | | |
| 28 | 0.14 | 1.48 | 1.40 | 2.16 | 2.83 | 1.98 | 1.08 | 0.94 | 0.38 | 0.52 | 0.17 | 0.15 | | |
| 29 | 0.15 | 1.48 | 1.72 | 1.80 | 2.61 | 3.09 | 1.08 | 0.94 | 0.38 | 0.46 | | 0.22 | | |
| 30 | 0.31 | 0.76 | 2.16 | 1.56 | 2.70 | 2.25 | 1.08 | 0.94 | 0.38 | 0.52 | | 0.25 | | |
| 31 | | 1.56 | | 1.98 | 2.52 | | 1.00 | | 0.36 | 0.52 | | 0.20 | | |
| Total | 4.15 | 23.40 | 39.44 | 97.88 | 95.93 | 70.61 | 50.22 | 28.94 | 18.94 | 12.09 | 11.10 | 5.12 | 457.82 | CMSDAY |
| Mean | 0.14 | 0.75 | 1.31 | 3.16 | 3.09 | 2.35 | 1.62 | 0.96 | 0.61 | 0.39 | 0.40 | 0.17 | 1.25 | CMS |
| Max | 0.31 | 3.61 | 3.48 | 21.98 | 7.30 | 3.35 | 2.43 | 1.08 | 0.88 | 0.52 | 0.52 | 0.25 | 21.98 | CMS |
| Min | 0.08 | 0.13 | 0.38 | 1.56 | 1.64 | 1.80 | 1.00 | 0.94 | 0.36 | 0.33 | 0.15 | 0.14 | 0.08 | CMS |
| Runoff | 0.36 | 2.02 | 3.41 | 8.46 | 8.29 | 6.10 | 4.34 | 2.50 | 1.64 | 1.04 | 0.96 | 0.44 | 39.56 | MCM |

Momentary Peak 49.00 CMS. at 83.88 m. (MSL.) at 07.00 Hours , on Jul 10 , 2006

Runoff Yield 24.59 Liters/Second/Square KM. Momentary Peak Yield 960.78 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Diso at Ban Hin Laem , Kanchanaburi (K.50)

Lat 14 - 38 - 39 N Long 98 - 42 - 04 E

**Location : on right bank at the bridge on Kanchanaburi - Thong Pha Phum Highway from Tambon Tha Khanun.**

**Ban** Hin Laem **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 123 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +79.811 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +85.827 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily reading at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1986 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 , 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987, 1996 to date |
| **Stability of Channel Regimes** | Fairly stable by some scouring. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records poor. Stage-discharge relation defined by 50 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

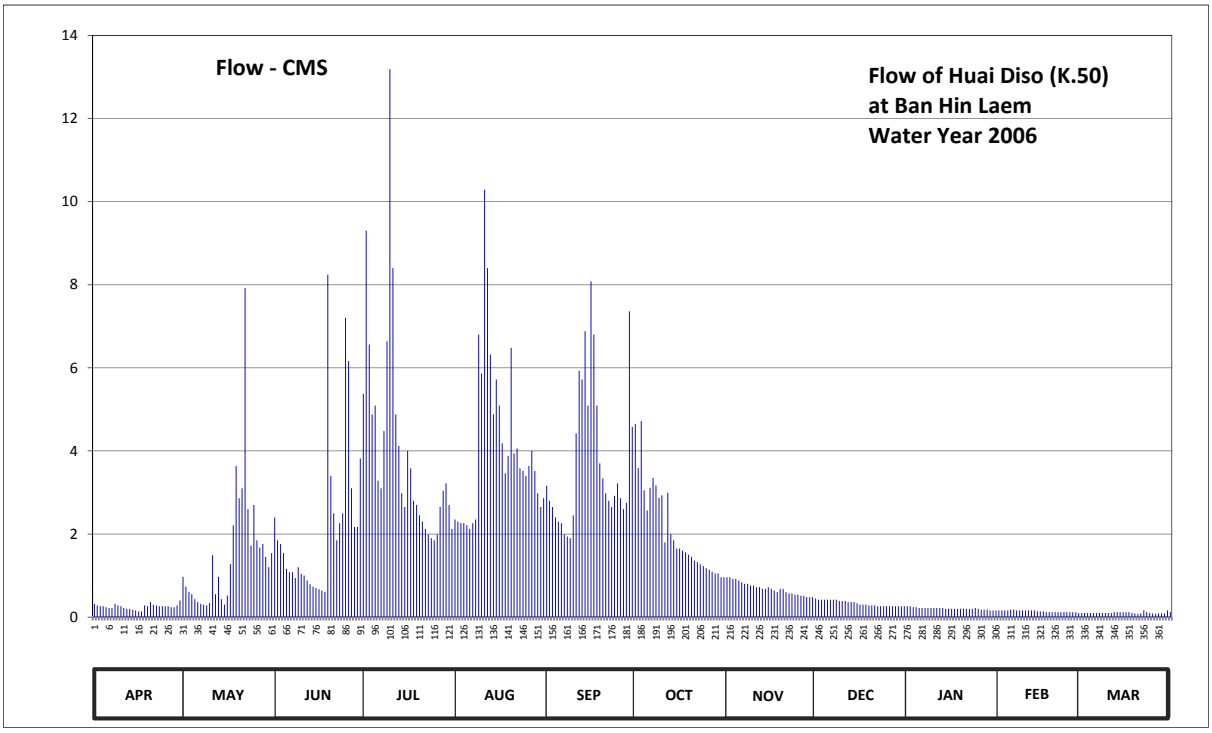
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 80.36 | 80.59 | 80.92 | 81.41 | 80.91 | 81.06 | 81.35 | 80.69 | 80.55 | 80.48 | 80.43 | 80.40 | |
| 2 | 80.34 | 80.51 | 80.80 | 81.90 | 80.90 | 81.00 | 81.19 | 80.69 | 80.54 | 80.48 | 80.43 | 80.40 | |
| 3 | 80.33 | 80.47 | 80.78 | 81.57 | 80.89 | 80.97 | 81.36 | 80.68 | 80.54 | 80.47 | 80.43 | 80.40 | |
| 4 | 80.33 | 80.45 | 80.73 | 81.34 | 80.89 | 80.92 | 81.10 | 80.68 | 80.54 | 80.47 | 80.43 | 80.40 | |
| 5 | 80.32 | 80.41 | 80.64 | 81.37 | 80.88 | 80.90 | 81.02 | 80.67 | 80.54 | 80.46 | 80.44 | 80.40 | |
| 6 | 80.31 | 80.38 | 80.62 | 81.08 | 80.86 | 80.89 | 81.11 | 80.66 | 80.54 | 80.46 | 80.44 | 80.40 | |
| 7 | 80.31 | 80.36 | 80.62 | 81.05 | 80.89 | 80.83 | 81.15 | 80.65 | 80.54 | 80.46 | 80.43 | 80.40 | |
| 8 | 80.36 | 80.35 | 80.58 | 81.28 | 80.91 | 80.82 | 81.12 | 80.65 | 80.54 | 80.46 | 80.43 | 80.40 | |
| 9 | 80.34 | 80.34 | 80.65 | 81.58 | 81.60 | 80.81 | 81.07 | 80.64 | 80.53 | 80.46 | 80.43 | 80.40 | |
| 10 | 80.33 | 80.37 | 80.61 | 82.33 | 81.48 | 80.93 | 81.08 | 80.64 | 80.53 | 80.46 | 80.43 | 80.40 | |
| 11 | 80.31 | 80.72 | 80.60 | 81.80 | 82.01 | 81.27 | 80.87 | 80.63 | 80.53 | 80.46 | 80.43 | 80.40 | |
| 12 | 80.30 | 80.45 | 80.56 | 81.34 | 81.80 | 81.49 | 81.09 | 80.63 | 80.52 | 80.46 | 80.43 | 80.41 | |
| 13 | 80.30 | 80.59 | 80.53 | 81.22 | 81.54 | 81.46 | 80.91 | 80.62 | 80.52 | 80.46 | 80.43 | 80.41 | |
| 14 | 80.29 | 80.41 | 80.51 | 81.03 | 81.34 | 81.61 | 80.88 | 80.62 | 80.52 | 80.45 | 80.42 | 80.41 | |
| 15 | 80.28 | 80.35 | 80.50 | 80.97 | 81.46 | 81.37 | 80.84 | 80.63 | 80.51 | 80.45 | 80.42 | 80.41 | |
| 16 | 80.27 | 80.44 | 80.49 | 81.20 | 81.37 | 81.76 | 80.84 | 80.62 | 80.50 | 80.45 | 80.42 | 80.41 | |
| 17 | 80.27 | 80.67 | 80.48 | 81.13 | 81.23 | 81.60 | 80.83 | 80.61 | 80.50 | 80.45 | 80.41 | 80.41 | |
| 18 | 80.34 | 80.88 | 80.47 | 81.00 | 81.11 | 81.37 | 80.82 | 80.60 | 80.50 | 80.45 | 80.41 | 80.40 | |
| 19 | 80.33 | 81.14 | 81.78 | 80.98 | 81.18 | 81.15 | 80.81 | 80.62 | 80.49 | 80.45 | 80.41 | 80.39 | |
| 20 | 80.38 | 81.01 | 81.10 | 80.93 | 81.56 | 81.09 | 80.80 | 80.62 | 80.49 | 80.45 | 80.41 | 80.38 | |
| 21 | 80.35 | 81.05 | 80.94 | 80.90 | 81.19 | 81.03 | 80.78 | 80.60 | 80.49 | 80.45 | 80.41 | 80.39 | |
| 22 | 80.34 | 81.74 | 80.80 | 80.86 | 81.21 | 81.00 | 80.77 | 80.59 | 80.48 | 80.45 | 80.41 | 80.43 | |
| 23 | 80.33 | 80.96 | 80.89 | 80.83 | 81.13 | 80.97 | 80.76 | 80.59 | 80.48 | 80.45 | 80.41 | 80.41 | |
| 24 | 80.33 | 80.77 | 80.94 | 80.81 | 81.12 | 81.02 | 80.75 | 80.58 | 80.48 | 80.46 | 80.41 | 80.40 | |
| 25 | 80.33 | 80.98 | 81.65 | 80.80 | 81.10 | 81.07 | 80.74 | 80.58 | 80.48 | 80.45 | 80.41 | 80.39 | |
| 26 | 80.33 | 80.80 | 81.52 | 80.83 | 81.14 | 81.01 | 80.73 | 80.57 | 80.48 | 80.44 | 80.41 | 80.38 | |
| 27 | 80.32 | 80.76 | 81.05 | 80.97 | 81.20 | 80.96 | 80.72 | 80.57 | 80.48 | 80.44 | 80.41 | 80.39 | |
| 28 | 80.32 | 80.78 | 80.87 | 81.04 | 81.12 | 80.99 | 80.71 | 80.56 | 80.48 | 80.44 | 80.40 | 80.39 | |
| 29 | 80.34 | 80.71 | 80.87 | 81.07 | 81.03 | 81.67 | 80.71 | 80.56 | 80.48 | 80.43 | | 80.39 | |
| 30 | 80.40 | 80.65 | 81.17 | 80.98 | 80.97 | 81.34 | 80.69 | 80.56 | 80.48 | 80.43 | | 80.43 | |
| 31 | | 80.73 | | 80.86 | 81.01 | | 80.69 | | 80.48 | 80.43 | | 80.41 | |
| Mean | 80.33 | 80.67 | 80.82 | 81.18 | 81.19 | 81.15 | 80.91 | 80.62 | 80.51 | 80.45 | 80.42 | 80.40 | |
| Max | 80.40 | 81.74 | 81.78 | 82.33 | 82.01 | 81.76 | 81.36 | 80.69 | 80.55 | 80.48 | 80.44 | 80.43 | 82.33 |
| Min | 80.27 | 80.34 | 80.47 | 80.80 | 80.86 | 80.81 | 80.69 | 80.56 | 80.48 | 80.43 | 80.40 | 80.38 | 80.27 |

Annual Max Momentary Gage Height 82.43 m. (MSL.) , at 15.00 Hours , on Jul 10 , 2006

Zero Gage at Bottom Elevation 79.81 m. (MSL.) , River Bed 79.99 m. (MSL.)

Left Bank Elevation 82.97 m. (MSL.) ,

Right Bank Elevation 82.84 m. (MSL.) , Drainage Are 123 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.32 | 0.97 | 2.40 | 5.37 | 2.35 | 3.16 | 4.65 | 0.96 | 0.45 | 0.26 | 0.16 | 0.10 | | |
| 2 | 0.28 | 0.73 | 1.85 | 9.30 | 2.30 | 2.80 | 3.59 | 0.96 | 0.42 | 0.26 | 0.16 | 0.10 | | |
| 3 | 0.26 | 0.61 | 1.76 | 6.56 | 2.26 | 2.65 | 4.72 | 0.92 | 0.42 | 0.24 | 0.16 | 0.10 | | |
| 4 | 0.26 | 0.55 | 1.54 | 4.88 | 2.26 | 2.40 | 3.05 | 0.92 | 0.42 | 0.24 | 0.16 | 0.10 | | |
| 5 | 0.24 | 0.43 | 1.16 | 5.09 | 2.21 | 2.30 | 2.57 | 0.88 | 0.42 | 0.22 | 0.18 | 0.10 | | |
| 6 | 0.22 | 0.36 | 1.08 | 3.28 | 2.12 | 2.26 | 3.11 | 0.84 | 0.42 | 0.22 | 0.18 | 0.10 | | |
| 7 | 0.22 | 0.32 | 1.08 | 3.10 | 2.26 | 1.99 | 3.35 | 0.80 | 0.42 | 0.22 | 0.16 | 0.10 | | |
| 8 | 0.32 | 0.30 | 0.94 | 4.48 | 2.35 | 1.94 | 3.17 | 0.80 | 0.42 | 0.22 | 0.16 | 0.10 | | |
| 9 | 0.28 | 0.28 | 1.20 | 6.64 | 6.80 | 1.90 | 2.87 | 0.76 | 0.39 | 0.22 | 0.16 | 0.10 | | |
| 10 | 0.26 | 0.34 | 1.04 | 13.19 | 5.86 | 2.45 | 2.93 | 0.76 | 0.39 | 0.22 | 0.16 | 0.10 | | |
| 11 | 0.22 | 1.49 | 1.00 | 8.40 | 10.29 | 4.42 | 1.80 | 0.72 | 0.39 | 0.22 | 0.16 | 0.10 | | |
| 12 | 0.20 | 0.55 | 0.88 | 4.88 | 8.40 | 5.93 | 2.99 | 0.72 | 0.36 | 0.22 | 0.16 | 0.12 | | |
| 13 | 0.20 | 0.97 | 0.79 | 4.12 | 6.32 | 5.72 | 2.00 | 0.68 | 0.36 | 0.22 | 0.16 | 0.12 | | |
| 14 | 0.18 | 0.43 | 0.73 | 2.98 | 4.88 | 6.88 | 1.85 | 0.68 | 0.36 | 0.20 | 0.14 | 0.12 | | |
| 15 | 0.16 | 0.30 | 0.70 | 2.65 | 5.72 | 5.09 | 1.65 | 0.72 | 0.33 | 0.20 | 0.14 | 0.12 | | |
| 16 | 0.14 | 0.52 | 0.67 | 4.00 | 5.09 | 8.08 | 1.65 | 0.68 | 0.30 | 0.20 | 0.14 | 0.12 | | |
| 17 | 0.14 | 1.28 | 0.64 | 3.58 | 4.18 | 6.80 | 1.60 | 0.64 | 0.30 | 0.20 | 0.12 | 0.12 | | |
| 18 | 0.28 | 2.21 | 0.61 | 2.80 | 3.46 | 5.09 | 1.55 | 0.60 | 0.30 | 0.20 | 0.12 | 0.10 | | |
| 19 | 0.26 | 3.64 | 8.24 | 2.70 | 3.88 | 3.70 | 1.50 | 0.68 | 0.28 | 0.20 | 0.12 | 0.09 | | |
| 20 | 0.36 | 2.86 | 3.40 | 2.45 | 6.48 | 3.34 | 1.45 | 0.68 | 0.28 | 0.20 | 0.12 | 0.08 | | |
| 21 | 0.30 | 3.10 | 2.50 | 2.30 | 3.94 | 2.98 | 1.36 | 0.60 | 0.28 | 0.20 | 0.12 | 0.09 | | |
| 22 | 0.28 | 7.92 | 1.85 | 2.12 | 4.06 | 2.80 | 1.32 | 0.57 | 0.26 | 0.20 | 0.12 | 0.16 | | |
| 23 | 0.26 | 2.60 | 2.26 | 1.99 | 3.58 | 2.65 | 1.27 | 0.57 | 0.26 | 0.20 | 0.12 | 0.12 | | |
| 24 | 0.26 | 1.72 | 2.50 | 1.90 | 3.52 | 2.92 | 1.23 | 0.54 | 0.26 | 0.22 | 0.12 | 0.10 | | |
| 25 | 0.26 | 2.70 | 7.20 | 1.85 | 3.40 | 3.22 | 1.18 | 0.54 | 0.26 | 0.20 | 0.12 | 0.09 | | |
| 26 | 0.26 | 1.85 | 6.16 | 1.99 | 3.64 | 2.86 | 1.14 | 0.51 | 0.26 | 0.18 | 0.12 | 0.08 | | |
| 27 | 0.24 | 1.67 | 3.10 | 2.65 | 4.00 | 2.60 | 1.09 | 0.51 | 0.26 | 0.18 | 0.12 | 0.09 | | |
| 28 | 0.24 | 1.76 | 2.17 | 3.04 | 3.52 | 2.75 | 1.05 | 0.48 | 0.26 | 0.18 | 0.10 | 0.09 | | |
| 29 | 0.28 | 1.45 | 2.17 | 3.22 | 2.98 | 7.36 | 1.05 | 0.48 | 0.26 | 0.16 | | 0.09 | | |
| 30 | 0.40 | 1.20 | 3.82 | 2.70 | 2.65 | 4.58 | 0.96 | 0.48 | 0.26 | 0.16 | | 0.16 | | |
| 31 | | 1.54 | | 2.12 | 2.86 | | 0.96 | | 0.26 | 0.16 | | 0.12 | | |
| Total | 7.58 | 46.65 | 65.44 | 126.33 | 127.62 | 113.62 | 64.66 | 20.68 | 10.31 | 6.42 | 3.96 | 3.28 | 596.55 | CMSDAY |
| Mean | 0.25 | 1.50 | 2.18 | 4.08 | 4.12 | 3.79 | 2.09 | 0.69 | 0.33 | 0.21 | 0.14 | 0.11 | 1.63 | CMS |
| Max | 0.40 | 7.92 | 8.24 | 13.19 | 10.29 | 8.08 | 4.72 | 0.96 | 0.45 | 0.26 | 0.18 | 0.16 | 13.19 | CMS |
| Min | 0.14 | 0.28 | 0.61 | 1.85 | 2.12 | 1.90 | 0.96 | 0.48 | 0.26 | 0.16 | 0.10 | 0.08 | 0.08 | CMS |
| Runoff | 0.65 | 4.03 | 5.65 | 10.91 | 11.03 | 9.82 | 5.59 | 1.79 | 0.89 | 0.55 | 0.34 | 0.28 | 51.54 | MCM |

Momentary Peak 13.95 CMS. at 82.43 m. (MSL.) at 15.00 Hours , on Jul 10 , 2006

Runoff Yield 13.29 Liters/Second/Square KM. Momentary Peak Yield 113.41 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Kraban at Ban Si Mong Khon, Kanchanaburi (K.53)

Lat 14 - 01 - 38 N Long 99 - 13 - 23 E

**Location : on right bank at the bridge on road.**

| | | | |
|---|---|---|---|
| | **Ban** Si Mong Khon | **Amphoe** Sai Yok | **Changwat** Kanchanaburi |
| **Drainge Area** | 308 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +34.625 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 20 meters from the top staff gage. | | **Elevation** +40.952 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1992 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1992 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1992 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 47 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

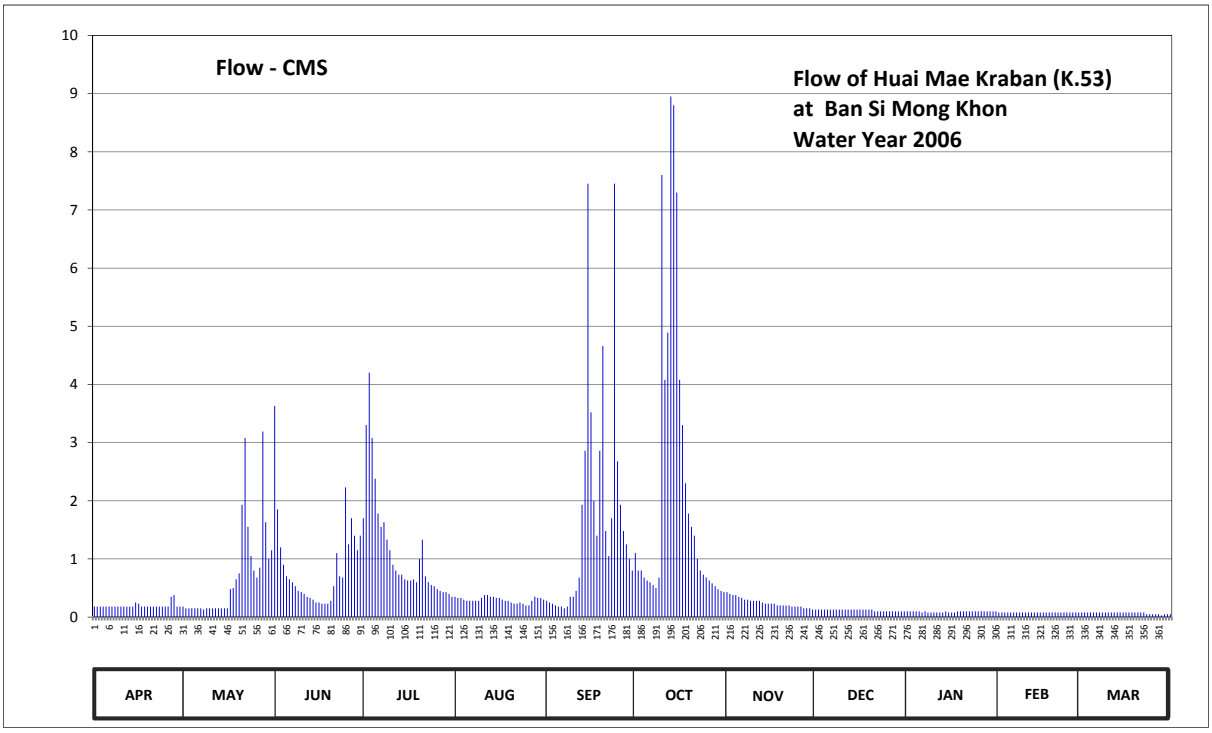
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36.07 | 36.07 | 36.68 | 36.46 | 36.14 | 36.11 | 36.37 | 36.17 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 2 | 36.07 | 36.06 | 36.48 | 36.65 | 36.13 | 36.10 | 36.31 | 36.16 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 3 | 36.07 | 36.06 | 36.39 | 36.73 | 36.13 | 36.09 | 36.31 | 36.15 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 4 | 36.07 | 36.06 | 36.33 | 36.63 | 36.12 | 36.08 | 36.27 | 36.15 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 5 | 36.07 | 36.06 | 36.28 | 36.55 | 36.11 | 36.07 | 36.25 | 36.14 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 6 | 36.07 | 36.06 | 36.26 | 36.47 | 36.11 | 36.07 | 36.24 | 36.13 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 7 | 36.07 | 36.06 | 36.24 | 36.44 | 36.11 | 36.06 | 36.22 | 36.12 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 8 | 36.07 | 36.05 | 36.21 | 36.45 | 36.11 | 36.07 | 36.20 | 36.12 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 9 | 36.07 | 36.06 | 36.18 | 36.41 | 36.11 | 36.14 | 36.27 | 36.11 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 10 | 36.07 | 36.06 | 36.17 | 36.38 | 36.13 | 36.14 | 36.99 | 36.11 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 11 | 36.07 | 36.06 | 36.16 | 36.33 | 36.15 | 36.18 | 36.72 | 36.11 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 12 | 36.07 | 36.06 | 36.14 | 36.31 | 36.15 | 36.27 | 36.79 | 36.11 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 13 | 36.07 | 36.06 | 36.13 | 36.29 | 36.14 | 36.49 | 37.08 | 36.10 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 14 | 36.07 | 36.06 | 36.12 | 36.29 | 36.14 | 36.61 | 37.07 | 36.09 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 15 | 36.10 | 36.06 | 36.10 | 36.26 | 36.13 | 36.98 | 36.97 | 36.09 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 16 | 36.09 | 36.06 | 36.10 | 36.25 | 36.13 | 36.67 | 36.72 | 36.09 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 17 | 36.07 | 36.19 | 36.09 | 36.25 | 36.12 | 36.50 | 36.65 | 36.09 | 36.05 | 36.03 | 36.03 | 36.03 | |
| 18 | 36.07 | 36.20 | 36.09 | 36.26 | 36.11 | 36.42 | 36.54 | 36.08 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 19 | 36.07 | 36.26 | 36.09 | 36.24 | 36.11 | 36.61 | 36.47 | 36.08 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 20 | 36.07 | 36.30 | 36.11 | 36.35 | 36.10 | 36.77 | 36.44 | 36.08 | 36.05 | 36.04 | 36.03 | 36.03 | |
| 21 | 36.07 | 36.49 | 36.21 | 36.41 | 36.09 | 36.43 | 36.42 | 36.08 | 36.04 | 36.04 | 36.03 | 36.03 | |
| 22 | 36.07 | 36.63 | 36.37 | 36.28 | 36.09 | 36.36 | 36.35 | 36.08 | 36.04 | 36.04 | 36.03 | 36.03 | |
| 23 | 36.07 | 36.44 | 36.28 | 36.24 | 36.10 | 36.46 | 36.31 | 36.07 | 36.04 | 36.04 | 36.03 | 36.02 | |
| 24 | 36.07 | 36.36 | 36.27 | 36.22 | 36.09 | 36.98 | 36.29 | 36.07 | 36.04 | 36.04 | 36.03 | 36.02 | |
| 25 | 36.07 | 36.31 | 36.53 | 36.21 | 36.08 | 36.59 | 36.27 | 36.07 | 36.04 | 36.04 | 36.03 | 36.02 | |
| 26 | 36.07 | 36.27 | 36.40 | 36.19 | 36.08 | 36.49 | 36.25 | 36.07 | 36.04 | 36.04 | 36.03 | 36.02 | |
| 27 | 36.14 | 36.32 | 36.46 | 36.18 | 36.11 | 36.43 | 36.23 | 36.06 | 36.04 | 36.04 | 36.03 | 36.02 | |
| 28 | 36.15 | 36.64 | 36.42 | 36.17 | 36.14 | 36.40 | 36.21 | 36.06 | 36.04 | 36.04 | 36.03 | 36.01 | |
| 29 | 36.07 | 36.45 | 36.38 | 36.17 | 36.13 | 36.35 | 36.19 | 36.06 | 36.04 | 36.04 | | 36.02 | |
| 30 | 36.07 | 36.35 | 36.42 | 36.16 | 36.13 | 36.31 | 36.18 | 36.05 | 36.04 | 36.04 | | 36.02 | |
| 31 | | 36.38 | | 36.14 | 36.12 | | 36.17 | | 36.04 | 36.04 | | 36.02 | |
| Mean | 36.08 | 36.21 | 36.27 | 36.33 | 36.12 | 36.37 | 36.44 | 36.10 | 36.05 | 36.04 | 36.03 | 36.03 | |
| Max | 36.15 | 36.64 | 36.68 | 36.73 | 36.15 | 36.98 | 37.08 | 36.17 | 36.05 | 36.04 | 36.03 | 36.03 | 37.08 |
| Min | 36.07 | 36.05 | 36.09 | 36.14 | 36.08 | 36.06 | 36.17 | 36.05 | 36.04 | 36.03 | 36.03 | 36.01 | 36.01 |

Annual Max Momentary Gage Height 37.73 m. (MSL.) , at 23.00 Hours , on Sep 19 , 2006

Zero Gage at Bottom Elevation 34.63 m. (MSL.) , River Bed 35.94 m. (MSL.)

Left Bank Elevation 39.72 m. (MSL.) ,

Right Bank Elevation 39.73 m. (MSL.) , Drainage Are 308 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.18 | 0.18 | 3.63 | 1.70 | 0.35 | 0.28 | 1.10 | 0.43 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 2 | 0.18 | 0.15 | 1.85 | 3.30 | 0.33 | 0.25 | 0.80 | 0.40 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 3 | 0.18 | 0.15 | 1.20 | 4.20 | 0.33 | 0.23 | 0.80 | 0.38 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 4 | 0.18 | 0.15 | 0.90 | 3.08 | 0.30 | 0.20 | 0.68 | 0.38 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 5 | 0.18 | 0.15 | 0.70 | 2.38 | 0.28 | 0.18 | 0.63 | 0.35 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 6 | 0.18 | 0.15 | 0.65 | 1.78 | 0.28 | 0.18 | 0.60 | 0.33 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 7 | 0.18 | 0.15 | 0.60 | 1.55 | 0.28 | 0.15 | 0.55 | 0.30 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 8 | 0.18 | 0.13 | 0.53 | 1.63 | 0.28 | 0.18 | 0.50 | 0.30 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 9 | 0.18 | 0.15 | 0.45 | 1.33 | 0.28 | 0.35 | 0.68 | 0.28 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 10 | 0.18 | 0.15 | 0.43 | 1.15 | 0.33 | 0.35 | 7.60 | 0.28 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 11 | 0.18 | 0.15 | 0.40 | 0.90 | 0.38 | 0.45 | 4.08 | 0.28 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 12 | 0.18 | 0.15 | 0.35 | 0.80 | 0.38 | 0.68 | 4.89 | 0.28 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 13 | 0.18 | 0.15 | 0.33 | 0.73 | 0.35 | 1.93 | 8.95 | 0.25 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 14 | 0.18 | 0.15 | 0.30 | 0.73 | 0.35 | 2.86 | 8.80 | 0.23 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 15 | 0.25 | 0.15 | 0.25 | 0.65 | 0.33 | 7.45 | 7.30 | 0.23 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 16 | 0.23 | 0.15 | 0.25 | 0.63 | 0.33 | 3.52 | 4.08 | 0.23 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 17 | 0.18 | 0.48 | 0.23 | 0.63 | 0.30 | 2.00 | 3.30 | 0.23 | 0.13 | 0.08 | 0.08 | 0.08 | | |
| 18 | 0.18 | 0.50 | 0.23 | 0.65 | 0.28 | 1.40 | 2.30 | 0.20 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 19 | 0.18 | 0.65 | 0.23 | 0.60 | 0.28 | 2.86 | 1.78 | 0.20 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 20 | 0.18 | 0.75 | 0.28 | 1.00 | 0.25 | 4.66 | 1.55 | 0.20 | 0.13 | 0.10 | 0.08 | 0.08 | | |
| 21 | 0.18 | 1.93 | 0.53 | 1.33 | 0.23 | 1.48 | 1.40 | 0.20 | 0.10 | 0.10 | 0.08 | 0.08 | | |
| 22 | 0.18 | 3.08 | 1.10 | 0.70 | 0.23 | 1.05 | 1.00 | 0.20 | 0.10 | 0.10 | 0.08 | 0.08 | | |
| 23 | 0.18 | 1.55 | 0.70 | 0.60 | 0.25 | 1.70 | 0.80 | 0.18 | 0.10 | 0.10 | 0.08 | 0.05 | | |
| 24 | 0.18 | 1.05 | 0.68 | 0.55 | 0.23 | 7.45 | 0.73 | 0.18 | 0.10 | 0.10 | 0.08 | 0.05 | | |
| 25 | 0.18 | 0.80 | 2.23 | 0.53 | 0.20 | 2.68 | 0.68 | 0.18 | 0.10 | 0.10 | 0.08 | 0.05 | | |
| 26 | 0.18 | 0.68 | 1.25 | 0.48 | 0.20 | 1.93 | 0.63 | 0.18 | 0.10 | 0.10 | 0.08 | 0.05 | | |
| 27 | 0.35 | 0.85 | 1.70 | 0.45 | 0.28 | 1.48 | 0.58 | 0.15 | 0.10 | 0.10 | 0.08 | 0.05 | | |
| 28 | 0.38 | 3.19 | 1.40 | 0.43 | 0.35 | 1.25 | 0.53 | 0.15 | 0.10 | 0.10 | 0.08 | 0.03 | | |
| 29 | 0.18 | 1.63 | 1.15 | 0.43 | 0.33 | 1.00 | 0.48 | 0.15 | 0.10 | 0.10 | | 0.05 | | |
| 30 | 0.18 | 1.00 | 1.40 | 0.40 | 0.33 | 0.80 | 0.45 | 0.13 | 0.10 | 0.10 | | 0.05 | | |
| 31 | | 1.15 | | 0.35 | 0.30 | | 0.43 | | 0.10 | 0.10 | | 0.05 | | |
| Total | 5.89 | 21.70 | 25.93 | 35.67 | 9.20 | 50.98 | 68.68 | 7.46 | 3.70 | 2.90 | 2.24 | 2.19 | 236.54 | CMSDAY |
| Mean | 0.20 | 0.70 | 0.86 | 1.15 | 0.30 | 1.70 | 2.22 | 0.25 | 0.12 | 0.09 | 0.08 | 0.07 | 0.65 | CMS |
| Max | 0.38 | 3.19 | 3.63 | 4.20 | 0.38 | 7.45 | 8.95 | 0.43 | 0.13 | 0.10 | 0.08 | 0.08 | 8.95 | CMS |
| Min | 0.18 | 0.13 | 0.23 | 0.35 | 0.20 | 0.15 | 0.43 | 0.13 | 0.10 | 0.08 | 0.08 | 0.03 | 0.03 | CMS |
| Runoff | 0.51 | 1.87 | 2.24 | 3.08 | 0.79 | 4.40 | 5.93 | 0.64 | 0.32 | 0.25 | 0.19 | 0.19 | 20.44 | MCM |

Momentary Peak 22.75 CMS. at 37.73 m. (MSL.) at 23.00 Hours , on Sep 19 , 2006

Runoff Yield 2.10 Liters/Second/Square KM. Momentary Peak Yield 73.86 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Khwae Noi River at Ban Lin Thin , Kanchanaburi (K.54)

Lat 14 - 32 - 04 N Long 98 - 47 - 30 E

**Location : on right bank at the bridge on road.**

**Ban** Lin Thin **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 4,774 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +60.540 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 40 meters from the gage observer's house. **Elevation** +75.155 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1996 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Khao Laem Dam.<br>Stage-discharge relation defined by 32 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

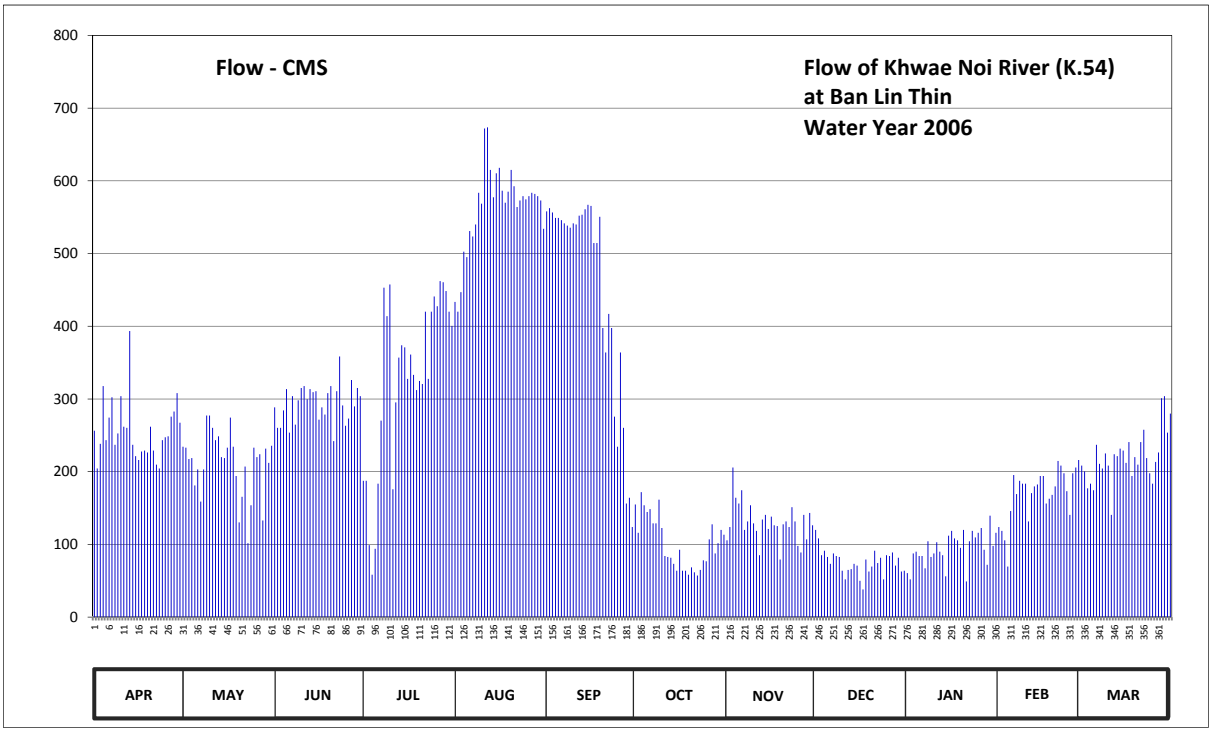
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 63.98 | 63.81 | 64.21 | 63.45 | 65.23 | 66.06 | 63.20 | 62.82 | 62.93 | 62.45 | 62.96 | 63.61 | |
| 2 | 63.58 | 63.80 | 64.01 | 63.45 | 65.14 | 66.09 | 62.90 | 62.96 | 62.84 | 62.37 | 62.92 | 63.55 | |
| 3 | 63.84 | 63.68 | 64.01 | 62.77 | 65.32 | 66.05 | 63.33 | 63.59 | 62.66 | 62.68 | 62.82 | 63.37 | |
| 4 | 64.42 | 63.69 | 64.18 | 62.43 | 65.69 | 66.00 | 63.19 | 63.27 | 62.71 | 62.70 | 62.53 | 63.42 | |
| 5 | 63.88 | 63.40 | 64.39 | 62.73 | 65.64 | 66.00 | 63.12 | 63.21 | 62.64 | 62.65 | 63.13 | 63.35 | |
| 6 | 64.11 | 63.57 | 63.96 | 63.42 | 65.88 | 65.98 | 63.15 | 63.35 | 62.56 | 62.65 | 63.51 | 63.83 | |
| 7 | 64.31 | 63.23 | 64.32 | 64.08 | 65.83 | 65.95 | 63.00 | 62.93 | 62.68 | 62.51 | 63.31 | 63.63 | |
| 8 | 63.83 | 63.57 | 64.04 | 65.36 | 65.94 | 65.93 | 63.00 | 63.02 | 62.65 | 62.81 | 63.45 | 63.58 | |
| 9 | 63.95 | 64.13 | 64.28 | 65.10 | 66.23 | 65.91 | 63.25 | 63.19 | 62.64 | 62.64 | 63.42 | 63.74 | |
| 10 | 64.32 | 64.13 | 64.40 | 65.39 | 66.13 | 65.95 | 62.95 | 63.00 | 62.48 | 62.68 | 63.42 | 63.61 | |
| 11 | 64.02 | 64.01 | 64.42 | 63.36 | 66.82 | 65.94 | 62.65 | 62.92 | 62.37 | 62.80 | 63.02 | 63.09 | |
| 12 | 64.01 | 63.88 | 64.29 | 64.26 | 66.83 | 66.02 | 62.64 | 62.66 | 62.49 | 62.70 | 63.32 | 63.73 | |
| 13 | 64.96 | 63.92 | 64.39 | 64.70 | 66.44 | 66.03 | 62.63 | 63.04 | 62.50 | 62.66 | 63.39 | 63.71 | |
| 14 | 63.83 | 63.70 | 64.36 | 64.82 | 66.19 | 66.08 | 62.56 | 63.09 | 62.56 | 62.41 | 63.41 | 63.79 | |
| 15 | 63.71 | 63.69 | 64.37 | 64.80 | 66.41 | 66.12 | 62.48 | 62.94 | 62.54 | 62.87 | 63.50 | 63.77 | |
| 16 | 63.67 | 63.80 | 64.09 | 64.49 | 66.46 | 66.11 | 62.72 | 63.07 | 62.35 | 62.92 | 63.50 | 63.64 | |
| 17 | 63.76 | 64.11 | 64.21 | 64.73 | 66.25 | 65.77 | 62.48 | 62.98 | 62.23 | 62.84 | 63.21 | 63.86 | |
| 18 | 63.77 | 63.81 | 64.14 | 64.53 | 66.14 | 65.77 | 62.48 | 62.97 | 62.61 | 62.82 | 63.26 | 63.50 | |
| 19 | 63.75 | 63.50 | 64.35 | 64.38 | 66.24 | 66.01 | 62.43 | 62.61 | 62.47 | 62.74 | 63.30 | 63.70 | |
| 20 | 64.02 | 63.01 | 64.42 | 64.47 | 66.44 | 64.99 | 62.52 | 62.99 | 62.53 | 62.93 | 63.39 | 63.62 | |
| 21 | 63.77 | 63.28 | 63.87 | 64.44 | 66.29 | 64.75 | 62.46 | 63.02 | 62.71 | 62.34 | 63.66 | 63.86 | |
| 22 | 63.62 | 63.60 | 64.37 | 65.14 | 66.10 | 65.12 | 62.42 | 62.96 | 62.57 | 62.81 | 63.61 | 63.99 | |
| 23 | 63.58 | 62.79 | 64.71 | 64.49 | 66.16 | 64.99 | 62.49 | 63.17 | 62.63 | 62.92 | 63.53 | 63.69 | |
| 24 | 63.88 | 63.19 | 64.23 | 65.14 | 66.20 | 64.12 | 62.60 | 63.02 | 62.37 | 62.85 | 63.34 | 63.53 | |
| 25 | 63.91 | 63.80 | 64.03 | 65.28 | 66.17 | 63.81 | 62.59 | 62.76 | 62.66 | 62.90 | 63.09 | 63.42 | |
| 26 | 63.92 | 63.70 | 64.10 | 65.19 | 66.20 | 64.75 | 62.83 | 62.69 | 62.65 | 62.95 | 63.53 | 63.65 | |
| 27 | 64.12 | 63.73 | 64.48 | 65.42 | 66.23 | 64.01 | 62.99 | 63.09 | 62.69 | 62.72 | 63.59 | 63.75 | |
| 28 | 64.17 | 63.03 | 64.22 | 65.41 | 66.22 | 63.21 | 62.68 | 62.83 | 62.54 | 62.55 | 63.67 | 64.30 | |
| 29 | 64.35 | 63.79 | 64.40 | 65.33 | 66.20 | 63.27 | 62.79 | 63.11 | 62.63 | 63.08 | | 64.32 | |
| 30 | 64.06 | 63.64 | 64.32 | 65.14 | 66.16 | 62.96 | 62.93 | 62.98 | 62.47 | 62.76 | | 63.96 | |
| 31 | | 63.82 | | 65.01 | 65.90 | | 62.88 | | 62.48 | 62.90 | | 64.15 | |
| Mean | 63.97 | 63.64 | 64.25 | 64.47 | 66.10 | 65.32 | 62.79 | 63.01 | 62.58 | 62.73 | 63.31 | 63.70 | |
| Max | 64.96 | 64.13 | 64.71 | 65.42 | 66.83 | 66.12 | 63.33 | 63.59 | 62.93 | 63.08 | 63.67 | 64.32 | 66.83 |
| Min | 63.58 | 62.79 | 63.87 | 62.43 | 65.14 | 62.96 | 62.42 | 62.61 | 62.23 | 62.34 | 62.53 | 63.09 | 62.23 |

Annual Max Momentary Gage Height 67.18 m. (MSL.) , at 18.00 Hours , on Aug 11 , 2006

Zero Gage at Bottom Elevation 60.54 m. (MSL.) , River Bed 59.13 m. (MSL.)

Left Bank Elevation 68.21 m. (MSL.) ,

Right Bank Elevation 68.21 m. (MSL.) , Drainage Are 4,774 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 256.40 | 234.30 | 288.40 | 187.50 | 433.50 | 558.00 | 155.00 | 105.60 | 119.90 | 60.50 | 123.80 | 208.30 | | |
| 2 | 204.40 | 233.00 | 260.40 | 187.50 | 420.00 | 562.50 | 116.00 | 123.80 | 108.20 | 52.00 | 118.60 | 200.50 | | |
| 3 | 238.20 | 217.40 | 260.40 | 99.10 | 447.00 | 556.50 | 171.90 | 205.70 | 85.20 | 87.60 | 105.60 | 177.10 | | |
| 4 | 317.80 | 218.70 | 284.20 | 58.30 | 502.50 | 549.00 | 153.70 | 164.10 | 91.30 | 90.00 | 69.60 | 183.60 | | |
| 5 | 243.40 | 181.00 | 313.60 | 93.90 | 495.00 | 549.00 | 144.60 | 156.30 | 82.80 | 84.00 | 145.90 | 174.50 | | |
| 6 | 274.40 | 203.10 | 253.80 | 183.60 | 531.00 | 546.00 | 148.50 | 174.50 | 73.20 | 84.00 | 195.30 | 236.90 | | |
| 7 | 302.40 | 158.90 | 303.80 | 270.20 | 523.50 | 541.50 | 129.00 | 119.90 | 87.60 | 67.20 | 169.30 | 210.90 | | |
| 8 | 236.90 | 203.10 | 264.60 | 453.00 | 540.00 | 538.50 | 129.00 | 131.60 | 84.00 | 104.30 | 187.50 | 204.40 | | |
| 9 | 252.50 | 277.20 | 298.20 | 414.00 | 583.50 | 535.50 | 161.50 | 153.70 | 82.80 | 82.80 | 183.60 | 225.20 | | |
| 10 | 303.80 | 277.20 | 315.00 | 457.50 | 568.50 | 541.50 | 122.50 | 129.00 | 63.80 | 87.60 | 183.60 | 208.30 | | |
| 11 | 261.80 | 260.40 | 317.80 | 175.80 | 672.00 | 540.00 | 84.00 | 118.60 | 52.00 | 103.00 | 131.60 | 140.70 | | |
| 12 | 260.40 | 243.40 | 299.60 | 295.40 | 673.50 | 552.00 | 82.80 | 85.20 | 64.90 | 90.00 | 170.60 | 223.90 | | |
| 13 | 393.40 | 248.60 | 313.60 | 357.00 | 615.00 | 553.50 | 81.60 | 134.20 | 66.00 | 85.20 | 179.70 | 221.30 | | |
| 14 | 236.90 | 220.00 | 309.40 | 373.80 | 577.50 | 561.00 | 73.20 | 140.70 | 73.20 | 56.10 | 182.30 | 231.70 | | |
| 15 | 221.30 | 218.70 | 310.80 | 371.00 | 610.50 | 567.00 | 63.80 | 121.20 | 70.80 | 112.10 | 194.00 | 229.10 | | |
| 16 | 216.10 | 233.00 | 271.60 | 327.60 | 618.00 | 565.50 | 92.60 | 138.10 | 50.00 | 118.60 | 194.00 | 212.20 | | |
| 17 | 227.80 | 274.40 | 288.40 | 361.20 | 586.50 | 514.50 | 63.80 | 126.40 | 38.00 | 108.20 | 156.30 | 240.80 | | |
| 18 | 229.10 | 234.30 | 278.60 | 333.20 | 570.00 | 514.50 | 63.80 | 125.10 | 79.20 | 105.60 | 162.80 | 194.00 | | |
| 19 | 226.50 | 194.00 | 308.00 | 312.20 | 585.00 | 550.50 | 58.30 | 79.20 | 62.70 | 95.20 | 168.00 | 220.00 | | |
| 20 | 261.80 | 130.30 | 317.80 | 324.80 | 615.00 | 397.60 | 68.40 | 127.70 | 69.60 | 119.90 | 179.70 | 209.60 | | |
| 21 | 229.10 | 165.40 | 242.10 | 320.60 | 592.50 | 364.00 | 61.60 | 131.60 | 91.30 | 49.00 | 214.80 | 240.80 | | |
| 22 | 209.60 | 207.00 | 310.80 | 420.00 | 564.00 | 417.00 | 57.20 | 123.80 | 74.40 | 104.30 | 208.30 | 257.70 | | |
| 23 | 204.40 | 101.70 | 358.40 | 327.60 | 573.00 | 397.60 | 64.90 | 151.10 | 81.60 | 118.60 | 197.90 | 218.70 | | |
| 24 | 243.40 | 153.70 | 291.20 | 420.00 | 579.00 | 275.80 | 78.00 | 131.60 | 52.00 | 109.50 | 173.20 | 197.90 | | |
| 25 | 247.30 | 233.00 | 263.20 | 441.00 | 574.50 | 234.30 | 76.80 | 97.80 | 85.20 | 116.00 | 140.70 | 183.60 | | |
| 26 | 248.60 | 220.00 | 273.00 | 427.50 | 579.00 | 364.00 | 106.90 | 88.80 | 84.00 | 122.50 | 197.90 | 213.50 | | |
| 27 | 275.80 | 223.90 | 326.20 | 462.00 | 583.50 | 260.40 | 127.70 | 140.70 | 88.80 | 92.60 | 205.70 | 226.50 | | |
| 28 | 282.80 | 132.90 | 289.80 | 460.50 | 582.00 | 156.30 | 87.60 | 106.90 | 70.80 | 72.00 | 216.10 | 301.00 | | |
| 29 | 308.00 | 231.70 | 315.00 | 448.50 | 579.00 | 164.10 | 101.70 | 143.30 | 81.60 | 139.40 | | 303.80 | | |
| 30 | 267.40 | 212.20 | 303.80 | 420.00 | 573.00 | 123.80 | 119.90 | 126.40 | 62.70 | 97.80 | | 253.80 | | |
| 31 | | 235.60 | | 400.50 | 534.00 | | 113.40 | | 63.80 | 116.00 | | 280.00 | | |
| Total | 7681.70 | 6578.10 | 8831.50 | 10184.80 | 17481.00 | 13551.40 | 3159.70 | 3902.60 | 2341.40 | 2931.60 | 4756.40 | 6830.30 | 88230.50 | CMSDAY |
| Mean | 256.06 | 212.20 | 294.38 | 328.54 | 563.90 | 451.71 | 101.93 | 130.09 | 75.53 | 94.57 | 169.87 | 220.33 | 241.73 | CMS |
| Max | 393.40 | 277.20 | 358.40 | 462.00 | 673.50 | 567.00 | 171.90 | 205.70 | 119.90 | 139.40 | 216.10 | 303.80 | 673.50 | CMS |
| Min | 204.40 | 101.70 | 242.10 | 58.30 | 420.00 | 123.80 | 57.20 | 79.20 | 38.00 | 49.00 | 69.60 | 140.70 | 38.00 | CMS |
| Runoff | 663.70 | 568.35 | 763.04 | 879.97 | 1510.36 | 1170.84 | 273.00 | 337.18 | 202.30 | 253.29 | 410.95 | 590.14 | 7623.12 | MCM |

Momentary Peak 728.60 CMS. at 67.18 m. (MSL.) at 18.00 Hours , on Aug 11 , 2006

Runoff Yield 50.64 Liters/Second/Square KM. Momentary Peak Yield 152.65 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Khwae Noi River at Ban Pak Saeng , Kanchanaburi (K.58)

Lat 14 - 12 - 46 N Long 99 - 03 - 39 E

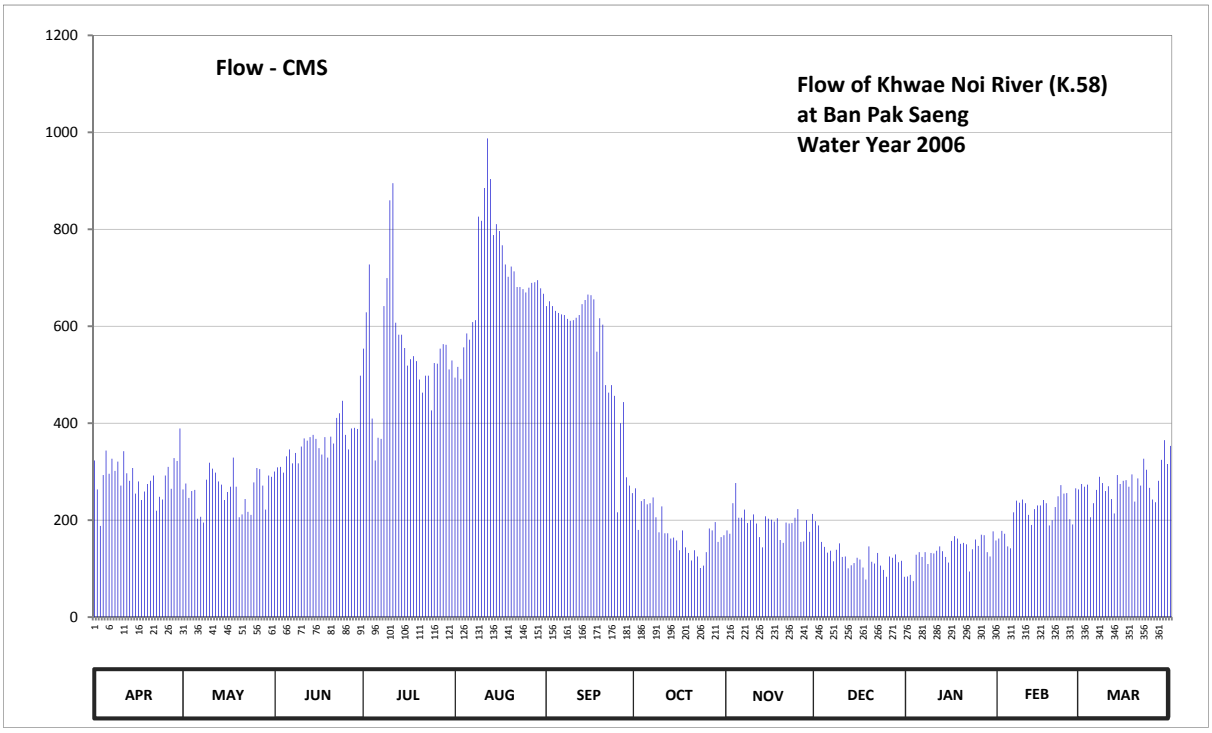
**Location : on left bank at Ban Pak Saeng.**

| | |
|---|---|
| | **Ban** Pak Saeng **Amphoe** Sai Yok **Changwat** Kanchanaburi |
| **Drainge Area** | 6,725 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +60.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 40 meters from the gage observer's house. **Elevation** +74.027 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily reading at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1998 to date |
| **Rating Operation** | |
| **Period of Rating** | 2006 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2006 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 31 discharge measurements made in 2006 |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 63.96 | 63.45 | 63.77 | 65.80 | 65.34 | 66.46 | 63.47 | 62.65 | 62.84 | 61.61 | 62.48 | 63.55 | |
| 2 | 63.45 | 63.56 | 63.84 | 66.37 | 65.51 | 66.53 | 62.66 | 62.58 | 62.75 | 61.65 | 62.64 | 63.50 | |
| 3 | 62.74 | 63.29 | 63.85 | 67.07 | 65.32 | 66.46 | 63.23 | 63.19 | 62.41 | 61.49 | 62.58 | 63.54 | |
| 4 | 63.71 | 63.42 | 63.75 | 64.68 | 65.82 | 66.39 | 63.27 | 63.57 | 62.31 | 62.14 | 62.32 | 62.92 | |
| 5 | 64.13 | 63.44 | 64.03 | 63.96 | 66.04 | 66.36 | 63.17 | 62.91 | 62.19 | 62.20 | 62.28 | 63.19 | |
| 6 | 63.73 | 62.89 | 64.15 | 64.35 | 65.94 | 66.34 | 63.19 | 62.91 | 62.23 | 62.09 | 63.02 | 63.44 | |
| 7 | 63.99 | 62.93 | 63.91 | 64.33 | 66.22 | 66.33 | 63.30 | 63.07 | 61.99 | 62.20 | 63.24 | 63.68 | |
| 8 | 63.78 | 62.81 | 64.09 | 66.46 | 66.25 | 66.27 | 62.92 | 62.80 | 62.25 | 61.93 | 63.20 | 63.57 | |
| 9 | 63.94 | 63.63 | 63.91 | 66.87 | 67.77 | 66.24 | 62.61 | 62.86 | 62.38 | 62.18 | 63.26 | 63.42 | |
| 10 | 63.52 | 63.92 | 64.20 | 68.01 | 67.71 | 66.25 | 63.13 | 62.98 | 62.09 | 62.17 | 63.19 | 63.51 | |
| 11 | 64.12 | 63.82 | 64.34 | 68.26 | 68.19 | 66.29 | 62.59 | 62.79 | 62.10 | 62.23 | 62.97 | 63.27 | |
| 12 | 63.74 | 63.75 | 64.30 | 66.21 | 68.89 | 66.33 | 62.59 | 62.51 | 61.82 | 62.32 | 62.76 | 63.00 | |
| 13 | 63.61 | 63.60 | 64.36 | 66.02 | 68.32 | 66.49 | 62.48 | 62.30 | 61.90 | 62.22 | 63.08 | 63.71 | |
| 14 | 63.83 | 63.54 | 64.40 | 66.02 | 67.50 | 66.55 | 62.50 | 62.94 | 61.95 | 62.09 | 63.15 | 63.55 | |
| 15 | 63.37 | 63.25 | 64.33 | 65.81 | 67.66 | 66.63 | 62.44 | 62.89 | 62.07 | 61.96 | 63.15 | 63.61 | |
| 16 | 63.60 | 63.40 | 64.17 | 65.53 | 67.56 | 66.62 | 62.24 | 62.87 | 62.03 | 62.43 | 63.25 | 63.62 | |
| 17 | 63.25 | 63.50 | 64.06 | 65.63 | 67.35 | 66.56 | 62.65 | 62.83 | 61.84 | 62.53 | 63.19 | 63.50 | |
| 18 | 63.41 | 64.01 | 64.36 | 65.68 | 67.07 | 65.75 | 62.30 | 62.90 | 61.53 | 62.48 | 62.75 | 63.72 | |
| 19 | 63.55 | 63.50 | 64.01 | 65.60 | 66.89 | 66.28 | 62.18 | 62.45 | 62.32 | 62.37 | 62.86 | 63.22 | |
| 20 | 63.61 | 62.92 | 64.37 | 65.31 | 67.04 | 66.18 | 62.01 | 62.39 | 61.98 | 62.39 | 63.12 | 63.65 | |
| 21 | 63.70 | 62.98 | 64.25 | 65.10 | 66.97 | 65.22 | 62.24 | 62.81 | 61.94 | 62.36 | 63.32 | 63.52 | |
| 22 | 63.05 | 63.27 | 64.69 | 65.37 | 66.74 | 65.10 | 62.10 | 62.79 | 62.18 | 61.74 | 63.53 | 63.99 | |
| 23 | 63.31 | 63.03 | 64.77 | 65.37 | 66.74 | 65.22 | 61.83 | 62.80 | 61.89 | 62.26 | 63.37 | 63.80 | |
| 24 | 63.26 | 62.97 | 64.97 | 64.82 | 66.71 | 65.05 | 61.89 | 62.91 | 61.78 | 62.46 | 63.38 | 63.48 | |
| 25 | 63.70 | 63.58 | 64.40 | 65.57 | 66.66 | 63.02 | 62.20 | 63.08 | 61.60 | 62.33 | 62.88 | 63.26 | |
| 26 | 63.85 | 63.83 | 64.15 | 65.56 | 66.73 | 64.60 | 62.69 | 62.41 | 62.10 | 62.56 | 62.77 | 63.21 | |
| 27 | 63.46 | 63.81 | 64.51 | 65.80 | 66.80 | 64.95 | 62.65 | 62.42 | 62.07 | 62.55 | 63.47 | 63.61 | |
| 28 | 64.00 | 63.52 | 64.52 | 65.87 | 66.81 | 63.67 | 62.82 | 62.86 | 62.15 | 62.20 | 63.45 | 63.97 | |
| 29 | 63.95 | 63.07 | 64.50 | 65.86 | 66.84 | 63.52 | 62.41 | 62.62 | 61.97 | 62.10 | | 64.31 | |
| 30 | 64.51 | 63.70 | 65.37 | 65.47 | 66.72 | 63.38 | 62.51 | 62.99 | 62.00 | 62.63 | | 63.90 | |
| 31 | | 63.68 | | 65.61 | 66.64 | | 62.55 | | 61.60 | 62.44 | | 64.21 | |
| Mean | 63.66 | 63.42 | 64.28 | 65.75 | 66.86 | 65.70 | 62.61 | 62.80 | 62.07 | 62.20 | 63.02 | 63.56 | |
| Max | 64.51 | 64.01 | 65.37 | 68.26 | 68.89 | 66.63 | 63.47 | 63.57 | 62.84 | 62.63 | 63.53 | 64.31 | 68.89 |
| Min | 62.74 | 62.81 | 63.75 | 63.96 | 65.32 | 63.02 | 61.83 | 62.30 | 61.53 | 61.49 | 62.28 | 62.92 | 61.49 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 69.40 | m. (MSL.) , | at 01.00 Hours , on Jul 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 60.00 | m. (MSL.) , | River Bed | 58.40 | m. (MSL) |
| Left Bank Elevation | 76.08 | m. (MSL.) , | | | |
| Right Bank Elevation | 75.24 | m. (MSL.) , | Drainage Are | 6,725 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 323.20 | 263.50 | 300.40 | 554.00 | 494.20 | 641.55 | 265.70 | 179.00 | 198.00 | 83.80 | 162.00 | 274.50 | | |
| 2 | 263.50 | 275.60 | 308.80 | 628.86 | 516.30 | 651.41 | 180.00 | 172.00 | 189.00 | 87.00 | 178.00 | 269.00 | | |
| 3 | 188.00 | 245.90 | 310.00 | 727.50 | 491.60 | 641.55 | 239.30 | 234.90 | 155.00 | 74.30 | 172.00 | 273.40 | | |
| 4 | 293.20 | 260.20 | 298.00 | 409.60 | 556.60 | 631.68 | 243.70 | 276.70 | 145.00 | 128.60 | 146.00 | 206.00 | | |
| 5 | 343.60 | 262.40 | 331.60 | 323.20 | 585.20 | 627.45 | 232.70 | 205.00 | 133.10 | 134.00 | 142.00 | 234.90 | | |
| 6 | 295.60 | 203.00 | 346.00 | 370.00 | 572.20 | 624.64 | 234.90 | 205.00 | 137.00 | 124.10 | 216.20 | 262.40 | | |
| 7 | 326.80 | 207.00 | 317.20 | 367.60 | 608.60 | 623.23 | 247.00 | 221.70 | 115.10 | 134.00 | 240.40 | 289.60 | | |
| 8 | 301.60 | 195.00 | 338.80 | 641.55 | 612.50 | 615.10 | 206.00 | 194.00 | 139.00 | 109.70 | 236.00 | 276.70 | | |
| 9 | 320.80 | 283.60 | 317.20 | 699.32 | 826.14 | 611.20 | 175.00 | 200.00 | 152.00 | 132.20 | 242.60 | 260.20 | | |
| 10 | 271.20 | 318.40 | 352.00 | 859.95 | 817.68 | 612.50 | 228.30 | 212.00 | 124.10 | 131.30 | 234.90 | 270.10 | | |
| 11 | 342.40 | 306.40 | 368.80 | 895.18 | 885.32 | 617.70 | 173.00 | 193.00 | 125.00 | 137.00 | 211.00 | 243.70 | | |
| 12 | 296.80 | 298.00 | 364.00 | 607.30 | 987.50 | 623.23 | 173.00 | 165.00 | 100.60 | 146.00 | 190.00 | 214.00 | | |
| 13 | 281.20 | 280.00 | 371.20 | 582.60 | 903.64 | 645.77 | 162.00 | 144.00 | 107.00 | 136.00 | 222.80 | 293.20 | | |
| 14 | 307.60 | 273.40 | 376.00 | 582.60 | 788.09 | 654.23 | 164.00 | 208.00 | 111.50 | 124.10 | 230.50 | 274.50 | | |
| 15 | 254.70 | 241.50 | 367.60 | 555.30 | 810.64 | 665.50 | 158.00 | 203.00 | 122.30 | 112.40 | 230.50 | 281.20 | | |
| 16 | 280.00 | 258.00 | 348.40 | 518.90 | 796.55 | 664.09 | 138.00 | 201.00 | 118.70 | 157.00 | 241.50 | 282.40 | | |
| 17 | 241.50 | 269.00 | 335.20 | 531.90 | 766.95 | 655.64 | 179.00 | 197.00 | 102.20 | 167.00 | 234.90 | 269.00 | | |
| 18 | 259.10 | 329.20 | 371.20 | 538.40 | 727.50 | 547.50 | 144.00 | 204.00 | 77.40 | 162.00 | 189.00 | 294.40 | | |
| 19 | 274.50 | 269.00 | 329.20 | 528.00 | 702.14 | 616.40 | 132.20 | 159.00 | 146.00 | 151.00 | 200.00 | 238.20 | | |
| 20 | 281.20 | 206.00 | 372.40 | 490.30 | 723.27 | 603.40 | 116.90 | 153.00 | 114.20 | 153.00 | 227.20 | 286.00 | | |
| 21 | 292.00 | 212.00 | 358.00 | 463.00 | 713.41 | 478.60 | 138.00 | 195.00 | 110.60 | 150.00 | 249.20 | 271.20 | | |
| 22 | 219.50 | 243.70 | 410.80 | 498.10 | 681.00 | 463.00 | 125.00 | 193.00 | 132.20 | 94.20 | 272.30 | 326.80 | | |
| 23 | 248.10 | 217.30 | 420.40 | 498.10 | 681.00 | 478.60 | 101.40 | 194.00 | 106.20 | 140.00 | 254.70 | 304.00 | | |
| 24 | 242.60 | 211.00 | 446.10 | 426.60 | 676.77 | 456.50 | 106.20 | 205.00 | 97.40 | 160.00 | 255.80 | 266.80 | | |
| 25 | 292.00 | 277.80 | 376.00 | 524.10 | 669.73 | 216.20 | 134.00 | 222.80 | 83.00 | 147.00 | 202.00 | 242.60 | | |
| 26 | 310.00 | 307.60 | 346.00 | 522.80 | 679.59 | 400.00 | 183.00 | 155.00 | 125.00 | 170.00 | 191.00 | 237.10 | | |
| 27 | 264.60 | 305.20 | 389.20 | 554.00 | 689.45 | 443.50 | 179.00 | 156.00 | 122.30 | 169.00 | 265.70 | 281.20 | | |
| 28 | 328.00 | 271.20 | 390.40 | 563.10 | 690.86 | 288.40 | 196.00 | 200.00 | 129.50 | 134.00 | 263.50 | 324.40 | | |
| 29 | 322.00 | 221.70 | 388.00 | 561.80 | 695.09 | 271.20 | 155.00 | 176.00 | 113.30 | 125.00 | | 365.20 | | |
| 30 | 389.20 | 292.00 | 498.10 | 511.10 | 678.18 | 255.80 | 165.00 | 213.00 | 116.00 | 177.00 | | 316.00 | | |
| 31 | | 289.60 | | 529.30 | 666.91 | | 169.00 | | 83.00 | 158.00 | | 353.20 | | |
| Total | 8654.50 | 8094.20 | 10847.00 | 17064.06 | 21694.61 | 16325.57 | 5444.30 | 5837.10 | 3830.70 | 4208.70 | 6101.70 | 8581.90 | 116684.34 | CMSDAY |
| Mean | 288.48 | 261.10 | 361.57 | 550.45 | 699.83 | 544.19 | 175.62 | 194.57 | 123.57 | 135.76 | 217.92 | 276.84 | 319.68 | CMS |
| Max | 389.20 | 329.20 | 498.10 | 895.18 | 987.50 | 665.50 | 265.70 | 276.70 | 198.00 | 177.00 | 272.30 | 365.20 | 987.50 | CMS |
| Min | 188.00 | 195.00 | 298.00 | 323.20 | 491.60 | 216.20 | 101.40 | 144.00 | 77.40 | 74.30 | 142.00 | 206.00 | 74.30 | CMS |
| Runoff | 747.75 | 699.34 | 937.18 | 1474.33 | 1874.41 | 1410.53 | 470.39 | 504.33 | 330.97 | 363.63 | 527.19 | 741.48 | 10081.53 | MCM |

Momentary Peak 1049.00 CMS. at 69.40 m. (MSL.) at 01.00 Hours , on Jul 11 , 2006

Runoff Yield 47.54 Liters/Second/Square KM. Momentary Peak Yield 155.99 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Kui Mang at Ban Kui Mang , Kanchanaburi (K.60)

Lat 14 - 37 - 32 N Long 98 - 43 - 50 E

**Location : on right bank at the bridge on road.**

**Ban** Kui Mang **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 128 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +73.675 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 15 meters from the top staff gage. **Elevation** +82.022 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily reading at 06.00, 09.00, 12.00, 15.00 and 18.00 hours |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings. |
| **Period of Available Gage Records** | 2000 to date |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 50 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

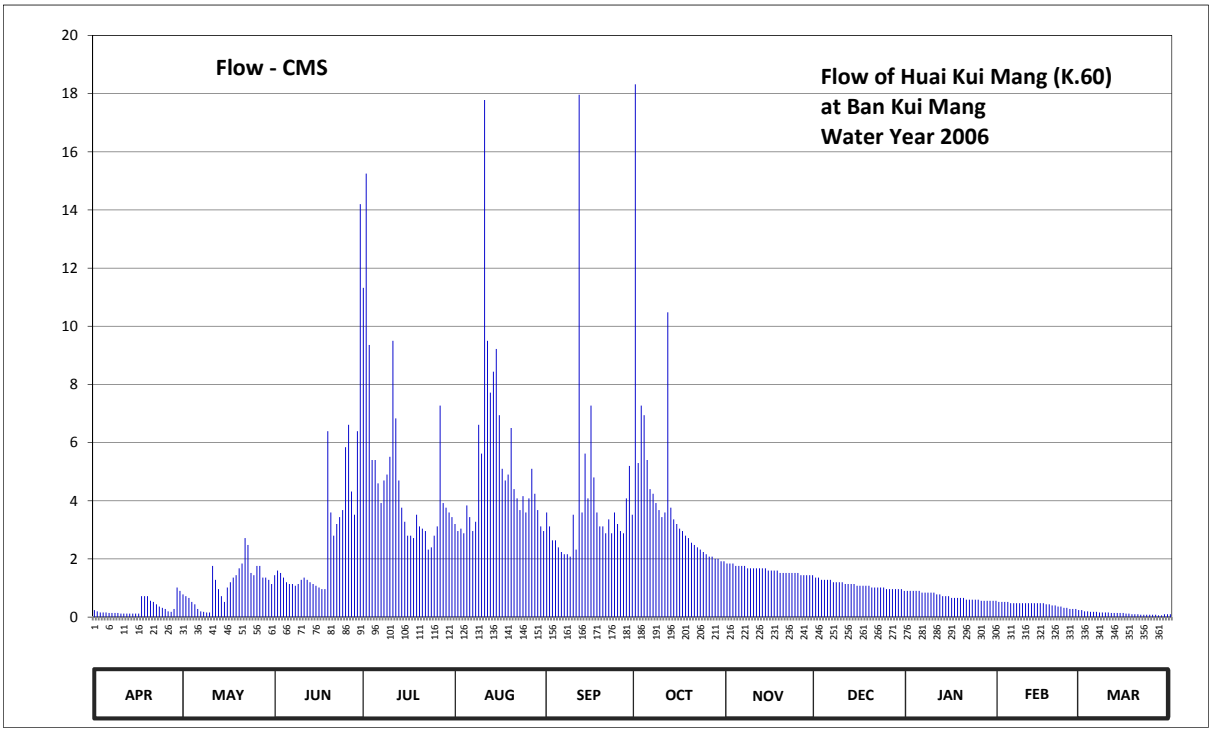
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 74.41 | 74.53 | 74.63 | 75.58 | 74.85 | 74.90 | 76.04 | 74.68 | 74.62 | 74.55 | 74.48 | 74.41 | |
| 2 | 74.40 | 74.52 | 74.65 | 75.85 | 74.82 | 74.84 | 75.09 | 74.68 | 74.62 | 74.55 | 74.48 | 74.40 | |
| 3 | 74.38 | 74.51 | 74.64 | 75.44 | 74.83 | 74.78 | 75.27 | 74.68 | 74.61 | 74.55 | 74.48 | 74.40 | |
| 4 | 74.38 | 74.48 | 74.62 | 75.10 | 74.81 | 74.78 | 75.24 | 74.67 | 74.61 | 74.55 | 74.48 | 74.39 | |
| 5 | 74.38 | 74.46 | 74.60 | 75.10 | 74.93 | 74.75 | 75.10 | 74.67 | 74.61 | 74.55 | 74.47 | 74.39 | |
| 6 | 74.37 | 74.42 | 74.59 | 75.02 | 74.88 | 74.73 | 75.00 | 74.67 | 74.61 | 74.54 | 74.47 | 74.39 | |
| 7 | 74.37 | 74.40 | 74.59 | 74.94 | 74.82 | 74.72 | 74.98 | 74.67 | 74.60 | 74.54 | 74.47 | 74.38 | |
| 8 | 74.37 | 74.39 | 74.58 | 75.03 | 74.86 | 74.72 | 74.94 | 74.66 | 74.60 | 74.54 | 74.47 | 74.38 | |
| 9 | 74.37 | 74.38 | 74.59 | 75.05 | 75.21 | 74.71 | 74.91 | 74.66 | 74.60 | 74.54 | 74.47 | 74.38 | |
| 10 | 74.36 | 74.38 | 74.61 | 75.11 | 75.12 | 74.89 | 74.88 | 74.66 | 74.60 | 74.54 | 74.47 | 74.38 | |
| 11 | 74.36 | 74.67 | 74.62 | 75.45 | 76.01 | 74.74 | 74.90 | 74.66 | 74.59 | 74.53 | 74.47 | 74.37 | |
| 12 | 74.36 | 74.61 | 74.61 | 75.23 | 75.45 | 76.02 | 75.52 | 74.66 | 74.59 | 74.53 | 74.47 | 74.37 | |
| 13 | 74.36 | 74.56 | 74.60 | 75.03 | 75.31 | 74.90 | 74.92 | 74.66 | 74.59 | 74.52 | 74.47 | 74.37 | |
| 14 | 74.36 | 74.52 | 74.59 | 74.92 | 75.37 | 75.12 | 74.87 | 74.66 | 74.59 | 74.52 | 74.47 | 74.37 | |
| 15 | 74.36 | 74.48 | 74.58 | 74.86 | 75.43 | 74.96 | 74.85 | 74.65 | 74.58 | 74.52 | 74.47 | 74.37 | |
| 16 | 74.36 | 74.57 | 74.57 | 74.80 | 75.24 | 75.27 | 74.83 | 74.65 | 74.58 | 74.51 | 74.47 | 74.36 | |
| 17 | 74.52 | 74.60 | 74.56 | 74.80 | 75.07 | 75.04 | 74.82 | 74.65 | 74.58 | 74.51 | 74.46 | 74.36 | |
| 18 | 74.52 | 74.62 | 74.56 | 74.79 | 75.03 | 74.90 | 74.80 | 74.65 | 74.58 | 74.51 | 74.46 | 74.35 | |
| 19 | 74.52 | 74.63 | 75.19 | 74.89 | 75.05 | 74.84 | 74.79 | 74.64 | 74.58 | 74.51 | 74.45 | 74.35 | |
| 20 | 74.49 | 74.66 | 74.90 | 74.84 | 75.20 | 74.84 | 74.77 | 74.64 | 74.57 | 74.51 | 74.45 | 74.35 | |
| 21 | 74.48 | 74.68 | 74.80 | 74.83 | 75.00 | 74.81 | 74.76 | 74.64 | 74.57 | 74.50 | 74.44 | 74.34 | |
| 22 | 74.46 | 74.79 | 74.85 | 74.82 | 74.96 | 74.87 | 74.75 | 74.64 | 74.57 | 74.50 | 74.44 | 74.34 | |
| 23 | 74.44 | 74.76 | 74.88 | 74.74 | 74.91 | 74.81 | 74.74 | 74.64 | 74.57 | 74.50 | 74.43 | 74.34 | |
| 24 | 74.43 | 74.64 | 74.91 | 74.75 | 74.97 | 74.90 | 74.73 | 74.64 | 74.57 | 74.50 | 74.43 | 74.34 | |
| 25 | 74.42 | 74.63 | 75.14 | 74.80 | 74.90 | 74.85 | 74.72 | 74.64 | 74.56 | 74.50 | 74.42 | 74.34 | |
| 26 | 74.40 | 74.67 | 75.21 | 74.84 | 74.96 | 74.82 | 74.71 | 74.63 | 74.56 | 74.49 | 74.42 | 74.34 | |
| 27 | 74.39 | 74.67 | 74.99 | 75.27 | 75.07 | 74.81 | 74.71 | 74.63 | 74.56 | 74.49 | 74.42 | 74.33 | |
| 28 | 74.42 | 74.62 | 74.89 | 74.94 | 74.98 | 74.96 | 74.70 | 74.63 | 74.56 | 74.49 | 74.41 | 74.33 | |
| 29 | 74.57 | 74.62 | 75.19 | 74.92 | 74.91 | 75.08 | 74.70 | 74.63 | 74.56 | 74.49 | | 74.35 | |
| 30 | 74.55 | 74.61 | 75.78 | 74.90 | 74.84 | 74.89 | 74.69 | 74.63 | 74.56 | 74.49 | | 74.35 | |
| 31 | | 74.59 | | 74.88 | 74.82 | | 74.69 | | 74.55 | 74.49 | | 74.35 | |
| Mean | 74.42 | 74.57 | 74.78 | 75.02 | 75.05 | 74.91 | 74.92 | 74.65 | 74.58 | 74.52 | 74.46 | 74.36 | |
| Max | 74.57 | 74.79 | 75.78 | 75.85 | 76.01 | 76.02 | 76.04 | 74.68 | 74.62 | 74.55 | 74.48 | 74.41 | 76.04 |
| Min | 74.36 | 74.38 | 74.56 | 74.74 | 74.81 | 74.71 | 74.69 | 74.63 | 74.55 | 74.49 | 74.41 | 74.33 | 74.33 |

Annual Max Momentary Gage Height 76.88 m. (MSL.) , at 06.00 Hours , on Oct 1 , 2006

Zero Gage at Bottom Elevation 73.68 m. (MSL.) , River Bed 73.81 m. (MSL.)

Left Bank Elevation 82.02 m. (MSL.) ,

Right Bank Elevation 82.01 m. (MSL.) , Drainage Are 128 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.24 | 0.78 | 1.44 | 11.32 | 3.20 | 3.60 | 18.32 | 1.84 | 1.36 | 0.90 | 0.52 | 0.24 | | |
| 2 | 0.20 | 0.72 | 1.60 | 15.25 | 2.96 | 3.12 | 5.30 | 1.84 | 1.36 | 0.90 | 0.52 | 0.20 | | |
| 3 | 0.16 | 0.66 | 1.52 | 9.36 | 3.04 | 2.64 | 7.27 | 1.84 | 1.28 | 0.90 | 0.52 | 0.20 | | |
| 4 | 0.16 | 0.52 | 1.36 | 5.40 | 2.88 | 2.64 | 6.94 | 1.76 | 1.28 | 0.90 | 0.52 | 0.18 | | |
| 5 | 0.16 | 0.44 | 1.20 | 5.40 | 3.84 | 2.40 | 5.40 | 1.76 | 1.28 | 0.90 | 0.48 | 0.18 | | |
| 6 | 0.14 | 0.28 | 1.14 | 4.60 | 3.44 | 2.24 | 4.40 | 1.76 | 1.28 | 0.84 | 0.48 | 0.18 | | |
| 7 | 0.14 | 0.20 | 1.14 | 3.92 | 2.96 | 2.16 | 4.24 | 1.76 | 1.20 | 0.84 | 0.48 | 0.16 | | |
| 8 | 0.14 | 0.18 | 1.08 | 4.70 | 3.28 | 2.16 | 3.92 | 1.68 | 1.20 | 0.84 | 0.48 | 0.16 | | |
| 9 | 0.14 | 0.16 | 1.14 | 4.90 | 6.61 | 2.08 | 3.68 | 1.68 | 1.20 | 0.84 | 0.48 | 0.16 | | |
| 10 | 0.12 | 0.16 | 1.28 | 5.51 | 5.62 | 3.52 | 3.44 | 1.68 | 1.20 | 0.84 | 0.48 | 0.16 | | |
| 11 | 0.12 | 1.76 | 1.36 | 9.50 | 17.78 | 2.32 | 3.60 | 1.68 | 1.14 | 0.78 | 0.48 | 0.14 | | |
| 12 | 0.12 | 1.28 | 1.28 | 6.83 | 9.50 | 17.96 | 10.48 | 1.68 | 1.14 | 0.78 | 0.48 | 0.14 | | |
| 13 | 0.12 | 0.96 | 1.20 | 4.70 | 7.72 | 3.60 | 3.76 | 1.68 | 1.14 | 0.72 | 0.48 | 0.14 | | |
| 14 | 0.12 | 0.72 | 1.14 | 3.76 | 8.44 | 5.62 | 3.36 | 1.68 | 1.14 | 0.72 | 0.48 | 0.14 | | |
| 15 | 0.12 | 0.52 | 1.08 | 3.28 | 9.22 | 4.08 | 3.20 | 1.60 | 1.08 | 0.72 | 0.48 | 0.14 | | |
| 16 | 0.12 | 1.02 | 1.02 | 2.80 | 6.94 | 7.27 | 3.04 | 1.60 | 1.08 | 0.66 | 0.48 | 0.12 | | |
| 17 | 0.72 | 1.20 | 0.96 | 2.80 | 5.10 | 4.80 | 2.96 | 1.60 | 1.08 | 0.66 | 0.44 | 0.12 | | |
| 18 | 0.72 | 1.36 | 0.96 | 2.72 | 4.70 | 3.60 | 2.80 | 1.60 | 1.08 | 0.66 | 0.44 | 0.10 | | |
| 19 | 0.72 | 1.44 | 6.39 | 3.52 | 4.90 | 3.12 | 2.72 | 1.52 | 1.08 | 0.66 | 0.40 | 0.10 | | |
| 20 | 0.56 | 1.68 | 3.60 | 3.12 | 6.50 | 3.12 | 2.56 | 1.52 | 1.02 | 0.66 | 0.40 | 0.10 | | |
| 21 | 0.52 | 1.84 | 2.80 | 3.04 | 4.40 | 2.88 | 2.48 | 1.52 | 1.02 | 0.60 | 0.36 | 0.08 | | |
| 22 | 0.44 | 2.72 | 3.20 | 2.96 | 4.08 | 3.36 | 2.40 | 1.52 | 1.02 | 0.60 | 0.36 | 0.08 | | |
| 23 | 0.36 | 2.48 | 3.44 | 2.32 | 3.68 | 2.88 | 2.32 | 1.52 | 1.02 | 0.60 | 0.32 | 0.08 | | |
| 24 | 0.32 | 1.52 | 3.68 | 2.40 | 4.16 | 3.60 | 2.24 | 1.52 | 1.02 | 0.60 | 0.32 | 0.08 | | |
| 25 | 0.28 | 1.44 | 5.84 | 2.80 | 3.60 | 3.20 | 2.16 | 1.52 | 0.96 | 0.60 | 0.28 | 0.08 | | |
| 26 | 0.20 | 1.76 | 6.61 | 3.12 | 4.08 | 2.96 | 2.08 | 1.44 | 0.96 | 0.56 | 0.28 | 0.08 | | |
| 27 | 0.18 | 1.76 | 4.32 | 7.27 | 5.10 | 2.88 | 2.08 | 1.44 | 0.96 | 0.56 | 0.28 | 0.06 | | |
| 28 | 0.28 | 1.36 | 3.52 | 3.92 | 4.24 | 4.08 | 2.00 | 1.44 | 0.96 | 0.56 | 0.24 | 0.06 | | |
| 29 | 1.02 | 1.36 | 6.39 | 3.76 | 3.68 | 5.20 | 2.00 | 1.44 | 0.96 | 0.56 | | 0.10 | | |
| 30 | 0.90 | 1.28 | 14.20 | 3.60 | 3.12 | 3.52 | 1.92 | 1.44 | 0.96 | 0.56 | | 0.10 | | |
| 31 | | 1.14 | | 3.44 | 2.96 | | 1.92 | | 0.90 | 0.56 | | 0.10 | | |
| Total | 9.54 | 34.70 | 85.89 | 152.02 | 161.73 | 116.61 | 124.99 | 48.56 | 34.36 | 22.08 | 11.96 | 3.96 | 806.40 | CMSDAY |
| Mean | 0.32 | 1.12 | 2.86 | 4.90 | 5.22 | 3.89 | 4.03 | 1.62 | 1.11 | 0.71 | 0.43 | 0.13 | 2.21 | CMS |
| Max | 1.02 | 2.72 | 14.20 | 15.25 | 17.78 | 17.96 | 18.32 | 1.84 | 1.36 | 0.90 | 0.52 | 0.24 | 18.32 | CMS |
| Min | 0.12 | 0.16 | 0.96 | 2.32 | 2.88 | 2.08 | 1.92 | 1.44 | 0.90 | 0.56 | 0.24 | 0.06 | 0.06 | CMS |
| Runoff | 0.82 | 3.00 | 7.42 | 13.13 | 13.97 | 10.08 | 10.80 | 4.20 | 2.97 | 1.91 | 1.03 | 0.34 | 69.67 | MCM |

Momentary Peak 35.26 CMS. at 76.88 m. (MSL.) at 06.00 Hours , on Oct 1 , 2006

Runoff Yield 17.21 Liters/Second/Square KM. Momentary Peak Yield 274.70 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Lam Phachi at A. Chom Bung, Ratchaburi (K.61)

Lat 13 - 41 - 28 N Long 99 - 27 - 08 E

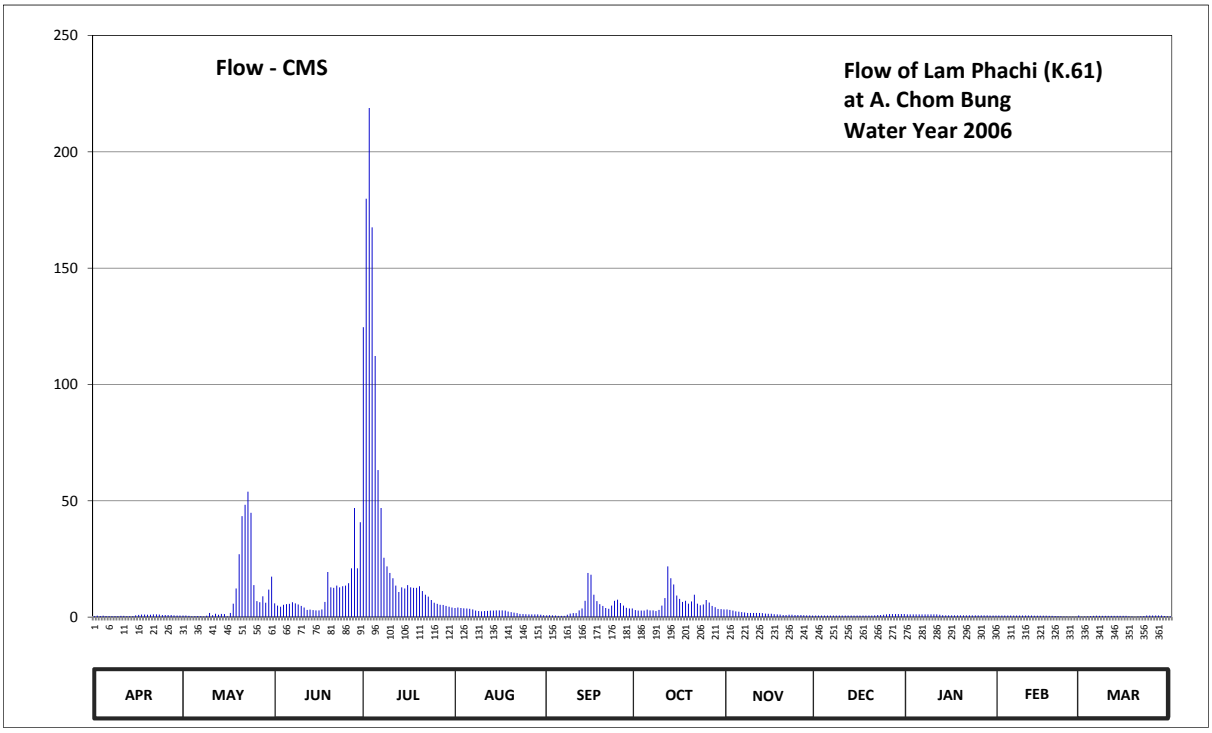
**Location : on right bank at the bridge on highway.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** - | **Amphoe** | Chom Bung | **Changwat** | Ratchaburi |
| **Drainge Area** | 1,844 sq.km. | | | | |
| **Type of Gage** | Water - stage recorder. | | | | |
| **Zero Gage at Bottom** | +64.629 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | Near the automatic gage building. | | | **Elevation** | +65.419 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 2004 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2004 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2004 to date | | | | |
| **Stability of Channel Regimes** | Unstable with variable water surface slope. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records poor. Stage-discharge relation defined by 29 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 65.26 | 65.31 | 65.86 | 67.83 | 65.69 | 65.33 | 65.60 | 65.63 | 65.31 | 65.39 | 65.31 | 65.20 | |
| 2 | 65.30 | 65.31 | 65.78 | 68.23 | 65.71 | 65.34 | 65.58 | 65.61 | 65.31 | 65.39 | 65.31 | 65.21 | |
| 3 | 65.27 | 65.29 | 65.74 | 68.46 | 65.69 | 65.32 | 65.58 | 65.58 | 65.31 | 65.39 | 65.31 | 65.23 | |
| 4 | 65.30 | 65.23 | 65.81 | 68.15 | 65.68 | 65.31 | 65.58 | 65.55 | 65.31 | 65.39 | 65.31 | 65.26 | |
| 5 | 65.27 | 65.25 | 65.83 | 67.72 | 65.67 | 65.29 | 65.62 | 65.53 | 65.31 | 65.39 | 65.31 | 65.28 | |
| 6 | 65.25 | 65.27 | 65.84 | 67.19 | 65.66 | 65.28 | 65.59 | 65.51 | 65.31 | 65.39 | 65.31 | 65.30 | |
| 7 | 65.25 | 65.25 | 65.90 | 66.97 | 65.63 | 65.29 | 65.59 | 65.50 | 65.31 | 65.39 | 65.31 | 65.29 | |
| 8 | 65.25 | 65.21 | 65.86 | 66.61 | 65.58 | 65.37 | 65.56 | 65.47 | 65.31 | 65.39 | 65.31 | 65.29 | |
| 9 | 65.26 | 65.30 | 65.82 | 66.52 | 65.56 | 65.44 | 65.61 | 65.47 | 65.31 | 65.39 | 65.31 | 65.29 | |
| 10 | 65.29 | 65.47 | 65.77 | 66.45 | 65.55 | 65.46 | 65.78 | 65.47 | 65.31 | 65.39 | 65.31 | 65.29 | |
| 11 | 65.28 | 65.34 | 65.71 | 66.39 | 65.56 | 65.46 | 66.01 | 65.47 | 65.31 | 65.39 | 65.31 | 65.29 | |
| 12 | 65.25 | 65.43 | 65.61 | 66.28 | 65.57 | 65.59 | 66.52 | 65.47 | 65.31 | 65.37 | 65.31 | 65.29 | |
| 13 | 65.25 | 65.37 | 65.62 | 66.16 | 65.58 | 65.67 | 66.39 | 65.46 | 65.31 | 65.34 | 65.30 | 65.28 | |
| 14 | 65.26 | 65.42 | 65.60 | 66.25 | 65.58 | 65.94 | 66.30 | 65.44 | 65.31 | 65.33 | 65.30 | 65.28 | |
| 15 | 65.33 | 65.41 | 65.59 | 66.23 | 65.59 | 66.45 | 66.08 | 65.43 | 65.31 | 65.33 | 65.30 | 65.28 | |
| 16 | 65.36 | 65.23 | 65.59 | 66.29 | 65.59 | 66.43 | 65.99 | 65.43 | 65.31 | 65.33 | 65.30 | 65.28 | |
| 17 | 65.38 | 65.47 | 65.63 | 66.25 | 65.59 | 66.10 | 65.91 | 65.40 | 65.31 | 65.33 | 65.30 | 65.24 | |
| 18 | 65.38 | 65.85 | 65.91 | 66.24 | 65.58 | 65.93 | 65.94 | 65.39 | 65.31 | 65.33 | 65.29 | 65.21 | |
| 19 | 65.37 | 66.23 | 66.46 | 66.24 | 65.54 | 65.83 | 65.85 | 65.38 | 65.31 | 65.33 | 65.29 | 65.19 | |
| 20 | 65.37 | 66.64 | 66.25 | 66.27 | 65.51 | 65.77 | 65.92 | 65.35 | 65.31 | 65.33 | 65.27 | 65.21 | |
| 21 | 65.39 | 66.92 | 66.24 | 66.18 | 65.49 | 65.69 | 66.10 | 65.35 | 65.33 | 65.33 | 65.26 | 65.24 | |
| 22 | 65.39 | 66.99 | 66.28 | 66.10 | 65.46 | 65.66 | 65.85 | 65.37 | 65.35 | 65.33 | 65.23 | 65.27 | |
| 23 | 65.38 | 67.07 | 66.25 | 66.05 | 65.42 | 65.78 | 65.79 | 65.37 | 65.35 | 65.33 | 65.22 | 65.31 | |
| 24 | 65.35 | 66.94 | 66.27 | 65.96 | 65.41 | 65.94 | 65.82 | 65.35 | 65.37 | 65.33 | 65.21 | 65.31 | |
| 25 | 65.35 | 66.29 | 66.28 | 65.88 | 65.40 | 65.97 | 65.96 | 65.35 | 65.39 | 65.33 | 65.20 | 65.31 | |
| 26 | 65.35 | 65.93 | 66.32 | 65.84 | 65.39 | 65.87 | 65.89 | 65.35 | 65.41 | 65.33 | 65.20 | 65.31 | |
| 27 | 65.35 | 65.90 | 66.50 | 65.81 | 65.39 | 65.78 | 65.77 | 65.34 | 65.41 | 65.33 | 65.20 | 65.31 | |
| 28 | 65.33 | 66.06 | 66.97 | 65.80 | 65.39 | 65.70 | 65.72 | 65.33 | 65.41 | 65.33 | 65.31 | 65.31 | |
| 29 | 65.31 | 65.88 | 66.50 | 65.77 | 65.39 | 65.67 | 65.65 | 65.32 | 65.41 | 65.31 | | 65.27 | |
| 30 | 65.31 | 66.21 | 66.88 | 65.74 | 65.37 | 65.67 | 65.64 | 65.31 | 65.41 | 65.31 | | 65.23 | |
| 31 | | 66.41 | | 65.71 | 65.34 | | 65.63 | | 65.41 | 65.31 | | 65.21 | |
| Mean | 65.31 | 65.80 | 66.02 | 66.50 | 65.53 | 65.68 | 65.83 | 65.43 | 65.34 | 65.35 | 65.28 | 65.27 | |
| Max | 65.39 | 67.07 | 66.97 | 68.46 | 65.71 | 66.45 | 66.52 | 65.63 | 65.41 | 65.39 | 65.31 | 65.31 | 68.46 |
| Min | 65.25 | 65.21 | 65.59 | 65.71 | 65.34 | 65.28 | 65.56 | 65.31 | 65.31 | 65.31 | 65.20 | 65.19 | 65.19 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 68.57 | m. (MSL.) , | at 08.00 Hours , on Jul 3 , 2006 | | |
| Zero Gage at Bottom Elevation | 64.63 | m. (MSL.) , | River Bed | 64.94 | m. (MSL.) |
| Left Bank Elevation | 69.85 | m. (MSL.) , | | | |
| Right Bank Elevation | 70.69 | m. (MSL.) , | Drainage Are | 1,844 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.44 | 0.66 | 5.92 | 124.60 | 3.90 | 0.78 | 3.00 | 3.30 | 0.66 | 1.14 | 0.66 | 0.20 | | |
| 2 | 0.60 | 0.66 | 4.96 | 179.80 | 4.12 | 0.84 | 2.80 | 3.10 | 0.66 | 1.14 | 0.66 | 0.24 | | |
| 3 | 0.48 | 0.56 | 4.48 | 218.80 | 3.90 | 0.72 | 2.80 | 2.80 | 0.66 | 1.14 | 0.66 | 0.32 | | |
| 4 | 0.60 | 0.32 | 5.32 | 167.50 | 3.80 | 0.66 | 2.80 | 2.50 | 0.66 | 1.14 | 0.66 | 0.44 | | |
| 5 | 0.48 | 0.40 | 5.56 | 112.20 | 3.70 | 0.56 | 3.20 | 2.30 | 0.66 | 1.14 | 0.66 | 0.52 | | |
| 6 | 0.40 | 0.48 | 5.68 | 63.20 | 3.60 | 0.52 | 2.90 | 2.10 | 0.66 | 1.14 | 0.66 | 0.60 | | |
| 7 | 0.40 | 0.40 | 6.40 | 46.90 | 3.30 | 0.56 | 2.90 | 2.00 | 0.66 | 1.14 | 0.66 | 0.56 | | |
| 8 | 0.40 | 0.24 | 5.92 | 25.50 | 2.80 | 1.02 | 2.60 | 1.76 | 0.66 | 1.14 | 0.66 | 0.56 | | |
| 9 | 0.44 | 0.60 | 5.44 | 21.80 | 2.60 | 1.52 | 3.10 | 1.76 | 0.66 | 1.14 | 0.66 | 0.56 | | |
| 10 | 0.56 | 1.76 | 4.84 | 19.00 | 2.50 | 1.68 | 4.96 | 1.76 | 0.66 | 1.14 | 0.66 | 0.56 | | |
| 11 | 0.52 | 0.84 | 4.12 | 16.70 | 2.60 | 1.68 | 8.16 | 1.76 | 0.66 | 1.14 | 0.66 | 0.56 | | |
| 12 | 0.40 | 1.44 | 3.10 | 13.52 | 2.70 | 2.90 | 21.80 | 1.76 | 0.66 | 1.02 | 0.66 | 0.56 | | |
| 13 | 0.40 | 1.02 | 3.20 | 10.80 | 2.80 | 3.70 | 16.70 | 1.68 | 0.66 | 0.84 | 0.60 | 0.52 | | |
| 14 | 0.44 | 1.36 | 3.00 | 12.80 | 2.80 | 7.04 | 14.00 | 1.52 | 0.66 | 0.78 | 0.60 | 0.52 | | |
| 15 | 0.78 | 1.28 | 2.90 | 12.32 | 2.90 | 19.00 | 9.28 | 1.44 | 0.66 | 0.78 | 0.60 | 0.52 | | |
| 16 | 0.96 | 0.32 | 2.90 | 13.76 | 2.90 | 18.20 | 7.84 | 1.44 | 0.66 | 0.78 | 0.60 | 0.52 | | |
| 17 | 1.08 | 1.76 | 3.30 | 12.80 | 2.90 | 9.60 | 6.56 | 1.20 | 0.66 | 0.78 | 0.60 | 0.36 | | |
| 18 | 1.08 | 5.80 | 6.56 | 12.56 | 2.80 | 6.88 | 7.04 | 1.14 | 0.66 | 0.78 | 0.56 | 0.24 | | |
| 19 | 1.02 | 12.32 | 19.40 | 12.56 | 2.40 | 5.56 | 5.80 | 1.08 | 0.66 | 0.78 | 0.56 | 0.16 | | |
| 20 | 1.02 | 27.00 | 12.80 | 13.28 | 2.10 | 4.84 | 6.72 | 0.90 | 0.66 | 0.78 | 0.48 | 0.24 | | |
| 21 | 1.14 | 43.40 | 12.56 | 11.20 | 1.92 | 3.90 | 9.60 | 0.90 | 0.78 | 0.78 | 0.44 | 0.36 | | |
| 22 | 1.14 | 48.30 | 13.52 | 9.60 | 1.68 | 3.60 | 5.80 | 1.02 | 0.90 | 0.78 | 0.32 | 0.48 | | |
| 23 | 1.08 | 53.90 | 12.80 | 8.80 | 1.36 | 4.96 | 5.08 | 1.02 | 0.90 | 0.78 | 0.28 | 0.66 | | |
| 24 | 0.90 | 44.80 | 13.28 | 7.36 | 1.28 | 7.04 | 5.44 | 0.90 | 1.02 | 0.78 | 0.24 | 0.66 | | |
| 25 | 0.90 | 13.76 | 13.52 | 6.16 | 1.20 | 7.52 | 7.36 | 0.90 | 1.14 | 0.78 | 0.20 | 0.66 | | |
| 26 | 0.90 | 6.88 | 14.60 | 5.68 | 1.14 | 6.04 | 6.28 | 0.90 | 1.28 | 0.78 | 0.20 | 0.66 | | |
| 27 | 0.90 | 6.40 | 21.00 | 5.32 | 1.14 | 4.96 | 4.84 | 0.84 | 1.28 | 0.78 | 0.20 | 0.66 | | |
| 28 | 0.78 | 8.96 | 46.90 | 5.20 | 1.14 | 4.00 | 4.24 | 0.78 | 1.28 | 0.78 | 0.66 | 0.66 | | |
| 29 | 0.66 | 6.16 | 21.00 | 4.84 | 1.14 | 3.70 | 3.50 | 0.72 | 1.28 | 0.66 | | 0.48 | | |
| 30 | 0.66 | 11.84 | 40.80 | 4.48 | 1.02 | 3.70 | 3.40 | 0.66 | 1.28 | 0.66 | | 0.32 | | |
| 31 | | 17.40 | | 4.12 | 0.84 | | 3.30 | | 1.28 | 0.66 | | 0.24 | | |
| Total | 21.56 | 321.02 | 325.78 | 1183.16 | 74.98 | 137.68 | 193.80 | 45.94 | 25.62 | 28.08 | 15.06 | 14.60 | 2387.28 | CMSDAY |
| Mean | 0.72 | 10.36 | 10.86 | 38.17 | 2.42 | 4.59 | 6.25 | 1.53 | 0.83 | 0.91 | 0.54 | 0.47 | 6.54 | CMS |
| Max | 1.14 | 53.90 | 46.90 | 218.80 | 4.12 | 19.00 | 21.80 | 3.30 | 1.28 | 1.14 | 0.66 | 0.66 | 218.80 | CMS |
| Min | 0.40 | 0.24 | 2.90 | 4.12 | 0.84 | 0.52 | 2.60 | 0.66 | 0.66 | 0.66 | 0.20 | 0.16 | 0.16 | CMS |
| Runoff | 1.86 | 27.74 | 28.15 | 102.23 | 6.48 | 11.90 | 16.74 | 3.97 | 2.21 | 2.43 | 1.30 | 1.26 | 206.26 | MCM |

Momentary Peak 379.80 CMS. at 68.57 m. (MSL.) at 08.00 Hours , on Jul 3 , 2006

Runoff Yield 3.55 Liters/Second/Square KM. Momentary Peak Yield 205.97 Liters/Second/Square KM.

## WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Lam Phachi at Ban Nong Phai , Kanchanaburi (K.62)

Lat 13 - 46 - 52 N Long 99 - 25 - 15 E

**Location : on left bank at Ban Nong Phai.**

**Ban** Nong Phai **Amphoe** Dan Makham Tia **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 1,725 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +49.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the gage site. **Elevation** +56.000 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily reading at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 2006 to date |
| **Rating Operation** | |
| **Period of Rating** | 2006 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2006 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 29 discharge measurements made in 2006 |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

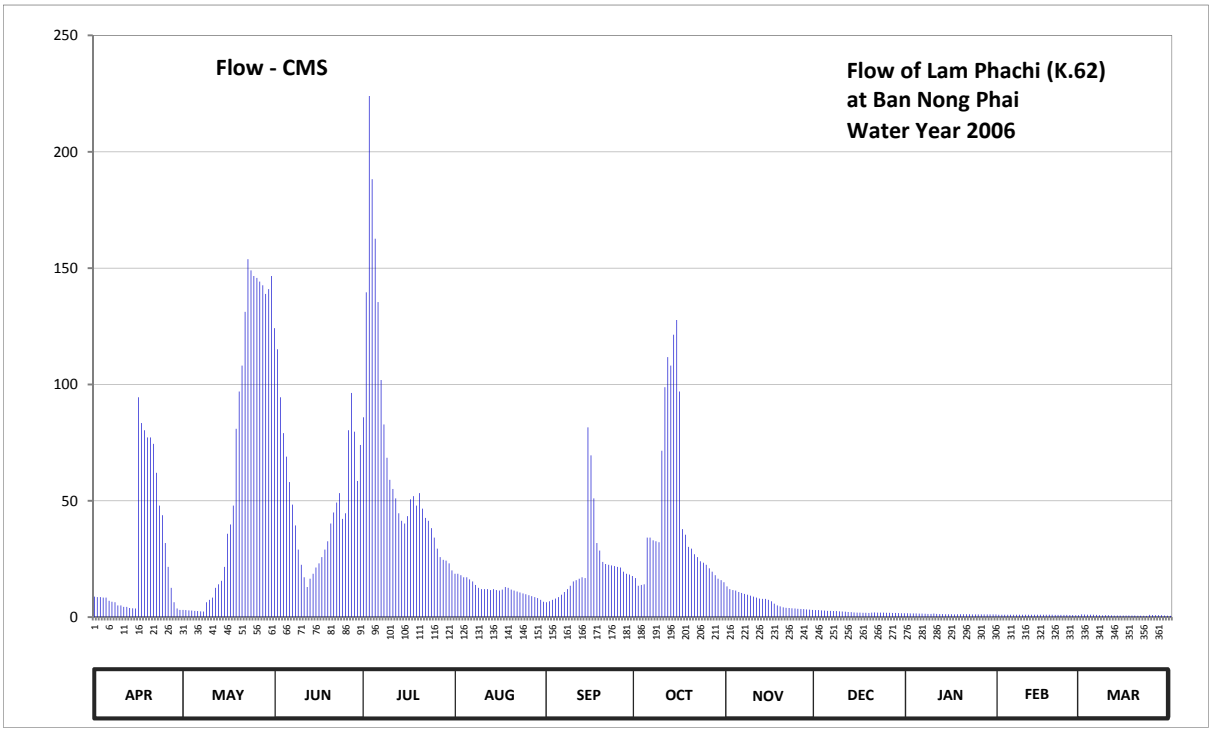
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.04 | 49.71 | 52.56 | 51.96 | 50.42 | 49.92 | 50.36 | 50.24 | 49.70 | 49.53 | 49.41 | 49.43 | |
| 2 | 50.03 | 49.70 | 52.43 | 52.78 | 50.42 | 49.94 | 50.25 | 50.20 | 49.70 | 49.52 | 49.41 | 49.42 | |
| 3 | 50.03 | 49.69 | 52.10 | 53.74 | 50.40 | 49.97 | 50.26 | 50.18 | 49.69 | 49.51 | 49.41 | 49.40 | |
| 4 | 50.02 | 49.68 | 51.85 | 53.38 | 50.37 | 50.00 | 50.27 | 50.17 | 49.68 | 49.51 | 49.41 | 49.41 | |
| 5 | 50.02 | 49.67 | 51.66 | 53.07 | 50.37 | 50.03 | 50.88 | 50.14 | 49.67 | 49.50 | 49.41 | 49.40 | |
| 6 | 49.95 | 49.66 | 51.44 | 52.72 | 50.34 | 50.08 | 50.88 | 50.12 | 49.67 | 49.50 | 49.41 | 49.39 | |
| 7 | 49.93 | 49.65 | 51.23 | 52.22 | 50.31 | 50.14 | 50.85 | 50.10 | 49.66 | 49.49 | 49.41 | 49.37 | |
| 8 | 49.92 | 49.64 | 51.01 | 51.91 | 50.26 | 50.20 | 50.84 | 50.08 | 49.66 | 49.48 | 49.41 | 49.35 | |
| 9 | 49.85 | 49.92 | 50.75 | 51.65 | 50.22 | 50.25 | 50.83 | 50.06 | 49.65 | 49.48 | 49.41 | 49.36 | |
| 10 | 49.85 | 49.97 | 50.55 | 51.46 | 50.20 | 50.31 | 51.71 | 50.04 | 49.64 | 49.50 | 49.41 | 49.36 | |
| 11 | 49.82 | 50.02 | 50.37 | 51.38 | 50.20 | 50.33 | 52.17 | 50.02 | 49.63 | 49.47 | 49.41 | 49.35 | |
| 12 | 49.82 | 50.22 | 50.23 | 51.29 | 50.20 | 50.35 | 52.38 | 50.00 | 49.62 | 49.46 | 49.41 | 49.34 | |
| 13 | 49.79 | 50.27 | 50.35 | 51.14 | 50.18 | 50.37 | 52.32 | 49.99 | 49.61 | 49.46 | 49.40 | 49.34 | |
| 14 | 49.78 | 50.32 | 50.42 | 51.06 | 50.20 | 50.36 | 52.52 | 49.99 | 49.60 | 49.45 | 49.40 | 49.34 | |
| 15 | 49.77 | 50.52 | 50.51 | 51.03 | 50.18 | 51.89 | 52.61 | 49.97 | 49.59 | 49.44 | 49.40 | 49.34 | |
| 16 | 52.10 | 50.92 | 50.57 | 51.11 | 50.17 | 51.67 | 52.14 | 49.94 | 49.58 | 49.44 | 49.40 | 49.34 | |
| 17 | 51.92 | 51.02 | 50.66 | 51.28 | 50.19 | 51.29 | 50.97 | 49.89 | 49.57 | 49.43 | 49.40 | 49.34 | |
| 18 | 51.87 | 51.22 | 50.75 | 51.31 | 50.23 | 50.82 | 50.91 | 49.85 | 49.57 | 49.44 | 49.40 | 49.34 | |
| 19 | 51.82 | 51.88 | 50.84 | 51.22 | 50.22 | 50.74 | 50.78 | 49.83 | 49.56 | 49.45 | 49.40 | 49.33 | |
| 20 | 51.82 | 52.14 | 51.03 | 51.34 | 50.19 | 50.59 | 50.76 | 49.81 | 49.58 | 49.45 | 49.39 | 49.32 | |
| 21 | 51.77 | 52.32 | 51.15 | 51.19 | 50.17 | 50.56 | 50.70 | 49.80 | 49.60 | 49.44 | 49.39 | 49.32 | |
| 22 | 51.52 | 52.66 | 51.25 | 51.09 | 50.15 | 50.55 | 50.66 | 49.79 | 49.59 | 49.44 | 49.39 | 49.32 | |
| 23 | 51.22 | 52.96 | 51.34 | 51.06 | 50.13 | 50.54 | 50.60 | 49.78 | 49.59 | 49.43 | 49.39 | 49.31 | |
| 24 | 51.12 | 52.90 | 51.08 | 50.98 | 50.11 | 50.53 | 50.58 | 49.77 | 49.58 | 49.43 | 49.39 | 49.39 | |
| 25 | 50.82 | 52.87 | 51.14 | 50.88 | 50.09 | 50.52 | 50.55 | 49.76 | 49.57 | 49.43 | 49.38 | 49.38 | |
| 26 | 50.52 | 52.86 | 51.87 | 50.76 | 50.07 | 50.51 | 50.50 | 49.75 | 49.57 | 49.43 | 49.38 | 49.37 | |
| 27 | 50.22 | 52.84 | 52.13 | 50.66 | 50.05 | 50.45 | 50.45 | 49.74 | 49.55 | 49.43 | 49.37 | 49.36 | |
| 28 | 49.92 | 52.82 | 51.86 | 50.62 | 50.03 | 50.42 | 50.40 | 49.73 | 49.55 | 49.43 | 49.37 | 49.36 | |
| 29 | 49.77 | 52.77 | 51.45 | 50.61 | 50.01 | 50.41 | 50.35 | 49.72 | 49.54 | 49.43 | | 49.34 | |
| 30 | 49.71 | 52.80 | 51.76 | 50.57 | 49.97 | 50.39 | 50.33 | 49.71 | 49.53 | 49.43 | | 49.32 | |
| 31 | | 52.87 | | 50.47 | 49.93 | | 50.30 | | 49.53 | 49.43 | | 49.31 | |
| Mean | 50.49 | 51.18 | 51.21 | 51.48 | 50.19 | 50.47 | 50.97 | 49.94 | 49.61 | 49.46 | 49.40 | 49.36 | |
| Max | 52.10 | 52.96 | 52.56 | 53.74 | 50.42 | 51.89 | 52.61 | 50.24 | 49.70 | 49.53 | 49.41 | 49.43 | 53.74 |
| Min | 49.71 | 49.64 | 50.23 | 50.47 | 49.93 | 49.92 | 50.25 | 49.71 | 49.53 | 49.43 | 49.37 | 49.31 | 49.31 |

Annual Max Momentary Gage Height 53.88 m. (MSL.) , at 12.00 Hours , on Jul 3 , 2006

Zero Gage at Bottom Elevation 49.00 m. (MSL.) , River Bed 48.90 m. (MSL)

Left Bank Elevation 54.96 m. (MSL.) ,

Right Bank Elevation 54.98 m. (MSL.) , Drainage Are 1,725 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.80 | 3.10 | 124.20 | 85.87 | 18.60 | 6.40 | 16.80 | 13.20 | 3.00 | 1.65 | 1.05 | 1.15 | | |
| 2 | 8.60 | 3.00 | 115.10 | 139.60 | 18.60 | 6.80 | 13.50 | 12.00 | 3.00 | 1.60 | 1.05 | 1.10 | | |
| 3 | 8.60 | 2.90 | 94.50 | 224.00 | 18.00 | 7.40 | 13.80 | 11.60 | 2.90 | 1.55 | 1.05 | 1.00 | | |
| 4 | 8.40 | 2.80 | 79.08 | 188.20 | 17.10 | 8.00 | 14.10 | 11.40 | 2.80 | 1.55 | 1.05 | 1.05 | | |
| 5 | 8.40 | 2.70 | 69.00 | 162.60 | 17.10 | 8.60 | 34.20 | 10.80 | 2.70 | 1.50 | 1.05 | 1.00 | | |
| 6 | 7.00 | 2.60 | 58.00 | 135.40 | 16.20 | 9.60 | 34.20 | 10.40 | 2.70 | 1.50 | 1.05 | 0.95 | | |
| 7 | 6.60 | 2.50 | 48.35 | 101.90 | 15.30 | 10.80 | 33.00 | 10.00 | 2.60 | 1.45 | 1.05 | 0.85 | | |
| 8 | 6.40 | 2.40 | 39.40 | 82.78 | 13.80 | 12.00 | 32.60 | 9.60 | 2.60 | 1.40 | 1.05 | 0.75 | | |
| 9 | 5.00 | 6.40 | 29.00 | 68.50 | 12.60 | 13.50 | 32.20 | 9.20 | 2.50 | 1.40 | 1.05 | 0.80 | | |
| 10 | 5.00 | 7.40 | 22.50 | 59.00 | 12.00 | 15.30 | 71.50 | 8.80 | 2.40 | 1.50 | 1.05 | 0.80 | | |
| 11 | 4.40 | 8.40 | 17.10 | 55.10 | 12.00 | 15.90 | 98.82 | 8.40 | 2.30 | 1.35 | 1.05 | 0.75 | | |
| 12 | 4.40 | 12.60 | 12.90 | 51.05 | 12.00 | 16.50 | 111.77 | 8.00 | 2.20 | 1.30 | 1.05 | 0.70 | | |
| 13 | 3.90 | 14.10 | 16.50 | 44.60 | 11.60 | 17.10 | 108.07 | 7.80 | 2.10 | 1.30 | 1.00 | 0.70 | | |
| 14 | 3.80 | 15.60 | 18.60 | 41.40 | 12.00 | 16.80 | 121.40 | 7.80 | 2.00 | 1.25 | 1.00 | 0.70 | | |
| 15 | 3.70 | 21.60 | 21.30 | 40.20 | 11.60 | 81.55 | 127.70 | 7.40 | 1.95 | 1.20 | 1.00 | 0.70 | | |
| 16 | 94.50 | 35.80 | 23.10 | 43.40 | 11.40 | 69.50 | 96.97 | 6.80 | 1.90 | 1.20 | 1.00 | 0.70 | | |
| 17 | 83.40 | 39.80 | 25.80 | 50.60 | 11.80 | 51.05 | 37.80 | 5.80 | 1.85 | 1.15 | 1.00 | 0.70 | | |
| 18 | 80.32 | 47.90 | 29.00 | 51.95 | 12.90 | 31.80 | 35.40 | 5.00 | 1.85 | 1.20 | 1.00 | 0.70 | | |
| 19 | 77.23 | 80.93 | 32.60 | 47.90 | 12.60 | 28.60 | 30.20 | 4.60 | 1.80 | 1.25 | 1.00 | 0.65 | | |
| 20 | 77.23 | 96.97 | 40.20 | 53.30 | 11.80 | 23.70 | 29.40 | 4.20 | 1.90 | 1.25 | 0.95 | 0.60 | | |
| 21 | 74.50 | 108.07 | 45.00 | 46.60 | 11.40 | 22.80 | 27.00 | 4.00 | 2.00 | 1.20 | 0.95 | 0.60 | | |
| 22 | 62.00 | 131.20 | 49.25 | 42.60 | 11.00 | 22.50 | 25.80 | 3.90 | 1.95 | 1.20 | 0.95 | 0.60 | | |
| 23 | 47.90 | 153.80 | 53.30 | 41.40 | 10.60 | 22.20 | 24.00 | 3.80 | 1.95 | 1.15 | 0.95 | 0.55 | | |
| 24 | 43.80 | 149.00 | 42.20 | 38.20 | 10.20 | 21.90 | 23.40 | 3.70 | 1.90 | 1.15 | 0.95 | 0.95 | | |
| 25 | 31.80 | 146.60 | 44.60 | 34.20 | 9.80 | 21.60 | 22.50 | 3.60 | 1.85 | 1.15 | 0.90 | 0.90 | | |
| 26 | 21.60 | 145.80 | 80.32 | 29.40 | 9.40 | 21.30 | 21.00 | 3.50 | 1.85 | 1.15 | 0.90 | 0.85 | | |
| 27 | 12.60 | 144.20 | 96.35 | 25.80 | 9.00 | 19.50 | 19.50 | 3.40 | 1.75 | 1.15 | 0.85 | 0.80 | | |
| 28 | 6.40 | 142.60 | 79.70 | 24.60 | 8.60 | 18.60 | 18.00 | 3.30 | 1.75 | 1.15 | 0.85 | 0.80 | | |
| 29 | 3.70 | 138.90 | 58.50 | 24.30 | 8.20 | 18.30 | 16.50 | 3.20 | 1.70 | 1.15 | | 0.70 | | |
| 30 | 3.10 | 141.00 | 74.00 | 23.10 | 7.40 | 17.70 | 15.90 | 3.10 | 1.65 | 1.15 | | 0.60 | | |
| 31 | | 146.60 | | 20.10 | 6.60 | | 15.00 | | 1.65 | 1.15 | | 0.55 | | |
| Total | 813.08 | 1957.27 | 1539.45 | 2077.65 | 381.20 | 657.30 | 1322.03 | 208.30 | 67.05 | 40.30 | 27.85 | 24.25 | 9115.73 | CMSDAY |
| Mean | 27.10 | 63.14 | 51.31 | 67.02 | 12.30 | 21.91 | 42.65 | 6.94 | 2.16 | 1.30 | 0.99 | 0.78 | 24.97 | CMS |
| Max | 94.50 | 153.80 | 124.20 | 224.00 | 18.60 | 81.55 | 127.70 | 13.20 | 3.00 | 1.65 | 1.05 | 1.15 | 224.00 | CMS |
| Min | 3.10 | 2.40 | 12.90 | 20.10 | 6.60 | 6.40 | 13.50 | 3.10 | 1.65 | 1.15 | 0.85 | 0.55 | 0.55 | CMS |
| Runoff | 70.25 | 169.11 | 133.01 | 179.51 | 32.94 | 56.79 | 114.22 | 18.00 | 5.79 | 3.48 | 2.41 | 2.10 | 787.60 | MCM |

Momentary Peak 237.00 CMS. at 53.88 m. (MSL.) at 12.00 Hours , on Jul 3 , 2006

Runoff Yield 14.48 Liters/Second/Square KM. Momentary Peak Yield 137.39 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Prachin Buri River at Ban Kabin Buri , Prachin Buri (Kgt.3)

Lat 13 - 59 - 00 N Long 101 - 42 - 26 E

**Location : on left bank in front of Amphoe Kabin Buri Office and about 500 meters downstream from the confluence of Lam Phra Prong.**

**Ban** Kabin Buri **Amphoe** Kabin Buri **Changwat** Prachin Buri

| | |
|---|---|
| **Drainge Area** | 7,425 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 5 meters from the top staff gage. **Elevation** +11.410 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1941 to date |
| **Rating Operation** | |
| **Period of Rating** | 1941 - 1943 , 1945, 1964 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1941 - 1943 , 1945, 1964 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +9.720 m.(MSL.) and is including overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 28 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

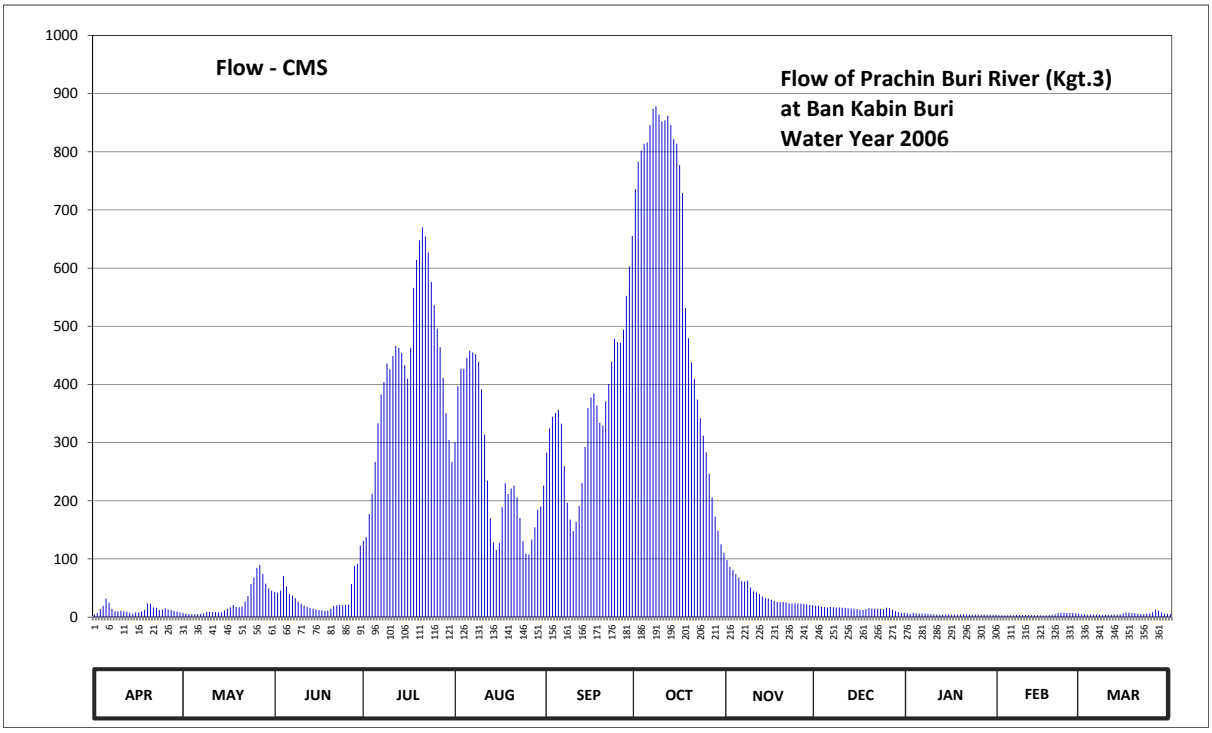
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.08 | 0.25 | 1.75 | 3.82 | 6.33 | 6.11 | 10.08 | 3.16 | 0.87 | 0.21 | -0.06 | 0.10 | |
| 2 | 0.26 | 0.18 | 1.70 | 3.94 | 7.49 | 6.63 | 10.33 | 2.88 | 0.88 | 0.14 | -0.06 | 0.08 | |
| 3 | 0.60 | 0.13 | 1.82 | 4.61 | 7.82 | 6.88 | 10.43 | 2.75 | 0.81 | 0.25 | -0.06 | 0.05 | |
| 4 | 0.87 | 0.08 | 2.49 | 5.13 | 7.82 | 6.96 | 10.49 | 2.57 | 0.76 | 0.21 | -0.06 | 0.04 | |
| 5 | 1.36 | 0.09 | 2.04 | 5.91 | 8.02 | 7.03 | 10.50 | 2.43 | 0.73 | 0.20 | -0.06 | 0.03 | |
| 6 | 1.12 | 0.12 | 1.64 | 6.74 | 8.14 | 6.73 | 10.65 | 2.27 | 0.78 | 0.20 | -0.06 | 0.03 | |
| 7 | 0.60 | 0.15 | 1.54 | 7.33 | 8.11 | 5.81 | 10.79 | 2.25 | 0.74 | 0.19 | 0.02 | 0.00 | |
| 8 | 0.41 | 0.23 | 1.38 | 7.57 | 8.08 | 4.91 | 10.81 | 2.29 | 0.73 | 0.15 | -0.04 | -0.02 | |
| 9 | 0.40 | 0.34 | 1.18 | 7.92 | 7.95 | 4.46 | 10.74 | 1.98 | 0.72 | 0.09 | -0.04 | -0.02 | |
| 10 | 0.43 | 0.35 | 1.05 | 7.81 | 7.43 | 4.13 | 10.68 | 1.78 | 0.71 | 0.06 | -0.04 | 0.00 | |
| 11 | 0.40 | 0.33 | 0.89 | 8.05 | 6.50 | 4.40 | 10.69 | 1.72 | 0.70 | 0.05 | -0.06 | 0.02 | |
| 12 | 0.35 | 0.33 | 0.79 | 8.22 | 5.45 | 4.82 | 10.73 | 1.62 | 0.66 | 0.04 | -0.06 | 0.04 | |
| 13 | 0.27 | 0.31 | 0.70 | 8.19 | 4.50 | 5.39 | 10.65 | 1.47 | 0.64 | 0.04 | -0.08 | 0.04 | |
| 14 | 0.18 | 0.30 | 0.63 | 8.10 | 3.77 | 6.23 | 10.53 | 1.40 | 0.62 | 0.04 | -0.07 | 0.08 | |
| 15 | 0.30 | 0.48 | 0.57 | 7.89 | 3.51 | 7.07 | 10.49 | 1.35 | 0.58 | 0.03 | -0.07 | 0.21 | |
| 16 | 0.31 | 0.61 | 0.51 | 7.63 | 3.74 | 7.27 | 10.30 | 1.29 | 0.53 | 0.03 | -0.09 | 0.28 | |
| 17 | 0.39 | 0.74 | 0.47 | 8.19 | 4.79 | 7.35 | 10.04 | 1.23 | 0.52 | 0.03 | -0.08 | 0.29 | |
| 18 | 0.53 | 0.95 | 0.44 | 9.03 | 5.39 | 7.12 | 9.75 | 1.17 | 0.58 | 0.06 | -0.05 | 0.26 | |
| 19 | 1.07 | 0.76 | 0.46 | 9.35 | 5.12 | 6.75 | 9.45 | 1.15 | 0.67 | 0.06 | 0.00 | 0.23 | |
| 20 | 1.04 | 0.75 | 0.61 | 9.56 | 5.26 | 6.69 | 9.10 | 1.17 | 0.63 | 0.06 | 0.07 | 0.20 | |
| 21 | 0.74 | 0.81 | 0.86 | 9.70 | 5.33 | 7.20 | 8.75 | 1.14 | 0.62 | 0.06 | 0.23 | 0.13 | |
| 22 | 0.70 | 1.19 | 0.91 | 9.60 | 5.04 | 7.53 | 8.20 | 1.08 | 0.61 | 0.06 | 0.26 | 0.12 | |
| 23 | 0.52 | 1.51 | 0.94 | 9.43 | 4.51 | 7.95 | 7.57 | 1.05 | 0.61 | 0.05 | 0.27 | 0.14 | |
| 24 | 0.54 | 2.15 | 0.91 | 9.10 | 3.81 | 8.33 | 6.97 | 1.09 | 0.60 | 0.05 | 0.26 | 0.21 | |
| 25 | 0.64 | 2.42 | 0.95 | 8.81 | 3.38 | 8.28 | 6.26 | 1.07 | 0.71 | 0.04 | 0.26 | 0.33 | |
| 26 | 0.54 | 2.84 | 0.97 | 8.48 | 3.35 | 8.27 | 5.62 | 1.05 | 0.66 | 0.00 | 0.26 | 0.56 | |
| 27 | 0.52 | 2.96 | 2.15 | 8.20 | 3.87 | 8.47 | 5.04 | 1.02 | 0.53 | 0.00 | 0.22 | 0.46 | |
| 28 | 0.43 | 2.59 | 2.92 | 7.65 | 4.24 | 8.93 | 4.54 | 0.98 | 0.41 | 0.00 | 0.18 | 0.30 | |
| 29 | 0.36 | 2.16 | 3.02 | 6.96 | 4.72 | 9.28 | 4.14 | 0.94 | 0.32 | 0.00 | | 0.20 | |
| 30 | 0.30 | 1.94 | 3.66 | 6.38 | 4.81 | 9.61 | 3.70 | 0.91 | 0.26 | 0.00 | | 0.18 | |
| 31 | | 1.82 | | 5.91 | 5.33 | | 3.41 | | 0.26 | 0.00 | | 0.11 | |
| Mean | 0.54 | 0.96 | 1.33 | 7.59 | 5.60 | 6.89 | 8.76 | 1.61 | 0.63 | 0.08 | 0.04 | 0.15 | |
| Max | 1.36 | 2.96 | 3.66 | 9.70 | 8.14 | 9.61 | 10.81 | 3.16 | 0.88 | 0.25 | 0.27 | 0.56 | 10.81 |
| Min | 0.08 | 0.08 | 0.44 | 3.82 | 3.35 | 4.13 | 3.41 | 0.91 | 0.26 | 0.00 | -0.09 | -0.02 | -0.09 |

Annual Max Momentary Gage Height 10.83 m. (MSL.) , at 06.00 Hours, on Oct 8, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed -1.14 m. (MSL.)

Left Bank Elevation 10.26 m. (MSL.) ,

Right Bank Elevation 9.71 m. (MSL.) , Drainage Are 7,425 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.80 | 7.00 | 43.50 | 131.00 | 300.40 | 282.80 | 736.40 | 98.00 | 19.40 | 6.20 | 3.40 | 5.00 | | |
| 2 | 7.20 | 5.80 | 42.00 | 137.20 | 397.10 | 324.40 | 782.70 | 86.20 | 19.60 | 5.40 | 3.40 | 4.80 | | |
| 3 | 14.00 | 5.30 | 45.60 | 177.15 | 426.80 | 344.40 | 802.00 | 81.00 | 18.20 | 7.00 | 3.40 | 4.50 | | |
| 4 | 19.40 | 4.80 | 70.60 | 212.10 | 426.80 | 350.80 | 814.00 | 73.80 | 17.20 | 6.20 | 3.40 | 4.40 | | |
| 5 | 31.80 | 4.90 | 52.90 | 266.80 | 446.00 | 356.40 | 816.00 | 68.20 | 16.60 | 6.00 | 3.40 | 4.30 | | |
| 6 | 24.60 | 5.20 | 40.20 | 333.20 | 458.00 | 332.40 | 846.00 | 61.80 | 17.60 | 6.00 | 3.40 | 4.30 | | |
| 7 | 14.00 | 5.50 | 37.20 | 382.70 | 455.00 | 259.70 | 874.00 | 61.00 | 16.80 | 5.90 | 4.20 | 4.00 | | |
| 8 | 10.20 | 6.60 | 32.40 | 404.30 | 452.00 | 196.70 | 878.10 | 62.60 | 16.60 | 5.50 | 3.60 | 3.80 | | |
| 9 | 10.00 | 8.80 | 26.40 | 436.00 | 439.00 | 167.60 | 864.00 | 50.80 | 16.40 | 4.90 | 3.60 | 3.80 | | |
| 10 | 10.60 | 9.00 | 23.00 | 425.90 | 391.70 | 147.80 | 852.00 | 44.40 | 16.20 | 4.60 | 3.60 | 4.00 | | |
| 11 | 10.00 | 8.60 | 19.80 | 449.00 | 314.00 | 164.00 | 854.00 | 42.60 | 16.00 | 4.50 | 3.40 | 4.20 | | |
| 12 | 9.00 | 8.60 | 17.80 | 466.20 | 234.50 | 190.80 | 862.00 | 39.60 | 15.20 | 4.40 | 3.40 | 4.40 | | |
| 13 | 7.40 | 8.20 | 16.00 | 463.00 | 170.00 | 230.30 | 846.00 | 35.10 | 14.80 | 4.40 | 3.20 | 4.40 | | |
| 14 | 5.80 | 8.00 | 14.60 | 454.00 | 128.50 | 292.40 | 822.00 | 33.00 | 14.40 | 4.40 | 3.30 | 4.80 | | |
| 15 | 8.00 | 11.60 | 13.40 | 433.10 | 115.50 | 359.60 | 814.00 | 31.50 | 13.60 | 4.30 | 3.30 | 6.20 | | |
| 16 | 8.20 | 14.20 | 12.20 | 409.70 | 127.00 | 377.30 | 777.00 | 29.70 | 12.60 | 4.30 | 3.10 | 7.60 | | |
| 17 | 9.80 | 16.80 | 11.40 | 463.00 | 188.85 | 384.50 | 729.20 | 27.90 | 12.40 | 4.30 | 3.20 | 7.80 | | |
| 18 | 12.60 | 21.00 | 10.80 | 566.20 | 230.30 | 363.80 | 531.50 | 26.10 | 13.60 | 4.60 | 3.50 | 7.20 | | |
| 19 | 23.40 | 17.20 | 11.20 | 614.00 | 211.40 | 334.00 | 479.50 | 25.50 | 15.40 | 4.60 | 4.00 | 6.60 | | |
| 20 | 22.80 | 17.00 | 14.20 | 647.60 | 221.20 | 329.20 | 438.00 | 26.10 | 14.60 | 4.60 | 4.70 | 6.00 | | |
| 21 | 16.80 | 18.20 | 19.20 | 670.00 | 226.10 | 371.00 | 409.50 | 25.20 | 14.40 | 4.60 | 6.60 | 5.30 | | |
| 22 | 16.00 | 26.70 | 20.20 | 654.00 | 205.80 | 400.70 | 374.00 | 23.60 | 14.20 | 4.60 | 7.20 | 5.20 | | |
| 23 | 12.40 | 36.30 | 20.80 | 626.80 | 170.65 | 439.00 | 341.50 | 23.00 | 14.20 | 4.50 | 7.40 | 5.40 | | |
| 24 | 12.80 | 57.00 | 20.20 | 576.00 | 130.50 | 478.30 | 311.80 | 23.80 | 14.00 | 4.50 | 7.20 | 6.20 | | |
| 25 | 14.80 | 67.80 | 21.00 | 536.30 | 109.00 | 472.80 | 283.40 | 23.40 | 16.20 | 4.40 | 7.20 | 8.60 | | |
| 26 | 12.80 | 84.60 | 21.40 | 495.60 | 107.50 | 471.70 | 246.40 | 23.00 | 15.20 | 4.00 | 7.20 | 13.20 | | |
| 27 | 12.40 | 89.40 | 57.00 | 464.00 | 133.50 | 494.40 | 205.80 | 22.40 | 12.60 | 4.00 | 6.40 | 11.20 | | |
| 28 | 10.60 | 74.60 | 87.80 | 411.50 | 154.40 | 552.20 | 172.60 | 21.60 | 10.20 | 4.00 | 5.80 | 8.00 | | |
| 29 | 9.20 | 57.40 | 91.80 | 350.80 | 184.30 | 603.00 | 148.40 | 20.80 | 8.40 | 4.00 | | 6.00 | | |
| 30 | 8.00 | 49.40 | 123.00 | 304.40 | 190.15 | 655.60 | 125.00 | 20.20 | 7.20 | 4.00 | | 5.80 | | |
| 31 | | 45.60 | | 266.80 | 226.10 | | 110.50 | | 7.20 | 4.00 | | 5.10 | | |
| Total | 389.40 | 801.10 | 1037.60 | 13228.35 | 7972.05 | 10727.60 | 18147.30 | 1231.90 | 451.00 | 148.70 | 125.50 | 182.10 | 54442.60 | CMSDAY |
| Mean | 12.98 | 25.84 | 34.59 | 426.72 | 257.16 | 357.59 | 585.40 | 41.06 | 14.55 | 4.80 | 4.48 | 5.87 | 149.16 | CMS |
| Max | 31.80 | 89.40 | 123.00 | 670.00 | 458.00 | 655.60 | 878.10 | 98.00 | 19.60 | 7.00 | 7.40 | 13.20 | 878.10 | CMS |
| Min | 4.80 | 4.80 | 10.80 | 131.00 | 107.50 | 147.80 | 110.50 | 20.20 | 7.20 | 4.00 | 3.10 | 3.80 | 3.10 | CMS |
| Runoff | 33.64 | 69.22 | 89.65 | 1142.93 | 688.79 | 926.86 | 1567.93 | 106.44 | 38.97 | 12.85 | 10.84 | 15.73 | 4703.84 | MCM |

Momentary Peak 882.30 CMS, at 10.83 m. (MSL.), at 06.00 Hours, on Oct 8, 2006

Runoff Yield 20.09 Liters/Second/Square KM. Momentary Peak Yield 118.83 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Khlong Phra Sathung at Ban Khao Chakan , Sa Kaeo (Kgt.9)

Lat 13 - 40 - 11 N Long 102 - 04 - 38 E

**Location : on right bank near Wat Khao Chakan.**

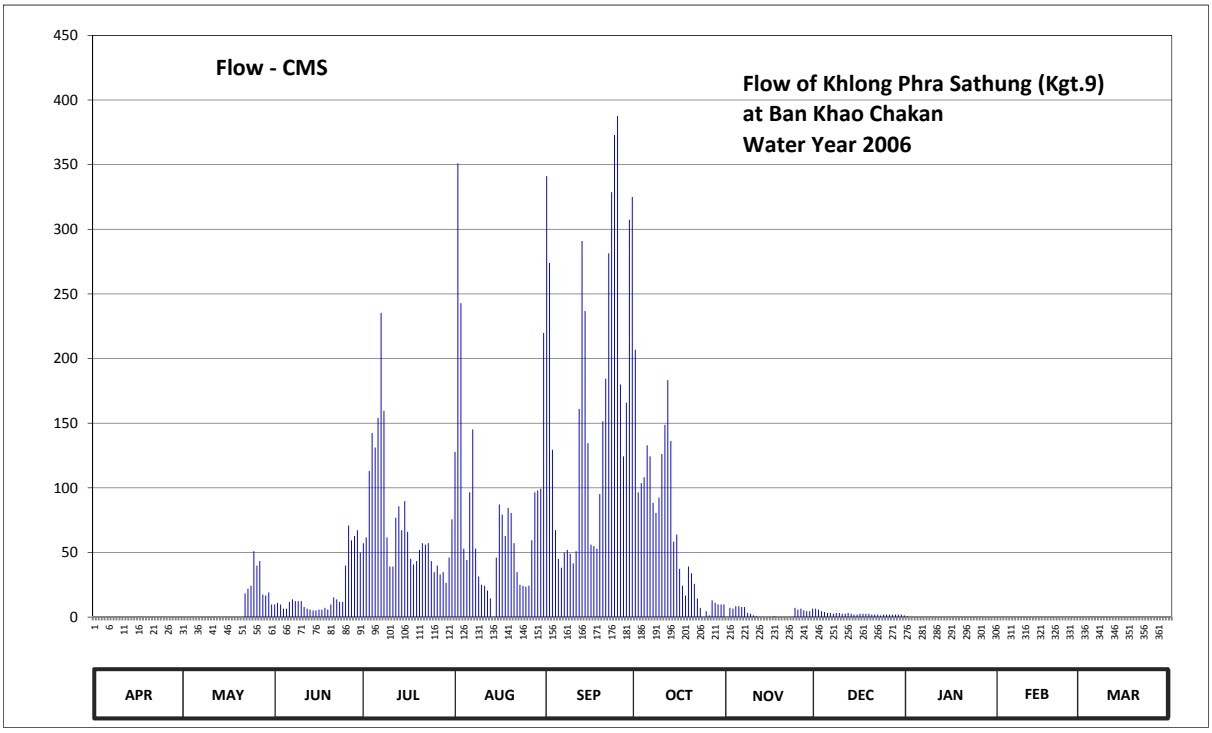
**Ban** Khao Chakan **Amphoe** Khao Chakan **Changwat** Sa Kaeo

| | |
|---|---|
| **Drainge Area** | 2,264 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +39.566 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 10 meters from the automatic gage building. **Elevation** +48.586 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1972 to date |
| **Rating Operation** | |
| **Period of Rating** | 1972 - 1987 , 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1972 - 1987 , 1989 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +47.010 m.(MSL.) and is including overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 43.26 | 43.40 | 43.35 | 43.92 | 44.44 | 47.67 | 45.88 | 43.17 | 43.30 | 43.21 | 43.17 | 43.17 | |
| 2 | 43.51 | 43.41 | 43.37 | 43.96 | 47.77 | 46.88 | 44.24 | 43.31 | 43.29 | 43.20 | 43.19 | 43.17 | |
| 3 | 43.48 | 43.41 | 43.35 | 44.35 | 46.44 | 44.45 | 44.29 | 43.30 | 43.27 | 43.20 | 43.19 | 43.17 | |
| 4 | 43.47 | 43.41 | 43.30 | 44.61 | 43.88 | 44.01 | 44.32 | 43.33 | 43.26 | 43.20 | 43.18 | 43.17 | |
| 5 | 43.45 | 43.41 | 43.30 | 44.46 | 43.79 | 43.80 | 44.47 | 43.33 | 43.25 | 43.19 | 43.18 | 43.17 | |
| 6 | 43.40 | 43.40 | 43.38 | 44.87 | 44.24 | 43.72 | 44.42 | 43.32 | 43.25 | 43.19 | 43.18 | 43.17 | |
| 7 | 43.33 | 43.42 | 43.41 | 46.33 | 44.67 | 43.85 | 44.18 | 43.32 | 43.24 | 42.18 | 43.18 | 43.17 | |
| 8 | 43.27 | 43.42 | 43.39 | 44.99 | 43.88 | 43.87 | 44.12 | 43.25 | 43.25 | 43.19 | 43.17 | 43.17 | |
| 9 | 43.24 | 43.42 | 43.39 | 43.96 | 43.64 | 43.84 | 44.21 | 43.24 | 43.25 | 43.19 | 43.17 | 43.17 | |
| 10 | 43.22 | 43.41 | 43.39 | 43.73 | 43.56 | 43.76 | 44.43 | 43.22 | 43.24 | 43.19 | 43.17 | 43.17 | |
| 11 | 43.22 | 43.42 | 43.32 | 43.73 | 43.55 | 43.86 | 44.75 | 43.21 | 43.24 | 43.19 | 43.17 | 43.17 | |
| 12 | 43.22 | 43.51 | 43.30 | 44.09 | 43.50 | 45.02 | 45.46 | 43.18 | 43.25 | 43.19 | 43.17 | 43.17 | |
| 13 | 43.23 | 43.47 | 43.29 | 44.16 | 43.42 | 47.10 | 44.49 | 43.18 | 43.24 | 43.18 | 43.18 | 43.16 | |
| 14 | 43.24 | 43.42 | 43.28 | 44.01 | 43.03 | 46.35 | 43.93 | 43.19 | 43.23 | 43.18 | 43.18 | 43.16 | |
| 15 | 43.23 | 43.42 | 43.28 | 44.19 | 43.81 | 44.48 | 43.98 | 43.17 | 43.23 | 43.18 | 43.18 | 43.16 | |
| 16 | 43.23 | 43.42 | 43.29 | 44.00 | 44.17 | 43.91 | 43.71 | 43.20 | 43.24 | 43.19 | 43.17 | 43.16 | |
| 17 | 43.46 | 43.42 | 43.29 | 43.80 | 44.11 | 43.90 | 43.55 | 43.21 | 43.24 | 43.19 | 43.17 | 43.16 | |
| 18 | 43.47 | 43.42 | 43.31 | 43.75 | 43.97 | 43.88 | 43.45 | 43.20 | 43.24 | 43.19 | 43.17 | 43.16 | |
| 19 | 43.47 | 43.42 | 43.29 | 43.78 | 44.15 | 44.23 | 43.73 | 43.20 | 43.24 | 43.19 | 43.17 | 43.17 | |
| 20 | 43.46 | 43.37 | 43.35 | 43.87 | 44.12 | 44.81 | 43.67 | 43.17 | 43.23 | 43.19 | 43.17 | 43.17 | |
| 21 | 43.45 | 43.32 | 43.43 | 43.92 | 43.92 | 45.48 | 43.57 | 43.19 | 43.23 | 43.19 | 43.17 | 43.18 | |
| 22 | 43.45 | 43.47 | 43.41 | 43.91 | 43.68 | 46.98 | 43.42 | 43.16 | 43.23 | 43.20 | 43.17 | 43.18 | |
| 23 | 43.45 | 43.52 | 43.38 | 43.92 | 43.56 | 47.54 | 43.31 | 43.14 | 43.22 | 43.19 | 43.17 | 43.17 | |
| 24 | 43.42 | 43.55 | 43.38 | 43.78 | 43.55 | 47.99 | 43.18 | 43.31 | 43.23 | 43.19 | 43.17 | 43.12 | |
| 25 | 43.41 | 43.86 | 43.74 | 43.68 | 43.54 | 48.13 | 43.27 | 43.29 | 43.23 | 43.19 | 43.17 | 43.13 | |
| 26 | 43.41 | 43.74 | 44.04 | 43.74 | 43.55 | 45.40 | 43.22 | 43.30 | 43.23 | 43.18 | 43.17 | 43.11 | |
| 27 | 43.41 | 43.78 | 43.94 | 43.66 | 43.94 | 44.42 | 43.40 | 43.28 | 43.23 | 43.18 | 43.17 | 43.09 | |
| 28 | 43.41 | 43.46 | 43.97 | 43.68 | 44.24 | 45.12 | 43.37 | 43.27 | 43.23 | 43.18 | 43.17 | 43.07 | |
| 29 | 43.41 | 43.45 | 44.01 | 43.58 | 44.25 | 47.30 | 43.35 | 43.27 | 43.23 | 43.18 | | 43.06 | |
| 30 | 43.41 | 43.48 | 43.85 | 43.81 | 44.26 | 47.50 | 43.35 | 43.30 | 43.23 | 43.17 | | 43.06 | |
| 31 | | 43.35 | | 44.08 | 46.09 | | 43.35 | | 43.22 | 43.17 | | 43.05 | |
| Mean | 43.37 | 43.46 | 43.46 | 44.07 | 44.15 | 45.31 | 43.94 | 43.24 | 43.24 | 43.16 | 43.17 | 43.15 | |
| Max | 43.51 | 43.86 | 44.04 | 46.33 | 47.77 | 48.13 | 45.88 | 43.33 | 43.30 | 43.21 | 43.19 | 43.18 | 48.13 |
| Min | 43.22 | 43.32 | 43.28 | 43.58 | 43.03 | 43.72 | 43.18 | 43.14 | 43.22 | 42.18 | 43.17 | 43.05 | 42.18 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 48.32 | m. (MSL.) , | at 18.00 Hours, on Aug 2, 2006 | | |
| Zero Gage at Bottom Elevation | 39.57 | m. (MSL.) , | River Bed | 38.74 | m. (MSL.) |
| Left Bank Elevation | 47.00 | m. (MSL.) , | | | |
| Right Bank Elevation | 48.43 | m. (MSL.) , | Drainage Are | 2,264 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 9.75 | 57.20 | 127.80 | 341.15 | 206.80 | 0.00 | 6.50 | 0.65 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 11.05 | 61.60 | 351.00 | 274.00 | 96.60 | 7.15 | 5.85 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 9.75 | 113.00 | 242.80 | 129.50 | 103.60 | 6.50 | 4.55 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 6.50 | 142.45 | 53.00 | 67.20 | 108.20 | 8.45 | 3.90 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 6.50 | 131.20 | 44.15 | 45.00 | 132.90 | 8.45 | 3.25 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 11.70 | 154.15 | 96.60 | 38.20 | 124.40 | 7.80 | 3.25 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 13.75 | 235.45 | 145.15 | 50.00 | 88.40 | 7.80 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 12.35 | 159.55 | 53.00 | 52.00 | 80.60 | 3.25 | 3.25 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 12.35 | 61.60 | 31.40 | 49.00 | 92.40 | 2.60 | 3.25 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 12.35 | 39.05 | 25.00 | 41.60 | 126.10 | 1.30 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 7.80 | 39.05 | 24.25 | 51.00 | 148.75 | 0.65 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 6.50 | 76.80 | 20.50 | 161.00 | 183.30 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 5.85 | 85.80 | 14.50 | 291.00 | 136.30 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 5.20 | 67.20 | 0.00 | 236.75 | 58.30 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 5.20 | 89.70 | 46.00 | 134.60 | 63.80 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 5.85 | 66.00 | 87.10 | 56.10 | 37.35 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 5.85 | 45.00 | 79.30 | 55.00 | 24.25 | 0.65 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 7.15 | 40.75 | 62.70 | 53.00 | 16.75 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 5.85 | 43.30 | 84.50 | 95.20 | 39.05 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 9.75 | 52.00 | 80.60 | 151.45 | 33.95 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 15.25 | 57.20 | 57.20 | 184.40 | 25.75 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 18.25 | 13.75 | 56.10 | 34.80 | 281.50 | 14.50 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 22.00 | 11.70 | 57.20 | 25.00 | 328.80 | 7.15 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 24.25 | 11.70 | 43.30 | 24.25 | 373.00 | 0.00 | 7.15 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 51.00 | 39.90 | 34.80 | 23.50 | 387.65 | 4.55 | 5.85 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 39.90 | 70.80 | 39.90 | 24.25 | 180.00 | 1.30 | 6.50 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 43.30 | 59.40 | 33.10 | 59.40 | 124.40 | 13.00 | 5.20 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 17.50 | 62.70 | 34.80 | 96.60 | 166.00 | 11.05 | 4.55 | 1.95 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 16.75 | 67.20 | 26.50 | 98.00 | 307.50 | 9.75 | 4.55 | 1.95 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 19.00 | 50.00 | 46.00 | 99.40 | 325.00 | 9.75 | 6.50 | 1.95 | 0.00 | | 0.00 | | |
| 31 | | 9.75 | | 75.60 | 219.85 | | 9.75 | | 1.30 | 0.00 | | 0.00 | | |
| Total | 0.00 | 261.70 | 573.45 | 2265.35 | 2431.60 | 5031.00 | 2008.35 | 94.90 | 83.85 | 0.65 | 0.00 | 0.00 | 12750.85 | CMSDAY |
| Mean | 0.00 | 8.44 | 19.11 | 73.08 | 78.44 | 167.70 | 64.79 | 3.16 | 2.70 | 0.02 | 0.00 | 0.00 | 34.93 | CMS |
| Max | 0.00 | 51.00 | 70.80 | 235.45 | 351.00 | 387.65 | 206.80 | 8.45 | 6.50 | 0.65 | 0.00 | 0.00 | 387.65 | CMS |
| Min | 0.00 | 0.00 | 5.20 | 26.50 | 0.00 | 38.20 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 22.61 | 49.55 | 195.73 | 210.09 | 434.68 | 173.52 | 8.20 | 7.24 | 0.06 | 0.00 | 0.00 | 1101.67 | MCM |

Momentary Peak 408.20 CMS, at 48.32 m. (MSL.), at 18.00 Hours, on Aug 2, 2006

Runoff Yield 15.43 Liters/Second/Square KM. Momentary Peak Yield 180.30 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Khlong Phra Prong at Ban Kaeng , Sa Kaeo (Kgt.12)

Lat 13 - 56 - 10 N Long 101 - 58 - 27 E

**Location : on left bank near the railway station at Ban Kaeng at about 200 meters upstream from Thot Saphon Sawmill.**

**Ban** Kaeng **Amphoe** Mueang **Changwat** Sa Kaeo

| | |
|---|---|
| **Drainge Area** | 1,478 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +13.835 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank in front of the gage observer's house. **Elevation** +23.522 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1966 to date |
| **Rating Operation** | |
| **Period of Rating** | 1966 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1966 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. The concrete weir situated about 7 kilometers downstream from the gage site. Stage-discharge relation defined by 21 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

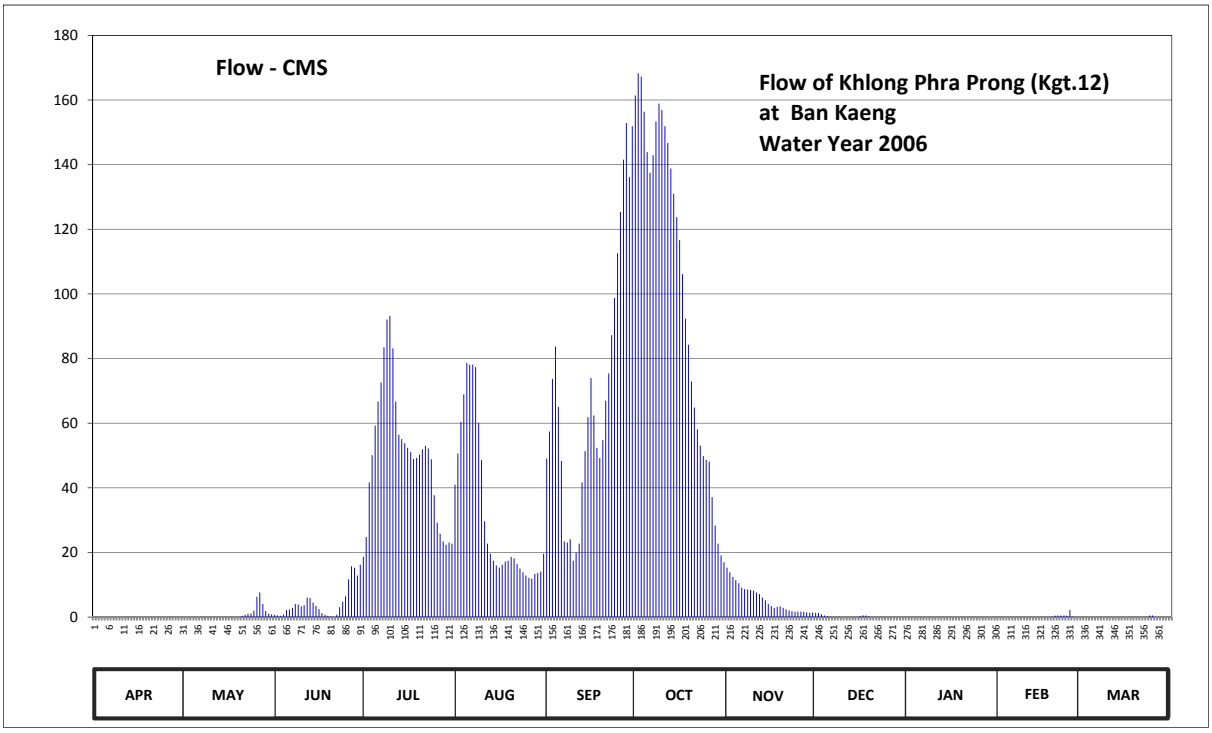
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.15 | 15.72 | 15.34 | 16.76 | 17.30 | 17.81 | 22.00 | 16.62 | 15.58 | 14.71 | 14.69 | 14.86 | |
| 2 | 15.17 | 15.69 | 15.27 | 16.95 | 18.08 | 18.73 | 22.13 | 16.56 | 15.56 | 14.75 | 14.71 | 14.84 | |
| 3 | 15.24 | 15.66 | 15.20 | 17.31 | 18.91 | 19.57 | 22.11 | 16.50 | 15.42 | 14.76 | 14.70 | 14.81 | |
| 4 | 15.31 | 15.67 | 15.40 | 18.01 | 19.35 | 19.96 | 21.90 | 16.46 | 15.24 | 14.76 | 14.68 | 14.79 | |
| 5 | 15.36 | 15.71 | 15.71 | 18.84 | 19.77 | 19.17 | 21.64 | 16.42 | 15.11 | 14.72 | 14.68 | 14.77 | |
| 6 | 15.36 | 15.69 | 15.74 | 19.25 | 19.75 | 17.52 | 21.50 | 16.34 | 15.05 | 14.72 | 14.68 | 14.75 | |
| 7 | 15.32 | 15.58 | 15.81 | 19.52 | 19.75 | 16.91 | 21.62 | 16.31 | 15.04 | 14.72 | 14.68 | 14.74 | |
| 8 | 15.31 | 15.44 | 15.98 | 19.95 | 19.72 | 16.90 | 21.84 | 16.30 | 15.04 | 14.80 | 14.68 | 14.72 | |
| 9 | 15.46 | 15.32 | 15.96 | 20.27 | 18.89 | 16.93 | 21.95 | 16.29 | 15.04 | 14.85 | 14.68 | 14.72 | |
| 10 | 15.50 | 15.18 | 15.87 | 20.31 | 17.63 | 16.71 | 21.91 | 16.28 | 15.01 | 14.89 | 14.65 | 14.71 | |
| 11 | 15.45 | 15.09 | 15.92 | 19.94 | 17.07 | 16.81 | 21.81 | 16.24 | 15.00 | 14.95 | 14.61 | 14.70 | |
| 12 | 15.44 | 15.06 | 16.13 | 19.25 | 16.89 | 16.89 | 21.70 | 16.21 | 15.01 | 14.97 | 14.58 | 14.70 | |
| 13 | 15.39 | 15.13 | 16.12 | 18.66 | 16.80 | 17.31 | 21.53 | 16.13 | 15.03 | 14.94 | 14.58 | 14.70 | |
| 14 | 15.26 | 15.21 | 16.02 | 18.55 | 16.71 | 18.17 | 21.35 | 16.07 | 15.02 | 14.89 | 14.59 | 14.71 | |
| 15 | 15.20 | 15.29 | 15.90 | 18.43 | 16.65 | 18.99 | 21.17 | 15.99 | 15.02 | 14.84 | 14.60 | 14.72 | |
| 16 | 15.19 | 15.25 | 15.75 | 18.30 | 16.62 | 19.58 | 20.99 | 15.89 | 15.17 | 14.82 | 14.61 | 14.72 | |
| 17 | 15.19 | 15.10 | 15.54 | 18.13 | 16.66 | 19.02 | 20.70 | 15.81 | 15.27 | 14.85 | 14.69 | 14.68 | |
| 18 | 15.25 | 14.89 | 15.37 | 17.76 | 16.70 | 18.30 | 20.28 | 15.85 | 15.24 | 14.86 | 14.89 | 14.63 | |
| 19 | 15.28 | 14.66 | 15.21 | 17.85 | 16.71 | 17.84 | 19.98 | 15.88 | 15.11 | 14.86 | 15.08 | 14.60 | |
| 20 | 15.25 | 14.91 | 15.10 | 18.04 | 16.76 | 18.52 | 19.53 | 15.81 | 14.95 | 14.82 | 15.22 | 14.57 | |
| 21 | 15.23 | 15.20 | 15.03 | 18.24 | 16.74 | 19.26 | 19.16 | 15.74 | 14.94 | 14.70 | 15.24 | 14.57 | |
| 22 | 15.22 | 15.36 | 15.36 | 18.35 | 16.67 | 19.64 | 18.77 | 15.70 | 14.91 | 14.54 | 15.25 | 14.60 | |
| 23 | 15.20 | 15.46 | 15.84 | 18.27 | 16.61 | 20.09 | 18.36 | 15.66 | 14.89 | 14.50 | 15.24 | 14.89 | |
| 24 | 15.14 | 15.51 | 16.04 | 17.72 | 16.56 | 20.49 | 17.96 | 15.64 | 14.82 | 14.51 | 15.23 | 15.24 | |
| 25 | 15.14 | 15.68 | 16.16 | 17.24 | 16.52 | 20.88 | 17.67 | 15.64 | 14.78 | 14.50 | 15.72 | 15.24 | |
| 26 | 15.32 | 16.15 | 16.47 | 17.06 | 16.49 | 21.21 | 17.45 | 15.65 | 14.76 | 14.48 | 15.07 | 15.00 | |
| 27 | 15.57 | 16.24 | 16.64 | 16.98 | 16.48 | 21.59 | 17.23 | 15.64 | 14.73 | 14.42 | 14.95 | 14.78 | |
| 28 | 15.66 | 15.98 | 16.62 | 16.91 | 16.54 | 21.83 | 17.04 | 15.61 | 14.71 | 14.40 | 14.89 | 14.68 | |
| 29 | 15.71 | 15.67 | 16.52 | 16.88 | 16.55 | 21.47 | 16.89 | 15.60 | 14.71 | 14.48 | | 14.66 | |
| 30 | 15.74 | 15.49 | 16.66 | 16.90 | 16.57 | 21.81 | 16.78 | 15.59 | 14.70 | 14.59 | | 14.64 | |
| 31 | | 15.41 | | 16.89 | 16.80 | | 16.69 | | 14.70 | 14.65 | | 14.63 | |
| Mean | 15.33 | 15.43 | 15.82 | 18.18 | 17.40 | 19.00 | 20.05 | 16.01 | 15.02 | 14.72 | 14.85 | 14.75 | |
| Max | 15.74 | 16.24 | 16.66 | 20.31 | 19.77 | 21.83 | 22.13 | 16.62 | 15.58 | 14.97 | 15.72 | 15.24 | 22.13 |
| Min | 15.14 | 14.66 | 15.03 | 16.76 | 16.48 | 16.71 | 16.69 | 15.59 | 14.70 | 14.40 | 14.58 | 14.57 | 14.40 |

Annual Max Momentary Gage Height 22.16 m. (MSL.) , at 24.00 Hours, on Oct 2, 2006

Zero Gage at Bottom Elevation 13.84 m. (MSL.) , River Bed 13.16 m. (MSL.)

Left Bank Elevation 23.46 m. (MSL.) ,

Right Bank Elevation 22.31 m. (MSL.) , Drainage Are 1,478 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.68 | 18.64 | 41.00 | 49.05 | 161.40 | 15.28 | 1.34 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.54 | 24.78 | 50.64 | 57.41 | 168.29 | 13.84 | 1.28 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.40 | 41.70 | 60.47 | 73.74 | 167.23 | 12.40 | 0.86 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.80 | 50.08 | 68.90 | 83.72 | 156.40 | 11.44 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 2.17 | 59.28 | 78.65 | 65.06 | 143.88 | 10.48 | 0.22 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 2.38 | 66.70 | 78.15 | 48.30 | 137.50 | 9.10 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 2.87 | 72.64 | 78.15 | 23.40 | 142.94 | 8.65 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 4.06 | 83.45 | 77.40 | 23.05 | 153.40 | 8.50 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 3.92 | 92.09 | 60.13 | 24.09 | 158.90 | 8.35 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 3.29 | 93.17 | 48.58 | 17.44 | 156.90 | 8.20 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 3.64 | 83.18 | 29.65 | 19.95 | 151.90 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 6.02 | 66.70 | 22.71 | 22.71 | 146.70 | 7.15 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 5.88 | 56.42 | 19.60 | 41.70 | 138.85 | 6.02 | 0.06 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 4.48 | 55.10 | 17.44 | 51.36 | 131.00 | 5.18 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 3.50 | 53.80 | 16.00 | 61.83 | 123.80 | 4.13 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 2.45 | 52.40 | 15.28 | 73.96 | 116.63 | 3.43 | 0.34 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 1.22 | 51.04 | 16.24 | 62.36 | 106.10 | 2.87 | 0.54 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.74 | 48.90 | 17.20 | 52.40 | 92.36 | 3.15 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.42 | 49.25 | 17.44 | 49.20 | 84.26 | 3.36 | 0.22 | 0.00 | 0.16 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.20 | 50.32 | 18.64 | 54.74 | 72.86 | 2.87 | 0.00 | 0.00 | 0.44 | 0.00 | | |
| 21 | 0.00 | 0.40 | 0.06 | 51.92 | 18.16 | 66.92 | 64.88 | 2.38 | 0.00 | 0.00 | 0.48 | 0.00 | | |
| 22 | 0.00 | 0.72 | 0.72 | 52.95 | 16.48 | 75.40 | 58.09 | 2.10 | 0.00 | 0.00 | 0.50 | 0.00 | | |
| 23 | 0.00 | 0.98 | 3.08 | 52.16 | 15.04 | 87.23 | 53.06 | 1.82 | 0.00 | 0.00 | 0.48 | 0.00 | | |
| 24 | 0.00 | 1.13 | 4.76 | 48.80 | 13.84 | 98.75 | 49.80 | 1.68 | 0.00 | 0.00 | 0.46 | 0.48 | | |
| 25 | 0.00 | 1.96 | 6.44 | 37.70 | 12.88 | 112.58 | 48.68 | 1.68 | 0.00 | 0.00 | 2.24 | 0.48 | | |
| 26 | 0.00 | 6.30 | 11.68 | 29.20 | 12.16 | 125.40 | 48.13 | 1.75 | 0.00 | 0.00 | 0.14 | 0.00 | | |
| 27 | 0.00 | 7.60 | 15.76 | 25.81 | 11.92 | 141.55 | 37.15 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 4.06 | 15.28 | 23.40 | 13.36 | 152.90 | 28.30 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 1.89 | 12.88 | 22.36 | 13.60 | 136.15 | 22.71 | 1.40 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 1.07 | 16.24 | 23.05 | 14.08 | 151.90 | 19.12 | 1.37 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.83 | | 22.71 | 19.60 | | 16.96 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 26.94 | 136.56 | 1559.70 | 993.39 | 2104.25 | 3158.18 | 169.33 | 6.28 | 0.00 | 4.90 | 0.96 | 8160.49 | CMSDAY |
| Mean | 0.00 | 0.87 | 4.55 | 50.31 | 32.04 | 70.14 | 101.88 | 5.64 | 0.20 | 0.00 | 0.17 | 0.03 | 22.36 | CMS |
| Max | 0.00 | 7.60 | 16.24 | 93.17 | 78.65 | 152.90 | 168.29 | 15.28 | 1.34 | 0.00 | 2.24 | 0.48 | 168.29 | CMS |
| Min | 0.00 | 0.00 | 0.06 | 18.64 | 11.92 | 17.44 | 16.96 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 2.33 | 11.80 | 134.76 | 85.83 | 181.81 | 272.87 | 14.63 | 0.54 | 0.00 | 0.42 | 0.08 | 705.07 | MCM |

Momentary Peak 169.88 CMS, at 22.16 m. (MSL.), at 24.00 Hours, on Oct 2, 2006

Runoff Yield 15.13 Liters/Second/Square KM. Momentary Peak Yield 114.94 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Khlong Phra Prong at Ban Non Suk Phum , Prachin Buri (Kgt.13A)

Lat 13 - 54 - 29 N Long 101 - 50 - 32 E

**Location : on left bank about 21 kilometers upstream from station Kgt.13**

**Ban** Non Suk Phum **Amphoe** Kabin Buri **Changwat** Prachin Buri

| | |
|---|---|
| **Drainge Area** | 4,906 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +2.860 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the top staff gage. **Elevation** +13.310 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +15.450 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

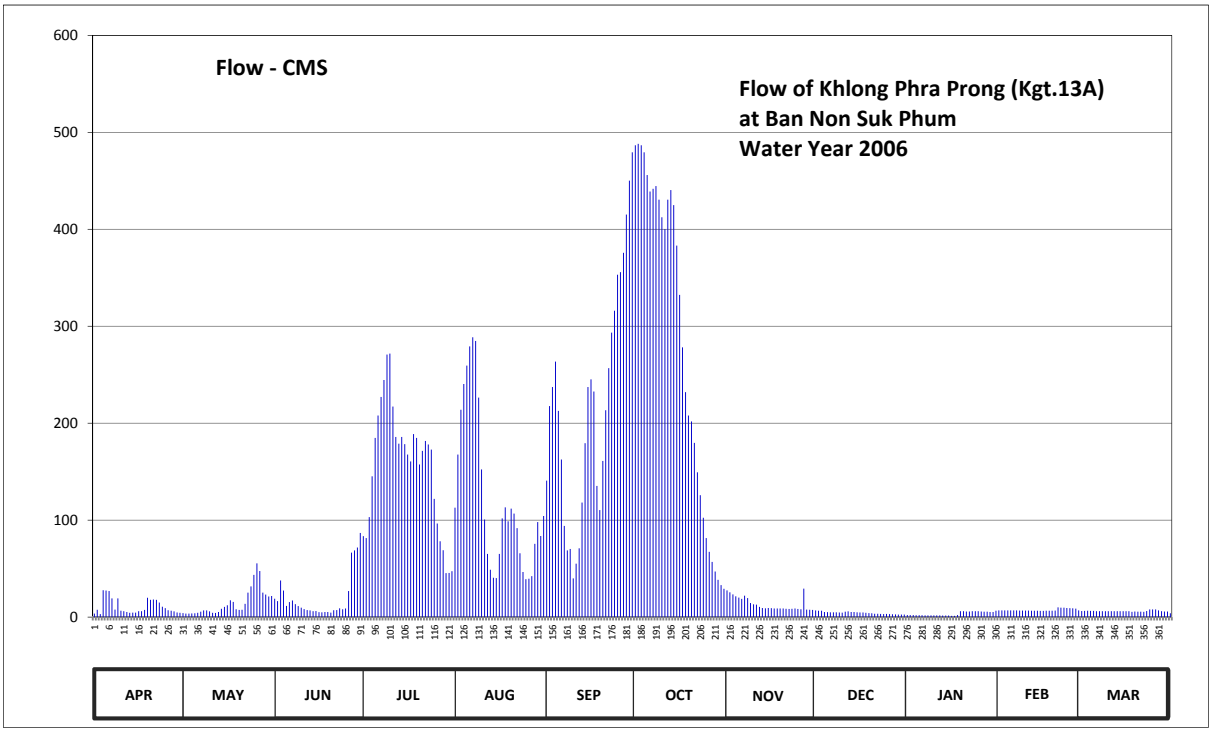
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.26 | 5.33 | 6.64 | 9.79 | 10.79 | 11.62 | 15.73 | 7.20 | 5.65 | 5.04 | 5.66 | 5.58 | |
| 2 | 5.73 | 5.26 | 6.46 | 9.72 | 12.31 | 13.28 | 15.74 | 7.08 | 5.62 | 5.03 | 5.66 | 5.59 | |
| 3 | 5.19 | 5.27 | 7.79 | 10.47 | 13.22 | 13.56 | 15.73 | 6.95 | 5.62 | 5.03 | 5.65 | 5.61 | |
| 4 | 7.21 | 5.28 | 7.19 | 11.74 | 13.60 | 13.88 | 15.68 | 6.82 | 5.47 | 5.02 | 5.65 | 5.60 | |
| 5 | 7.19 | 5.30 | 6.09 | 12.69 | 13.83 | 13.20 | 15.52 | 6.72 | 5.45 | 5.01 | 5.65 | 5.60 | |
| 6 | 7.16 | 5.36 | 6.39 | 13.12 | 14.05 | 12.19 | 15.40 | 6.63 | 5.43 | 5.00 | 5.66 | 5.56 | |
| 7 | 6.66 | 5.50 | 6.51 | 13.42 | 14.15 | 10.17 | 15.42 | 6.86 | 5.42 | 4.99 | 5.66 | 5.56 | |
| 8 | 5.74 | 5.66 | 6.23 | 13.65 | 14.11 | 9.23 | 15.44 | 6.69 | 5.43 | 4.98 | 5.64 | 5.56 | |
| 9 | 6.66 | 5.66 | 6.08 | 13.96 | 13.41 | 9.29 | 15.34 | 6.32 | 5.41 | 4.98 | 5.64 | 5.56 | |
| 10 | 5.62 | 5.53 | 5.94 | 13.97 | 11.93 | 7.90 | 15.21 | 6.22 | 5.39 | 4.98 | 5.64 | 5.56 | |
| 11 | 5.56 | 5.36 | 5.79 | 13.27 | 10.39 | 8.64 | 15.12 | 6.19 | 5.49 | 4.99 | 5.63 | 5.56 | |
| 12 | 5.46 | 5.34 | 5.70 | 12.71 | 9.08 | 9.32 | 15.34 | 6.01 | 5.53 | 4.98 | 5.62 | 5.56 | |
| 13 | 5.37 | 5.47 | 5.66 | 12.57 | 8.36 | 10.96 | 15.41 | 5.91 | 5.46 | 4.97 | 5.61 | 5.56 | |
| 14 | 5.38 | 5.83 | 5.56 | 12.71 | 7.93 | 12.58 | 15.30 | 5.87 | 5.46 | 4.96 | 5.61 | 5.56 | |
| 15 | 5.38 | 6.01 | 5.57 | 12.56 | 7.92 | 13.56 | 14.99 | 5.90 | 5.42 | 4.96 | 5.60 | 5.56 | |
| 16 | 5.56 | 6.14 | 5.44 | 12.31 | 9.08 | 13.66 | 14.57 | 5.89 | 5.40 | 4.91 | 5.59 | 5.56 | |
| 17 | 5.56 | 6.52 | 5.43 | 12.14 | 10.43 | 13.50 | 14.04 | 5.85 | 5.40 | 4.91 | 5.61 | 5.56 | |
| 18 | 5.71 | 6.40 | 5.46 | 12.77 | 10.80 | 11.47 | 13.49 | 5.85 | 5.37 | 5.03 | 5.61 | 5.48 | |
| 19 | 6.71 | 5.78 | 5.46 | 12.69 | 10.33 | 10.71 | 13.12 | 5.86 | 5.33 | 5.56 | 5.61 | 5.51 | |
| 20 | 6.56 | 5.71 | 5.39 | 12.06 | 10.76 | 12.15 | 13.01 | 5.86 | 5.30 | 5.56 | 5.63 | 5.50 | |
| 21 | 6.58 | 5.73 | 5.67 | 12.40 | 10.59 | 13.21 | 12.59 | 5.82 | 5.24 | 5.51 | 5.96 | 5.49 | |
| 22 | 6.56 | 6.26 | 5.69 | 12.63 | 10.09 | 13.80 | 11.85 | 5.81 | 5.23 | 5.51 | 5.94 | 5.48 | |
| 23 | 6.36 | 7.06 | 5.87 | 12.55 | 9.11 | 14.20 | 11.20 | 5.82 | 5.22 | 5.56 | 5.94 | 5.58 | |
| 24 | 6.02 | 7.45 | 5.78 | 12.43 | 8.24 | 14.42 | 10.45 | 5.85 | 5.20 | 5.55 | 5.90 | 5.76 | |
| 25 | 5.88 | 8.09 | 5.86 | 11.08 | 7.86 | 14.75 | 9.72 | 5.80 | 5.22 | 5.55 | 5.88 | 5.76 | |
| 26 | 5.67 | 8.66 | 7.16 | 10.25 | 7.88 | 14.77 | 9.17 | 5.77 | 5.18 | 5.51 | 5.87 | 5.76 | |
| 27 | 5.62 | 8.29 | 9.14 | 9.60 | 8.02 | 14.93 | 8.72 | 7.31 | 5.16 | 5.49 | 5.84 | 5.66 | |
| 28 | 5.53 | 7.06 | 9.23 | 9.24 | 9.50 | 15.23 | 8.27 | 5.75 | 5.14 | 5.49 | 5.66 | 5.56 | |
| 29 | 5.41 | 6.94 | 9.35 | 8.18 | 10.30 | 15.48 | 7.82 | 5.73 | 5.13 | 5.46 | | 5.51 | |
| 30 | 5.36 | 6.80 | 9.91 | 8.19 | 9.80 | 15.68 | 7.52 | 5.71 | 5.12 | 5.46 | | 5.51 | |
| 31 | | 6.84 | | 8.28 | 10.51 | | 7.30 | | 5.11 | 5.61 | | 5.31 | |
| Mean | 5.96 | 6.19 | 6.48 | 11.71 | 10.59 | 12.58 | 13.04 | 6.20 | 5.35 | 5.21 | 5.70 | 5.57 | |
| Max | 7.21 | 8.66 | 9.91 | 13.97 | 14.15 | 15.68 | 15.74 | 7.31 | 5.65 | 5.61 | 5.96 | 5.76 | 15.74 |
| Min | 5.19 | 5.26 | 5.39 | 8.18 | 7.86 | 7.90 | 7.30 | 5.71 | 5.11 | 4.91 | 5.59 | 5.31 | 4.91 |

Annual Max Momentary Gage Height 15.76 m. (MSL.) , at 18.00 Hours, on Sep 30, 2006

Zero Gage at Bottom Elevation 2.86 m. (MSL.) , River Bed 3.70 m. (MSL.)

Left Bank Elevation 16.26 m. (MSL.) ,

Right Bank Elevation 15.44 m. (MSL.) , Drainage Are 4,906 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.62 | 4.16 | 18.96 | 83.43 | 112.89 | 140.74 | 486.73 | 27.50 | 6.88 | 2.14 | 6.96 | 6.28 | | |
| 2 | 7.61 | 3.62 | 16.44 | 81.50 | 167.62 | 217.74 | 488.20 | 25.52 | 6.62 | 2.08 | 6.96 | 6.37 | | |
| 3 | 3.13 | 3.69 | 37.82 | 103.10 | 213.96 | 237.38 | 486.73 | 23.45 | 6.62 | 2.08 | 6.88 | 6.54 | | |
| 4 | 27.67 | 3.76 | 27.34 | 145.18 | 240.50 | 263.60 | 479.40 | 21.50 | 5.35 | 2.02 | 6.88 | 6.45 | | |
| 5 | 27.34 | 3.90 | 11.54 | 184.75 | 259.35 | 212.70 | 455.93 | 20.08 | 5.18 | 1.96 | 6.88 | 6.45 | | |
| 6 | 26.84 | 4.41 | 15.46 | 207.98 | 279.20 | 162.60 | 439.00 | 18.82 | 5.01 | 1.90 | 6.96 | 6.11 | | |
| 7 | 19.24 | 5.60 | 17.14 | 227.10 | 288.70 | 94.13 | 441.80 | 22.10 | 4.92 | 1.84 | 6.96 | 6.11 | | |
| 8 | 7.71 | 6.96 | 13.31 | 244.50 | 284.86 | 68.75 | 444.60 | 19.66 | 5.01 | 1.78 | 6.79 | 6.11 | | |
| 9 | 19.24 | 6.96 | 11.41 | 270.82 | 226.40 | 70.25 | 430.60 | 14.48 | 4.84 | 1.78 | 6.79 | 6.11 | | |
| 10 | 6.62 | 5.86 | 9.78 | 271.74 | 152.34 | 39.93 | 412.40 | 13.19 | 4.67 | 1.78 | 6.79 | 6.11 | | |
| 11 | 6.11 | 4.41 | 8.23 | 217.11 | 100.70 | 55.04 | 400.20 | 12.81 | 5.52 | 1.84 | 6.71 | 6.11 | | |
| 12 | 5.26 | 4.24 | 7.30 | 185.76 | 65.12 | 71.00 | 430.60 | 10.53 | 5.86 | 1.78 | 6.62 | 6.11 | | |
| 13 | 4.50 | 5.35 | 6.96 | 178.88 | 48.83 | 118.16 | 440.40 | 9.47 | 5.26 | 1.72 | 6.54 | 6.11 | | |
| 14 | 4.58 | 8.64 | 6.11 | 185.76 | 40.51 | 179.32 | 425.00 | 9.06 | 5.26 | 1.66 | 6.54 | 6.11 | | |
| 15 | 4.58 | 10.53 | 6.20 | 178.44 | 40.32 | 237.38 | 383.25 | 9.37 | 4.92 | 1.66 | 6.45 | 6.11 | | |
| 16 | 6.11 | 12.17 | 5.09 | 167.62 | 65.12 | 245.30 | 332.38 | 9.26 | 4.75 | 1.36 | 6.37 | 6.11 | | |
| 17 | 6.11 | 17.28 | 5.01 | 160.60 | 101.90 | 232.70 | 278.26 | 8.85 | 4.75 | 1.36 | 6.54 | 6.11 | | |
| 18 | 7.40 | 15.60 | 5.26 | 188.79 | 113.20 | 135.25 | 232.00 | 8.85 | 4.50 | 2.08 | 6.54 | 5.43 | | |
| 19 | 19.94 | 8.13 | 5.26 | 184.75 | 98.90 | 110.41 | 207.98 | 8.95 | 4.16 | 6.11 | 6.54 | 5.69 | | |
| 20 | 17.84 | 7.40 | 4.67 | 157.40 | 111.96 | 161.00 | 201.76 | 8.95 | 3.90 | 6.11 | 6.71 | 5.60 | | |
| 21 | 18.12 | 7.61 | 7.05 | 171.40 | 106.70 | 213.33 | 179.76 | 8.54 | 3.48 | 5.69 | 9.99 | 5.52 | | |
| 22 | 17.84 | 13.69 | 7.22 | 181.72 | 91.81 | 256.80 | 149.30 | 8.44 | 3.41 | 5.69 | 9.78 | 5.43 | | |
| 23 | 15.04 | 25.19 | 9.06 | 178.00 | 65.84 | 293.50 | 125.80 | 8.54 | 3.34 | 6.11 | 9.78 | 6.28 | | |
| 24 | 10.65 | 31.70 | 8.13 | 172.72 | 46.51 | 316.10 | 102.50 | 8.85 | 3.20 | 6.03 | 9.37 | 7.92 | | |
| 25 | 9.16 | 43.61 | 8.95 | 121.96 | 39.16 | 353.25 | 81.50 | 8.33 | 3.34 | 6.03 | 9.16 | 7.92 | | |
| 26 | 7.05 | 55.49 | 26.84 | 96.50 | 39.55 | 355.75 | 67.28 | 8.02 | 3.06 | 5.69 | 9.06 | 7.92 | | |
| 27 | 6.62 | 47.47 | 66.56 | 78.20 | 42.25 | 375.75 | 56.85 | 29.32 | 2.92 | 5.52 | 8.75 | 6.96 | | |
| 28 | 5.86 | 25.19 | 68.75 | 69.00 | 75.60 | 415.20 | 47.09 | 7.82 | 2.78 | 5.52 | 6.96 | 6.11 | | |
| 29 | 4.84 | 23.30 | 71.75 | 45.35 | 98.00 | 450.20 | 38.39 | 7.61 | 2.71 | 5.26 | | 5.69 | | |
| 30 | 4.41 | 21.20 | 86.73 | 45.54 | 83.70 | 479.40 | 32.96 | 7.40 | 2.64 | 5.26 | | 5.69 | | |
| 31 | | 21.80 | | 47.28 | 104.30 | | 29.15 | | 2.57 | 6.54 | | 3.99 | | |
| Total | 331.04 | 458.92 | 600.33 | 4832.88 | 3805.80 | 6562.66 | 8807.80 | 405.27 | 137.43 | 108.38 | 207.26 | 191.56 | 26449.33 | CMSDAY |
| Mean | 11.03 | 14.80 | 20.01 | 155.90 | 122.77 | 218.76 | 284.12 | 13.51 | 4.43 | 3.50 | 7.40 | 6.18 | 72.46 | CMS |
| Max | 27.67 | 55.49 | 86.73 | 271.74 | 288.70 | 479.40 | 488.20 | 29.32 | 6.88 | 6.54 | 9.99 | 7.92 | 488.20 | CMS |
| Min | 3.13 | 3.62 | 4.67 | 45.35 | 39.16 | 39.93 | 29.15 | 7.40 | 2.57 | 1.36 | 6.37 | 3.99 | 1.36 | CMS |
| Runoff | 28.60 | 39.65 | 51.87 | 417.56 | 328.82 | 567.01 | 760.99 | 35.02 | 11.87 | 9.36 | 17.91 | 16.55 | 2285.22 | MCM |

Momentary Peak 491.13 CMS, at 15.76 m. (MSL.), at 18.00 Hours, on Sep 30, 2006

Runoff Yield 14.77 Liters/Second/Square KM. Momentary Peak Yield 100.11 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Khlong Yang at Ban Thung Faek , Prachin Buri (Kgt.14)

Lat 14 - 09 - 29 N Long 101 - 52 - 50 E

**Location : on left bank about 2 kilometers from Kabin Buri - Nakhon Ratchasima Highway.**

**Ban** Thung Faek **Amphoe** Na Di **Changwat** Prachin Buri

| | |
|---|---|
| **Drainge Area** | 354 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +34.600 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the automatic gage building. **Elevation** +42.429 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1966 to date |
| **Rating Operation** | |
| **Period of Rating** | 1966 - 1981 , 1986 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1966 - 1981 , 1986 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow |
| **General Description** | Records good. Stage-discharge relation defined by 19 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

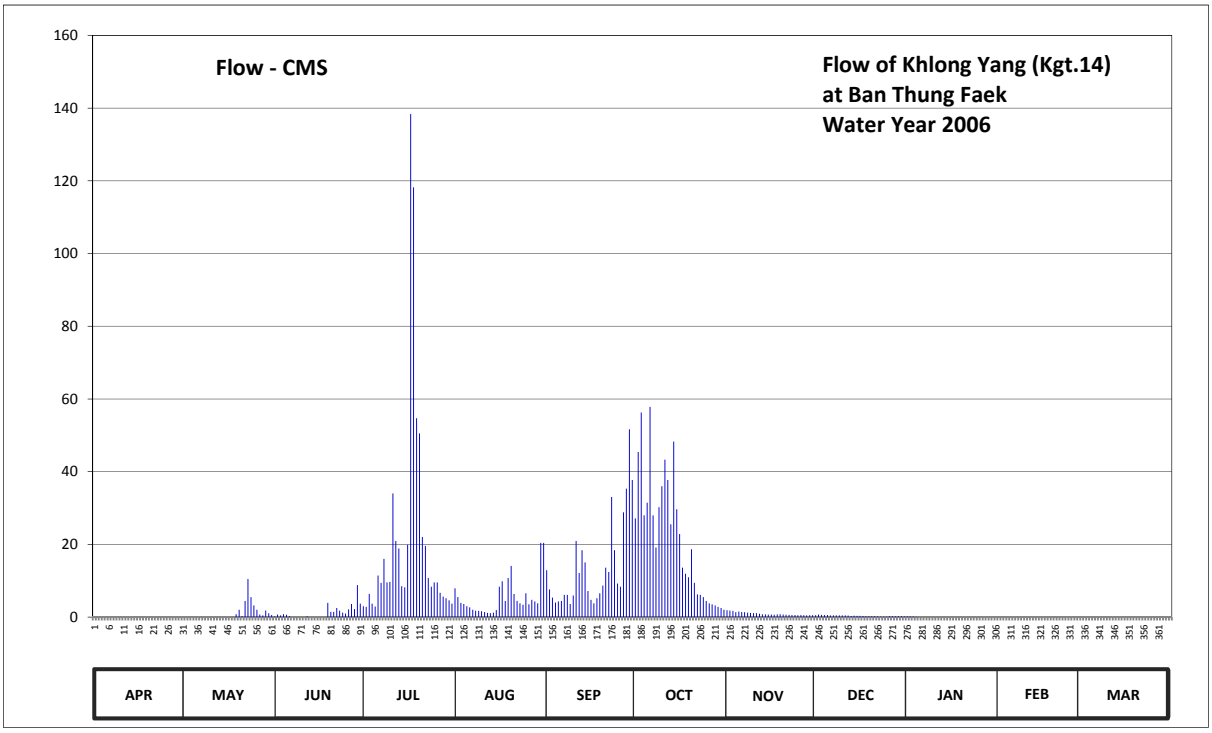
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.02 | 34.99 | 35.44 | 35.90 | 36.26 | 36.52 | 37.08 | 35.78 | 35.53 | 35.45 | 35.21 | 35.05 | |
| 2 | 35.00 | 34.99 | 35.57 | 35.88 | 36.10 | 36.24 | 37.64 | 35.77 | 35.58 | 35.45 | 35.21 | 35.04 | |
| 3 | 35.00 | 34.98 | 35.52 | 36.16 | 35.99 | 36.09 | 37.93 | 35.75 | 35.55 | 35.44 | 35.19 | 35.03 | |
| 4 | 34.99 | 34.97 | 35.60 | 35.97 | 35.96 | 36.00 | 37.11 | 35.69 | 35.54 | 35.42 | 35.18 | 35.01 | |
| 5 | 34.98 | 34.96 | 35.56 | 35.89 | 35.90 | 36.02 | 37.23 | 35.72 | 35.54 | 35.40 | 35.18 | 35.01 | |
| 6 | 34.98 | 34.96 | 35.46 | 36.46 | 35.87 | 36.03 | 37.97 | 35.70 | 35.52 | 35.39 | 35.17 | 35.00 | |
| 7 | 34.98 | 34.97 | 35.38 | 36.36 | 35.80 | 36.14 | 37.11 | 35.69 | 35.52 | 35.38 | 35.16 | 34.99 | |
| 8 | 34.98 | 34.95 | 35.31 | 36.65 | 35.76 | 36.14 | 36.78 | 35.67 | 35.52 | 35.37 | 35.15 | 34.97 | |
| 9 | 34.98 | 34.95 | 35.25 | 36.37 | 35.75 | 35.96 | 37.19 | 35.66 | 35.52 | 35.36 | 35.15 | 34.96 | |
| 10 | 34.98 | 34.95 | 35.25 | 36.38 | 35.74 | 36.13 | 37.37 | 35.65 | 35.52 | 35.35 | 35.14 | 34.96 | |
| 11 | 34.97 | 34.95 | 35.27 | 37.31 | 35.70 | 36.85 | 37.58 | 35.65 | 35.52 | 35.35 | 35.14 | 34.95 | |
| 12 | 34.97 | 34.95 | 35.45 | 36.85 | 35.66 | 36.49 | 37.42 | 35.62 | 35.51 | 35.33 | 35.13 | 34.95 | |
| 13 | 34.98 | 34.95 | 35.31 | 36.77 | 35.65 | 36.75 | 37.02 | 35.60 | 35.48 | 35.33 | 35.12 | 34.94 | |
| 14 | 34.98 | 34.95 | 35.25 | 36.30 | 35.67 | 36.61 | 37.72 | 35.59 | 35.50 | 35.31 | 35.10 | 34.93 | |
| 15 | 35.03 | 34.96 | 35.20 | 36.28 | 35.79 | 36.21 | 37.17 | 35.58 | 35.49 | 35.28 | 35.09 | 34.92 | |
| 16 | 35.04 | 34.96 | 35.17 | 36.81 | 36.29 | 36.05 | 36.92 | 35.57 | 35.49 | 35.27 | 35.09 | 34.92 | |
| 17 | 35.04 | 34.95 | 35.16 | 39.48 | 36.39 | 35.98 | 36.55 | 35.56 | 35.48 | 35.26 | 35.09 | 34.91 | |
| 18 | 35.04 | 35.17 | 35.26 | 39.17 | 36.03 | 36.08 | 36.48 | 35.59 | 35.47 | 35.25 | 35.08 | 34.91 | |
| 19 | 35.06 | 35.60 | 35.99 | 37.89 | 36.43 | 36.17 | 36.44 | 35.60 | 35.46 | 35.24 | 35.07 | 34.90 | |
| 20 | 35.08 | 35.80 | 35.71 | 37.78 | 36.57 | 36.31 | 36.76 | 35.57 | 35.47 | 35.24 | 35.06 | 34.93 | |
| 21 | 35.08 | 35.47 | 35.71 | 36.89 | 36.16 | 36.55 | 36.36 | 35.56 | 35.46 | 35.24 | 35.05 | 34.94 | |
| 22 | 35.08 | 36.03 | 35.85 | 36.80 | 36.03 | 36.50 | 36.15 | 35.55 | 35.45 | 35.23 | 35.04 | 34.94 | |
| 23 | 35.09 | 36.42 | 35.76 | 36.43 | 35.98 | 37.28 | 36.14 | 35.54 | 35.43 | 35.24 | 35.03 | 34.93 | |
| 24 | 35.10 | 36.10 | 35.67 | 36.29 | 35.94 | 36.75 | 36.10 | 35.54 | 35.43 | 35.25 | 35.02 | 34.93 | |
| 25 | 35.08 | 35.92 | 35.63 | 36.37 | 36.17 | 36.35 | 36.03 | 35.53 | 35.43 | 35.24 | 35.02 | 34.92 | |
| 26 | 35.07 | 35.80 | 35.81 | 36.37 | 35.95 | 36.29 | 35.98 | 35.54 | 35.46 | 35.24 | 35.01 | 34.92 | |
| 27 | 35.05 | 35.58 | 35.96 | 36.18 | 36.05 | 37.14 | 35.95 | 35.53 | 35.46 | 35.23 | 35.04 | 34.92 | |
| 28 | 35.02 | 35.52 | 35.82 | 36.11 | 36.02 | 37.35 | 35.92 | 35.52 | 35.45 | 35.23 | 35.06 | 34.90 | |
| 29 | 35.01 | 35.77 | 36.32 | 36.08 | 35.98 | 37.81 | 35.88 | 35.53 | 35.46 | 35.23 | | 34.90 | |
| 30 | 35.00 | 35.64 | 35.97 | 36.04 | 36.83 | 37.42 | 35.85 | 35.53 | 35.46 | 35.23 | | 34.89 | |
| 31 | | 35.54 | | 35.97 | 36.83 | | 35.80 | | 35.45 | 35.22 | | 34.88 | |
| Mean | 35.02 | 35.31 | 35.55 | 36.65 | 36.04 | 36.47 | 36.76 | 35.61 | 35.49 | 35.30 | 35.11 | 34.95 | |
| Max | 35.10 | 36.42 | 36.32 | 39.48 | 36.83 | 37.81 | 37.97 | 35.78 | 35.58 | 35.45 | 35.21 | 35.05 | 39.48 |
| Min | 34.97 | 34.95 | 35.16 | 35.88 | 35.65 | 35.96 | 35.80 | 35.52 | 35.43 | 35.22 | 35.01 | 34.88 | 34.88 |

Annual Max Momentary Gage Height 40.44 m. (MSL.) , at 12.00 Hours, on Jul 17, 2006

Zero Gage at Bottom Elevation 34.60 m. (MSL.) , River Bed 33.32 m. (MSL.)

Left Bank Elevation 41.69 m. (MSL.) ,

Right Bank Elevation 41.91 m. (MSL.) , Drainage Are 354 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.16 | 3.00 | 7.90 | 12.88 | 27.16 | 1.88 | 0.52 | 0.20 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.68 | 2.80 | 5.50 | 7.60 | 45.40 | 1.82 | 0.72 | 0.20 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.48 | 6.40 | 3.90 | 5.35 | 56.27 | 1.70 | 0.60 | 0.16 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.80 | 3.70 | 3.60 | 4.00 | 27.98 | 1.34 | 0.56 | 0.08 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.64 | 2.90 | 3.00 | 4.30 | 31.46 | 1.52 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.24 | 11.44 | 2.70 | 4.45 | 57.83 | 1.40 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 9.40 | 2.00 | 6.10 | 27.98 | 1.34 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 16.00 | 1.76 | 6.10 | 19.12 | 1.22 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 9.55 | 1.70 | 3.60 | 30.22 | 1.16 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 9.70 | 1.64 | 5.95 | 36.01 | 1.10 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 34.03 | 1.40 | 20.95 | 43.30 | 1.10 | 0.48 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.20 | 20.95 | 1.16 | 12.16 | 37.70 | 0.92 | 0.44 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 18.88 | 1.10 | 18.40 | 25.54 | 0.80 | 0.32 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 8.50 | 1.22 | 15.04 | 48.26 | 0.76 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 8.20 | 1.94 | 7.15 | 29.66 | 0.72 | 0.36 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 19.87 | 8.35 | 4.75 | 22.84 | 0.68 | 0.36 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 138.36 | 9.85 | 3.80 | 13.60 | 0.64 | 0.32 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 118.20 | 4.45 | 5.20 | 11.92 | 0.76 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.80 | 3.90 | 54.72 | 10.72 | 6.55 | 10.96 | 0.80 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 2.00 | 1.46 | 50.54 | 14.08 | 8.65 | 18.64 | 0.68 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.28 | 1.46 | 22.03 | 6.40 | 13.60 | 9.40 | 0.64 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 4.45 | 2.50 | 19.60 | 4.45 | 12.40 | 6.25 | 0.60 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 10.48 | 1.76 | 10.72 | 3.80 | 33.06 | 6.10 | 0.56 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 5.50 | 1.22 | 8.35 | 3.40 | 18.40 | 5.50 | 0.56 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 3.20 | 0.98 | 9.55 | 6.55 | 9.25 | 4.45 | 0.52 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 2.00 | 2.10 | 9.55 | 3.50 | 8.35 | 3.80 | 0.56 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.72 | 3.60 | 6.70 | 4.75 | 28.82 | 3.50 | 0.52 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.48 | 2.20 | 5.65 | 4.30 | 35.35 | 3.20 | 0.48 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 1.82 | 8.80 | 5.20 | 3.80 | 51.68 | 2.80 | 0.52 | 0.24 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 1.04 | 3.70 | 4.60 | 20.41 | 37.70 | 2.50 | 0.52 | 0.24 | 0.00 | | 0.00 | | |
| 31 | | 0.56 | | 3.70 | 20.41 | | 2.00 | | 0.20 | 0.00 | | 0.00 | | |
| Total | 0.00 | 33.33 | 36.88 | 652.79 | 169.74 | 411.59 | 671.35 | 27.82 | 11.00 | 0.64 | 0.00 | 0.00 | 2015.14 | CMSDAY |
| Mean | 0.00 | 1.08 | 1.23 | 21.06 | 5.48 | 13.72 | 21.66 | 0.93 | 0.35 | 0.02 | 0.00 | 0.00 | 5.52 | CMS |
| Max | 0.00 | 10.48 | 8.80 | 138.36 | 20.41 | 51.68 | 57.83 | 1.88 | 0.72 | 0.20 | 0.00 | 0.00 | 138.36 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 2.80 | 1.10 | 3.60 | 2.00 | 0.48 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 2.88 | 3.19 | 56.40 | 14.67 | 35.56 | 58.00 | 2.40 | 0.95 | 0.06 | 0.00 | 0.00 | 174.11 | MCM |

Momentary Peak 208.40 CMS, at 40.44 m. (MSL.), at 12.00 Hours, on Jul 17, 2006

Runoff Yield 15.59 Liters/Second/Square KM. Momentary Peak Yield 588.53 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Huai Samong at Ban Kaeng Din So , Prachin Buri (Kgt.15A)

Lat 14 - 03 - 47 N Long 101 - 55 - 39 E

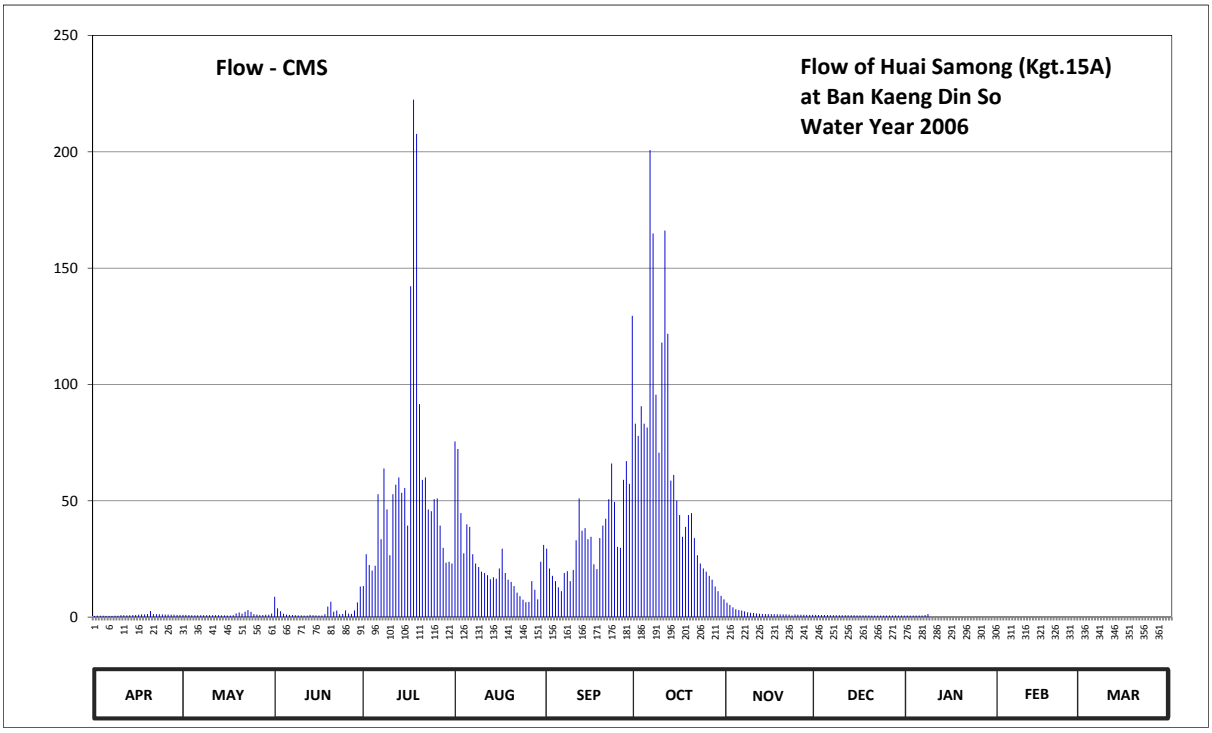
**Location : on right bank at Ban Kaeng Din So about 1 kilometer upstream from the Kgt.15 Station.**

| | | | |
|---|---|---|---|
| | **Ban** Kaeng Din So | **Amphoe** Na Di | **Changwat** Prachin Buri |
| **Drainge Area** | 548 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +12.800 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | In front of the station office and near the rain gage. | **Elevation** | +22.396 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1968 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1968 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1968 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Flow effected by the local weir. | | |
| | Stage-discharge relation defined by 18 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.45 | 13.76 | 15.08 | 15.39 | 17.05 | 15.96 | 17.24 | 14.87 | 13.75 | 13.54 | 14.51 | 15.08 | |
| 2 | 13.50 | 13.75 | 14.63 | 15.90 | 16.97 | 15.73 | 17.11 | 14.77 | 13.73 | 13.54 | 14.68 | 15.07 | |
| 3 | 13.48 | 13.71 | 14.41 | 15.78 | 16.24 | 15.61 | 17.42 | 14.67 | 13.72 | 13.54 | 14.81 | 15.07 | |
| 4 | 13.46 | 13.68 | 14.13 | 15.70 | 15.91 | 15.50 | 17.24 | 14.57 | 13.71 | 13.54 | 14.93 | 15.06 | |
| 5 | 13.45 | 13.65 | 13.88 | 15.77 | 16.17 | 15.36 | 17.20 | 14.50 | 13.70 | 13.53 | 15.03 | 15.05 | |
| 6 | 13.44 | 13.65 | 13.78 | 16.41 | 16.15 | 15.26 | 19.36 | 14.46 | 13.68 | 13.54 | 15.09 | 15.03 | |
| 7 | 13.45 | 13.65 | 13.70 | 16.05 | 15.90 | 15.66 | 18.81 | 14.40 | 13.67 | 13.71 | 15.11 | 15.02 | |
| 8 | 13.48 | 13.64 | 13.65 | 16.74 | 15.80 | 15.69 | 17.53 | 14.31 | 13.66 | 14.02 | 15.12 | 15.02 | |
| 9 | 13.49 | 13.64 | 13.62 | 16.26 | 15.75 | 15.50 | 16.93 | 14.27 | 13.66 | 14.20 | 15.12 | 15.02 | |
| 10 | 13.66 | 13.65 | 13.58 | 15.89 | 15.68 | 15.71 | 17.99 | 14.25 | 13.65 | 14.41 | 15.12 | 15.02 | |
| 11 | 13.65 | 13.65 | 13.57 | 16.41 | 15.66 | 16.04 | 18.83 | 14.22 | 13.64 | 14.60 | 15.12 | 15.01 | |
| 12 | 13.62 | 13.63 | 13.54 | 16.54 | 15.62 | 16.35 | 18.06 | 14.15 | 13.64 | 14.75 | 15.12 | 15.00 | |
| 13 | 13.65 | 13.63 | 13.76 | 16.63 | 15.54 | 16.12 | 16.59 | 14.11 | 13.63 | 14.85 | 15.12 | 15.00 | |
| 14 | 13.69 | 13.61 | 13.64 | 16.43 | 15.58 | 16.14 | 16.66 | 14.06 | 13.63 | 14.90 | 15.12 | 15.00 | |
| 15 | 13.72 | 13.58 | 13.58 | 16.50 | 15.55 | 16.05 | 16.32 | 14.03 | 13.61 | 14.91 | 15.12 | 15.00 | |
| 16 | 13.83 | 13.55 | 13.56 | 16.16 | 15.73 | 16.07 | 16.23 | 14.01 | 13.60 | 14.92 | 15.12 | 14.99 | |
| 17 | 13.92 | 13.53 | 13.55 | 18.43 | 15.96 | 15.79 | 16.07 | 13.99 | 13.59 | 14.93 | 15.12 | 14.98 | |
| 18 | 13.91 | 13.68 | 14.01 | 19.67 | 15.66 | 15.72 | 16.15 | 13.97 | 13.59 | 14.93 | 15.11 | 14.98 | |
| 19 | 14.02 | 14.22 | 14.70 | 19.46 | 15.53 | 16.06 | 16.23 | 13.95 | 13.58 | 14.92 | 15.11 | 14.99 | |
| 20 | 14.42 | 14.30 | 14.91 | 17.44 | 15.48 | 16.16 | 16.24 | 13.93 | 13.57 | 14.91 | 15.11 | 15.04 | |
| 21 | 14.03 | 14.18 | 14.36 | 16.60 | 15.39 | 16.21 | 16.06 | 13.90 | 13.57 | 14.91 | 15.11 | 15.11 | |
| 22 | 13.97 | 14.36 | 14.46 | 16.63 | 15.22 | 16.34 | 15.89 | 13.87 | 13.56 | 14.91 | 15.11 | 15.13 | |
| 23 | 13.98 | 14.50 | 13.99 | 16.26 | 15.10 | 16.80 | 15.80 | 13.60 | 13.56 | 14.93 | 15.11 | 15.12 | |
| 24 | 13.91 | 14.35 | 14.12 | 16.25 | 14.98 | 16.30 | 15.73 | 13.86 | 13.56 | 15.06 | 15.10 | 15.10 | |
| 25 | 13.88 | 14.00 | 14.47 | 16.34 | 14.89 | 15.98 | 15.68 | 13.84 | 13.56 | 15.12 | 15.10 | 15.10 | |
| 26 | 13.87 | 13.86 | 14.20 | 16.35 | 14.90 | 15.97 | 15.61 | 13.82 | 13.56 | 14.38 | 15.10 | 15.10 | |
| 27 | 13.83 | 13.70 | 14.12 | 16.16 | 15.50 | 16.60 | 15.53 | 13.80 | 13.55 | 13.54 | 15.09 | 15.09 | |
| 28 | 13.80 | 13.72 | 14.48 | 15.97 | 15.30 | 16.83 | 15.38 | 13.79 | 13.55 | 13.68 | 15.08 | 15.08 | |
| 29 | 13.79 | 13.80 | 14.88 | 15.81 | 14.99 | 16.55 | 15.26 | 13.78 | 13.55 | 13.97 | | 15.07 | |
| 30 | 13.77 | 13.83 | 15.38 | 15.82 | 15.82 | 18.20 | 15.11 | 13.76 | 13.55 | 14.19 | | 15.06 | |
| 31 | | 14.19 | | 15.80 | 16.00 | | 14.99 | | 13.54 | 14.39 | | 15.05 | |
| Mean | 13.74 | 13.83 | 14.12 | 16.50 | 15.68 | 16.08 | 16.62 | 14.12 | 13.62 | 14.36 | 15.05 | 15.05 | |
| Max | 14.42 | 14.50 | 15.38 | 19.67 | 17.05 | 18.20 | 19.36 | 14.87 | 13.75 | 15.12 | 15.12 | 15.13 | 19.67 |
| Min | 13.44 | 13.53 | 13.54 | 15.39 | 14.89 | 15.26 | 14.99 | 13.60 | 13.54 | 13.53 | 14.51 | 14.98 | 13.44 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 19.93 | m. (MSL.) , | at 01.00 Hours, on Jul 19, 2006 | | |
| Zero Gage at Bottom Elevation | 12.80 | m. (MSL.) , | River Bed | 12.45 | m. (MSL.) |
| Left Bank Elevation | 24.36 | m. (MSL.) , | | | |
| Right Bank Elevation | 21.99 | m. (MSL.) , | Drainage Are | 548 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.56 | 0.95 | 8.75 | 13.33 | 75.50 | 29.40 | 83.10 | 6.20 | 0.94 | 0.68 | 0.00 | 0.00 | | |
| 2 | 0.63 | 0.94 | 3.80 | 27.00 | 72.30 | 20.90 | 77.90 | 5.20 | 0.91 | 0.68 | 0.00 | 0.00 | | |
| 3 | 0.60 | 0.89 | 2.55 | 22.40 | 44.70 | 17.75 | 90.65 | 4.20 | 0.90 | 0.68 | 0.00 | 0.00 | | |
| 4 | 0.58 | 0.85 | 1.41 | 20.00 | 27.40 | 15.50 | 83.10 | 3.35 | 0.89 | 0.68 | 0.00 | 0.00 | | |
| 5 | 0.56 | 0.81 | 1.10 | 22.10 | 39.85 | 12.80 | 81.50 | 3.00 | 0.88 | 0.66 | 0.00 | 0.00 | | |
| 6 | 0.55 | 0.81 | 0.98 | 52.80 | 38.75 | 11.15 | 200.70 | 2.80 | 0.85 | 0.68 | 0.00 | 0.00 | | |
| 7 | 0.56 | 0.81 | 0.88 | 33.50 | 27.00 | 19.00 | 164.88 | 2.50 | 0.84 | 0.89 | 0.00 | 0.00 | | |
| 8 | 0.60 | 0.80 | 0.81 | 63.90 | 23.00 | 19.75 | 95.60 | 2.05 | 0.83 | 1.28 | 0.00 | 0.00 | | |
| 9 | 0.61 | 0.80 | 0.78 | 46.30 | 21.50 | 15.50 | 70.70 | 1.85 | 0.83 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.83 | 0.81 | 0.73 | 26.60 | 19.50 | 20.30 | 117.98 | 1.75 | 0.81 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.81 | 0.81 | 0.71 | 52.80 | 19.00 | 33.00 | 166.13 | 1.60 | 0.80 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.78 | 0.79 | 0.68 | 56.90 | 18.00 | 51.00 | 121.80 | 1.44 | 0.80 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.81 | 0.79 | 0.95 | 60.05 | 16.30 | 37.10 | 58.65 | 1.39 | 0.79 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.86 | 0.76 | 0.80 | 53.40 | 17.10 | 38.20 | 61.10 | 1.33 | 0.79 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.90 | 0.73 | 0.73 | 55.50 | 16.50 | 33.50 | 50.10 | 1.29 | 0.76 | 0.00 | 0.00 | 0.00 | | |
| 16 | 1.04 | 0.69 | 0.70 | 39.30 | 20.90 | 34.50 | 43.90 | 1.26 | 0.75 | 0.00 | 0.00 | 0.00 | | |
| 17 | 1.15 | 0.66 | 0.69 | 142.23 | 29.40 | 22.70 | 34.50 | 1.24 | 0.74 | 0.00 | 0.00 | 0.00 | | |
| 18 | 1.14 | 0.85 | 1.26 | 222.40 | 19.00 | 20.60 | 38.75 | 1.21 | 0.74 | 0.00 | 0.00 | 0.00 | | |
| 19 | 1.28 | 1.60 | 4.50 | 207.70 | 16.10 | 34.00 | 43.90 | 1.19 | 0.73 | 0.00 | 0.00 | 0.00 | | |
| 20 | 2.60 | 2.00 | 6.63 | 91.55 | 15.10 | 39.30 | 44.70 | 1.16 | 0.71 | 0.00 | 0.00 | 0.00 | | |
| 21 | 1.29 | 1.48 | 2.30 | 59.00 | 13.33 | 42.30 | 34.00 | 1.13 | 0.71 | 0.00 | 0.00 | 0.00 | | |
| 22 | 1.21 | 2.30 | 2.80 | 60.05 | 10.55 | 50.70 | 26.60 | 1.09 | 0.70 | 0.00 | 0.00 | 0.00 | | |
| 23 | 1.23 | 3.00 | 1.24 | 46.30 | 9.00 | 66.00 | 23.00 | 0.75 | 0.70 | 0.00 | 0.00 | 0.00 | | |
| 24 | 1.14 | 2.25 | 1.40 | 45.50 | 7.50 | 49.50 | 20.90 | 1.08 | 0.70 | 0.00 | 0.00 | 0.00 | | |
| 25 | 1.10 | 1.25 | 2.85 | 50.70 | 6.40 | 30.20 | 19.50 | 1.05 | 0.70 | 0.00 | 0.00 | 0.00 | | |
| 26 | 1.09 | 1.08 | 1.50 | 51.00 | 6.50 | 29.80 | 17.75 | 1.03 | 0.70 | 0.00 | 0.00 | 0.00 | | |
| 27 | 1.04 | 0.88 | 1.40 | 39.30 | 15.50 | 59.00 | 16.10 | 1.00 | 0.69 | 0.00 | 0.00 | 0.00 | | |
| 28 | 1.00 | 0.90 | 2.90 | 29.80 | 11.75 | 67.05 | 13.15 | 0.99 | 0.69 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.99 | 1.00 | 6.30 | 23.40 | 7.63 | 57.25 | 11.15 | 0.98 | 0.69 | 0.00 | | 0.00 | | |
| 30 | 0.96 | 1.04 | 13.15 | 23.80 | 23.80 | 129.50 | 9.13 | 0.95 | 0.69 | 0.00 | | 0.00 | | |
| 31 | | 1.49 | | 23.00 | 31.00 | | 7.63 | | 0.68 | 0.00 | | 0.00 | | |
| Total | 28.50 | 34.82 | 75.28 | 1761.61 | 719.86 | 1107.25 | 1928.55 | 56.06 | 23.94 | 6.23 | 0.00 | 0.00 | 5742.10 | CMSDAY |
| Mean | 0.95 | 1.12 | 2.51 | 56.83 | 23.22 | 36.91 | 62.21 | 1.87 | 0.77 | 0.20 | 0.00 | 0.00 | 15.73 | CMS |
| Max | 2.60 | 3.00 | 13.15 | 222.40 | 75.50 | 129.50 | 200.70 | 6.20 | 0.94 | 1.28 | 0.00 | 0.00 | 222.40 | CMS |
| Min | 0.55 | 0.66 | 0.68 | 13.33 | 6.40 | 11.15 | 7.63 | 0.75 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 2.46 | 3.01 | 6.50 | 152.20 | 62.20 | 95.67 | 166.63 | 4.84 | 2.07 | 0.54 | 0.00 | 0.00 | 496.12 | MCM |

Momentary Peak 241.25 CMS, at 19.93 m. (MSL.), at 01.00 Hours, on Jul 19, 2006

Runoff Yield 28.71 Liters/Second/Square KM. Momentary Peak Yield 440.24 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Khwae Nam Sai at Ban Saphan Hin , Prachin Buri (Kgt.33)

Lat 14 - 07 - 55 N Long 101 - 43 - 52 E

**Location : on left bank at Ban Saphan Hin.**

| | | | |
|---|---|---|---|
| | **Ban** Saphan Hin | **Amphoe** Na Di | **Changwat** Prachin Buri |
| **Drainge Area** | 617 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the top staff gage. | **Elevation** | +10.598 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1997 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2001 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2001 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 19 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

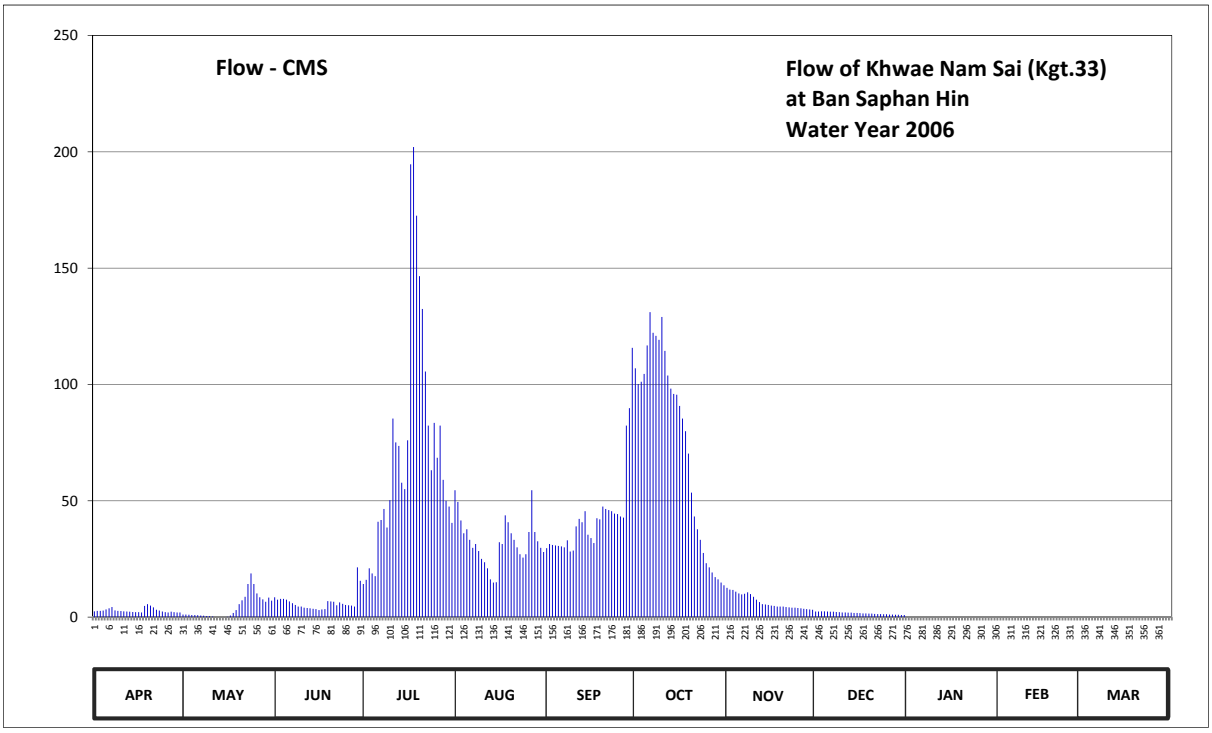
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.05 | 0.91 | 1.47 | 1.85 | 3.70 | 2.63 | 5.43 | 1.74 | 1.04 | 1.05 | 0.79 | 0.77 | |
| 2 | 1.07 | 0.91 | 1.40 | 1.95 | 3.50 | 2.72 | 5.23 | 1.69 | 1.04 | 1.05 | 0.79 | 0.77 | |
| 3 | 1.07 | 0.90 | 1.42 | 2.20 | 3.18 | 2.70 | 5.26 | 1.68 | 1.05 | 1.04 | 0.80 | 0.76 | |
| 4 | 1.08 | 0.89 | 1.42 | 2.09 | 2.95 | 2.69 | 5.36 | 1.63 | 1.05 | 1.04 | 0.80 | 0.76 | |
| 5 | 1.12 | 0.89 | 1.40 | 2.03 | 3.03 | 2.68 | 5.72 | 1.58 | 1.04 | 1.03 | 0.79 | 0.76 | |
| 6 | 1.15 | 0.88 | 1.35 | 3.16 | 2.81 | 2.67 | 6.14 | 1.55 | 1.03 | 1.03 | 0.79 | 0.75 | |
| 7 | 1.19 | 0.87 | 1.30 | 3.19 | 2.64 | 2.65 | 5.88 | 1.57 | 1.03 | 1.02 | 0.80 | 0.75 | |
| 8 | 1.09 | 0.86 | 1.25 | 3.38 | 2.72 | 2.80 | 5.84 | 1.61 | 1.02 | 1.02 | 0.82 | 0.75 | |
| 9 | 1.07 | 0.85 | 1.20 | 3.06 | 2.57 | 2.56 | 5.79 | 1.56 | 1.01 | 1.01 | 0.83 | 0.74 | |
| 10 | 1.06 | 0.84 | 1.20 | 3.53 | 2.40 | 2.58 | 6.08 | 1.48 | 1.00 | 1.01 | 0.84 | 0.74 | |
| 11 | 1.05 | 0.83 | 1.17 | 4.76 | 2.33 | 3.08 | 5.65 | 1.40 | 1.00 | 1.00 | 0.85 | 0.73 | |
| 12 | 1.04 | 0.80 | 1.16 | 4.42 | 2.20 | 3.21 | 5.34 | 1.33 | 0.99 | 0.99 | 0.86 | 0.73 | |
| 13 | 1.03 | 0.80 | 1.15 | 4.37 | 1.96 | 3.15 | 5.17 | 1.27 | 0.99 | 0.98 | 0.87 | 0.73 | |
| 14 | 1.02 | 0.79 | 1.14 | 3.83 | 1.89 | 3.34 | 5.10 | 1.26 | 0.98 | 0.98 | 0.87 | 0.73 | |
| 15 | 1.01 | 0.78 | 1.13 | 3.72 | 1.90 | 2.92 | 5.09 | 1.25 | 0.98 | 0.97 | 0.88 | 0.72 | |
| 16 | 1.01 | 0.81 | 1.10 | 4.45 | 2.76 | 2.85 | 4.94 | 1.23 | 0.97 | 0.97 | 0.88 | 0.72 | |
| 17 | 1.00 | 0.87 | 1.12 | 7.89 | 2.72 | 2.74 | 4.76 | 1.22 | 0.96 | 0.96 | 0.89 | 0.72 | |
| 18 | 1.22 | 0.98 | 1.13 | 8.08 | 3.27 | 3.22 | 4.58 | 1.20 | 0.96 | 0.94 | 0.89 | 0.75 | |
| 19 | 1.27 | 1.10 | 1.36 | 7.33 | 3.15 | 3.20 | 4.26 | 1.20 | 0.95 | 0.92 | 0.89 | 0.75 | |
| 20 | 1.23 | 1.27 | 1.35 | 6.59 | 2.95 | 3.42 | 3.66 | 1.20 | 0.95 | 0.88 | 0.89 | 0.75 | |
| 21 | 1.18 | 1.38 | 1.34 | 6.18 | 2.81 | 3.38 | 3.25 | 1.19 | 0.94 | 0.83 | 0.79 | 0.75 | |
| 22 | 1.11 | 1.48 | 1.24 | 5.39 | 2.65 | 3.36 | 3.03 | 1.18 | 0.93 | 0.84 | 0.79 | 0.74 | |
| 23 | 1.08 | 1.85 | 1.32 | 4.66 | 2.50 | 3.34 | 2.81 | 1.17 | 0.93 | 0.83 | 0.79 | 0.73 | |
| 24 | 1.04 | 2.09 | 1.28 | 4.02 | 2.43 | 3.30 | 2.53 | 1.17 | 0.92 | 0.82 | 0.78 | 0.73 | |
| 25 | 1.01 | 1.85 | 1.25 | 4.70 | 2.50 | 3.29 | 2.31 | 1.16 | 0.92 | 0.81 | 0.78 | 0.73 | |
| 26 | 1.00 | 1.58 | 1.24 | 4.20 | 2.98 | 3.25 | 2.22 | 1.15 | 0.91 | 0.80 | 0.78 | 0.72 | |
| 27 | 1.03 | 1.47 | 1.23 | 4.66 | 3.70 | 3.23 | 2.11 | 1.14 | 0.91 | 0.80 | 0.77 | 0.72 | |
| 28 | 1.01 | 1.41 | 1.20 | 3.88 | 2.98 | 4.66 | 2.01 | 1.13 | 0.90 | 0.79 | 0.77 | 0.72 | |
| 29 | 1.00 | 1.34 | 2.22 | 3.52 | 2.78 | 4.91 | 1.96 | 1.12 | 0.90 | 0.79 | | 0.73 | |
| 30 | 1.00 | 1.46 | 1.93 | 3.42 | 2.64 | 5.69 | 1.89 | 1.11 | 0.89 | 0.78 | | 0.74 | |
| 31 | | 1.37 | | 3.14 | 2.55 | | 1.81 | | 0.89 | 0.78 | | 0.74 | |
| Mean | 1.08 | 1.13 | 1.32 | 4.18 | 2.75 | 3.21 | 4.23 | 1.34 | 0.97 | 0.93 | 0.82 | 0.74 | |
| Max | 1.27 | 2.09 | 2.22 | 8.08 | 3.70 | 5.69 | 6.14 | 1.74 | 1.05 | 1.05 | 0.89 | 0.77 | 8.08 |
| Min | 1.00 | 0.78 | 1.10 | 1.85 | 1.89 | 2.56 | 1.81 | 1.11 | 0.89 | 0.78 | 0.77 | 0.72 | 0.72 |

Annual Max Momentary Gage Height 9.26 m. (A.D.), at 21.00 Hours, on Jul 17, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.), River Bed -0.07 m. (A.D.),

Left Bank Elevation 10.56 m. (A.D.),

Right Bank Elevation 10.87 m. (A.D.), Drainage Are 617 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.50 | 1.10 | 8.55 | 14.25 | 54.50 | 29.60 | 106.92 | 12.60 | 2.40 | 0.00 | 0.00 | 0.00 | | |
| 2 | 2.70 | 1.10 | 7.50 | 16.00 | 49.50 | 31.40 | 100.19 | 11.85 | 2.40 | 0.00 | 0.00 | 0.00 | | |
| 3 | 2.70 | 1.00 | 7.80 | 21.00 | 41.50 | 31.00 | 101.18 | 11.70 | 2.50 | 0.00 | 0.00 | 0.00 | | |
| 4 | 2.80 | 0.90 | 7.80 | 18.80 | 36.00 | 30.80 | 104.54 | 10.95 | 2.50 | 0.00 | 0.00 | 0.00 | | |
| 5 | 3.30 | 0.90 | 7.50 | 17.60 | 37.75 | 30.60 | 116.78 | 10.20 | 2.40 | 0.00 | 0.00 | 0.00 | | |
| 6 | 3.75 | 0.80 | 6.75 | 41.00 | 33.20 | 30.40 | 131.06 | 9.75 | 2.30 | 0.00 | 0.00 | 0.00 | | |
| 7 | 4.35 | 0.70 | 6.00 | 41.75 | 29.80 | 30.00 | 122.22 | 10.05 | 2.30 | 0.00 | 0.00 | 0.00 | | |
| 8 | 2.90 | 0.60 | 5.25 | 46.50 | 31.40 | 33.00 | 120.86 | 10.65 | 2.20 | 0.00 | 0.00 | 0.00 | | |
| 9 | 2.70 | 0.50 | 4.50 | 38.50 | 28.40 | 28.20 | 119.16 | 9.90 | 2.10 | 0.00 | 0.00 | 0.00 | | |
| 10 | 2.60 | 0.40 | 4.50 | 50.25 | 25.00 | 28.60 | 129.02 | 8.70 | 2.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 2.50 | 0.30 | 4.05 | 85.30 | 23.60 | 39.00 | 114.40 | 7.50 | 2.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 2.40 | 0.00 | 3.90 | 75.10 | 21.00 | 42.25 | 103.86 | 6.45 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 13 | 2.30 | 0.00 | 3.75 | 73.60 | 16.20 | 40.75 | 98.21 | 5.55 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 14 | 2.20 | 0.00 | 3.60 | 57.75 | 14.85 | 45.50 | 95.90 | 5.40 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 15 | 2.10 | 0.00 | 3.45 | 55.00 | 15.00 | 35.40 | 95.58 | 5.25 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 16 | 2.10 | 0.10 | 3.00 | 76.00 | 32.20 | 34.00 | 90.78 | 4.95 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 17 | 2.00 | 0.70 | 3.30 | 194.61 | 31.40 | 31.80 | 85.30 | 4.80 | 1.60 | 0.00 | 0.00 | 0.00 | | |
| 18 | 4.80 | 1.80 | 3.45 | 202.02 | 43.75 | 42.50 | 79.90 | 4.50 | 1.60 | 0.00 | 0.00 | 0.00 | | |
| 19 | 5.55 | 3.00 | 6.90 | 172.54 | 40.75 | 42.00 | 70.30 | 4.50 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 20 | 4.95 | 5.55 | 6.75 | 146.57 | 36.00 | 47.50 | 53.50 | 4.50 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 21 | 4.20 | 7.20 | 6.60 | 132.42 | 33.20 | 46.50 | 43.25 | 4.35 | 1.40 | 0.00 | 0.00 | 0.00 | | |
| 22 | 3.15 | 8.70 | 5.10 | 105.56 | 30.00 | 46.00 | 37.75 | 4.20 | 1.30 | 0.00 | 0.00 | 0.00 | | |
| 23 | 2.80 | 14.25 | 6.30 | 82.30 | 27.00 | 45.50 | 33.20 | 4.05 | 1.30 | 0.00 | 0.00 | 0.00 | | |
| 24 | 2.40 | 18.80 | 5.70 | 63.10 | 25.60 | 44.50 | 27.60 | 4.05 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 25 | 2.10 | 14.25 | 5.25 | 83.50 | 27.00 | 44.25 | 23.20 | 3.90 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 26 | 2.00 | 10.20 | 5.10 | 68.50 | 36.60 | 43.25 | 21.40 | 3.75 | 1.10 | 0.00 | 0.00 | 0.00 | | |
| 27 | 2.30 | 8.55 | 4.95 | 82.30 | 54.50 | 42.75 | 19.20 | 3.60 | 1.10 | 0.00 | 0.00 | 0.00 | | |
| 28 | 2.10 | 7.65 | 4.50 | 59.00 | 36.60 | 82.30 | 17.20 | 3.45 | 1.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 2.00 | 6.60 | 21.40 | 50.00 | 32.60 | 89.82 | 16.20 | 3.30 | 1.00 | 0.00 | | 0.00 | | |
| 30 | 2.00 | 8.40 | 15.60 | 47.50 | 29.80 | 115.76 | 14.85 | 3.15 | 0.90 | 0.00 | | 0.00 | | |
| 31 | | 7.05 | | 40.50 | 28.00 | | 13.65 | | 0.90 | 0.00 | | 0.00 | | |
| Total | 86.25 | 131.10 | 188.80 | 2258.82 | 1002.70 | 1304.93 | 2307.16 | 197.55 | 52.80 | 0.00 | 0.00 | 0.00 | 7530.11 | CMSDAY |
| Mean | 2.87 | 4.23 | 6.29 | 72.87 | 32.35 | 43.50 | 74.42 | 6.58 | 1.70 | 0.00 | 0.00 | 0.00 | 20.63 | CMS |
| Max | 5.55 | 18.80 | 21.40 | 202.02 | 54.50 | 115.76 | 131.06 | 12.60 | 2.50 | 0.00 | 0.00 | 0.00 | 202.02 | CMS |
| Min | 2.00 | 0.00 | 3.00 | 14.25 | 14.85 | 28.20 | 13.65 | 3.15 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 7.45 | 11.33 | 16.31 | 195.16 | 86.63 | 112.75 | 199.34 | 17.07 | 4.56 | 0.00 | 0.00 | 0.00 | 650.60 | MCM |

Momentary Peak 248.04 CMS, at 9.26 m. (A.D.), at 21.00 Hours, on Jul 17, 2006

Runoff Yield 33.43 Liters/Second/Square KM. Momentary Peak Yield 401.88 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Khwae Hanuman at Ban Cha Om , Prachin Buri (Kgt.34)

Lat 13 - 28 - 29 N Long 101 - 44 - 55 E

**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Cha Om | **Amphoe** Na Di | **Changwat** Prachin Buri |
| **Drainge Area** | 1,210 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the abutment of the bridge. | **Elevation** | +9.822 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 9 discharge measurements made in 2006. | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

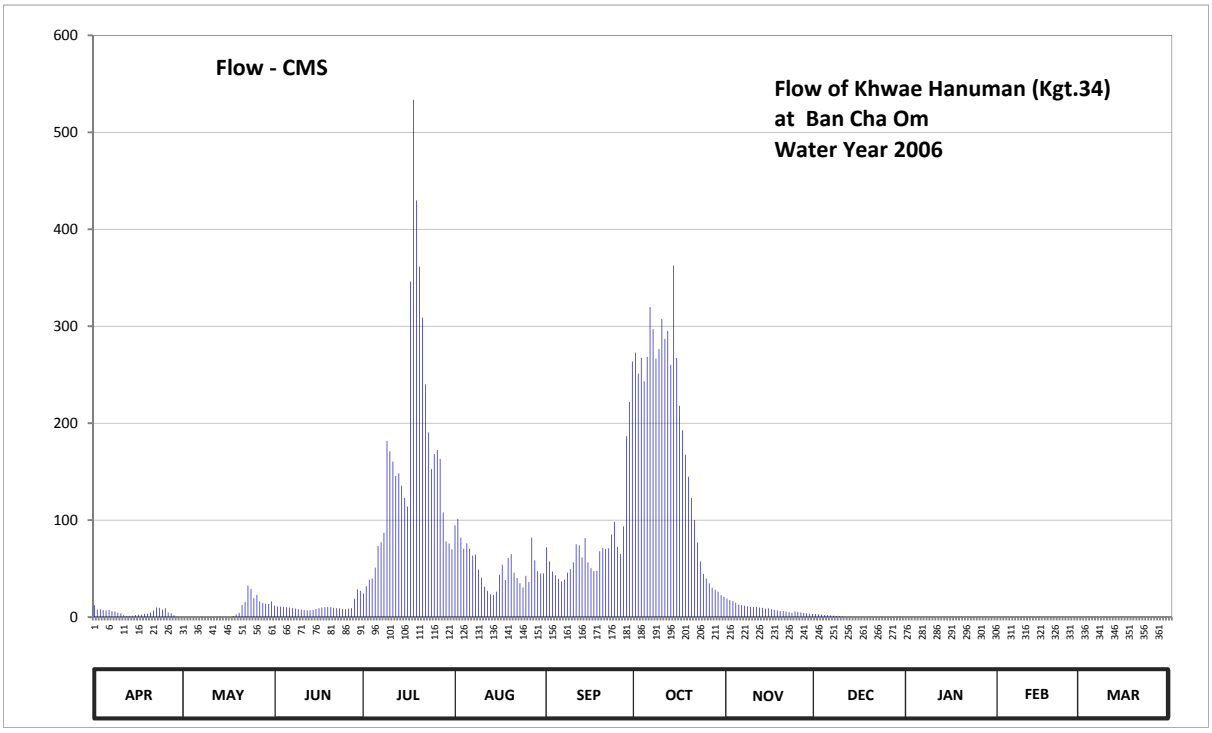
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.21 | 0.73 | 1.19 | 1.58 | 3.08 | 2.66 | 5.52 | 1.44 | 0.91 | 0.65 | 0.91 | 0.89 | |
| 2 | 1.06 | 0.69 | 1.17 | 1.77 | 3.19 | 2.37 | 5.28 | 1.38 | 0.90 | 0.65 | 0.90 | 0.90 | |
| 3 | 1.07 | 0.70 | 1.16 | 1.94 | 2.86 | 2.15 | 5.46 | 1.35 | 0.89 | 0.64 | 0.93 | 0.92 | |
| 4 | 1.04 | 0.71 | 1.15 | 1.97 | 2.63 | 2.05 | 5.19 | 1.29 | 0.87 | 0.66 | 0.94 | 0.93 | |
| 5 | 1.03 | 0.74 | 1.14 | 2.24 | 2.74 | 1.96 | 5.47 | 1.23 | 0.87 | 0.68 | 0.93 | 0.92 | |
| 6 | 1.04 | 0.69 | 1.13 | 2.69 | 2.63 | 1.90 | 5.98 | 1.21 | 0.86 | 0.69 | 0.92 | 0.92 | |
| 7 | 1.01 | 0.69 | 1.11 | 2.76 | 2.49 | 1.94 | 5.77 | 1.19 | 0.85 | 0.72 | 0.91 | 0.91 | |
| 8 | 0.99 | 0.69 | 1.09 | 2.95 | 2.51 | 2.12 | 5.45 | 1.17 | 0.84 | 0.77 | 0.89 | 0.90 | |
| 9 | 0.95 | 0.70 | 1.07 | 4.40 | 2.20 | 2.21 | 5.56 | 1.15 | 0.83 | 0.98 | 0.88 | 0.89 | |
| 10 | 0.93 | 0.70 | 1.06 | 4.25 | 1.99 | 2.35 | 5.87 | 1.15 | 0.82 | 0.97 | 0.87 | 0.88 | |
| 11 | 0.87 | 0.69 | 1.04 | 4.10 | 1.76 | 2.72 | 5.67 | 1.15 | 0.81 | 0.95 | 0.86 | 0.88 | |
| 12 | 0.84 | 0.69 | 1.03 | 3.89 | 1.65 | 2.70 | 5.75 | 1.13 | 0.80 | 0.94 | 0.85 | 0.87 | |
| 13 | 0.83 | 0.72 | 1.03 | 3.93 | 1.56 | 2.45 | 5.38 | 1.12 | 0.79 | 0.93 | 0.84 | 0.86 | |
| 14 | 0.85 | 0.72 | 1.05 | 3.75 | 1.55 | 2.85 | 6.34 | 1.09 | 0.78 | 0.93 | 0.83 | 0.85 | |
| 15 | 0.87 | 0.71 | 1.08 | 3.55 | 1.63 | 2.35 | 5.46 | 1.10 | 0.77 | 0.95 | 0.81 | 0.84 | |
| 16 | 0.88 | 0.76 | 1.11 | 3.40 | 2.07 | 2.23 | 4.87 | 1.07 | 0.76 | 0.94 | 0.80 | 0.79 | |
| 17 | 0.88 | 0.79 | 1.13 | 6.20 | 2.30 | 2.16 | 4.55 | 1.05 | 0.75 | 0.95 | 0.83 | 0.60 | |
| 18 | 0.91 | 0.84 | 1.14 | 7.65 | 1.93 | 2.17 | 4.20 | 1.03 | 0.74 | 0.95 | 0.78 | 0.48 | |
| 19 | 0.92 | 0.89 | 1.15 | 6.89 | 2.44 | 2.58 | 3.88 | 1.01 | 0.73 | 0.94 | 0.77 | 0.48 | |
| 20 | 0.96 | 0.94 | 1.14 | 6.33 | 2.52 | 2.65 | 3.55 | 1.01 | 0.72 | 0.93 | 0.76 | 0.49 | |
| 21 | 1.03 | 1.22 | 1.12 | 5.88 | 2.12 | 2.63 | 3.17 | 0.99 | 0.71 | 0.93 | 0.75 | 0.50 | |
| 22 | 1.13 | 1.33 | 1.11 | 5.15 | 1.98 | 2.64 | 2.76 | 0.97 | 0.70 | 0.92 | 0.72 | 0.52 | |
| 23 | 1.12 | 1.79 | 1.10 | 4.52 | 1.85 | 2.92 | 2.37 | 0.95 | 0.69 | 0.95 | 0.81 | 0.53 | |
| 24 | 1.06 | 1.70 | 1.08 | 3.99 | 1.74 | 3.14 | 2.09 | 1.00 | 0.68 | 0.94 | 0.87 | 0.52 | |
| 25 | 1.11 | 1.45 | 1.07 | 4.21 | 2.04 | 2.67 | 1.97 | 0.98 | 0.67 | 0.93 | 0.88 | 0.50 | |
| 26 | 0.96 | 1.55 | 1.09 | 4.27 | 1.88 | 2.52 | 1.84 | 0.96 | 0.67 | 0.92 | 0.89 | 0.48 | |
| 27 | 0.93 | 1.34 | 1.11 | 4.14 | 2.86 | 3.06 | 1.73 | 0.94 | 0.66 | 0.93 | 0.88 | 0.45 | |
| 28 | 0.86 | 1.29 | 1.43 | 3.30 | 2.39 | 4.47 | 1.68 | 0.93 | 0.66 | 0.92 | 0.89 | 0.42 | |
| 29 | 0.81 | 1.26 | 1.69 | 2.78 | 2.16 | 4.92 | 1.63 | 0.92 | 0.66 | 0.92 | | 0.39 | |
| 30 | 0.75 | 1.25 | 1.65 | 2.74 | 2.10 | 5.42 | 1.54 | 0.91 | 0.66 | 0.92 | | 0.37 | |
| 31 | | 1.34 | | 2.62 | 2.10 | | 1.50 | | 0.66 | 0.91 | | 0.35 | |
| Mean | 0.96 | 0.98 | 1.15 | 3.87 | 2.22 | 2.70 | 4.11 | 1.10 | 0.76 | 0.87 | 0.85 | 0.68 | |
| Max | 1.21 | 1.79 | 1.69 | 7.65 | 3.19 | 5.42 | 6.34 | 1.44 | 0.91 | 0.98 | 0.94 | 0.93 | 7.65 |
| Min | 0.75 | 0.69 | 1.03 | 1.58 | 1.55 | 1.90 | 1.50 | 0.91 | 0.66 | 0.64 | 0.72 | 0.35 | 0.35 |

Annual Max Momentary Gage Height 7.80 m. (A.D.) , at 06.00 Hours, on Jul 18, 2006

Zero Gage at Bottom Elevation 0.00 m. (A.D.) , River Bed -0.89 m. (A.D.)

Left Bank Elevation 9.78 m. (A.D.) ,

Right Bank Elevation 9.75 m. (A.D.) , Drainage Are 1,210 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.30 | 0.00 | 11.70 | 24.20 | 94.80 | 72.00 | 272.80 | 19.20 | 3.30 | 0.00 | 0.00 | 0.00 | | |
| 2 | 7.80 | 0.00 | 11.10 | 31.80 | 101.40 | 57.50 | 251.20 | 17.40 | 3.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 8.10 | 0.00 | 10.80 | 38.60 | 82.00 | 47.00 | 267.40 | 16.50 | 2.70 | 0.00 | 0.00 | 0.00 | | |
| 4 | 7.20 | 0.00 | 10.50 | 39.80 | 70.50 | 43.00 | 243.21 | 14.70 | 2.10 | 0.00 | 0.00 | 0.00 | | |
| 5 | 6.90 | 0.00 | 10.20 | 51.00 | 76.00 | 39.40 | 268.30 | 12.90 | 2.10 | 0.00 | 0.00 | 0.00 | | |
| 6 | 7.20 | 0.00 | 9.90 | 73.50 | 70.50 | 37.00 | 319.80 | 12.30 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 7 | 6.30 | 0.00 | 9.30 | 77.00 | 63.50 | 38.60 | 297.00 | 11.70 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 8 | 5.70 | 0.00 | 8.70 | 87.00 | 64.50 | 45.80 | 266.50 | 11.10 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 9 | 4.50 | 0.00 | 8.10 | 181.70 | 49.00 | 49.50 | 276.40 | 10.50 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 10 | 3.90 | 0.00 | 7.80 | 171.05 | 40.60 | 56.50 | 307.70 | 10.50 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 11 | 2.10 | 0.00 | 7.20 | 160.40 | 31.40 | 75.00 | 287.00 | 10.50 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 12 | 1.20 | 0.00 | 6.90 | 145.49 | 27.00 | 74.00 | 295.00 | 9.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.90 | 0.00 | 6.90 | 148.33 | 23.40 | 61.50 | 260.20 | 9.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 1.50 | 0.00 | 7.50 | 135.55 | 23.00 | 81.50 | 362.80 | 8.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 2.10 | 0.00 | 8.40 | 123.00 | 26.20 | 56.50 | 267.40 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 2.40 | 0.00 | 9.30 | 114.00 | 43.80 | 50.50 | 217.98 | 8.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 2.40 | 0.00 | 9.90 | 346.00 | 54.00 | 47.40 | 192.74 | 7.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 3.30 | 1.20 | 10.20 | 533.50 | 38.20 | 47.80 | 167.50 | 6.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 3.60 | 2.70 | 10.50 | 429.70 | 61.00 | 68.00 | 144.78 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 4.80 | 4.20 | 10.20 | 361.60 | 65.00 | 71.50 | 123.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 6.90 | 12.60 | 9.60 | 308.80 | 45.80 | 70.50 | 100.20 | 5.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 9.90 | 15.90 | 9.30 | 240.06 | 40.20 | 71.00 | 77.00 | 5.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 9.60 | 32.60 | 9.00 | 190.38 | 35.00 | 85.20 | 57.50 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 7.80 | 29.00 | 8.40 | 152.59 | 30.60 | 98.40 | 44.60 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 9.30 | 19.50 | 8.10 | 168.21 | 42.60 | 72.50 | 39.80 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 4.80 | 23.00 | 8.70 | 172.47 | 36.20 | 65.00 | 34.60 | 4.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 3.90 | 16.20 | 9.30 | 163.24 | 82.00 | 93.60 | 30.20 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 1.80 | 14.70 | 18.90 | 108.00 | 58.50 | 186.67 | 28.20 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.30 | 13.80 | 28.60 | 78.00 | 47.40 | 221.92 | 26.20 | 3.60 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 13.50 | 27.00 | 76.00 | 45.00 | 263.80 | 22.60 | 3.30 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 16.20 | | 70.00 | 45.00 | | 21.00 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 148.50 | 215.10 | 322.00 | 5000.97 | 1614.10 | 2348.59 | 5570.61 | 266.10 | 19.50 | 0.00 | 0.00 | 0.00 | 15505.47 | CMSDAY |
| Mean | 4.95 | 6.94 | 10.73 | 161.32 | 52.07 | 78.29 | 179.70 | 8.87 | 0.63 | 0.00 | 0.00 | 0.00 | 42.48 | CMS |
| Max | 12.30 | 32.60 | 28.60 | 533.50 | 101.40 | 263.80 | 362.80 | 19.20 | 3.30 | 0.00 | 0.00 | 0.00 | 533.50 | CMS |
| Min | 0.00 | 0.00 | 6.90 | 24.20 | 23.00 | 37.00 | 21.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 12.83 | 18.58 | 27.82 | 432.08 | 139.46 | 202.92 | 481.30 | 22.99 | 1.68 | 0.00 | 0.00 | 0.00 | 1339.67 | MCM |

Momentary Peak 556.00 CMS, at 7.80 m. (A.D.), at 06.00 Hours, on Jul 18, 2006

Runoff Yield 35.11 Liters/Second/Square KM. Momentary Peak Yield 459.50 Liters/Second/Square KM.

## WATER YEAR : 2006

## PRACHIN BURI RIVER BASIN

### Khlong Phra Sathung at Ban Tharapha , Sa Kaeo (Kgt.42)

Lat 13 - 59 - 21 N Long 101 - 57 - 30 E

**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Tharapha | **Amphoe** Mueang | **Changwat** Sa Kaeo |
| **Drainge Area** | 2,558 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +13.860 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the top staff gage. | | **Elevation** +24.312 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 2005 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2005 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2005 to date | | |
| **Stability of Channel Regimes** | Fairly stable with variable water surface slope. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +23.180 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 26 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

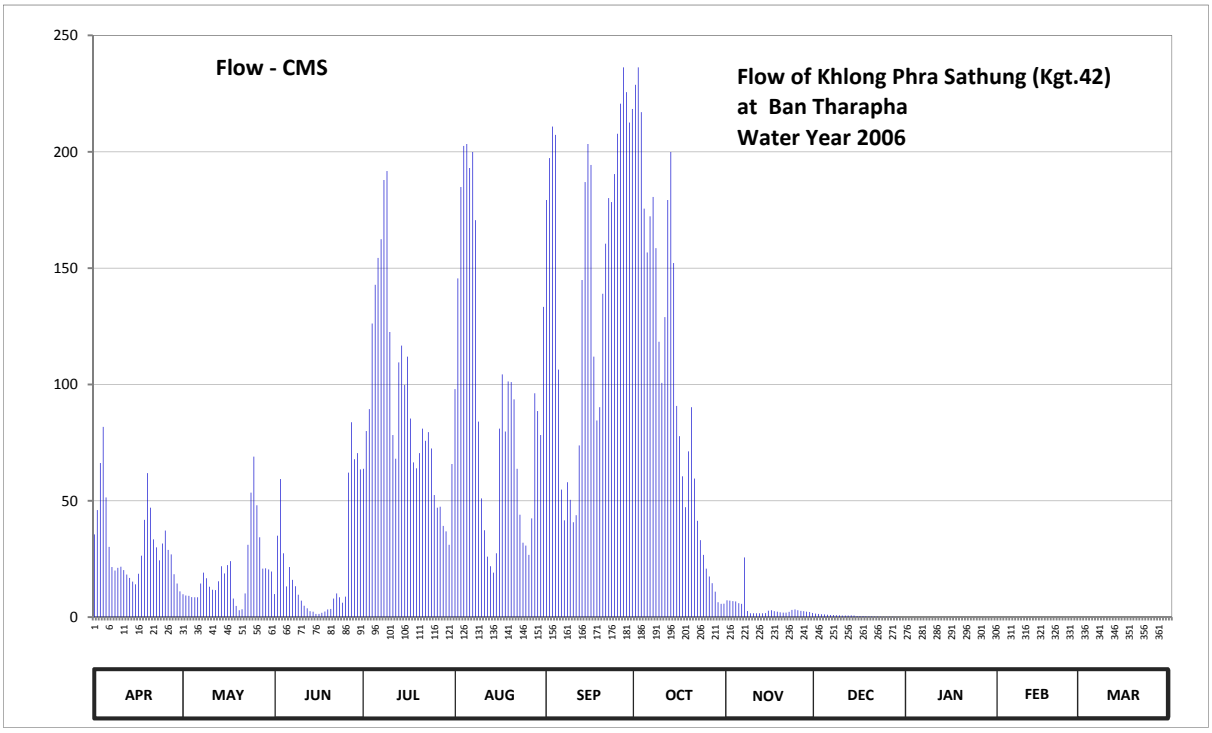
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17.22 | 15.62 | 15.63 | 18.57 | 19.90 | 22.22 | 23.35 | 15.38 | 14.70 | 14.29 | 14.13 | 14.11 | |
| 2 | 17.76 | 15.57 | 17.19 | 19.24 | 21.36 | 22.64 | 23.51 | 15.37 | 14.67 | 14.29 | 14.13 | 14.11 | |
| 3 | 18.68 | 15.56 | 18.38 | 19.60 | 22.35 | 22.95 | 23.09 | 15.35 | 14.65 | 14.29 | 14.12 | 14.11 | |
| 4 | 19.31 | 15.51 | 16.77 | 20.80 | 22.76 | 22.87 | 22.13 | 15.33 | 14.63 | 14.28 | 14.12 | 14.11 | |
| 5 | 18.02 | 15.50 | 15.89 | 21.28 | 22.78 | 20.18 | 21.66 | 15.26 | 14.60 | 14.27 | 14.11 | 14.11 | |
| 6 | 16.92 | 15.50 | 16.43 | 21.60 | 22.54 | 18.18 | 22.05 | 15.23 | 14.58 | 14.26 | 14.11 | 14.10 | |
| 7 | 16.43 | 15.99 | 16.09 | 21.81 | 22.70 | 17.54 | 22.25 | 16.67 | 14.57 | 14.25 | 14.11 | 14.09 | |
| 8 | 16.34 | 16.28 | 15.90 | 22.42 | 22.01 | 18.32 | 21.71 | 14.87 | 14.55 | 14.24 | 14.11 | 14.08 | |
| 9 | 16.41 | 16.13 | 15.60 | 22.51 | 19.40 | 17.97 | 20.56 | 14.73 | 14.53 | 14.22 | 14.11 | 14.07 | |
| 10 | 16.44 | 15.88 | 15.37 | 20.69 | 18.00 | 17.50 | 19.99 | 14.73 | 14.52 | 14.21 | 14.11 | 14.07 | |
| 11 | 16.35 | 15.78 | 15.14 | 19.17 | 17.32 | 17.65 | 20.88 | 14.73 | 14.52 | 14.19 | 14.11 | 14.06 | |
| 12 | 16.23 | 15.77 | 15.01 | 18.76 | 16.69 | 18.99 | 22.22 | 14.73 | 14.52 | 14.18 | 14.11 | 14.06 | |
| 13 | 16.14 | 16.05 | 14.86 | 20.28 | 16.45 | 21.34 | 22.70 | 14.73 | 14.54 | 14.15 | 14.11 | 14.05 | |
| 14 | 16.04 | 16.45 | 14.84 | 20.51 | 16.28 | 22.40 | 21.54 | 14.74 | 14.52 | 14.15 | 14.11 | 14.05 | |
| 15 | 15.96 | 16.26 | 14.68 | 19.96 | 16.77 | 22.78 | 19.65 | 14.89 | 14.46 | 14.14 | 14.11 | 14.05 | |
| 16 | 16.25 | 16.48 | 14.67 | 20.36 | 19.28 | 22.57 | 19.15 | 14.91 | 14.46 | 14.13 | 14.11 | 14.06 | |
| 17 | 16.71 | 16.58 | 14.77 | 19.45 | 20.11 | 20.36 | 18.43 | 14.86 | 14.45 | 14.13 | 14.11 | 14.07 | |
| 18 | 17.55 | 15.45 | 14.85 | 18.69 | 19.23 | 19.42 | 17.82 | 14.84 | 14.44 | 14.14 | 14.11 | 14.08 | |
| 19 | 18.49 | 15.13 | 14.95 | 18.58 | 20.01 | 19.63 | 18.89 | 14.81 | 14.42 | 14.15 | 14.11 | 14.09 | |
| 20 | 17.81 | 14.91 | 14.98 | 18.86 | 20.00 | 21.17 | 19.63 | 14.78 | 14.41 | 14.15 | 14.11 | 14.10 | |
| 21 | 17.10 | 14.96 | 15.45 | 19.28 | 19.75 | 21.76 | 18.39 | 14.78 | 14.40 | 14.15 | 14.11 | 14.12 | |
| 22 | 16.91 | 15.65 | 15.65 | 19.07 | 18.57 | 22.24 | 17.53 | 14.83 | 14.39 | 14.14 | 14.11 | 14.16 | |
| 23 | 16.60 | 16.97 | 15.50 | 19.22 | 17.66 | 22.20 | 17.08 | 14.93 | 14.38 | 14.16 | 14.11 | 14.21 | |
| 24 | 17.00 | 18.12 | 15.28 | 18.94 | 17.02 | 22.48 | 16.73 | 14.95 | 14.38 | 14.17 | 14.11 | 14.21 | |
| 25 | 17.31 | 18.80 | 15.53 | 18.07 | 16.95 | 22.88 | 16.39 | 14.91 | 14.37 | 14.18 | 14.11 | 14.16 | |
| 26 | 16.85 | 17.86 | 18.50 | 17.81 | 16.73 | 23.17 | 16.18 | 14.88 | 14.36 | 14.19 | 14.11 | 14.13 | |
| 27 | 16.74 | 17.15 | 19.39 | 17.83 | 17.58 | 23.51 | 16.00 | 14.86 | 14.35 | 14.18 | 14.11 | 14.12 | |
| 28 | 16.24 | 16.39 | 18.75 | 17.42 | 19.84 | 23.28 | 15.72 | 14.84 | 14.34 | 14.17 | 14.11 | 14.11 | |
| 29 | 15.99 | 16.40 | 18.86 | 17.29 | 19.57 | 22.99 | 15.30 | 14.82 | 14.33 | 14.16 | | 14.10 | |
| 30 | 15.73 | 16.37 | 18.56 | 16.97 | 19.17 | 23.12 | 15.23 | 14.75 | 14.31 | 14.15 | | 14.07 | |
| 31 | | 16.31 | | 18.66 | 21.01 | | 15.24 | | 14.29 | 14.14 | | 14.06 | |
| Mean | 16.92 | 16.17 | 16.12 | 19.47 | 19.35 | 21.14 | 19.39 | 14.98 | 14.47 | 14.19 | 14.11 | 14.10 | |
| Max | 19.31 | 18.80 | 19.39 | 22.51 | 22.78 | 23.51 | 23.51 | 16.67 | 14.70 | 14.29 | 14.13 | 14.21 | 23.51 |
| Min | 15.73 | 14.91 | 14.67 | 16.97 | 16.28 | 17.50 | 15.23 | 14.73 | 14.29 | 14.13 | 14.11 | 14.05 | 14.05 |

Annual Max Momentary Gage Height 23.56 m. (MSL.) , at 17.00 Hours, on Sep 27, 2006

Zero Gage at Bottom Elevation 13.86 m. (MSL.) , River Bed 13.88 m. (MSL)

Left Bank Elevation 23.17 m. (MSL.) ,

Right Bank Elevation 24.30 m. (MSL.) , Drainage Are 2,558 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.56 | 9.82 | 9.93 | 63.71 | 98.00 | 179.26 | 228.75 | 7.20 | 1.50 | 0.00 | 0.00 | 0.00 | | |
| 2 | 46.00 | 9.27 | 35.02 | 80.00 | 145.60 | 197.32 | 236.28 | 7.10 | 1.35 | 0.00 | 0.00 | 0.00 | | |
| 3 | 66.24 | 9.16 | 59.34 | 89.40 | 184.85 | 210.80 | 217.05 | 6.90 | 1.25 | 0.00 | 0.00 | 0.00 | | |
| 4 | 81.75 | 8.61 | 27.46 | 126.20 | 202.48 | 207.28 | 175.53 | 6.70 | 1.15 | 0.00 | 0.00 | 0.00 | | |
| 5 | 51.42 | 8.50 | 13.17 | 142.80 | 203.34 | 106.40 | 156.68 | 6.00 | 1.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 30.16 | 8.50 | 21.51 | 154.40 | 193.02 | 54.78 | 172.25 | 5.70 | 0.92 | 0.00 | 0.00 | 0.00 | | |
| 7 | 21.51 | 14.47 | 16.04 | 162.41 | 199.90 | 41.60 | 180.55 | 25.66 | 0.88 | 0.00 | 0.00 | 0.00 | | |
| 8 | 20.04 | 19.08 | 13.30 | 187.86 | 170.61 | 57.96 | 158.58 | 2.60 | 0.80 | 0.00 | 0.00 | 0.00 | | |
| 9 | 21.17 | 16.68 | 9.60 | 191.73 | 84.00 | 50.37 | 118.32 | 1.65 | 0.72 | 0.00 | 0.00 | 0.00 | | |
| 10 | 21.68 | 13.04 | 7.10 | 122.57 | 51.00 | 40.80 | 100.70 | 1.65 | 0.68 | 0.00 | 0.00 | 0.00 | | |
| 11 | 20.20 | 11.74 | 4.89 | 78.25 | 37.36 | 43.80 | 128.92 | 1.65 | 0.68 | 0.00 | 0.00 | 0.00 | | |
| 12 | 18.28 | 11.61 | 3.79 | 68.08 | 26.02 | 73.75 | 179.26 | 1.65 | 0.68 | 0.00 | 0.00 | 0.00 | | |
| 13 | 16.84 | 15.40 | 2.51 | 109.48 | 21.85 | 144.90 | 199.90 | 1.65 | 0.76 | 0.00 | 0.00 | 0.00 | | |
| 14 | 15.24 | 21.85 | 2.34 | 116.72 | 19.08 | 187.00 | 152.18 | 1.70 | 0.68 | 0.00 | 0.00 | 0.00 | | |
| 15 | 14.08 | 18.76 | 1.40 | 99.80 | 27.46 | 203.34 | 90.80 | 2.77 | 0.44 | 0.00 | 0.00 | 0.00 | | |
| 16 | 18.60 | 22.36 | 1.35 | 111.96 | 81.00 | 194.31 | 77.75 | 2.94 | 0.44 | 0.00 | 0.00 | 0.00 | | |
| 17 | 26.38 | 24.06 | 1.85 | 85.35 | 104.30 | 111.96 | 60.49 | 2.51 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 18 | 41.80 | 7.95 | 2.43 | 66.47 | 79.75 | 84.54 | 47.22 | 2.34 | 0.36 | 0.00 | 0.00 | 0.00 | | |
| 19 | 61.87 | 4.81 | 3.28 | 63.94 | 101.30 | 90.24 | 71.25 | 2.09 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 20 | 47.01 | 2.94 | 3.53 | 70.50 | 101.00 | 138.95 | 90.24 | 1.90 | 0.24 | 0.00 | 0.00 | 0.00 | | |
| 21 | 33.40 | 3.36 | 7.95 | 81.00 | 93.60 | 160.48 | 59.57 | 1.90 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 22 | 29.98 | 10.15 | 10.15 | 75.75 | 63.71 | 180.12 | 41.40 | 2.26 | 0.18 | 0.00 | 0.00 | 0.00 | | |
| 23 | 24.40 | 31.06 | 8.50 | 79.50 | 44.00 | 178.40 | 33.04 | 3.11 | 0.16 | 0.00 | 0.00 | 0.00 | | |
| 24 | 31.60 | 53.52 | 6.20 | 72.50 | 31.96 | 190.44 | 26.74 | 3.28 | 0.16 | 0.00 | 0.00 | 0.00 | | |
| 25 | 37.18 | 69.00 | 8.83 | 52.47 | 30.70 | 207.72 | 20.84 | 2.94 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 26 | 28.90 | 48.06 | 62.10 | 47.01 | 26.74 | 220.65 | 17.48 | 2.68 | 0.12 | 0.00 | 0.00 | 0.00 | | |
| 27 | 26.92 | 34.30 | 83.75 | 47.43 | 42.40 | 236.28 | 14.60 | 2.51 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 28 | 18.44 | 20.84 | 67.85 | 39.20 | 96.20 | 225.60 | 10.96 | 2.34 | 0.08 | 0.00 | 0.00 | 0.00 | | |
| 29 | 14.47 | 21.00 | 70.50 | 36.82 | 88.59 | 212.56 | 6.40 | 2.17 | 0.06 | 0.00 | | 0.00 | | |
| 30 | 11.09 | 20.52 | 63.48 | 31.06 | 78.25 | 218.40 | 5.70 | 1.75 | 0.02 | 0.00 | | 0.00 | | |
| 31 | | 19.56 | | 65.78 | 133.35 | | 5.80 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 932.21 | 589.98 | 629.15 | 2820.15 | 2861.42 | 4450.01 | 3085.23 | 117.30 | 16.43 | 0.00 | 0.00 | 0.00 | 15501.88 | CMSDAY |
| Mean | 31.07 | 19.03 | 20.97 | 90.97 | 92.30 | 148.33 | 99.52 | 3.91 | 0.53 | 0.00 | 0.00 | 0.00 | 42.47 | CMS |
| Max | 81.75 | 69.00 | 83.75 | 191.73 | 203.34 | 236.28 | 236.28 | 25.66 | 1.50 | 0.00 | 0.00 | 0.00 | 236.28 | CMS |
| Min | 11.09 | 2.94 | 1.35 | 31.06 | 19.08 | 40.80 | 5.70 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 80.54 | 50.97 | 54.36 | 243.66 | 247.23 | 384.48 | 266.56 | 10.13 | 1.42 | 0.00 | 0.00 | 0.00 | 1339.36 | MCM |

Momentary Peak 238.68 CMS, at 23.56 m. (MSL), at 17.00 Hours, on Sep 27, 2006

Runoff Yield 16.60 Liters/Second/Square KM. Momentary Peak Yield 93.31 Liters/Second/Square KM.

## WATER YEAR : 2006

## BANG PAKONG RIVER BASIN

### Nakhon Nayok River at Ban Khao Nang Buat , Nakhon Nayok (Ny.1B)

Lat 14 - 14 - 38 N Long 101 - 16 - 14 E

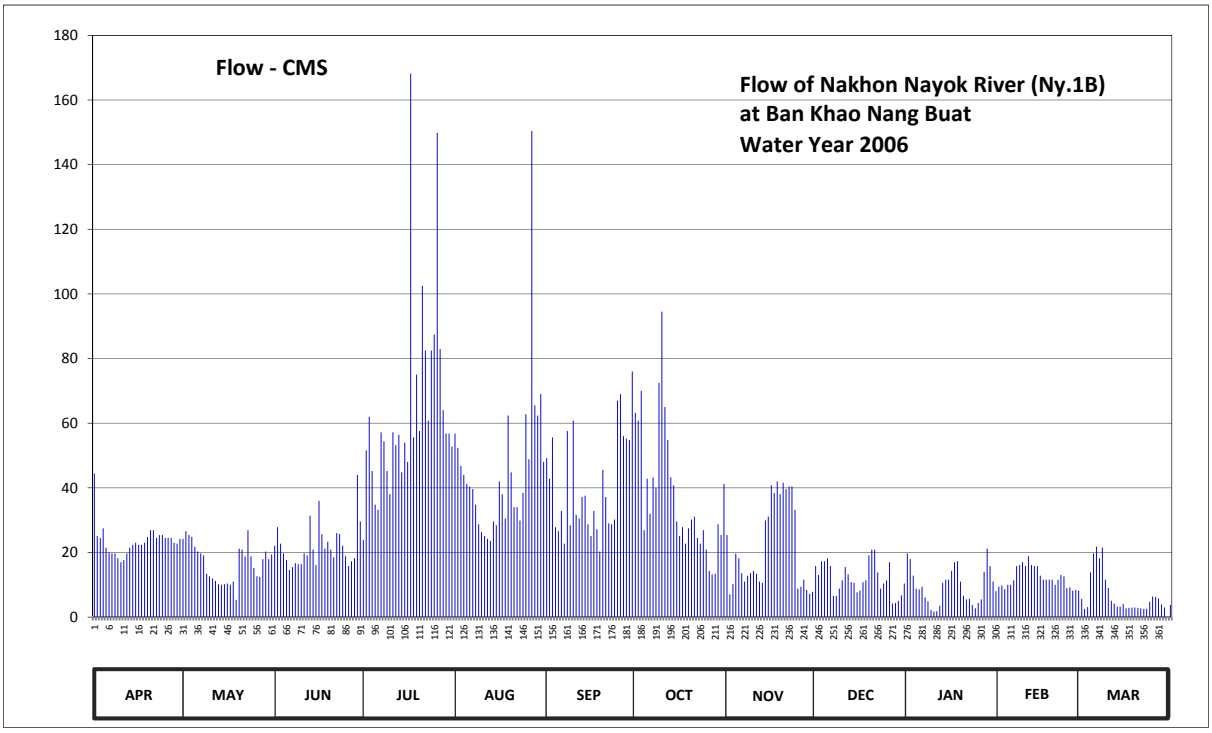
**Location : on right bank about 700 meters upstream from Ny.1**

| | | | |
|---|---|---|---|
| | **Ban** Khao Nang Buat | **Amphoe** Mueang | **Changwat** Nakhon Nayok |
| **Drainge Area** | 521 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 200 meters from the staff gage. | **Elevation** | +8.758 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1973 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1973 - 1980 , 1991 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1973 - 1980 , 1991 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 17 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.41 | 4.84 | 4.77 | 4.83 | 5.72 | 5.53 | 5.88 | 4.88 | 4.56 | 4.69 | 4.27 | 4.05 | |
| 2 | 4.87 | 4.92 | 4.96 | 5.59 | 5.61 | 5.37 | 5.82 | 4.14 | 4.45 | 4.63 | 4.29 | 3.83 | |
| 3 | 4.85 | 4.88 | 4.79 | 5.85 | 5.47 | 5.69 | 6.02 | 4.31 | 4.61 | 4.44 | 4.23 | 3.87 | |
| 4 | 4.95 | 4.86 | 4.69 | 5.43 | 5.40 | 4.96 | 4.93 | 4.69 | 4.61 | 4.24 | 4.30 | 4.49 | |
| 5 | 4.75 | 4.76 | 4.62 | 5.17 | 5.33 | 4.92 | 5.37 | 4.64 | 4.64 | 4.23 | 4.30 | 4.69 | |
| 6 | 4.70 | 4.71 | 4.52 | 5.13 | 5.31 | 5.12 | 5.10 | 4.48 | 4.56 | 4.27 | 4.37 | 4.76 | |
| 7 | 4.69 | 4.69 | 4.55 | 5.73 | 5.29 | 4.79 | 5.38 | 4.35 | 4.11 | 4.08 | 4.56 | 4.64 | |
| 8 | 4.69 | 4.67 | 4.59 | 5.66 | 5.17 | 5.74 | 5.30 | 4.44 | 4.11 | 4.00 | 4.57 | 4.75 | |
| 9 | 4.64 | 4.47 | 4.58 | 5.43 | 4.99 | 4.98 | 6.07 | 4.48 | 4.24 | 3.80 | 4.60 | 4.38 | |
| 10 | 4.60 | 4.43 | 4.58 | 5.25 | 4.91 | 5.82 | 6.51 | 4.51 | 4.37 | 3.76 | 4.56 | 4.25 | |
| 11 | 4.62 | 4.40 | 4.69 | 5.73 | 4.87 | 5.09 | 5.92 | 4.47 | 4.55 | 3.77 | 4.66 | 4.01 | |
| 12 | 4.69 | 4.36 | 4.67 | 5.63 | 4.84 | 5.05 | 5.67 | 4.35 | 4.46 | 3.90 | 4.57 | 3.95 | |
| 13 | 4.75 | 4.31 | 5.08 | 5.71 | 4.82 | 5.23 | 5.38 | 4.33 | 4.34 | 4.33 | 4.56 | 3.88 | |
| 14 | 4.78 | 4.30 | 4.73 | 5.42 | 5.02 | 5.24 | 5.32 | 5.03 | 4.33 | 4.38 | 4.56 | 3.88 | |
| 15 | 4.80 | 4.31 | 4.57 | 5.65 | 4.98 | 4.99 | 5.02 | 5.07 | 4.18 | 4.38 | 4.44 | 3.94 | |
| 16 | 4.78 | 4.32 | 5.20 | 5.50 | 5.35 | 4.87 | 4.87 | 5.32 | 4.21 | 4.51 | 4.38 | 3.84 | |
| 17 | 4.78 | 4.30 | 4.89 | 7.76 | 5.25 | 5.12 | 4.96 | 5.26 | 4.34 | 4.60 | 4.38 | 3.85 | |
| 18 | 4.80 | 4.35 | 4.74 | 5.69 | 5.05 | 4.94 | 4.79 | 5.35 | 4.37 | 4.61 | 4.38 | 3.86 | |
| 19 | 4.86 | 4.03 | 4.81 | 6.12 | 5.86 | 4.71 | 4.95 | 5.25 | 4.67 | 4.35 | 4.38 | 3.86 | |
| 20 | 4.93 | 4.74 | 4.73 | 5.74 | 5.42 | 5.44 | 5.04 | 5.34 | 4.73 | 4.11 | 4.30 | 3.85 | |
| 21 | 4.93 | 4.73 | 4.65 | 6.67 | 5.15 | 5.23 | 5.07 | 5.29 | 4.73 | 4.04 | 4.38 | 3.84 | |
| 22 | 4.85 | 4.66 | 4.90 | 6.27 | 5.15 | 5.00 | 4.85 | 5.31 | 4.49 | 4.05 | 4.45 | 3.83 | |
| 23 | 4.88 | 4.93 | 4.89 | 5.82 | 5.03 | 4.99 | 4.79 | 5.31 | 4.24 | 3.92 | 4.43 | 3.83 | |
| 24 | 4.88 | 4.66 | 4.77 | 6.27 | 5.26 | 5.04 | 4.93 | 5.13 | 4.32 | 3.84 | 4.25 | 3.99 | |
| 25 | 4.85 | 4.54 | 4.66 | 6.37 | 5.87 | 5.96 | 4.73 | 4.24 | 4.37 | 3.96 | 4.26 | 4.10 | |
| 26 | 4.85 | 4.43 | 4.56 | 7.48 | 5.52 | 6.00 | 4.51 | 4.27 | 4.60 | 4.04 | 4.21 | 4.09 | |
| 27 | 4.85 | 4.42 | 4.61 | 6.28 | 7.49 | 5.70 | 4.46 | 4.38 | 3.95 | 4.50 | 4.22 | 4.06 | |
| 28 | 4.80 | 4.63 | 4.64 | 5.90 | 5.93 | 5.68 | 4.47 | 4.22 | 3.96 | 4.74 | 4.21 | 3.93 | |
| 29 | 4.79 | 4.71 | 5.40 | 5.72 | 5.86 | 5.67 | 4.99 | 4.15 | 4.01 | 4.56 | | 3.86 | |
| 30 | 4.84 | 4.63 | 5.02 | 5.72 | 6.00 | 6.14 | 4.88 | 4.19 | 4.12 | 4.35 | | 3.60 | |
| 31 | | 4.68 | | 5.62 | 5.50 | | 5.33 | | 4.32 | 4.20 | | 3.92 | |
| Mean | 4.82 | 4.57 | 4.76 | 5.84 | 5.40 | 5.30 | 5.20 | 4.71 | 4.37 | 4.23 | 4.40 | 4.05 | |
| Max | 5.41 | 4.93 | 5.40 | 7.76 | 7.49 | 6.14 | 6.51 | 5.35 | 4.73 | 4.74 | 4.66 | 4.76 | 7.76 |
| Min | 4.60 | 4.03 | 4.52 | 4.83 | 4.82 | 4.71 | 4.46 | 4.14 | 3.95 | 3.76 | 4.21 | 3.60 | 3.60 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 8.39 | m. (MSL.) , | at 06.00 Hours , on Jul 17, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 2.56 | m. (MSL.) |
| Left Bank Elevation | 11.51 | m. (MSL.) , | | | |
| Right Bank Elevation | 11.51 | m. (MSL.) , | Drainage Are | 521 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44.40 | 24.20 | 22.10 | 23.90 | 56.80 | 49.20 | 63.20 | 25.40 | 15.80 | 19.70 | 9.40 | 5.65 | | |
| 2 | 25.10 | 26.60 | 27.80 | 51.60 | 52.40 | 42.80 | 60.80 | 7.04 | 13.00 | 17.90 | 9.80 | 2.59 | | |
| 3 | 24.50 | 25.40 | 22.70 | 62.00 | 46.80 | 55.60 | 70.00 | 10.20 | 17.30 | 12.80 | 8.60 | 3.11 | | |
| 4 | 27.50 | 24.80 | 19.70 | 45.20 | 44.00 | 27.80 | 26.90 | 19.70 | 17.30 | 8.80 | 10.00 | 13.80 | | |
| 5 | 21.50 | 21.80 | 17.60 | 34.80 | 41.20 | 26.60 | 42.80 | 18.20 | 18.20 | 8.60 | 10.00 | 19.70 | | |
| 6 | 20.00 | 20.30 | 14.60 | 33.20 | 40.40 | 32.80 | 32.00 | 13.60 | 15.80 | 9.40 | 11.40 | 21.80 | | |
| 7 | 19.70 | 19.70 | 15.50 | 57.20 | 39.60 | 22.70 | 43.20 | 11.00 | 6.56 | 6.10 | 15.80 | 18.20 | | |
| 8 | 19.70 | 19.10 | 16.70 | 54.40 | 34.80 | 57.60 | 40.00 | 12.80 | 6.56 | 4.90 | 16.10 | 21.50 | | |
| 9 | 18.20 | 13.40 | 16.40 | 45.20 | 28.70 | 28.40 | 72.50 | 13.60 | 8.80 | 2.20 | 17.00 | 11.60 | | |
| 10 | 17.00 | 12.60 | 16.40 | 38.00 | 26.30 | 60.80 | 94.50 | 14.30 | 11.40 | 1.72 | 15.80 | 9.00 | | |
| 11 | 17.60 | 12.00 | 19.70 | 57.20 | 25.10 | 31.70 | 65.00 | 13.40 | 15.50 | 1.84 | 18.80 | 5.05 | | |
| 12 | 19.70 | 11.20 | 19.10 | 53.20 | 24.20 | 30.50 | 54.80 | 11.00 | 13.20 | 3.50 | 16.10 | 4.20 | | |
| 13 | 21.50 | 10.20 | 31.40 | 56.40 | 23.60 | 37.20 | 43.20 | 10.60 | 10.80 | 10.60 | 15.80 | 3.24 | | |
| 14 | 22.40 | 10.00 | 20.90 | 44.80 | 29.60 | 37.60 | 40.80 | 29.90 | 10.60 | 11.60 | 15.80 | 3.24 | | |
| 15 | 23.00 | 10.20 | 16.10 | 54.00 | 28.40 | 28.70 | 29.60 | 31.10 | 7.68 | 11.60 | 12.80 | 4.06 | | |
| 16 | 22.40 | 10.40 | 36.00 | 48.00 | 42.00 | 25.10 | 25.10 | 40.80 | 8.20 | 14.30 | 11.60 | 2.72 | | |
| 17 | 22.40 | 10.00 | 25.70 | 168.20 | 38.00 | 32.80 | 27.80 | 38.40 | 10.80 | 17.00 | 11.60 | 2.85 | | |
| 18 | 23.00 | 11.00 | 21.20 | 55.60 | 30.50 | 27.20 | 22.70 | 42.00 | 11.40 | 17.30 | 11.60 | 2.98 | | |
| 19 | 24.80 | 5.35 | 23.30 | 75.00 | 62.40 | 20.30 | 27.50 | 38.00 | 19.10 | 11.00 | 11.60 | 2.98 | | |
| 20 | 26.90 | 21.20 | 20.90 | 57.60 | 44.80 | 45.60 | 30.20 | 41.60 | 20.90 | 6.56 | 10.00 | 2.85 | | |
| 21 | 26.90 | 20.90 | 18.50 | 102.50 | 34.00 | 37.20 | 31.10 | 39.60 | 20.90 | 5.50 | 11.60 | 2.72 | | |
| 22 | 24.50 | 18.80 | 26.00 | 82.50 | 34.00 | 29.00 | 24.50 | 40.40 | 13.80 | 5.65 | 13.00 | 2.59 | | |
| 23 | 25.40 | 26.90 | 25.70 | 60.80 | 29.90 | 28.70 | 22.70 | 40.40 | 8.80 | 3.78 | 12.60 | 2.59 | | |
| 24 | 25.40 | 18.80 | 22.10 | 82.50 | 38.40 | 30.20 | 26.90 | 33.20 | 10.40 | 2.72 | 9.00 | 4.76 | | |
| 25 | 24.50 | 15.20 | 18.80 | 87.50 | 62.80 | 67.00 | 20.90 | 8.80 | 11.40 | 4.34 | 9.20 | 6.40 | | |
| 26 | 24.50 | 12.60 | 15.80 | 149.80 | 48.80 | 69.00 | 14.30 | 9.40 | 17.00 | 5.50 | 8.20 | 6.25 | | |
| 27 | 24.50 | 12.40 | 17.30 | 83.00 | 150.40 | 56.00 | 13.20 | 11.60 | 4.20 | 14.00 | 8.40 | 5.80 | | |
| 28 | 23.00 | 17.90 | 18.20 | 64.00 | 65.50 | 55.20 | 13.40 | 8.40 | 4.34 | 21.20 | 8.20 | 3.92 | | |
| 29 | 22.70 | 20.30 | 44.00 | 56.80 | 62.40 | 54.80 | 28.70 | 7.20 | 5.05 | 15.80 | | 2.98 | | |
| 30 | 24.20 | 17.90 | 29.60 | 56.80 | 69.00 | 76.00 | 25.40 | 7.84 | 6.72 | 11.00 | | 0.00 | | |
| 31 | | 19.40 | | 52.80 | 48.00 | | 41.20 | | 10.40 | 8.00 | | 3.78 | | |
| Total | 706.90 | 520.55 | 659.80 | 1994.50 | 1402.80 | 1224.10 | 1174.90 | 649.48 | 371.91 | 294.91 | 339.80 | 202.91 | 9542.56 | CMSDAY |
| Mean | 23.56 | 16.79 | 21.99 | 64.34 | 45.25 | 40.80 | 37.90 | 21.65 | 12.00 | 9.51 | 12.14 | 6.55 | 26.14 | CMS |
| Max | 44.40 | 26.90 | 44.00 | 168.20 | 150.40 | 76.00 | 94.50 | 42.00 | 20.90 | 21.20 | 18.80 | 21.80 | 168.20 | CMS |
| Min | 17.00 | 5.35 | 14.60 | 23.90 | 23.60 | 20.30 | 13.20 | 7.04 | 4.20 | 1.72 | 8.20 | 0.00 | 0.00 | CMS |
| Runoff | 61.08 | 44.98 | 57.01 | 172.32 | 121.20 | 105.76 | 101.51 | 56.12 | 32.13 | 25.48 | 29.36 | 17.53 | 824.48 | MCM |

Momentary Peak 212.30 CMS. at 8.39 m. (MSL.) at 06.00 Hours , on Jul 17, 2006

Runoff Yield 50.14 Liters/Second/Square KM. Momentary Peak Yield 407.12 Liters/Second/Square KM.

## WATER YEAR : 2006

## BANG PAKONG RIVER BASIN

### Lower Khlong Ban Na at Ban Pa Kha , Nakhon Nayok (Ny.3)

Lat 14 - 17 - 04 N Long 101 - 04 - 28 E

**Location : on left bank near Wat Ban Pa Kha.**

**Ban** Pa Kha **Amphoe** Ban Na **Changwat** Nakhon Nayok

| | |
|---|---|
| **Drainge Area** | 203 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +6.330 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | About 10 meters from the top staff gage. **Elevation** +12.695 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1977 to date |
| **Rating Operation** | |
| **Period of Rating** | 1977 - 1978 , 1980, 1988 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1977 - 1978 , 1980, 1988 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the local weir. Stage-discharge relation defined by 11 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

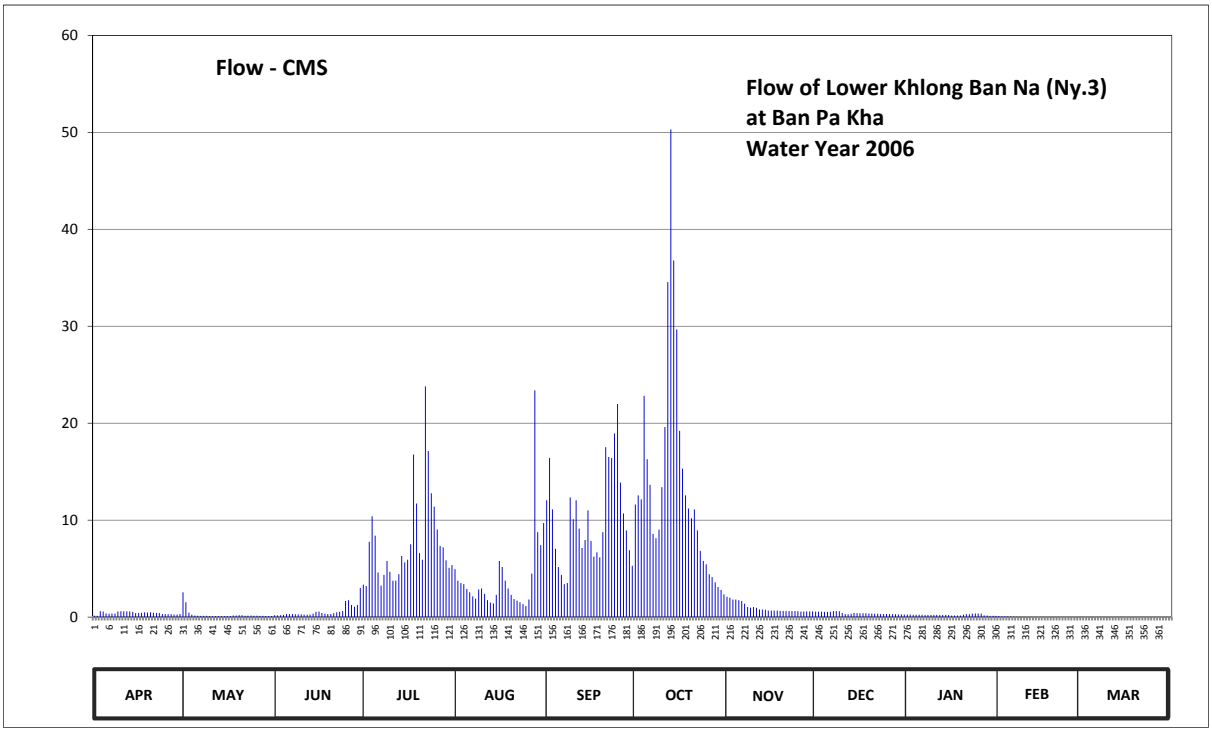
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.94 | 7.83 | 6.99 | 7.99 | 8.25 | 9.07 | 9.03 | 7.74 | 7.25 | 7.04 | 6.89 | 6.78 | |
| 2 | 6.93 | 7.61 | 6.98 | 7.96 | 8.06 | 9.45 | 9.12 | 7.72 | 7.24 | 7.04 | 6.87 | 6.78 | |
| 3 | 7.27 | 7.17 | 6.99 | 8.63 | 8.02 | 8.98 | 9.08 | 7.68 | 7.24 | 7.03 | 6.86 | 6.78 | |
| 4 | 7.25 | 7.03 | 7.02 | 8.91 | 8.00 | 8.54 | 9.93 | 7.68 | 7.23 | 7.03 | 6.86 | 6.78 | |
| 5 | 7.12 | 6.97 | 7.08 | 8.70 | 7.90 | 8.28 | 9.44 | 7.66 | 7.23 | 7.03 | 6.85 | 6.78 | |
| 6 | 7.10 | 6.94 | 7.08 | 8.20 | 7.83 | 8.16 | 9.22 | 7.64 | 7.24 | 7.03 | 6.85 | 6.78 | |
| 7 | 7.11 | 6.93 | 7.07 | 7.97 | 7.75 | 8.00 | 8.72 | 7.57 | 7.28 | 7.02 | 6.84 | 6.78 | |
| 8 | 7.11 | 6.93 | 7.06 | 8.16 | 7.70 | 8.02 | 8.67 | 7.48 | 7.28 | 7.02 | 6.84 | 6.78 | |
| 9 | 7.25 | 6.93 | 7.05 | 8.37 | 7.89 | 9.10 | 8.77 | 7.46 | 7.27 | 7.02 | 6.82 | 6.78 | |
| 10 | 7.27 | 6.91 | 7.05 | 8.21 | 7.91 | 8.88 | 9.20 | 7.48 | 7.15 | 7.02 | 6.81 | 6.78 | |
| 11 | 7.26 | 6.90 | 7.04 | 8.06 | 7.80 | 9.07 | 9.70 | 7.45 | 7.07 | 7.02 | 6.80 | 6.78 | |
| 12 | 7.26 | 6.90 | 7.03 | 8.06 | 7.66 | 8.78 | 10.68 | 7.39 | 7.06 | 7.02 | 6.80 | 6.78 | |
| 13 | 7.26 | 6.90 | 7.04 | 8.17 | 7.60 | 8.55 | 11.50 | 7.38 | 7.09 | 7.02 | 6.79 | 6.78 | |
| 14 | 7.23 | 6.90 | 7.10 | 8.44 | 7.58 | 8.65 | 10.81 | 7.37 | 7.15 | 7.02 | 6.79 | 6.78 | |
| 15 | 7.14 | 6.90 | 7.23 | 8.35 | 7.78 | 8.97 | 10.38 | 7.32 | 7.14 | 7.01 | 6.78 | 6.78 | |
| 16 | 7.15 | 6.90 | 7.25 | 8.39 | 8.37 | 8.64 | 9.67 | 7.32 | 7.13 | 6.97 | 6.78 | 6.78 | |
| 17 | 7.16 | 6.90 | 7.15 | 8.60 | 8.28 | 8.43 | 9.36 | 7.32 | 7.13 | 6.97 | 6.80 | 6.78 | |
| 18 | 7.19 | 6.96 | 7.10 | 9.48 | 8.06 | 8.49 | 9.12 | 7.31 | 7.13 | 6.96 | 6.80 | 6.78 | |
| 19 | 7.18 | 6.96 | 7.08 | 9.04 | 7.91 | 8.42 | 8.99 | 7.30 | 7.11 | 6.96 | 6.80 | 6.78 | |
| 20 | 7.19 | 6.99 | 7.08 | 8.48 | 7.78 | 8.74 | 8.89 | 7.30 | 7.11 | 7.03 | 6.79 | 6.78 | |
| 21 | 7.16 | 6.99 | 7.13 | 8.39 | 7.69 | 9.54 | 8.98 | 7.29 | 7.10 | 7.06 | 6.79 | 6.78 | |
| 22 | 7.15 | 6.95 | 7.20 | 10.00 | 7.65 | 9.46 | 8.76 | 7.28 | 7.09 | 7.06 | 6.78 | 6.77 | |
| 23 | 7.15 | 6.94 | 7.23 | 9.51 | 7.61 | 9.45 | 8.51 | 7.28 | 7.08 | 7.11 | 6.78 | 6.77 | |
| 24 | 7.08 | 6.96 | 7.28 | 9.14 | 7.56 | 9.65 | 8.37 | 7.28 | 7.08 | 7.12 | 6.77 | 6.77 | |
| 25 | 7.07 | 6.95 | 7.64 | 9.01 | 7.51 | 9.87 | 8.32 | 7.27 | 7.07 | 7.11 | 6.77 | 6.77 | |
| 26 | 7.06 | 6.94 | 7.66 | 8.77 | 7.68 | 9.24 | 8.17 | 7.25 | 7.07 | 7.11 | 6.77 | 6.77 | |
| 27 | 7.06 | 6.93 | 7.54 | 8.58 | 8.18 | 8.94 | 8.12 | 7.25 | 7.06 | 6.98 | 6.76 | 6.77 | |
| 28 | 7.04 | 6.93 | 7.49 | 8.56 | 9.97 | 8.76 | 8.03 | 7.26 | 7.06 | 6.97 | 6.76 | 6.77 | |
| 29 | 7.04 | 6.92 | 7.54 | 8.38 | 8.74 | 8.52 | 7.94 | 7.26 | 7.05 | 6.93 | | 6.77 | |
| 30 | 7.07 | 6.92 | 7.92 | 8.27 | 8.59 | 8.30 | 7.88 | 7.26 | 7.05 | 6.93 | | 6.77 | |
| 31 | | 6.92 | | 8.31 | 8.84 | | 7.79 | | 7.04 | 6.93 | | 6.77 | |
| Mean | 7.14 | 6.99 | 7.20 | 8.55 | 8.00 | 8.83 | 9.07 | 7.41 | 7.14 | 7.02 | 6.81 | 6.78 | |
| Max | 7.27 | 7.83 | 7.92 | 10.00 | 9.97 | 9.87 | 11.50 | 7.74 | 7.28 | 7.12 | 6.89 | 6.78 | 11.50 |
| Min | 6.93 | 6.90 | 6.98 | 7.96 | 7.51 | 8.00 | 7.79 | 7.25 | 7.04 | 6.93 | 6.76 | 6.77 | 6.76 |

Annual Max Momentary Gage Height 11.60 m. (MSL.) , at 09.00 Hours , on Oct 13, 2006

Zero Gage at Bottom Elevation 6.33 m. (MSL.) , River Bed 6.59 m. (MSL.)

Left Bank Elevation 13.60 m. (MSL.) ,

Right Bank Elevation 13.61 m. (MSL.) , Drainage Are 203 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.14 | 2.55 | 0.19 | 3.35 | 4.95 | 12.04 | 11.62 | 2.10 | 0.58 | 0.26 | 0.09 | 0.00 | | |
| 2 | 0.13 | 1.54 | 0.18 | 3.20 | 3.76 | 16.40 | 12.56 | 2.00 | 0.56 | 0.26 | 0.07 | 0.00 | | |
| 3 | 0.61 | 0.46 | 0.19 | 7.77 | 3.52 | 11.10 | 12.14 | 1.82 | 0.56 | 0.25 | 0.06 | 0.00 | | |
| 4 | 0.58 | 0.25 | 0.23 | 10.40 | 3.40 | 7.05 | 22.82 | 1.82 | 0.55 | 0.25 | 0.06 | 0.00 | | |
| 5 | 0.38 | 0.17 | 0.32 | 8.40 | 2.90 | 5.16 | 16.28 | 1.74 | 0.55 | 0.25 | 0.05 | 0.00 | | |
| 6 | 0.35 | 0.14 | 0.32 | 4.60 | 2.55 | 4.36 | 13.64 | 1.66 | 0.56 | 0.25 | 0.05 | 0.00 | | |
| 7 | 0.37 | 0.13 | 0.31 | 3.25 | 2.15 | 3.40 | 8.58 | 1.38 | 0.62 | 0.23 | 0.04 | 0.00 | | |
| 8 | 0.37 | 0.13 | 0.29 | 4.36 | 1.90 | 3.52 | 8.13 | 1.04 | 0.62 | 0.23 | 0.04 | 0.00 | | |
| 9 | 0.58 | 0.13 | 0.28 | 5.79 | 2.85 | 12.35 | 9.03 | 0.98 | 0.61 | 0.23 | 0.02 | 0.00 | | |
| 10 | 0.61 | 0.11 | 0.28 | 4.67 | 2.95 | 10.10 | 13.40 | 1.04 | 0.43 | 0.23 | 0.01 | 0.00 | | |
| 11 | 0.59 | 0.10 | 0.26 | 3.76 | 2.40 | 12.04 | 19.60 | 0.95 | 0.31 | 0.23 | 0.00 | 0.00 | | |
| 12 | 0.59 | 0.10 | 0.25 | 3.76 | 1.74 | 9.12 | 34.56 | 0.79 | 0.29 | 0.23 | 0.00 | 0.00 | | |
| 13 | 0.59 | 0.10 | 0.26 | 4.42 | 1.50 | 7.13 | 50.30 | 0.77 | 0.34 | 0.23 | 0.00 | 0.00 | | |
| 14 | 0.55 | 0.10 | 0.35 | 6.30 | 1.42 | 7.95 | 36.78 | 0.76 | 0.43 | 0.23 | 0.00 | 0.00 | | |
| 15 | 0.41 | 0.10 | 0.55 | 5.65 | 2.30 | 11.00 | 29.68 | 0.68 | 0.41 | 0.22 | 0.00 | 0.00 | | |
| 16 | 0.43 | 0.10 | 0.58 | 5.93 | 5.79 | 7.86 | 19.21 | 0.68 | 0.40 | 0.17 | 0.00 | 0.00 | | |
| 17 | 0.44 | 0.10 | 0.43 | 7.50 | 5.16 | 6.23 | 15.32 | 0.68 | 0.40 | 0.17 | 0.00 | 0.00 | | |
| 18 | 0.49 | 0.16 | 0.35 | 16.76 | 3.76 | 6.68 | 12.56 | 0.67 | 0.40 | 0.16 | 0.00 | 0.00 | | |
| 19 | 0.47 | 0.16 | 0.32 | 11.72 | 2.95 | 6.15 | 11.20 | 0.65 | 0.37 | 0.16 | 0.00 | 0.00 | | |
| 20 | 0.49 | 0.19 | 0.32 | 6.60 | 2.30 | 8.76 | 10.20 | 0.65 | 0.37 | 0.25 | 0.00 | 0.00 | | |
| 21 | 0.44 | 0.19 | 0.40 | 5.93 | 1.86 | 17.52 | 11.10 | 0.64 | 0.35 | 0.29 | 0.00 | 0.00 | | |
| 22 | 0.43 | 0.15 | 0.50 | 23.80 | 1.70 | 16.52 | 8.94 | 0.62 | 0.34 | 0.29 | 0.00 | 0.00 | | |
| 23 | 0.43 | 0.14 | 0.55 | 17.13 | 1.54 | 16.40 | 6.83 | 0.62 | 0.32 | 0.37 | 0.00 | 0.00 | | |
| 24 | 0.32 | 0.16 | 0.62 | 12.77 | 1.34 | 18.95 | 5.79 | 0.62 | 0.32 | 0.38 | 0.00 | 0.00 | | |
| 25 | 0.31 | 0.15 | 1.66 | 11.41 | 1.14 | 21.98 | 5.44 | 0.61 | 0.31 | 0.37 | 0.00 | 0.00 | | |
| 26 | 0.29 | 0.14 | 1.74 | 9.03 | 1.82 | 13.88 | 4.42 | 0.58 | 0.31 | 0.37 | 0.00 | 0.00 | | |
| 27 | 0.29 | 0.13 | 1.26 | 7.35 | 4.48 | 10.70 | 4.12 | 0.58 | 0.29 | 0.18 | 0.00 | 0.00 | | |
| 28 | 0.26 | 0.13 | 1.07 | 7.20 | 23.38 | 8.94 | 3.58 | 0.59 | 0.29 | 0.17 | 0.00 | 0.00 | | |
| 29 | 0.26 | 0.12 | 1.26 | 5.86 | 8.76 | 6.90 | 3.10 | 0.59 | 0.28 | 0.13 | | 0.00 | | |
| 30 | 0.31 | 0.12 | 3.00 | 5.09 | 7.43 | 5.30 | 2.80 | 0.59 | 0.28 | 0.13 | | 0.00 | | |
| 31 | | 0.12 | | 5.37 | 9.70 | | 2.35 | | 0.26 | 0.13 | | 0.00 | | |
| Total | 12.51 | 8.37 | 18.32 | 239.13 | 123.40 | 305.49 | 426.08 | 28.90 | 12.71 | 7.30 | 0.49 | 0.00 | 1182.70 | CMSDAY |
| Mean | 0.42 | 0.27 | 0.61 | 7.71 | 3.98 | 10.18 | 13.74 | 0.96 | 0.41 | 0.24 | 0.02 | 0.00 | 3.24 | CMS |
| Max | 0.61 | 2.55 | 3.00 | 23.80 | 23.38 | 21.98 | 50.30 | 2.10 | 0.62 | 0.38 | 0.09 | 0.00 | 50.30 | CMS |
| Min | 0.13 | 0.10 | 0.18 | 3.20 | 1.14 | 3.40 | 2.35 | 0.58 | 0.26 | 0.13 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.08 | 0.72 | 1.58 | 20.66 | 10.66 | 26.39 | 36.81 | 2.50 | 1.10 | 0.63 | 0.04 | 0.00 | 102.19 | MCM |

Momentary Peak 52.50 CMS. at 11.60 m. (MSL.) at 09.00 Hours , on Oct 13, 2006

Runoff Yield 15.95 Liters/Second/Square KM. Momentary Peak Yield 258.37 Liters/Second/Square KM.

## WATER YEAR : 2006

## BANG PAKONG RIVER BASIN

### Khlong Samo Pun at Ban Noen Hom , Prachin Buri (Ny.4)

Lat 14 - 17 - 27 N Long 101 - 24 - 25 E

**Location : on left bank at the bridge of Prachin Buri - Khao Yai Highway.**

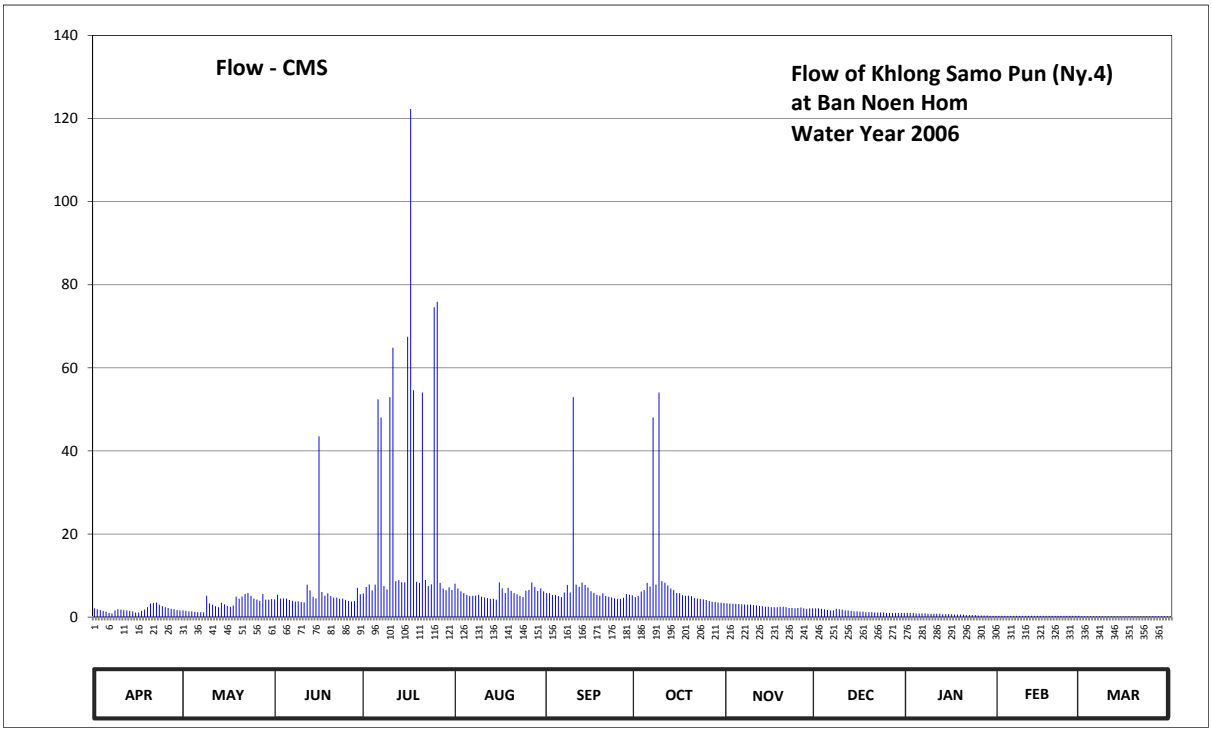
**Ban** Noen Hom **Amphoe** Mueang **Changwat** Prachin Buri

| | |
|---|---|
| **Drainge Area** | 128 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +376.100 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +382.580 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1986 to date |
| **Rating Operation** | |
| **Period of Rating** | 1986 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1986 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 17 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 376.51 | 376.46 | 376.88 | 377.18 | 377.69 | 377.20 | 376.99 | 376.67 | 376.51 | 376.40 | 376.33 | 376.32 | |
| 2 | 376.49 | 376.45 | 377.12 | 377.52 | 377.44 | 377.20 | 377.05 | 376.66 | 376.51 | 376.40 | 376.33 | 376.32 | |
| 3 | 376.47 | 376.44 | 376.92 | 377.65 | 377.29 | 377.10 | 377.28 | 376.65 | 376.50 | 376.40 | 376.33 | 376.32 | |
| 4 | 376.45 | 376.44 | 376.93 | 377.34 | 377.20 | 377.10 | 377.36 | 376.64 | 376.49 | 376.39 | 376.33 | 376.32 | |
| 5 | 376.43 | 376.43 | 376.92 | 377.64 | 377.11 | 377.05 | 377.73 | 376.63 | 376.47 | 376.39 | 376.33 | 376.32 | |
| 6 | 376.40 | 376.42 | 376.84 | 378.08 | 377.04 | 376.99 | 377.54 | 376.62 | 376.46 | 376.39 | 376.33 | 376.32 | |
| 7 | 376.39 | 376.42 | 376.80 | 378.00 | 377.06 | 377.23 | 378.00 | 376.61 | 376.46 | 376.39 | 376.33 | 376.32 | |
| 8 | 376.46 | 376.41 | 376.76 | 377.57 | 377.07 | 377.63 | 377.64 | 376.60 | 376.50 | 376.38 | 376.33 | 376.32 | |
| 9 | 376.49 | 377.07 | 376.77 | 377.39 | 377.12 | 377.23 | 378.11 | 376.60 | 376.49 | 376.38 | 376.33 | 376.32 | |
| 10 | 376.48 | 376.66 | 376.73 | 378.09 | 377.02 | 378.09 | 377.83 | 376.59 | 376.48 | 376.38 | 376.33 | 376.32 | |
| 11 | 376.47 | 376.60 | 376.72 | 378.29 | 376.98 | 377.64 | 377.74 | 376.58 | 376.46 | 376.38 | 376.33 | 376.32 | |
| 12 | 376.46 | 376.56 | 377.64 | 377.82 | 376.94 | 377.53 | 377.60 | 376.57 | 376.46 | 376.38 | 376.33 | 376.32 | |
| 13 | 376.45 | 376.54 | 377.34 | 377.88 | 376.90 | 377.75 | 377.44 | 376.56 | 376.45 | 376.37 | 376.33 | 376.32 | |
| 14 | 376.44 | 376.70 | 377.01 | 377.77 | 376.91 | 377.63 | 377.36 | 376.55 | 376.44 | 376.37 | 376.33 | 376.32 | |
| 15 | 376.41 | 376.62 | 376.93 | 377.76 | 376.86 | 377.49 | 377.21 | 376.55 | 376.44 | 376.37 | 376.33 | 376.32 | |
| 16 | 376.41 | 376.57 | 377.91 | 378.33 | 377.76 | 377.30 | 377.19 | 376.54 | 376.43 | 376.37 | 376.33 | 376.32 | |
| 17 | 376.45 | 376.55 | 377.26 | 379.07 | 377.45 | 377.21 | 377.09 | 376.54 | 376.43 | 376.36 | 376.33 | 376.32 | |
| 18 | 376.48 | 376.58 | 377.07 | 378.12 | 377.20 | 377.11 | 377.06 | 376.54 | 376.42 | 376.36 | 376.33 | 376.32 | |
| 19 | 376.54 | 377.02 | 377.19 | 377.79 | 377.48 | 377.07 | 377.07 | 376.55 | 376.42 | 376.36 | 376.33 | 376.32 | |
| 20 | 376.66 | 376.91 | 377.05 | 377.73 | 377.32 | 377.19 | 377.04 | 376.55 | 376.42 | 376.36 | 376.33 | 376.32 | |
| 21 | 376.69 | 377.03 | 376.97 | 378.11 | 377.20 | 377.05 | 376.95 | 376.54 | 376.41 | 376.35 | 376.33 | 376.32 | |
| 22 | 376.71 | 377.16 | 376.97 | 377.89 | 377.13 | 377.01 | 376.92 | 376.52 | 376.41 | 376.35 | 376.33 | 376.32 | |
| 23 | 376.60 | 377.21 | 376.90 | 377.57 | 377.06 | 376.98 | 376.90 | 376.52 | 376.41 | 376.35 | 376.33 | 376.32 | |
| 24 | 376.56 | 377.06 | 376.92 | 377.66 | 377.00 | 376.93 | 376.88 | 376.51 | 376.41 | 376.35 | 376.33 | 376.32 | |
| 25 | 376.54 | 376.92 | 376.85 | 378.44 | 377.33 | 376.90 | 376.84 | 376.52 | 376.40 | 376.34 | 376.33 | 376.32 | |
| 26 | 376.52 | 376.87 | 376.79 | 378.46 | 377.37 | 376.90 | 376.79 | 376.53 | 376.40 | 376.34 | 376.33 | 376.32 | |
| 27 | 376.50 | 376.80 | 376.76 | 377.73 | 377.76 | 376.96 | 376.75 | 376.51 | 376.40 | 376.34 | 376.33 | 376.32 | |
| 28 | 376.49 | 377.15 | 376.78 | 377.44 | 377.52 | 377.15 | 376.74 | 376.50 | 376.40 | 376.34 | 376.33 | 376.32 | |
| 29 | 376.47 | 376.86 | 377.48 | 377.35 | 377.31 | 377.12 | 376.71 | 376.51 | 376.40 | 376.33 | | 376.32 | |
| 30 | 376.46 | 376.86 | 377.14 | 377.50 | 377.45 | 377.08 | 376.70 | 376.51 | 376.40 | 376.33 | | 376.32 | |
| 31 | | 376.89 | | 377.36 | 377.29 | | 376.68 | | 376.40 | 376.33 | | 376.32 | |
| Mean | 376.50 | 376.73 | 377.01 | 377.82 | 377.23 | 377.23 | 377.20 | 376.57 | 376.44 | 376.37 | 376.33 | 376.32 | |
| Max | 376.71 | 377.21 | 377.91 | 379.07 | 377.76 | 378.09 | 378.11 | 376.67 | 376.51 | 376.40 | 376.33 | 376.32 | 379.07 |
| Min | 376.39 | 376.41 | 376.72 | 377.18 | 376.86 | 376.90 | 376.68 | 376.50 | 376.40 | 376.33 | 376.33 | 376.32 | 376.32 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 380.06 | m. (MSL.) , | at 23.00 Hours , on Jul 16, 2006 | | |
| Zero Gage at Bottom Elevation | 376.10 | m. (MSL.) , | River Bed | 374.71 | m. (MSL.) |
| Left Bank Elevation | 383.00 | m. (MSL.) , | | | |
| Right Bank Elevation | 384.02 | m. (MSL.) , | Drainage Are | 128 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.10 | 1.60 | 4.29 | 5.68 | 8.03 | 5.77 | 4.80 | 3.32 | 2.10 | 1.00 | 0.30 | 0.20 | | |
| 2 | 1.90 | 1.50 | 5.40 | 7.25 | 6.88 | 5.77 | 5.08 | 3.28 | 2.10 | 1.00 | 0.30 | 0.20 | | |
| 3 | 1.70 | 1.40 | 4.48 | 7.85 | 6.18 | 5.31 | 6.14 | 3.23 | 2.00 | 1.00 | 0.30 | 0.20 | | |
| 4 | 1.50 | 1.40 | 4.52 | 6.42 | 5.77 | 5.31 | 6.51 | 3.18 | 1.90 | 0.90 | 0.30 | 0.20 | | |
| 5 | 1.30 | 1.30 | 4.48 | 7.80 | 5.35 | 5.08 | 8.22 | 3.14 | 1.70 | 0.90 | 0.30 | 0.20 | | |
| 6 | 1.00 | 1.20 | 4.11 | 52.40 | 5.03 | 4.80 | 7.34 | 3.09 | 1.60 | 0.90 | 0.30 | 0.20 | | |
| 7 | 0.90 | 1.20 | 3.92 | 48.00 | 5.12 | 5.91 | 48.00 | 3.05 | 1.60 | 0.90 | 0.30 | 0.20 | | |
| 8 | 1.60 | 1.10 | 3.74 | 7.48 | 5.17 | 7.75 | 7.80 | 3.00 | 2.00 | 0.80 | 0.30 | 0.20 | | |
| 9 | 1.90 | 5.17 | 3.78 | 6.65 | 5.40 | 5.91 | 54.05 | 3.00 | 1.90 | 0.80 | 0.30 | 0.20 | | |
| 10 | 1.80 | 3.28 | 3.60 | 52.95 | 4.94 | 52.95 | 8.68 | 2.90 | 1.80 | 0.80 | 0.30 | 0.20 | | |
| 11 | 1.70 | 3.00 | 3.55 | 64.85 | 4.75 | 7.80 | 8.26 | 2.80 | 1.60 | 0.80 | 0.30 | 0.20 | | |
| 12 | 1.60 | 2.60 | 7.80 | 8.63 | 4.57 | 7.29 | 7.62 | 2.70 | 1.60 | 0.80 | 0.30 | 0.20 | | |
| 13 | 1.50 | 2.40 | 6.42 | 8.91 | 4.38 | 8.31 | 6.88 | 2.60 | 1.50 | 0.70 | 0.30 | 0.20 | | |
| 14 | 1.40 | 3.46 | 4.89 | 8.40 | 4.43 | 7.75 | 6.51 | 2.50 | 1.40 | 0.70 | 0.30 | 0.20 | | |
| 15 | 1.10 | 3.09 | 4.52 | 8.35 | 4.20 | 7.11 | 5.82 | 2.50 | 1.40 | 0.70 | 0.30 | 0.20 | | |
| 16 | 1.10 | 2.70 | 43.50 | 67.45 | 8.35 | 6.23 | 5.72 | 2.40 | 1.30 | 0.70 | 0.30 | 0.20 | | |
| 17 | 1.50 | 2.50 | 6.05 | 122.30 | 6.92 | 5.82 | 5.26 | 2.40 | 1.30 | 0.60 | 0.30 | 0.20 | | |
| 18 | 1.80 | 2.80 | 5.17 | 54.60 | 5.77 | 5.35 | 5.12 | 2.40 | 1.20 | 0.60 | 0.30 | 0.20 | | |
| 19 | 2.40 | 4.94 | 5.72 | 8.49 | 7.06 | 5.17 | 5.17 | 2.50 | 1.20 | 0.60 | 0.30 | 0.20 | | |
| 20 | 3.28 | 4.43 | 5.08 | 8.22 | 6.32 | 5.72 | 5.03 | 2.50 | 1.20 | 0.60 | 0.30 | 0.20 | | |
| 21 | 3.42 | 4.98 | 4.71 | 54.05 | 5.77 | 5.08 | 4.62 | 2.40 | 1.10 | 0.50 | 0.30 | 0.20 | | |
| 22 | 3.51 | 5.58 | 4.71 | 8.95 | 5.45 | 4.89 | 4.48 | 2.20 | 1.10 | 0.50 | 0.30 | 0.20 | | |
| 23 | 3.00 | 5.82 | 4.38 | 7.48 | 5.12 | 4.75 | 4.38 | 2.20 | 1.10 | 0.50 | 0.30 | 0.20 | | |
| 24 | 2.60 | 5.12 | 4.48 | 7.89 | 4.85 | 4.52 | 4.29 | 2.10 | 1.10 | 0.50 | 0.30 | 0.20 | | |
| 25 | 2.40 | 4.48 | 4.15 | 74.60 | 6.37 | 4.38 | 4.11 | 2.20 | 1.00 | 0.40 | 0.30 | 0.20 | | |
| 26 | 2.20 | 4.25 | 3.88 | 75.90 | 6.55 | 4.38 | 3.88 | 2.30 | 1.00 | 0.40 | 0.30 | 0.20 | | |
| 27 | 2.00 | 3.92 | 3.74 | 8.22 | 8.35 | 4.66 | 3.69 | 2.10 | 1.00 | 0.40 | 0.30 | 0.20 | | |
| 28 | 1.90 | 5.54 | 3.83 | 6.88 | 7.25 | 5.54 | 3.65 | 2.00 | 1.00 | 0.40 | 0.30 | 0.20 | | |
| 29 | 1.70 | 4.20 | 7.06 | 6.46 | 6.28 | 5.40 | 3.51 | 2.10 | 1.00 | 0.30 | | 0.20 | | |
| 30 | 1.60 | 4.20 | 5.49 | 7.15 | 6.92 | 5.22 | 3.46 | 2.10 | 1.00 | 0.30 | | 0.20 | | |
| 31 | | 4.34 | | 6.51 | 6.18 | | 3.37 | | 1.00 | 0.30 | | 0.20 | | |
| Total | 57.41 | 103.50 | 181.00 45 | 826 .77 | 18 | 3.71 | 219.93 | 261.45 | 78.19 | 43.80 | 20.30 | 8.40 | 6.20 | CMSDAY |
| Mean | 1.91 | 3.34 | 6.05 | 26.67 | 5.93 | 7.33 | 8.43 | 2.61 | 1.41 | 0.65 | 0.30 | 0.20 | 5.46 | CMS |
| Max | 3.51 | 5.82 | 43.50 | 122.30 | 8.35 | 52.95 | 54.05 | 3.32 | 2.10 | 1.00 | 0.30 | 0.20 | 122.30 | CMS |
| Min | 0.90 | 1.10 | 3.55 | 5.68 | 4.20 | 4.38 | 3.37 | 2.00 | 1.00 | 0.30 | 0.30 | 0.20 | 0.20 | CMS |
| Runoff | 4.96 | 8.94 | 15.60 77 | 71. 433 | 15 | 0.87 | 19.00 | 22.59 | 6.76 | 3.78 | 1.75 | 0.73 | 0.54 | MCM |

Momentary Peak 231.40 CMS. at 380.06 m. (MSL.) at 23.00 Hours , on Jul 16, 2006

Runoff Yield 42.55 Liters/Second/Square KM. Momentary Peak Yield 1805.13 Liters/Second/Square KM.

## WATER YEAR : 2006

## BANG PAKONG RIVER BASIN

### Upper Khlong Ban Na at Ban Cha Om, Saraburi (Ny.6)

Lat 14 - 24 - 34 N Long 101 - 07 - 30 E

**Location : on right bank about 50 meters from the top staff gage.**

**Ban** Cha Om **Amphoe** Kaeng Khoi **Changwat** Saraburi

| | |
|---|---|
| **Drainge Area** | 126 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +29.600 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 50 meters from the top staff gage. **Elevation** +34.960 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1988 to date |
| **Rating Operation** | |
| **Period of Rating** | 1988 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1988 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

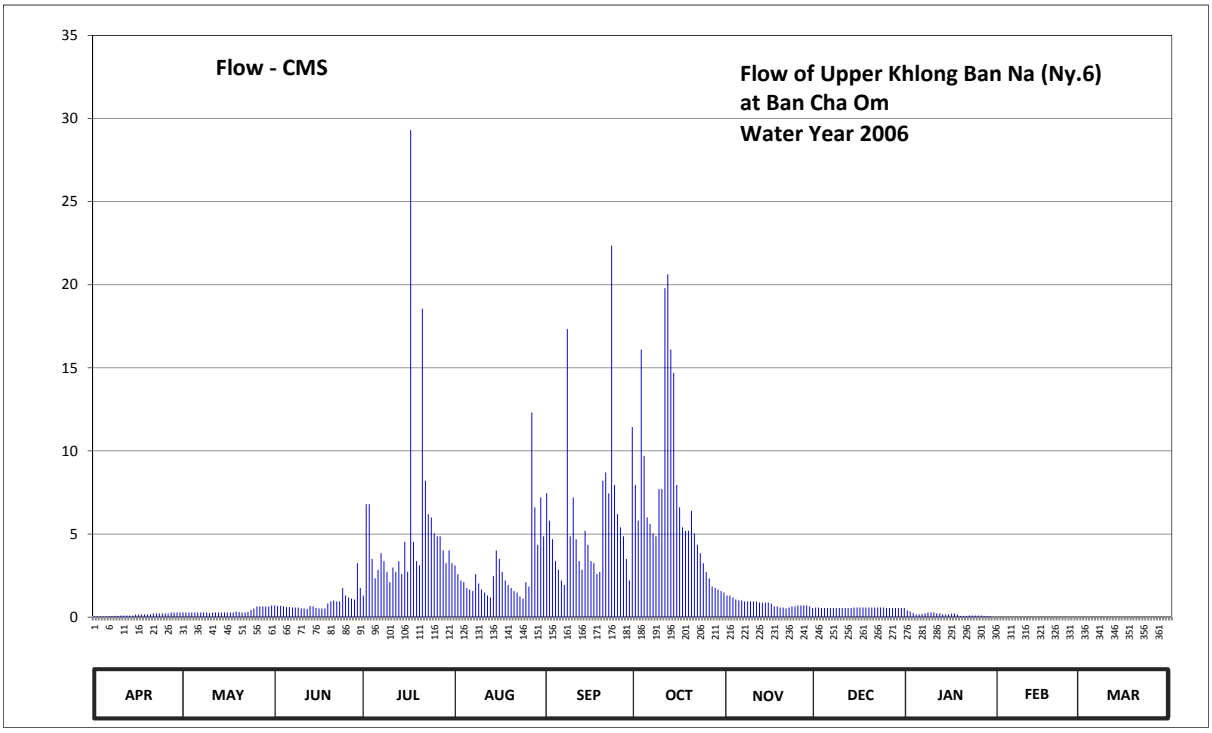
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.94 | 31.06 | 31.20 | 31.30 | 31.47 | 31.71 | 31.73 | 31.30 | 31.16 | 31.10 | 31.00 | 31.56 | |
| 2 | 30.94 | 31.06 | 31.19 | 31.68 | 31.43 | 31.63 | 31.63 | 31.30 | 31.16 | 31.08 | 31.02 | 31.56 | |
| 3 | 30.94 | 31.06 | 31.19 | 31.68 | 31.40 | 31.57 | 32.00 | 31.28 | 31.15 | 31.05 | 31.03 | 31.56 | |
| 4 | 30.94 | 31.06 | 31.18 | 31.50 | 31.39 | 31.49 | 31.80 | 31.26 | 31.15 | 31.02 | 31.15 | 31.56 | |
| 5 | 30.94 | 31.06 | 31.17 | 31.41 | 31.35 | 31.45 | 31.64 | 31.25 | 31.15 | 31.02 | 31.40 | 31.56 | |
| 6 | 30.96 | 31.06 | 31.17 | 31.45 | 31.34 | 31.40 | 31.62 | 31.25 | 31.15 | 31.03 | 31.38 | 31.56 | |
| 7 | 30.96 | 31.06 | 31.16 | 31.52 | 31.33 | 31.37 | 31.59 | 31.24 | 31.15 | 31.04 | 31.39 | 31.56 | |
| 8 | 30.98 | 31.06 | 31.16 | 31.49 | 31.43 | 32.03 | 31.58 | 31.24 | 31.15 | 31.06 | 31.43 | 31.55 | |
| 9 | 30.98 | 31.06 | 31.16 | 31.44 | 31.38 | 31.58 | 31.72 | 31.24 | 31.15 | 31.06 | 31.52 | 31.55 | |
| 10 | 31.00 | 31.05 | 31.14 | 31.39 | 31.34 | 31.70 | 31.72 | 31.24 | 31.15 | 31.06 | 31.54 | 31.55 | |
| 11 | 31.00 | 31.06 | 31.14 | 31.46 | 31.32 | 31.57 | 32.09 | 31.24 | 31.15 | 31.04 | 31.58 | 31.55 | |
| 12 | 31.00 | 31.06 | 31.13 | 31.44 | 31.30 | 31.49 | 32.11 | 31.23 | 31.15 | 31.04 | 31.60 | 31.55 | |
| 13 | 31.00 | 31.06 | 31.19 | 31.49 | 31.28 | 31.45 | 32.00 | 31.23 | 31.15 | 31.02 | 31.60 | 31.55 | |
| 14 | 31.00 | 31.06 | 31.18 | 31.43 | 31.42 | 31.60 | 31.96 | 31.23 | 31.16 | 31.02 | 31.60 | 31.55 | |
| 15 | 31.02 | 31.06 | 31.15 | 31.56 | 31.53 | 31.55 | 31.73 | 31.23 | 31.16 | 31.02 | 31.60 | 31.55 | |
| 16 | 31.02 | 31.06 | 31.14 | 31.44 | 31.50 | 31.49 | 31.67 | 31.22 | 31.16 | 31.04 | 31.60 | 31.52 | |
| 17 | 31.02 | 31.06 | 31.14 | 32.30 | 31.44 | 31.48 | 31.61 | 31.18 | 31.16 | 31.04 | 31.60 | 31.52 | |
| 18 | 31.02 | 31.06 | 31.14 | 31.56 | 31.40 | 31.43 | 31.60 | 31.18 | 31.16 | 31.02 | 31.60 | 31.52 | |
| 19 | 31.02 | 31.08 | 31.22 | 31.49 | 31.37 | 31.44 | 31.60 | 31.16 | 31.16 | 30.98 | 31.60 | 31.48 | |
| 20 | 31.02 | 31.07 | 31.24 | 31.47 | 31.35 | 31.74 | 31.66 | 31.16 | 31.16 | 30.98 | 31.58 | 31.48 | |
| 21 | 31.04 | 31.06 | 31.25 | 32.06 | 31.33 | 31.76 | 31.59 | 31.14 | 31.16 | 30.98 | 31.58 | 31.48 | |
| 22 | 31.04 | 31.06 | 31.24 | 31.74 | 31.32 | 31.71 | 31.55 | 31.16 | 31.16 | 31.00 | 31.58 | 31.48 | |
| 23 | 31.04 | 31.07 | 31.24 | 31.65 | 31.29 | 32.15 | 31.52 | 31.18 | 31.16 | 31.00 | 31.58 | 31.48 | |
| 24 | 31.04 | 31.11 | 31.35 | 31.64 | 31.27 | 31.73 | 31.48 | 31.18 | 31.16 | 31.00 | 31.58 | 31.48 | |
| 25 | 31.04 | 31.14 | 31.30 | 31.59 | 31.39 | 31.65 | 31.44 | 31.20 | 31.15 | 31.00 | 31.58 | 31.48 | |
| 26 | 31.04 | 31.18 | 31.28 | 31.58 | 31.36 | 31.61 | 31.41 | 31.20 | 31.15 | 31.00 | 31.58 | 31.48 | |
| 27 | 31.06 | 31.18 | 31.27 | 31.58 | 31.89 | 31.58 | 31.36 | 31.20 | 31.15 | 30.98 | 31.58 | 31.46 | |
| 28 | 31.06 | 31.18 | 31.26 | 31.53 | 31.67 | 31.50 | 31.35 | 31.20 | 31.15 | 30.96 | 31.58 | 31.46 | |
| 29 | 31.06 | 31.18 | 31.48 | 31.48 | 31.55 | 31.40 | 31.34 | 31.18 | 31.15 | 30.96 | | 31.44 | |
| 30 | 31.06 | 31.18 | 31.35 | 31.53 | 31.70 | 31.86 | 31.33 | 31.15 | 31.15 | 30.98 | | 31.42 | |
| 31 | | 31.20 | | 31.48 | 31.58 | | 31.32 | | 31.15 | 30.98 | | 31.42 | |
| Mean | 31.01 | 31.09 | 31.21 | 31.56 | 31.42 | 31.60 | 31.64 | 31.21 | 31.15 | 31.02 | 31.48 | 31.51 | |
| Max | 31.06 | 31.20 | 31.48 | 32.30 | 31.89 | 32.15 | 32.11 | 31.30 | 31.16 | 31.10 | 31.60 | 31.56 | 32.30 |
| Min | 30.94 | 31.05 | 31.13 | 31.30 | 31.27 | 31.37 | 31.32 | 31.14 | 31.15 | 30.96 | 31.00 | 31.42 | 30.94 |

Annual Max Momentary Gage Height 33.08 m. (MSL.) , at 06.00 Hours , on Jul 17, 2006

Zero Gage at Bottom Elevation 29.60 m. (MSL.) , River Bed 30.82 m. (MSL.)

Left Bank Elevation 34.81 m. (MSL.) ,

Right Bank Elevation 34.79 m. (MSL.) , Drainage Are 126 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.04 | 0.28 | 0.70 | 1.30 | 3.11 | 7.45 | 7.95 | 1.30 | 0.58 | 0.40 | 0.00 | 0.00 | | |
| 2 | 0.04 | 0.28 | 0.67 | 6.80 | 2.59 | 5.80 | 5.80 | 1.30 | 0.58 | 0.34 | 0.00 | 0.00 | | |
| 3 | 0.04 | 0.28 | 0.67 | 6.80 | 2.20 | 4.69 | 16.10 | 1.18 | 0.55 | 0.25 | 0.00 | 0.00 | | |
| 4 | 0.04 | 0.28 | 0.64 | 3.50 | 2.11 | 3.37 | 9.70 | 1.06 | 0.55 | 0.16 | 0.00 | 0.00 | | |
| 5 | 0.04 | 0.28 | 0.61 | 2.33 | 1.75 | 2.85 | 6.00 | 1.00 | 0.55 | 0.16 | 0.00 | 0.00 | | |
| 6 | 0.06 | 0.28 | 0.61 | 2.85 | 1.66 | 2.20 | 5.60 | 1.00 | 0.55 | 0.19 | 0.00 | 0.00 | | |
| 7 | 0.06 | 0.28 | 0.58 | 3.84 | 1.57 | 1.93 | 5.03 | 0.94 | 0.55 | 0.22 | 0.00 | 0.00 | | |
| 8 | 0.08 | 0.28 | 0.58 | 3.37 | 2.59 | 17.33 | 4.86 | 0.94 | 0.55 | 0.28 | 0.00 | 0.00 | | |
| 9 | 0.08 | 0.28 | 0.58 | 2.72 | 2.02 | 4.86 | 7.70 | 0.94 | 0.55 | 0.28 | 0.00 | 0.00 | | |
| 10 | 0.10 | 0.25 | 0.52 | 2.11 | 1.66 | 7.20 | 7.70 | 0.94 | 0.55 | 0.28 | 0.00 | 0.00 | | |
| 11 | 0.10 | 0.28 | 0.52 | 2.98 | 1.48 | 4.69 | 19.79 | 0.94 | 0.55 | 0.22 | 0.00 | 0.00 | | |
| 12 | 0.10 | 0.28 | 0.49 | 2.72 | 1.30 | 3.37 | 20.63 | 0.88 | 0.55 | 0.22 | 0.00 | 0.00 | | |
| 13 | 0.10 | 0.28 | 0.67 | 3.37 | 1.18 | 2.85 | 16.10 | 0.88 | 0.55 | 0.16 | 0.00 | 0.00 | | |
| 14 | 0.10 | 0.28 | 0.64 | 2.59 | 2.46 | 5.20 | 14.70 | 0.88 | 0.58 | 0.16 | 0.00 | 0.00 | | |
| 15 | 0.16 | 0.28 | 0.55 | 4.52 | 4.01 | 4.35 | 7.95 | 0.88 | 0.58 | 0.16 | 0.00 | 0.00 | | |
| 16 | 0.16 | 0.28 | 0.52 | 2.72 | 3.50 | 3.37 | 6.60 | 0.82 | 0.58 | 0.22 | 0.00 | 0.00 | | |
| 17 | 0.16 | 0.28 | 0.52 | 29.30 | 2.72 | 3.24 | 5.40 | 0.64 | 0.58 | 0.22 | 0.00 | 0.00 | | |
| 18 | 0.16 | 0.28 | 0.52 | 4.52 | 2.20 | 2.59 | 5.20 | 0.64 | 0.58 | 0.16 | 0.00 | 0.00 | | |
| 19 | 0.16 | 0.34 | 0.82 | 3.37 | 1.93 | 2.72 | 5.20 | 0.58 | 0.58 | 0.08 | 0.00 | 0.00 | | |
| 20 | 0.16 | 0.31 | 0.94 | 3.11 | 1.75 | 8.20 | 6.40 | 0.58 | 0.58 | 0.08 | 0.00 | 0.00 | | |
| 21 | 0.22 | 0.28 | 1.00 | 18.56 | 1.57 | 8.70 | 5.03 | 0.52 | 0.58 | 0.08 | 0.00 | 0.00 | | |
| 22 | 0.22 | 0.28 | 0.94 | 8.20 | 1.48 | 7.45 | 4.35 | 0.58 | 0.58 | 0.10 | 0.00 | 0.00 | | |
| 23 | 0.22 | 0.31 | 0.94 | 6.20 | 1.24 | 22.35 | 3.84 | 0.64 | 0.58 | 0.10 | 0.00 | 0.00 | | |
| 24 | 0.22 | 0.43 | 1.75 | 6.00 | 1.12 | 7.95 | 3.24 | 0.64 | 0.58 | 0.10 | 0.00 | 0.00 | | |
| 25 | 0.22 | 0.52 | 1.30 | 5.03 | 2.11 | 6.20 | 2.72 | 0.70 | 0.55 | 0.10 | 0.00 | 0.00 | | |
| 26 | 0.22 | 0.64 | 1.18 | 4.86 | 1.84 | 5.40 | 2.33 | 0.70 | 0.55 | 0.10 | 0.00 | 0.00 | | |
| 27 | 0.28 | 0.64 | 1.12 | 4.86 | 12.31 | 4.86 | 1.84 | 0.70 | 0.55 | 0.08 | 0.00 | 0.00 | | |
| 28 | 0.28 | 0.64 | 1.06 | 4.01 | 6.60 | 3.50 | 1.75 | 0.70 | 0.55 | 0.06 | 0.00 | 0.00 | | |
| 29 | 0.28 | 0.64 | 3.24 | 3.24 | 4.35 | 2.20 | 1.66 | 0.64 | 0.55 | 0.06 | | 0.00 | | |
| 30 | 0.28 | 0.64 | 1.75 | 4.01 | 7.20 | 11.44 | 1.57 | 0.55 | 0.55 | 0.00 | | 0.00 | | |
| 31 | | 0.70 | | 3.24 | 4.86 | | 1.48 | | 0.55 | 0.00 | | 0.00 | | |
| Total | 4.38 | 11.38 | 26.63 | 163.03 | 88.47 | 178.31 | 214.22 | 24.69 | 17.44 | 5.02 | 0.00 | 0.00 | 733.57 | CMSDAY |
| Mean | 0.15 | 0.37 | 0.89 | 5.26 | 2.85 | 5.94 | 6.91 | 0.82 | 0.56 | 0.16 | 0.00 | 0.00 | 2.01 | CMS |
| Max | 0.28 | 0.70 | 3.24 | 29.30 | 12.31 | 22.35 | 20.63 | 1.30 | 0.58 | 0.40 | 0.00 | 0.00 | 29.30 | CMS |
| Min | 0.04 | 0.25 | 0.49 | 1.30 | 1.12 | 1.93 | 1.48 | 0.52 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.38 | 0.98 | 2.30 | 14.09 | 7.64 | 15.41 | 18.51 | 2.13 | 1.51 | 0.43 | 0.00 | 0.00 | 63.38 | MCM |

Momentary Peak 84.70 CMS. at 33.08 m. (MSL.) at 06.00 Hours , on Jul 17, 2006

Runoff Yield 15.92 Liters/Second/Square KM. Momentary Peak Yield 671.00 Liters/Second/Square KM.

## WATER YEAR : 2006

## TONLE SAP BASIN

### Khlong Phra Phut at Ban Pang Ngon , Chanthaburi (TI.3)

Lat 12 - 58 - 12 N Long 102 - 17 - 20 E

**Location : on left bank downstream from the bridge of Pong Nam Ron -Wang Nam Yen Highway.**

**Ban** Pang Ngon **Amphoe** Pong Nam Ron **Changwat** Chanthaburi

| | |
|---|---|
| **Drainge Area** | 71 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +190.675 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 6 meters from the top staff gage. **Elevation** +195.973 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1983 to date |
| **Rating Operation** | |
| **Period of Rating** | 1986 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1986 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the local weir.<br>Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

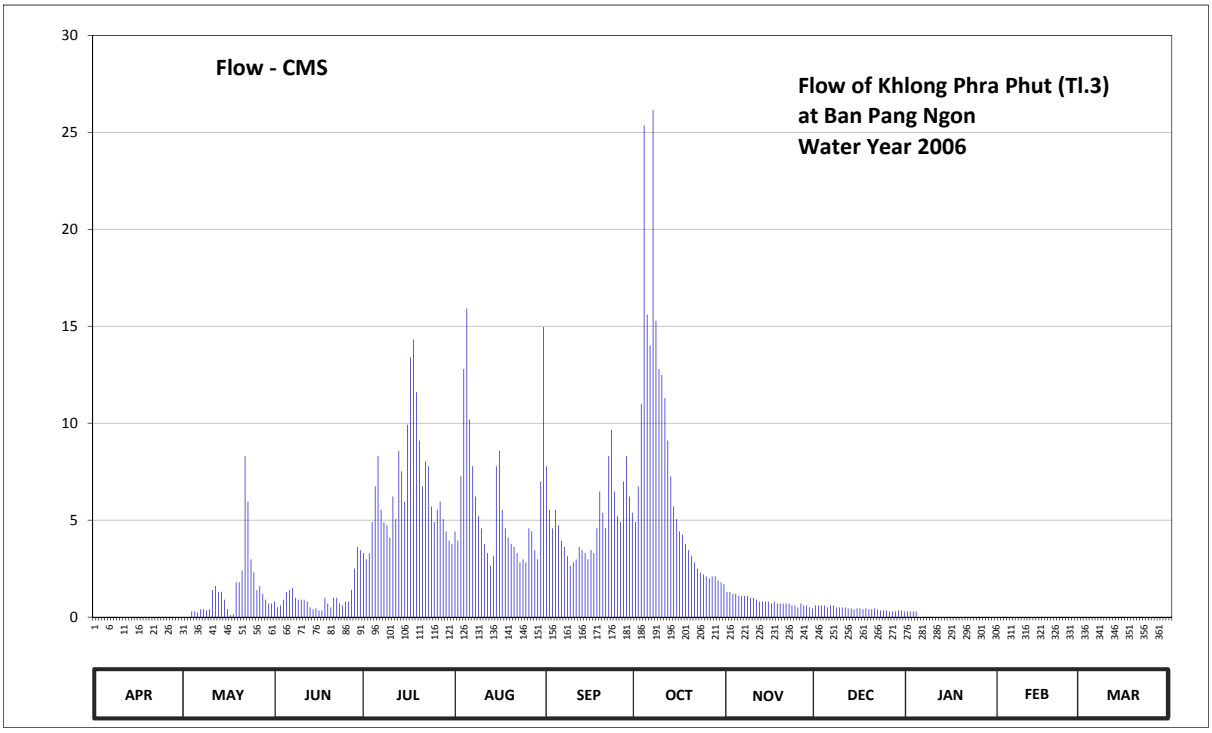
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 191.09 | 191.01 | 191.03 | 191.25 | 191.32 | 191.48 | 191.35 | 191.08 | 191.01 | 190.96 | 191.07 | 191.06 | |
| 2 | 191.08 | 190.99 | 191.00 | 191.23 | 191.29 | 191.39 | 191.44 | 191.08 | 191.01 | 190.96 | 191.07 | 191.02 | |
| 3 | 191.07 | 190.97 | 191.01 | 191.25 | 191.46 | 191.33 | 191.60 | 191.07 | 191.01 | 190.96 | 191.06 | 191.01 | |
| 4 | 191.08 | 190.96 | 191.04 | 191.35 | 191.66 | 191.39 | 192.03 | 191.07 | 191.01 | 190.96 | 191.06 | 190.98 | |
| 5 | 191.08 | 190.96 | 191.08 | 191.44 | 191.76 | 191.34 | 191.75 | 191.06 | 191.00 | 190.97 | 191.04 | 190.98 | |
| 6 | 191.08 | 190.95 | 191.09 | 191.50 | 191.57 | 191.29 | 191.70 | 191.06 | 191.01 | 190.97 | 191.03 | 190.96 | |
| 7 | 191.04 | 190.98 | 191.10 | 191.39 | 191.48 | 191.27 | 192.05 | 191.06 | 191.01 | 191.00 | 191.03 | 190.95 | |
| 8 | 191.04 | 190.98 | 191.05 | 191.35 | 191.42 | 191.24 | 191.74 | 191.06 | 191.00 | 191.06 | 191.07 | 190.88 | |
| 9 | 191.01 | 190.97 | 191.04 | 191.34 | 191.37 | 191.21 | 191.66 | 191.05 | 191.00 | 191.06 | 191.05 | 190.87 | |
| 10 | 191.08 | 190.98 | 191.04 | 191.30 | 191.33 | 191.22 | 191.65 | 191.05 | 191.00 | 191.09 | 191.02 | 190.87 | |
| 11 | 191.07 | 191.09 | 191.04 | 191.42 | 191.28 | 191.23 | 191.61 | 191.04 | 191.00 | 191.10 | 191.03 | 190.87 | |
| 12 | 191.05 | 191.11 | 191.03 | 191.36 | 191.25 | 191.27 | 191.53 | 191.03 | 190.99 | 191.11 | 191.00 | 190.87 | |
| 13 | 191.05 | 191.08 | 191.00 | 191.51 | 191.21 | 191.26 | 191.46 | 191.03 | 190.99 | 191.11 | 191.00 | 190.88 | |
| 14 | 191.03 | 191.08 | 190.98 | 191.47 | 191.24 | 191.25 | 191.40 | 191.03 | 190.98 | 191.11 | 190.99 | 190.88 | |
| 15 | 191.01 | 191.04 | 190.99 | 191.41 | 191.48 | 191.23 | 191.36 | 191.03 | 190.99 | 191.11 | 191.00 | 190.88 | |
| 16 | 191.00 | 190.98 | 190.97 | 191.56 | 191.51 | 191.26 | 191.32 | 191.02 | 190.99 | 191.10 | 191.00 | 190.88 | |
| 17 | 191.03 | 190.92 | 190.97 | 191.68 | 191.39 | 191.25 | 191.31 | 191.03 | 190.98 | 191.10 | 190.99 | 190.85 | |
| 18 | 191.03 | 190.93 | 191.05 | 191.71 | 191.33 | 191.33 | 191.28 | 191.02 | 190.99 | 191.09 | 190.98 | 190.84 | |
| 19 | 191.06 | 191.13 | 191.02 | 191.62 | 191.30 | 191.43 | 191.26 | 191.02 | 190.98 | 191.09 | 190.87 | 190.84 | |
| 20 | 191.08 | 191.13 | 191.00 | 191.53 | 191.28 | 191.38 | 191.24 | 191.02 | 190.98 | 191.10 | 190.85 | 190.97 | |
| 21 | 191.06 | 191.19 | 191.05 | 191.44 | 191.27 | 191.33 | 191.22 | 191.02 | 190.99 | 191.11 | 190.85 | 190.97 | |
| 22 | 191.04 | 191.50 | 191.05 | 191.49 | 191.25 | 191.50 | 191.20 | 191.02 | 190.98 | 191.12 | 190.97 | 190.93 | |
| 23 | 191.06 | 191.41 | 191.02 | 191.48 | 191.22 | 191.55 | 191.18 | 191.01 | 190.97 | 191.13 | 191.05 | 190.93 | |
| 24 | 191.05 | 191.23 | 191.01 | 191.40 | 191.23 | 191.43 | 191.17 | 191.01 | 190.97 | 191.07 | 191.06 | 190.97 | |
| 25 | 191.02 | 191.18 | 191.03 | 191.35 | 191.22 | 191.37 | 191.16 | 191.00 | 190.97 | 191.05 | 191.03 | 191.00 | |
| 26 | 191.04 | 191.09 | 191.03 | 191.39 | 191.33 | 191.35 | 191.15 | 191.02 | 190.96 | 191.07 | 191.03 | 190.97 | |
| 27 | 191.00 | 191.11 | 191.09 | 191.41 | 191.32 | 191.45 | 191.16 | 191.01 | 190.96 | 191.08 | 191.07 | 190.92 | |
| 28 | 190.99 | 191.07 | 191.20 | 191.36 | 191.26 | 191.50 | 191.16 | 191.01 | 190.96 | 191.06 | 191.05 | 190.90 | |
| 29 | 190.99 | 191.04 | 191.27 | 191.32 | 191.23 | 191.42 | 191.14 | 191.00 | 190.97 | 191.07 | | 190.91 | |
| 30 | 190.99 | 191.02 | 191.26 | 191.29 | 191.45 | 191.38 | 191.13 | 190.99 | 190.97 | 191.06 | | 190.90 | |
| 31 | | 191.02 | | 191.28 | 191.73 | | 191.12 | | 190.96 | 191.05 | | 190.91 | |
| Mean | 191.04 | 191.07 | 191.05 | 191.42 | 191.37 | 191.34 | 191.40 | 191.03 | 190.99 | 191.06 | 191.01 | 190.92 | |
| Max | 191.09 | 191.50 | 191.27 | 191.71 | 191.76 | 191.55 | 192.05 | 191.08 | 191.01 | 191.13 | 191.07 | 191.06 | 192.05 |
| Min | 190.99 | 190.92 | 190.97 | 191.23 | 191.21 | 191.21 | 191.12 | 190.99 | 190.96 | 190.96 | 190.85 | 190.84 | 190.84 |

Annual Max Momentary Gage Height 192.79 m. (MSL.) , at 10.00 Hours , on Oct 7, 2006

Zero Gage at Bottom Elevation 190.68 m. (MSL.) , River Bed 190.58 m. (MSL.)

Left Bank Elevation 196.59 m. (MSL.) ,

Right Bank Elevation 196.69 m. (MSL.) , Drainage Are 71 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.80 | 3.30 | 4.42 | 7.78 | 4.90 | 1.30 | 0.60 | 0.30 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.50 | 2.98 | 3.94 | 5.54 | 6.74 | 1.30 | 0.60 | 0.30 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.60 | 3.30 | 7.26 | 4.58 | 11.00 | 1.20 | 0.60 | 0.30 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.30 | 0.90 | 4.90 | 12.80 | 5.54 | 25.37 | 1.20 | 0.60 | 0.30 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.30 | 1.30 | 6.74 | 15.92 | 4.74 | 15.60 | 1.10 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.25 | 1.40 | 8.30 | 10.19 | 3.94 | 14.00 | 1.10 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.40 | 1.50 | 5.54 | 7.78 | 3.62 | 26.15 | 1.10 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.40 | 1.00 | 4.90 | 6.22 | 3.14 | 15.28 | 1.10 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.35 | 0.90 | 4.74 | 5.22 | 2.66 | 12.80 | 1.00 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.40 | 0.90 | 4.10 | 4.58 | 2.82 | 12.50 | 1.00 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 1.40 | 0.90 | 6.22 | 3.78 | 2.98 | 11.30 | 0.90 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 1.60 | 0.80 | 5.06 | 3.30 | 3.62 | 9.11 | 0.80 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 1.30 | 0.50 | 8.57 | 2.66 | 3.46 | 7.26 | 0.80 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 1.30 | 0.40 | 7.52 | 3.14 | 3.30 | 5.70 | 0.80 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.90 | 0.45 | 5.96 | 7.78 | 2.98 | 5.06 | 0.80 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.40 | 0.35 | 9.92 | 8.57 | 3.46 | 4.42 | 0.70 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.10 | 0.35 | 13.40 | 5.54 | 3.30 | 4.26 | 0.80 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.15 | 1.00 | 14.32 | 4.58 | 4.58 | 3.78 | 0.70 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 1.80 | 0.70 | 11.60 | 4.10 | 6.48 | 3.46 | 0.70 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 1.80 | 0.50 | 9.11 | 3.78 | 5.38 | 3.14 | 0.70 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 2.40 | 1.00 | 6.74 | 3.62 | 4.58 | 2.82 | 0.70 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 8.30 | 1.00 | 8.04 | 3.30 | 8.30 | 2.50 | 0.70 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 5.96 | 0.70 | 7.78 | 2.82 | 9.65 | 2.30 | 0.60 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 2.98 | 0.60 | 5.70 | 2.98 | 6.48 | 2.20 | 0.60 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 2.30 | 0.80 | 4.90 | 2.82 | 5.22 | 2.10 | 0.50 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 1.40 | 0.80 | 5.54 | 4.58 | 4.90 | 2.00 | 0.70 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 1.60 | 1.40 | 5.96 | 4.42 | 7.00 | 2.10 | 0.60 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 1.20 | 2.50 | 5.06 | 3.46 | 8.30 | 2.10 | 0.60 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.90 | 3.62 | 4.42 | 2.98 | 6.22 | 1.90 | 0.50 | 0.35 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.70 | 3.46 | 3.94 | 7.00 | 5.38 | 1.80 | 0.45 | 0.35 | 0.00 | | 0.00 | | |
| 31 | | 0.70 | | 3.78 | 14.96 | | 1.70 | | 0.30 | 0.00 | | 0.00 | | |
| Total | 0.00 | 41.59 | 31.63 | 202.34 | 178.50 | 149.93 | 225.35 | 25.05 | 13.75 | 1.20 | 0.00 | 0.00 | 869.34 | CMSDAY |
| Mean | 0.00 | 1.34 | 1.05 | 6.53 | 5.76 | 5.00 | 7.27 | 0.84 | 0.44 | 0.04 | 0.00 | 0.00 | 2.38 | CMS |
| Max | 0.00 | 8.30 | 3.62 | 14.32 | 15.92 | 9.65 | 26.15 | 1.30 | 0.60 | 0.30 | 0.00 | 0.00 | 26.15 | CMS |
| Min | 0.00 | 0.00 | 0.35 | 2.98 | 2.66 | 2.66 | 1.70 | 0.45 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 3.59 | 2.73 | 17.48 | 15.42 | 12.95 | 19.47 | 2.16 | 1.19 | 0.10 | 0.00 | 0.00 | 75.11 | MCM |

Momentary Peak 63.85 CMS. at 192.79 m. (MSL.) at 10.00 Hours, on Oct 7, 2006

Runoff Yield 33.37 Liters/Second/Square KM. Momentary Peak Yield 894.63 Liters/Second/Square KM.

## WATER YEAR : 2006

## TONLE SAP BASIN

### Khlong Ta Kong at Ban Khlong Ta Kong , Chanthaburi (Tl.4)

Lat 12 - 55 - 02 N Long 102 - 19 - 30 E

**Location : on left bank downstream from the bridge of Amphoe Pong Nam Ron - Ban Pong Nam Ron.**

**Ban** Khlong Ta Kong **Amphoe** Pong Nam Ron **Changwat** Chanthaburi

| | |
|---|---|
| **Drainge Area** | 86 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +176.800 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 30 meters from the top staff gage. **Elevation** +186.762 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1984 to date |
| **Rating Operation** | |
| **Period of Rating** | 1986 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1986 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow |
| **General Description** | Records good. Flow effected by the local weir.<br>Stage-discharge relation defined by 19 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

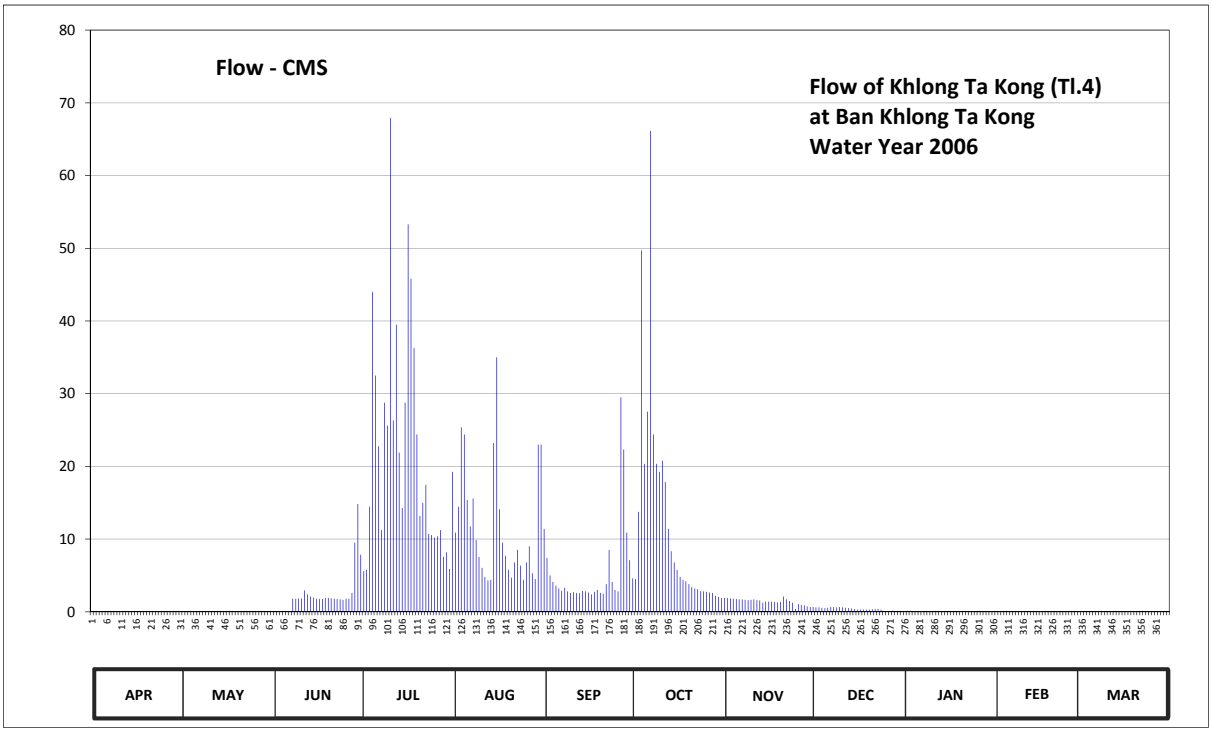
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 178.16 | 178.10 | 177.85 | 178.39 | 179.02 | 178.60 | 178.16 | 177.78 | 177.53 | 177.42 | 177.53 | 177.46 | |
| 2 | 178.16 | 178.09 | 177.85 | 178.24 | 178.57 | 178.36 | 178.15 | 177.78 | 177.52 | 177.43 | 177.52 | 177.46 | |
| 3 | 178.16 | 178.10 | 177.82 | 178.25 | 178.77 | 178.20 | 178.73 | 177.77 | 177.52 | 177.43 | 177.51 | 177.46 | |
| 4 | 178.16 | 178.10 | 177.80 | 178.77 | 179.29 | 178.11 | 180.19 | 177.76 | 177.51 | 177.42 | 177.50 | 177.46 | |
| 5 | 178.16 | 178.10 | 177.80 | 180.00 | 179.25 | 178.06 | 179.07 | 177.75 | 177.50 | 177.41 | 177.49 | 177.46 | |
| 6 | 178.16 | 178.09 | 177.80 | 179.58 | 178.82 | 178.02 | 179.38 | 177.74 | 177.51 | 177.42 | 177.48 | 177.45 | |
| 7 | 178.16 | 178.09 | 177.81 | 179.18 | 178.62 | 177.98 | 180.69 | 177.74 | 177.53 | 177.41 | 177.48 | 177.45 | |
| 8 | 178.16 | 178.09 | 177.76 | 178.59 | 178.83 | 178.03 | 179.25 | 177.73 | 177.53 | 177.41 | 177.49 | 177.44 | |
| 9 | 178.16 | 178.10 | 177.76 | 179.43 | 178.51 | 177.96 | 179.07 | 177.72 | 177.52 | 177.37 | 177.48 | 177.44 | |
| 10 | 178.15 | 178.10 | 177.77 | 179.30 | 178.37 | 177.92 | 179.02 | 177.73 | 177.53 | 177.35 | 177.48 | 177.43 | |
| 11 | 178.14 | 178.10 | 177.77 | 180.74 | 178.27 | 177.94 | 179.09 | 177.74 | 177.52 | 177.35 | 177.47 | 177.43 | |
| 12 | 178.14 | 178.10 | 177.99 | 179.33 | 178.18 | 177.92 | 178.95 | 177.72 | 177.51 | 177.34 | 177.46 | 177.44 | |
| 13 | 178.14 | 178.11 | 177.88 | 179.85 | 178.13 | 177.91 | 178.60 | 177.71 | 177.50 | 177.34 | 177.47 | 177.43 | |
| 14 | 178.14 | 178.12 | 177.82 | 179.14 | 178.14 | 177.97 | 178.42 | 177.65 | 177.49 | 177.35 | 177.47 | 177.42 | |
| 15 | 178.14 | 178.13 | 177.79 | 178.76 | 179.20 | 177.96 | 178.32 | 177.68 | 177.48 | 177.36 | 177.46 | 177.42 | |
| 16 | 178.14 | 178.14 | 177.76 | 179.43 | 179.68 | 177.93 | 178.25 | 177.68 | 177.46 | 177.34 | 177.46 | 177.43 | |
| 17 | 178.14 | 178.07 | 177.75 | 180.31 | 178.75 | 177.88 | 178.18 | 177.68 | 177.46 | 177.34 | 177.46 | 177.43 | |
| 18 | 178.14 | 178.08 | 177.75 | 180.06 | 178.49 | 177.95 | 178.14 | 177.67 | 177.46 | 177.34 | 177.45 | 177.43 | |
| 19 | 178.14 | 178.08 | 177.78 | 179.73 | 178.38 | 178.00 | 178.12 | 177.66 | 177.46 | 177.34 | 177.45 | 177.43 | |
| 20 | 178.13 | 178.11 | 177.78 | 179.25 | 178.25 | 177.92 | 178.08 | 177.67 | 177.46 | 177.34 | 177.46 | 177.45 | |
| 21 | 178.13 | 178.23 | 177.77 | 178.70 | 178.17 | 177.90 | 178.04 | 177.82 | 177.47 | 177.35 | 177.47 | 177.45 | |
| 22 | 178.11 | 179.20 | 177.76 | 178.80 | 178.32 | 178.08 | 178.02 | 177.74 | 177.48 | 177.38 | 177.48 | 177.45 | |
| 23 | 178.10 | 179.19 | 177.75 | 178.93 | 178.43 | 178.43 | 178.01 | 177.70 | 177.48 | 177.44 | 177.48 | 177.46 | |
| 24 | 178.09 | 178.54 | 177.74 | 178.56 | 178.29 | 178.11 | 177.97 | 177.65 | 177.46 | 177.49 | 177.48 | 177.50 | |
| 25 | 178.09 | 178.21 | 177.73 | 178.55 | 178.14 | 178.00 | 177.96 | 177.48 | 177.43 | 177.52 | 177.46 | 177.48 | |
| 26 | 178.10 | 178.10 | 177.76 | 178.53 | 178.32 | 177.96 | 177.95 | 177.61 | 177.42 | 177.52 | 177.44 | 177.47 | |
| 27 | 178.11 | 178.33 | 177.76 | 178.54 | 178.46 | 179.46 | 177.93 | 177.59 | 177.42 | 177.53 | 177.44 | 177.46 | |
| 28 | 178.10 | 178.05 | 177.92 | 178.59 | 178.22 | 179.16 | 177.92 | 177.58 | 177.44 | 177.54 | 177.44 | 177.46 | |
| 29 | 178.10 | 177.96 | 178.49 | 178.37 | 178.15 | 178.57 | 177.84 | 177.55 | 177.39 | 177.54 | | 177.46 | |
| 30 | 178.10 | 177.89 | 178.79 | 178.41 | 179.19 | 178.34 | 177.81 | 177.53 | 177.38 | 177.54 | | 177.47 | |
| 31 | | 177.87 | | 178.26 | 179.19 | | 177.78 | | 177.37 | 177.54 | | 177.47 | |
| Mean | 178.13 | 178.18 | 177.85 | 179.05 | 178.59 | 178.15 | 178.49 | 177.69 | 177.48 | 177.42 | 177.47 | 177.45 | |
| Max | 178.16 | 179.20 | 178.79 | 180.74 | 179.68 | 179.46 | 180.69 | 177.82 | 177.53 | 177.54 | 177.53 | 177.50 | 180.74 |
| Min | 178.09 | 177.87 | 177.73 | 178.24 | 178.13 | 177.88 | 177.78 | 177.48 | 177.37 | 177.34 | 177.44 | 177.42 | 177.34 |

Annual Max Momentary Gage Height 182.87 m. (MSL.) , at 06.00 Hours , on Jul 11, 2006

Zero Gage at Bottom Elevation 176.80 m. (MSL.) , River Bed 176.56 m. (MSL.)

Left Bank Elevation 186.11 m. (MSL.) ,

Right Bank Elevation 185.99 m. (MSL.) , Drainage Are 86 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 7.85 | 19.24 | 11.40 | 4.60 | 1.90 | 0.65 | 0.10 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 5.60 | 10.89 | 7.40 | 4.50 | 1.90 | 0.60 | 0.15 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 5.75 | 14.46 | 5.00 | 13.74 | 1.85 | 0.60 | 0.15 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 14.46 | 25.36 | 4.10 | 49.70 | 1.80 | 0.55 | 0.10 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 44.00 | 24.40 | 3.60 | 20.34 | 1.75 | 0.50 | 0.05 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 32.50 | 15.38 | 3.20 | 27.52 | 1.70 | 0.55 | 0.10 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 22.76 | 11.76 | 2.90 | 66.15 | 1.70 | 0.65 | 0.05 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 1.80 | 11.23 | 15.57 | 3.30 | 24.40 | 1.65 | 0.65 | 0.05 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 1.80 | 28.75 | 9.87 | 2.80 | 20.34 | 1.60 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 1.85 | 25.60 | 7.55 | 2.60 | 19.24 | 1.65 | 0.65 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 1.85 | 67.90 | 6.05 | 2.70 | 20.78 | 1.70 | 0.60 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 2.95 | 26.32 | 4.80 | 2.60 | 17.85 | 1.60 | 0.55 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 2.40 | 39.50 | 4.30 | 2.55 | 11.40 | 1.55 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 2.10 | 21.88 | 4.40 | 2.85 | 8.34 | 1.25 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 1.95 | 14.28 | 23.20 | 2.80 | 6.80 | 1.40 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 1.80 | 28.75 | 35.00 | 2.65 | 5.75 | 1.40 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 1.75 | 53.30 | 14.10 | 2.40 | 4.80 | 1.40 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 1.75 | 45.80 | 9.53 | 2.75 | 4.40 | 1.35 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 1.90 | 36.25 | 7.70 | 3.00 | 4.20 | 1.30 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 1.90 | 24.40 | 5.75 | 2.60 | 3.80 | 1.35 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 1.85 | 13.20 | 4.70 | 2.50 | 3.40 | 2.10 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.01 | 1.80 | 15.00 | 6.80 | 3.80 | 3.20 | 1.70 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.01 | 1.75 | 17.47 | 8.51 | 8.51 | 3.10 | 1.50 | 0.40 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.01 | 1.70 | 10.72 | 6.35 | 4.10 | 2.85 | 1.25 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 1.65 | 10.55 | 4.40 | 3.00 | 2.80 | 0.40 | 0.15 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 1.80 | 10.21 | 6.80 | 2.80 | 2.75 | 1.05 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 1.80 | 10.38 | 9.02 | 29.50 | 2.65 | 0.95 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 2.60 | 11.23 | 5.30 | 22.32 | 2.60 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 9.53 | 7.55 | 4.50 | 10.89 | 2.20 | 0.75 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 14.82 | 8.17 | 22.98 | 7.10 | 2.05 | 0.65 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 5.90 | 22.98 | | 1.90 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.03 | 65.10 | 677.26 | 371.65 | 167.72 | 368.15 | 43.05 | 12.00 | 0.75 | 0.00 | 0.00 | 1705.71 | CMSDAY |
| Mean | 0.00 | 0.00 | 2.17 | 21.85 | 11.99 | 5.59 | 11.88 | 1.43 | 0.39 | 0.02 | 0.00 | 0.00 | 4.67 | CMS |
| Max | 0.00 | 0.01 | 14.82 | 67.90 | 35.00 | 29.50 | 66.15 | 2.10 | 0.65 | 0.15 | 0.00 | 0.00 | 67.90 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 5.60 | 4.30 | 2.40 | 1.90 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 0.00 | 5.62 | 58.52 | 32.11 | 14.49 | 31.81 | 3.72 | 1.04 | 0.06 | 0.00 | 0.00 | 147.37 | MCM |

Momentary Peak 162.50 CMS. at 182.87 m. (MSL.) at 06.00 Hours , on Jul 11, 2006

Runoff Yield 54.34 Liters/Second/Square KM. Momentary Peak Yield 1889.54 Liters/Second/Square KM.

## WATER YEAR : 2006

## TONLE SAP BASIN

### Khlong Thung Krang at Ban Thung Krang , Chanthaburi (Tl.6)

Lat 13 - 01 - 36 N Long 102 - 16 - 21 E

**Location : on right bank at the bridge of Chanthaburi - Sa Kaeo Highway.**

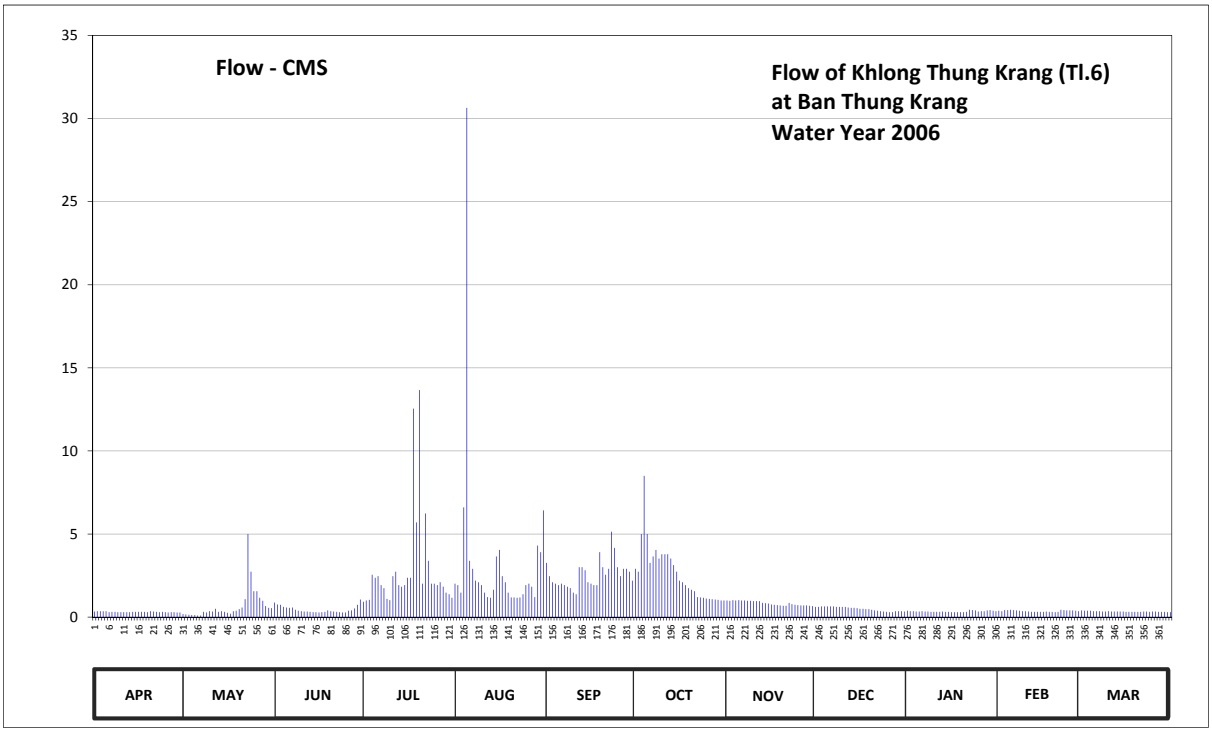
**Ban** Thung Krang **Amphoe** Pong Nam Ron **Changwat** Chanthaburi

| | |
|---|---|
| **Drainge Area** | 42 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +183.100 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 20 meters from the top staff gage. **Elevation** +187.655 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow |
| **General Description** | Records good. Stage-discharge relation defined by 14 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 183.57 | 183.49 | 183.84 | 183.86 | 184.09 | 184.22 | 184.19 | 183.90 | 183.71 | 183.59 | 183.59 | 183.60 | |
| 2 | 183.58 | 183.48 | 183.78 | 183.90 | 184.08 | 184.14 | 184.17 | 183.89 | 183.71 | 183.58 | 183.58 | 183.59 | |
| 3 | 183.58 | 183.47 | 183.77 | 183.92 | 184.03 | 184.10 | 184.35 | 183.91 | 183.72 | 183.58 | 183.61 | 183.59 | |
| 4 | 183.58 | 183.46 | 183.71 | 184.15 | 184.45 | 184.09 | 184.55 | 183.90 | 183.72 | 183.57 | 183.61 | 183.59 | |
| 5 | 183.58 | 183.46 | 183.69 | 184.13 | 185.23 | 184.08 | 184.35 | 183.91 | 183.72 | 183.57 | 183.62 | 183.58 | |
| 6 | 183.55 | 183.45 | 183.68 | 184.14 | 184.23 | 184.09 | 184.22 | 183.90 | 183.72 | 183.58 | 183.61 | 183.58 | |
| 7 | 183.56 | 183.45 | 183.69 | 184.08 | 184.19 | 184.08 | 184.25 | 183.90 | 183.72 | 183.57 | 183.60 | 183.58 | |
| 8 | 183.56 | 183.56 | 183.62 | 184.06 | 184.11 | 184.07 | 184.28 | 183.89 | 183.71 | 183.57 | 183.59 | 183.57 | |
| 9 | 183.55 | 183.54 | 183.59 | 183.95 | 184.10 | 184.06 | 184.24 | 183.89 | 183.71 | 183.56 | 183.58 | 183.57 | |
| 10 | 183.55 | 183.58 | 183.58 | 183.91 | 184.08 | 184.03 | 184.26 | 183.88 | 183.71 | 183.56 | 183.58 | 183.58 | |
| 11 | 183.55 | 183.57 | 183.57 | 184.14 | 184.03 | 184.02 | 184.26 | 183.88 | 183.71 | 183.56 | 183.57 | 183.57 | |
| 12 | 183.55 | 183.65 | 183.57 | 184.17 | 184.00 | 184.20 | 184.26 | 183.88 | 183.69 | 183.56 | 183.56 | 183.57 | |
| 13 | 183.55 | 183.56 | 183.56 | 184.08 | 183.98 | 184.20 | 184.24 | 183.83 | 183.68 | 183.57 | 183.56 | 183.57 | |
| 14 | 183.56 | 183.58 | 183.55 | 184.07 | 184.05 | 184.18 | 184.21 | 183.82 | 183.68 | 183.56 | 183.56 | 183.57 | |
| 15 | 183.56 | 183.56 | 183.55 | 184.08 | 184.25 | 184.10 | 184.17 | 183.81 | 183.67 | 183.56 | 183.56 | 183.57 | |
| 16 | 183.56 | 183.53 | 183.54 | 184.13 | 184.28 | 184.09 | 184.11 | 183.78 | 183.65 | 183.55 | 183.56 | 183.56 | |
| 17 | 183.56 | 183.50 | 183.55 | 184.13 | 184.14 | 184.08 | 184.10 | 183.77 | 183.65 | 183.55 | 183.57 | 183.56 | |
| 18 | 183.56 | 183.58 | 183.56 | 184.73 | 184.10 | 184.08 | 184.08 | 183.76 | 183.64 | 183.55 | 183.56 | 183.56 | |
| 19 | 183.55 | 183.59 | 183.60 | 184.40 | 184.03 | 184.27 | 184.06 | 183.75 | 183.64 | 183.55 | 183.56 | 183.56 | |
| 20 | 183.58 | 183.64 | 183.58 | 184.77 | 183.99 | 184.20 | 184.05 | 183.74 | 183.62 | 183.55 | 183.55 | 183.56 | |
| 21 | 183.57 | 183.69 | 183.57 | 184.09 | 183.99 | 184.15 | 184.04 | 183.74 | 183.60 | 183.56 | 183.56 | 183.56 | |
| 22 | 183.56 | 183.94 | 183.56 | 184.43 | 183.98 | 184.19 | 184.00 | 183.83 | 183.59 | 183.62 | 183.62 | 183.57 | |
| 23 | 183.55 | 184.35 | 183.55 | 184.23 | 183.99 | 184.36 | 183.99 | 183.79 | 183.58 | 183.61 | 183.61 | 183.57 | |
| 24 | 183.56 | 184.17 | 183.54 | 184.09 | 184.02 | 184.29 | 183.98 | 183.77 | 183.57 | 183.60 | 183.60 | 183.56 | |
| 25 | 183.55 | 184.04 | 183.54 | 184.09 | 184.08 | 184.20 | 183.96 | 183.76 | 183.56 | 183.57 | 183.60 | 183.57 | |
| 26 | 183.54 | 184.04 | 183.59 | 184.08 | 184.09 | 184.14 | 183.95 | 183.75 | 183.55 | 183.58 | 183.60 | 183.57 | |
| 27 | 183.55 | 183.98 | 183.60 | 184.10 | 184.07 | 184.19 | 183.94 | 183.75 | 183.55 | 183.58 | 183.59 | 183.56 | |
| 28 | 183.55 | 183.89 | 183.66 | 184.07 | 184.00 | 184.19 | 183.93 | 183.75 | 183.58 | 183.60 | 183.58 | 183.56 | |
| 29 | 183.54 | 183.73 | 183.77 | 184.03 | 184.30 | 184.17 | 183.92 | 183.74 | 183.58 | 183.61 | | 183.56 | |
| 30 | 183.54 | 183.68 | 183.93 | 184.02 | 184.27 | 184.11 | 183.90 | 183.73 | 183.58 | 183.59 | | 183.55 | |
| 31 | | 183.67 | | 183.98 | 184.44 | | 183.90 | | 183.57 | 183.58 | | 183.55 | |
| Mean | 183.56 | 183.67 | 183.63 | 184.13 | 184.15 | 184.15 | 184.13 | 183.82 | 183.65 | 183.57 | 183.58 | 183.57 | |
| Max | 183.58 | 184.35 | 183.93 | 184.77 | 185.23 | 184.36 | 184.55 | 183.91 | 183.72 | 183.62 | 183.62 | 183.60 | 185.23 |
| Min | 183.54 | 183.45 | 183.54 | 183.86 | 183.98 | 184.02 | 183.90 | 183.73 | 183.55 | 183.55 | 183.55 | 183.55 | 183.45 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 185.30 | m. (MSL.) , | at 06.00 Hours , on Aug 5, 2006 | | |
| Zero Gage at Bottom Elevation | 183.10 | m. (MSL.) , | River Bed | 182.60 | m. (MSL.) |
| Left Bank Elevation | 187.42 | m. (MSL.) , | | | |
| Right Bank Elevation | 187.39 | m. (MSL.) , | Drainage Are | 42 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.34 | 0.18 | 0.88 | 0.92 | 2.01 | 3.26 | 2.91 | 1.00 | 0.62 | 0.38 | 0.38 | 0.40 | | |
| 2 | 0.36 | 0.16 | 0.76 | 1.00 | 1.92 | 2.46 | 2.73 | 0.98 | 0.62 | 0.36 | 0.36 | 0.38 | | |
| 3 | 0.36 | 0.14 | 0.74 | 1.04 | 1.47 | 2.10 | 5.00 | 1.02 | 0.64 | 0.36 | 0.42 | 0.38 | | |
| 4 | 0.36 | 0.12 | 0.62 | 2.55 | 6.60 | 2.01 | 8.50 | 1.00 | 0.64 | 0.34 | 0.42 | 0.38 | | |
| 5 | 0.36 | 0.12 | 0.58 | 2.37 | 30.64 | 1.92 | 5.00 | 1.02 | 0.64 | 0.34 | 0.44 | 0.36 | | |
| 6 | 0.30 | 0.10 | 0.56 | 2.46 | 3.39 | 2.01 | 3.26 | 1.00 | 0.64 | 0.36 | 0.42 | 0.36 | | |
| 7 | 0.32 | 0.10 | 0.58 | 1.92 | 2.91 | 1.92 | 3.65 | 1.00 | 0.64 | 0.34 | 0.40 | 0.36 | | |
| 8 | 0.32 | 0.32 | 0.44 | 1.74 | 2.19 | 1.83 | 4.04 | 0.98 | 0.62 | 0.34 | 0.38 | 0.34 | | |
| 9 | 0.30 | 0.28 | 0.38 | 1.10 | 2.10 | 1.74 | 3.52 | 0.98 | 0.62 | 0.32 | 0.36 | 0.34 | | |
| 10 | 0.30 | 0.36 | 0.36 | 1.02 | 1.92 | 1.47 | 3.78 | 0.96 | 0.62 | 0.32 | 0.36 | 0.36 | | |
| 11 | 0.30 | 0.34 | 0.34 | 2.46 | 1.47 | 1.38 | 3.78 | 0.96 | 0.62 | 0.32 | 0.34 | 0.34 | | |
| 12 | 0.30 | 0.50 | 0.34 | 2.73 | 1.20 | 3.00 | 3.78 | 0.96 | 0.58 | 0.32 | 0.32 | 0.34 | | |
| 13 | 0.30 | 0.32 | 0.32 | 1.92 | 1.16 | 3.00 | 3.52 | 0.86 | 0.56 | 0.34 | 0.32 | 0.34 | | |
| 14 | 0.32 | 0.36 | 0.30 | 1.83 | 1.65 | 2.82 | 3.13 | 0.84 | 0.56 | 0.32 | 0.32 | 0.34 | | |
| 15 | 0.32 | 0.32 | 0.30 | 1.92 | 3.65 | 2.10 | 2.73 | 0.82 | 0.54 | 0.32 | 0.32 | 0.34 | | |
| 16 | 0.32 | 0.26 | 0.28 | 2.37 | 4.04 | 2.01 | 2.19 | 0.76 | 0.50 | 0.30 | 0.32 | 0.32 | | |
| 17 | 0.32 | 0.20 | 0.30 | 2.37 | 2.46 | 1.92 | 2.10 | 0.74 | 0.50 | 0.30 | 0.34 | 0.32 | | |
| 18 | 0.32 | 0.36 | 0.32 | 12.54 | 2.10 | 1.92 | 1.92 | 0.72 | 0.48 | 0.30 | 0.32 | 0.32 | | |
| 19 | 0.30 | 0.38 | 0.40 | 5.70 | 1.47 | 3.91 | 1.74 | 0.70 | 0.48 | 0.30 | 0.32 | 0.32 | | |
| 20 | 0.36 | 0.48 | 0.36 | 13.66 | 1.18 | 3.00 | 1.65 | 0.68 | 0.44 | 0.30 | 0.30 | 0.32 | | |
| 21 | 0.34 | 0.58 | 0.34 | 2.01 | 1.18 | 2.55 | 1.56 | 0.68 | 0.40 | 0.32 | 0.32 | 0.32 | | |
| 22 | 0.32 | 1.08 | 0.32 | 6.24 | 1.16 | 2.91 | 1.20 | 0.86 | 0.38 | 0.44 | 0.44 | 0.34 | | |
| 23 | 0.30 | 5.00 | 0.30 | 3.39 | 1.18 | 5.14 | 1.18 | 0.78 | 0.36 | 0.42 | 0.42 | 0.34 | | |
| 24 | 0.32 | 2.73 | 0.28 | 2.01 | 1.38 | 4.17 | 1.16 | 0.74 | 0.34 | 0.40 | 0.40 | 0.32 | | |
| 25 | 0.30 | 1.56 | 0.28 | 2.01 | 1.92 | 3.00 | 1.12 | 0.72 | 0.32 | 0.34 | 0.40 | 0.34 | | |
| 26 | 0.28 | 1.56 | 0.38 | 1.92 | 2.01 | 2.46 | 1.10 | 0.70 | 0.30 | 0.36 | 0.40 | 0.34 | | |
| 27 | 0.30 | 1.16 | 0.40 | 2.10 | 1.83 | 2.91 | 1.08 | 0.70 | 0.30 | 0.36 | 0.38 | 0.32 | | |
| 28 | 0.30 | 0.98 | 0.52 | 1.83 | 1.20 | 2.91 | 1.06 | 0.70 | 0.36 | 0.40 | 0.36 | 0.32 | | |
| 29 | 0.28 | 0.66 | 0.74 | 1.47 | 4.30 | 2.73 | 1.04 | 0.68 | 0.36 | 0.42 | | 0.32 | | |
| 30 | 0.28 | 0.56 | 1.06 | 1.38 | 3.91 | 2.19 | 1.00 | 0.66 | 0.36 | 0.38 | | 0.30 | | |
| 31 | | 0.54 | | 1.16 | 6.42 | | 1.00 | | 0.34 | 0.36 | | 0.30 | | |
| Total | 9.50 | 21.81 | 13.78 | 89.14 | 102.02 | 76.75 | 81.43 | 25.20 | 15.38 | 10.78 | 10.28 | 10.52 | 466.59 | CMSDAY |
| Mean | 0.32 | 0.70 | 0.46 | 2.88 | 3.29 | 2.56 | 2.63 | 0.84 | 0.50 | 0.35 | 0.37 | 0.34 | 1.28 | CMS |
| Max | 0.36 | 5.00 | 1.06 | 13.66 | 30.64 | 5.14 | 8.50 | 1.02 | 0.64 | 0.44 | 0.44 | 0.40 | 30.64 | CMS |
| Min | 0.28 | 0.10 | 0.28 | 0.92 | 1.16 | 1.38 | 1.00 | 0.66 | 0.30 | 0.30 | 0.30 | 0.30 | 0.10 | CMS |
| Runoff | 0.82 | 1.88 | 1.19 | 7.70 | 8.81 | 6.63 | 7.04 | 2.18 | 1.33 | 0.93 | 0.89 | 0.91 | 40.31 | MCM |

Momentary Peak 34.00 CMS. at 185.30 m. (MSL.) at 06.00 Hours , on Aug 5, 2006

Runoff Yield 30.63 Liters/Second/Square KM. Momentary Peak Yield 814.76 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Yai at Ban Si Bua Thong , Trat (Z.10)

Lat 12 - 28 - 24 N Long 102 - 28 - 49 E

**Location : on left bank at Ban Si Bua Thong**

**Ban** Si Bua Thong **Amphoe** Khao Saming **Changwat** Trat

| | |
|---|---|
| **Drainge Area** | 779 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +1.901 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near automatic gage building. **Elevation** +13.181 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1970 to date |
| **Rating Operation** | |
| **Period of Rating** | 1973 - 1978 , 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1973 - 1978 , 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow |
| **General Description** | Records good. Stage-discharge relation defined by 53 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

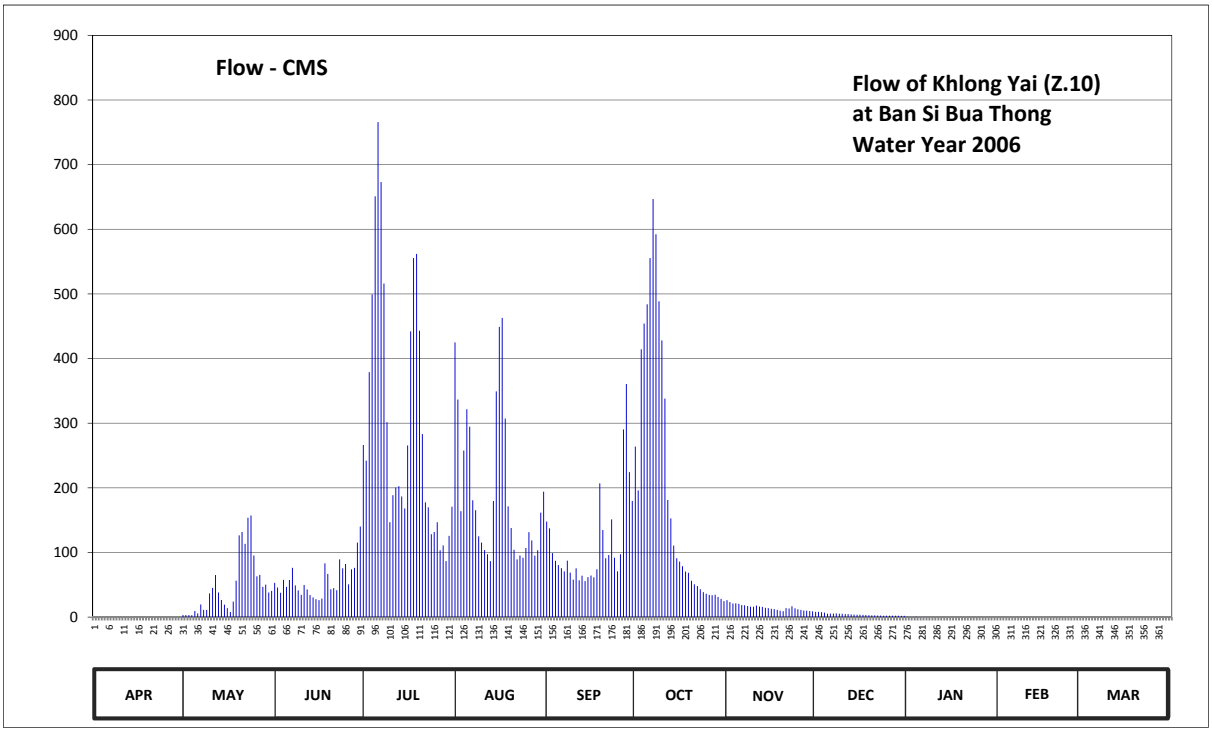
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.15 | 3.53 | 5.59 | 10.42 | 12.43 | 8.15 | 10.38 | 4.65 | 3.86 | 3.25 | 5.79 | 6.29 | |
| 2 | 6.14 | 3.52 | 5.36 | 10.02 | 11.42 | 7.91 | 9.18 | 4.53 | 3.86 | 3.22 | 5.77 | 6.29 | |
| 3 | 6.17 | 3.51 | 5.09 | 11.94 | 8.51 | 6.94 | 12.32 | 4.44 | 3.83 | 3.22 | 5.76 | 6.21 | |
| 4 | 6.45 | 3.49 | 5.74 | 13.12 | 10.28 | 6.60 | 12.72 | 4.45 | 3.80 | 3.24 | 5.75 | 6.15 | |
| 5 | 6.61 | 3.92 | 5.39 | 14.27 | 11.22 | 6.41 | 12.99 | 4.42 | 3.68 | 3.24 | 5.74 | 6.09 | |
| 6 | 6.63 | 3.71 | 5.73 | 15.00 | 10.85 | 6.28 | 13.58 | 4.34 | 3.69 | 3.29 | 5.72 | 6.04 | |
| 7 | 6.50 | 4.38 | 6.29 | 14.42 | 8.87 | 6.14 | 14.24 | 4.33 | 3.70 | 3.30 | 5.72 | 5.98 | |
| 8 | 6.41 | 4.01 | 5.47 | 13.26 | 8.54 | 6.61 | 13.86 | 4.28 | 3.71 | 3.46 | 5.73 | 5.96 | |
| 9 | 6.35 | 4.00 | 5.21 | 10.95 | 7.60 | 6.08 | 13.03 | 4.24 | 3.68 | 3.95 | 5.72 | 5.95 | |
| 10 | 6.31 | 5.05 | 4.98 | 8.13 | 7.36 | 5.75 | 12.46 | 4.24 | 3.68 | 4.35 | 5.72 | 5.91 | |
| 11 | 6.26 | 5.34 | 5.49 | 9.03 | 7.07 | 6.27 | 11.44 | 4.31 | 3.64 | 4.73 | 5.69 | 5.87 | |
| 12 | 6.23 | 5.97 | 5.26 | 9.27 | 6.89 | 5.72 | 8.88 | 4.25 | 3.65 | 4.99 | 5.65 | 5.84 | |
| 13 | 6.33 | 5.10 | 4.97 | 9.31 | 6.59 | 5.94 | 8.26 | 4.23 | 3.62 | 5.24 | 5.65 | 5.82 | |
| 14 | 6.31 | 4.66 | 4.82 | 8.99 | 8.85 | 5.68 | 7.24 | 4.17 | 3.60 | 5.44 | 5.63 | 5.82 | |
| 15 | 6.29 | 4.37 | 4.71 | 8.60 | 11.58 | 5.87 | 6.72 | 4.14 | 3.58 | 5.64 | 5.60 | 5.81 | |
| 16 | 6.67 | 4.14 | 4.65 | 10.41 | 12.67 | 5.95 | 6.57 | 4.09 | 3.57 | 5.63 | 5.58 | 5.83 | |
| 17 | 6.35 | 3.84 | 4.75 | 12.60 | 12.80 | 5.86 | 6.36 | 4.07 | 3.54 | 5.59 | 5.55 | 5.88 | |
| 18 | 4.23 | 4.56 | 6.49 | 13.58 | 11.03 | 6.23 | 6.13 | 4.01 | 3.51 | 5.58 | 5.51 | 5.90 | |
| 19 | 4.22 | 5.70 | 6.02 | 13.63 | 8.67 | 9.40 | 6.07 | 3.95 | 3.49 | 5.75 | 5.48 | 5.89 | |
| 20 | 4.13 | 7.64 | 5.27 | 12.61 | 7.92 | 7.84 | 5.69 | 3.91 | 3.48 | 5.85 | 5.45 | 5.91 | |
| 21 | 4.01 | 7.77 | 5.33 | 10.68 | 7.08 | 6.72 | 5.52 | 4.14 | 3.47 | 5.85 | 5.44 | 6.05 | |
| 22 | 3.96 | 7.31 | 5.22 | 8.80 | 6.67 | 6.86 | 5.43 | 4.12 | 3.45 | 5.83 | 5.44 | 6.12 | |
| 23 | 3.80 | 8.28 | 6.67 | 8.64 | 6.84 | 8.23 | 5.27 | 4.27 | 3.44 | 5.83 | 5.87 | 6.13 | |
| 24 | 3.69 | 8.36 | 6.27 | 7.68 | 6.74 | 6.74 | 5.12 | 4.13 | 3.42 | 5.85 | 6.38 | 6.12 | |
| 25 | 3.70 | 6.84 | 6.46 | 7.77 | 7.15 | 6.14 | 5.04 | 4.06 | 3.42 | 5.90 | 6.51 | 6.47 | |
| 26 | 3.68 | 5.91 | 5.52 | 8.13 | 7.76 | 6.89 | 4.98 | 4.01 | 3.42 | 5.91 | 6.44 | 6.68 | |
| 27 | 3.57 | 5.98 | 6.23 | 7.06 | 7.44 | 10.79 | 4.96 | 3.96 | 3.41 | 5.88 | 6.40 | 6.62 | |
| 28 | 3.52 | 5.39 | 6.29 | 7.25 | 6.83 | 11.72 | 4.99 | 3.94 | 3.41 | 5.85 | 6.36 | 6.52 | |
| 29 | 3.48 | 5.51 | 7.36 | 6.59 | 7.06 | 9.71 | 4.85 | 3.92 | 3.41 | 5.82 | | 6.41 | |
| 30 | 3.49 | 5.10 | 7.98 | 7.62 | 8.46 | 8.85 | 4.73 | 3.90 | 3.39 | 5.80 | | 6.39 | |
| 31 | | 5.19 | | 8.66 | 9.14 | | 4.59 | | 3.39 | 5.79 | | 6.36 | |
| Mean | 5.25 | 5.23 | 5.69 | 10.27 | 8.78 | 7.14 | 8.18 | 4.18 | 3.57 | 4.94 | 5.79 | 6.11 | |
| Max | 6.67 | 8.36 | 7.98 | 15.00 | 12.80 | 11.72 | 14.24 | 4.65 | 3.86 | 5.91 | 6.51 | 6.68 | 15.00 |
| Min | 3.48 | 3.49 | 4.65 | 6.59 | 6.59 | 5.68 | 4.59 | 3.90 | 3.39 | 3.22 | 5.44 | 5.81 | 3.22 |

Annual Max Momentary Gage Height 15.03 m. (MSL.) , at 12.00 Hours, on Jul 6, 2006

Zero Gage at Bottom Elevation 1.90 m. (MSL.) , River Bed 2.26 m. (MSL.)

Left Bank Elevation 15.92 m. (MSL.) ,

Right Bank Elevation 15.93 m. (MSL.) , Drainage Are 779 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 3.30 | 52.88 | 266.30 | 425.00 | 147.75 | 263.80 | 26.25 | 8.20 | 0.50 | 0.00 | 0.00 | | |
| 2 | 0.00 | 3.20 | 45.80 | 242.20 | 336.60 | 137.40 | 196.00 | 23.25 | 8.20 | 0.20 | 0.00 | 0.00 | | |
| 3 | 0.00 | 3.10 | 37.70 | 378.90 | 163.95 | 98.90 | 414.40 | 21.00 | 7.60 | 0.20 | 0.00 | 0.00 | | |
| 4 | 0.00 | 2.90 | 57.68 | 499.40 | 257.80 | 87.00 | 454.20 | 21.25 | 7.00 | 0.40 | 0.00 | 0.00 | | |
| 5 | 0.00 | 9.40 | 46.70 | 651.15 | 321.50 | 80.35 | 483.90 | 20.50 | 5.20 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 5.65 | 57.36 | 766.00 | 294.50 | 75.80 | 555.40 | 18.50 | 5.35 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 19.50 | 76.15 | 673.20 | 180.76 | 70.90 | 646.80 | 18.25 | 5.50 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 11.20 | 49.10 | 516.20 | 165.30 | 87.35 | 592.40 | 17.00 | 5.65 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 11.00 | 41.30 | 301.50 | 125.00 | 68.80 | 488.60 | 16.00 | 5.20 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 36.50 | 34.50 | 146.85 | 115.40 | 58.00 | 428.00 | 16.00 | 5.20 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 45.20 | 49.70 | 188.50 | 103.80 | 75.45 | 338.20 | 17.75 | 4.60 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 65.04 | 42.80 | 200.50 | 97.15 | 57.04 | 181.24 | 16.25 | 4.75 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 38.00 | 34.25 | 202.50 | 86.65 | 64.08 | 152.70 | 15.75 | 4.30 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 26.50 | 30.50 | 186.52 | 179.80 | 55.76 | 110.60 | 14.40 | 4.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 19.25 | 27.75 | 168.00 | 349.40 | 61.84 | 91.20 | 13.80 | 3.80 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 13.80 | 26.25 | 265.65 | 449.00 | 64.40 | 85.95 | 12.80 | 3.70 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 7.80 | 28.75 | 442.00 | 463.00 | 61.52 | 78.60 | 12.40 | 3.40 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 24.00 | 83.15 | 555.40 | 307.25 | 74.05 | 70.55 | 11.20 | 3.10 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 56.40 | 66.70 | 561.90 | 171.29 | 207.00 | 68.45 | 10.00 | 2.90 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 126.60 | 43.10 | 443.00 | 137.80 | 134.60 | 56.08 | 9.20 | 2.80 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 131.80 | 44.90 | 283.20 | 104.20 | 91.20 | 50.64 | 13.80 | 2.70 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 113.40 | 41.60 | 177.40 | 89.45 | 96.10 | 47.90 | 13.40 | 2.50 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 153.60 | 89.45 | 169.88 | 95.40 | 151.35 | 43.10 | 16.75 | 2.40 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 157.20 | 75.45 | 128.20 | 91.90 | 91.90 | 38.60 | 13.60 | 2.20 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 95.40 | 82.10 | 131.80 | 107.00 | 70.90 | 36.20 | 12.20 | 2.20 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 63.12 | 50.64 | 146.85 | 131.40 | 97.15 | 34.50 | 11.20 | 2.20 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 65.36 | 74.05 | 103.40 | 118.60 | 290.35 | 34.00 | 10.20 | 2.10 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 46.70 | 76.15 | 111.00 | 95.05 | 360.60 | 34.75 | 9.80 | 2.10 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 50.32 | 115.40 | 86.65 | 103.40 | 224.18 | 31.25 | 9.40 | 2.10 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 38.00 | 140.20 | 125.80 | 161.70 | 179.80 | 28.25 | 9.00 | 1.90 | 0.00 | | 0.00 | | |
| 31 | | 40.70 | | 170.82 | 194.00 | | 24.75 | | 1.90 | 0.00 | | 0.00 | | |
| Total | 0.00 | 1483.94 | 1722.06 | 9290.67 | 6023.05 | 3421.52 | 6161.01 | 450.90 | 124.75 | 1.30 | 0.00 | 0.00 | 28679.20 | CMSDAY |
| Mean | 0.00 | 47.87 | 57.40 | 299.70 | 194.29 | 114.05 | 198.74 | 15.03 | 4.02 | 0.04 | 0.00 | 0.00 | 78.57 | CMS |
| Max | 0.00 | 157.20 | 140.20 | 766.00 | 463.00 | 360.60 | 646.80 | 26.25 | 8.20 | 0.50 | 0.00 | 0.00 | 766.00 | CMS |
| Min | 0.00 | 2.90 | 26.25 | 86.65 | 86.65 | 55.76 | 24.75 | 9.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 128.21 | 148.79 | 802.71 | 520.39 | 295.62 | 532.31 | 38.96 | 10.78 | 0.11 | 0.00 | 0.00 | 2477.88 | MCM |

Momentary Peak 770.80 CMS, at 15.03 m. (MSL.), at 12.00 Hours, on Jul 6, 2006

Runoff Yield 100.86 Liters/Second/Square KM. Momentary Peak Yield 989.47 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Prasae at Ban Khao Chik , Rayong (Z.11)

Lat 12 - 51 - 20 N Long 101 - 37 - 09 E

**Location : on left bank near the Meteorological Station.**

**Ban** Khao Chik **Amphoe** Klaeng **Changwat** Rayong

| | |
|---|---|
| **Drainge Area** | 1,236 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +2.630 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the Meteorological Station. **Elevation** +13.420 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1965 - 1974 , 1989 to date |
| **Rating Operation** | |
| **Period of Rating** | 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1989 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow |
| **General Description** | Records good. Flow effectedn by the concrete weir about 7 kilometers downstream and 5 kilometers above gage site. Stage-discharge relation defined by 31 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

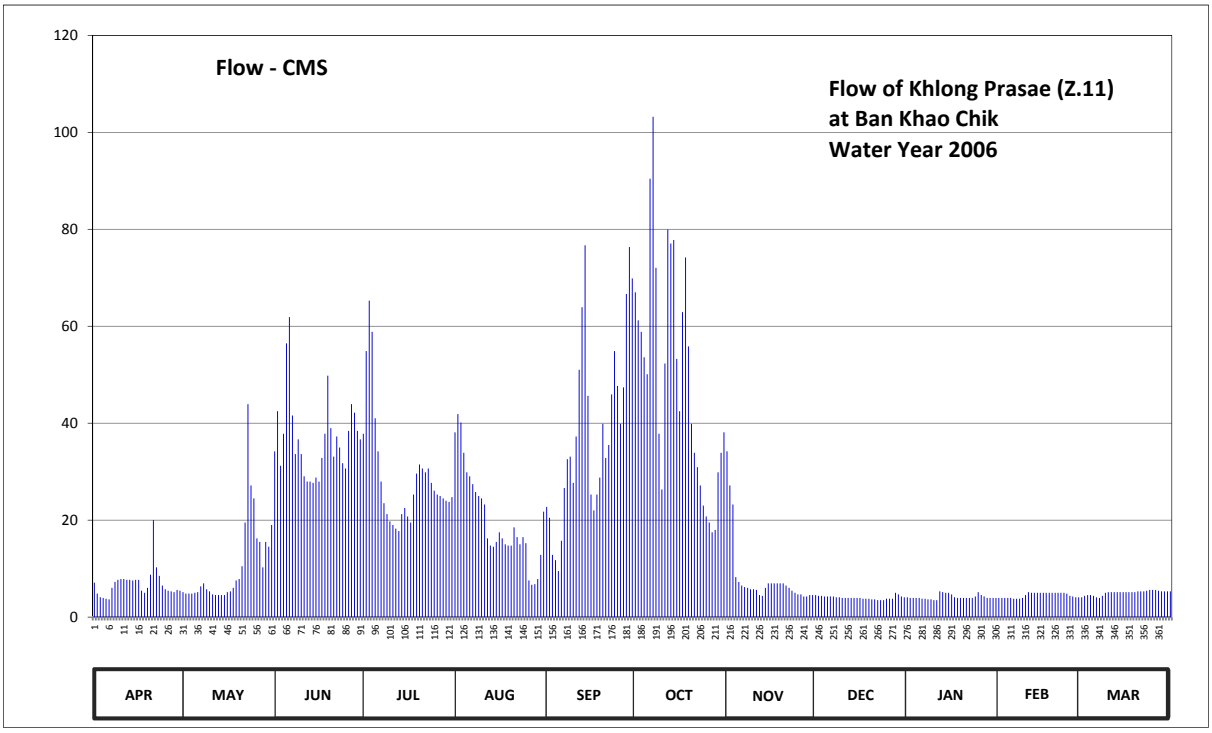
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.84 | 4.71 | 5.94 | 6.07 | 6.08 | 5.51 | 7.00 | 5.94 | 4.67 | 4.64 | 4.63 | 4.64 | |
| 2 | 4.69 | 4.69 | 6.23 | 6.64 | 6.21 | 5.42 | 6.83 | 5.68 | 4.66 | 4.63 | 4.63 | 4.66 | |
| 3 | 4.64 | 4.69 | 5.83 | 6.95 | 6.15 | 5.11 | 6.76 | 5.53 | 4.66 | 4.63 | 4.63 | 4.67 | |
| 4 | 4.63 | 4.69 | 6.07 | 6.76 | 5.93 | 5.06 | 6.60 | 4.91 | 4.65 | 4.63 | 4.63 | 4.67 | |
| 5 | 4.62 | 4.70 | 6.69 | 6.18 | 5.78 | 4.96 | 6.49 | 4.85 | 4.65 | 4.63 | 4.63 | 4.66 | |
| 6 | 4.61 | 4.71 | 6.85 | 5.94 | 5.75 | 5.23 | 7.65 | 4.80 | 4.65 | 4.62 | 4.62 | 4.64 | |
| 7 | 4.77 | 4.79 | 6.20 | 5.71 | 5.69 | 5.66 | 7.99 | 4.78 | 4.65 | 4.62 | 4.62 | 4.63 | |
| 8 | 4.85 | 4.83 | 5.92 | 5.54 | 5.63 | 5.88 | 7.14 | 4.77 | 4.64 | 4.61 | 4.62 | 4.66 | |
| 9 | 4.88 | 4.75 | 6.03 | 5.45 | 5.60 | 5.90 | 6.07 | 4.75 | 4.64 | 4.61 | 4.63 | 4.70 | |
| 10 | 4.89 | 4.72 | 5.92 | 5.39 | 5.58 | 5.70 | 5.65 | 4.75 | 4.63 | 4.60 | 4.67 | 4.71 | |
| 11 | 4.89 | 4.68 | 5.75 | 5.36 | 5.53 | 6.05 | 6.56 | 4.74 | 4.63 | 4.60 | 4.71 | 4.71 | |
| 12 | 4.88 | 4.67 | 5.71 | 5.33 | 5.25 | 6.52 | 7.36 | 4.67 | 4.63 | 4.72 | 4.70 | 4.71 | |
| 13 | 4.88 | 4.67 | 5.71 | 5.31 | 5.19 | 6.91 | 7.28 | 4.66 | 4.63 | 4.71 | 4.70 | 4.71 | |
| 14 | 4.87 | 4.67 | 5.70 | 5.45 | 5.18 | 7.27 | 7.30 | 4.77 | 4.63 | 4.70 | 4.70 | 4.71 | |
| 15 | 4.88 | 4.67 | 5.74 | 5.50 | 5.22 | 6.34 | 6.59 | 4.83 | 4.63 | 4.70 | 4.70 | 4.71 | |
| 16 | 4.88 | 4.71 | 5.71 | 5.43 | 5.30 | 5.61 | 6.23 | 4.83 | 4.63 | 4.68 | 4.70 | 4.71 | |
| 17 | 4.73 | 4.72 | 5.89 | 5.38 | 5.25 | 5.48 | 6.88 | 4.83 | 4.62 | 4.64 | 4.70 | 4.71 | |
| 18 | 4.70 | 4.77 | 6.07 | 5.61 | 5.20 | 5.61 | 7.20 | 4.83 | 4.62 | 4.63 | 4.70 | 4.71 | |
| 19 | 4.77 | 4.87 | 6.48 | 5.77 | 5.19 | 5.74 | 6.67 | 4.83 | 4.62 | 4.63 | 4.70 | 4.71 | |
| 20 | 4.93 | 4.89 | 6.11 | 5.84 | 5.19 | 6.14 | 6.14 | 4.83 | 4.61 | 4.63 | 4.70 | 4.72 | |
| 21 | 5.40 | 5.00 | 5.90 | 5.81 | 5.34 | 5.89 | 5.93 | 4.80 | 4.61 | 4.63 | 4.70 | 4.72 | |
| 22 | 4.99 | 5.38 | 6.05 | 5.78 | 5.26 | 5.99 | 5.82 | 4.77 | 4.60 | 4.63 | 4.70 | 4.72 | |
| 23 | 4.92 | 6.28 | 5.97 | 5.81 | 5.20 | 6.35 | 5.68 | 4.73 | 4.60 | 4.63 | 4.70 | 4.73 | |
| 24 | 4.80 | 5.68 | 5.85 | 5.70 | 5.26 | 6.64 | 5.52 | 4.70 | 4.60 | 4.65 | 4.69 | 4.74 | |
| 25 | 4.75 | 5.58 | 5.81 | 5.64 | 5.21 | 6.41 | 5.43 | 4.68 | 4.62 | 4.71 | 4.66 | 4.74 | |
| 26 | 4.73 | 5.25 | 6.09 | 5.61 | 4.87 | 6.14 | 5.38 | 4.68 | 4.62 | 4.67 | 4.65 | 4.74 | |
| 27 | 4.72 | 5.22 | 6.28 | 5.60 | 4.81 | 6.40 | 5.30 | 4.65 | 4.62 | 4.65 | 4.64 | 4.73 | |
| 28 | 4.71 | 4.99 | 6.22 | 5.58 | 4.82 | 6.99 | 5.32 | 4.65 | 4.70 | 4.63 | 4.64 | 4.72 | |
| 29 | 4.74 | 5.22 | 6.09 | 5.56 | 4.89 | 7.26 | 5.78 | 4.67 | 4.68 | 4.63 | | 4.72 | |
| 30 | 4.73 | 5.18 | 6.03 | 5.55 | 5.11 | 7.08 | 5.93 | 4.67 | 4.65 | 4.63 | | 4.72 | |
| 31 | | 5.36 | | 5.59 | 5.47 | | 6.08 | | 4.64 | 4.63 | | 4.72 | |
| Mean | 4.81 | 4.96 | 6.03 | 5.74 | 5.39 | 6.04 | 6.41 | 4.85 | 4.64 | 4.64 | 4.67 | 4.70 | |
| Max | 5.40 | 6.28 | 6.85 | 6.95 | 6.21 | 7.27 | 7.99 | 5.94 | 4.70 | 4.72 | 4.71 | 4.74 | 7.99 |
| Min | 4.61 | 4.67 | 5.70 | 5.31 | 4.81 | 4.96 | 5.30 | 4.65 | 4.60 | 4.60 | 4.62 | 4.63 | 4.60 |

Annual Max Momentary Gage Height 8.00 m. (MSL.) , at 09.00 Hours, on Oct 7, 2006

Zero Gage at Bottom Elevation 2.63 m. (MSL.) , River Bed 3.57 m. (MSL.)

Left Bank Elevation 9.99 m. (MSL.) ,

Right Bank Elevation 9.94 m. (MSL.) , Drainage Are 1,236 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.10 | 5.15 | 34.18 | 37.83 | 38.12 | 22.75 | 67.00 | 34.18 | 4.55 | 4.10 | 3.95 | 4.10 | | |
| 2 | 4.85 | 4.85 | 42.47 | 54.88 | 41.89 | 20.50 | 61.22 | 27.16 | 4.40 | 3.95 | 3.95 | 4.40 | | |
| 3 | 4.10 | 4.85 | 31.21 | 65.30 | 40.15 | 12.84 | 58.84 | 23.25 | 4.40 | 3.95 | 3.95 | 4.55 | | |
| 4 | 3.95 | 4.85 | 37.83 | 58.84 | 33.91 | 11.76 | 53.60 | 8.25 | 4.25 | 3.95 | 3.95 | 4.55 | | |
| 5 | 3.80 | 5.00 | 56.48 | 41.02 | 29.86 | 9.50 | 50.10 | 7.25 | 4.25 | 3.95 | 3.95 | 4.40 | | |
| 6 | 3.65 | 5.15 | 61.90 | 34.18 | 29.05 | 15.75 | 90.45 | 6.50 | 4.25 | 3.80 | 3.80 | 4.10 | | |
| 7 | 6.05 | 6.35 | 41.60 | 27.97 | 27.43 | 26.62 | 103.22 | 6.20 | 4.25 | 3.80 | 3.80 | 3.95 | | |
| 8 | 7.25 | 6.95 | 33.64 | 23.50 | 25.81 | 32.56 | 72.04 | 6.05 | 4.10 | 3.65 | 3.80 | 4.40 | | |
| 9 | 7.70 | 5.75 | 36.67 | 21.25 | 25.00 | 33.10 | 37.83 | 5.75 | 4.10 | 3.65 | 3.95 | 5.00 | | |
| 10 | 7.85 | 5.30 | 33.64 | 19.75 | 24.50 | 27.70 | 26.35 | 5.75 | 3.95 | 3.50 | 4.55 | 5.15 | | |
| 11 | 7.85 | 4.70 | 29.05 | 19.00 | 23.25 | 37.25 | 52.32 | 5.60 | 3.95 | 3.50 | 5.15 | 5.15 | | |
| 12 | 7.70 | 4.55 | 27.97 | 18.25 | 16.25 | 51.04 | 79.96 | 4.55 | 3.95 | 5.30 | 5.00 | 5.15 | | |
| 13 | 7.70 | 4.55 | 27.97 | 17.75 | 14.76 | 63.94 | 77.08 | 4.40 | 3.95 | 5.15 | 5.00 | 5.15 | | |
| 14 | 7.55 | 4.55 | 27.70 | 21.25 | 14.52 | 76.72 | 77.80 | 6.05 | 3.95 | 5.00 | 5.00 | 5.15 | | |
| 15 | 7.70 | 4.55 | 28.78 | 22.50 | 15.50 | 45.66 | 53.28 | 6.95 | 3.95 | 5.00 | 5.00 | 5.15 | | |
| 16 | 7.70 | 5.15 | 27.97 | 20.75 | 17.50 | 25.27 | 42.47 | 6.95 | 3.95 | 4.70 | 5.00 | 5.15 | | |
| 17 | 5.45 | 5.30 | 32.83 | 19.50 | 16.25 | 22.00 | 62.92 | 6.95 | 3.80 | 4.10 | 5.00 | 5.15 | | |
| 18 | 5.00 | 6.05 | 37.83 | 25.27 | 15.00 | 25.27 | 74.20 | 6.95 | 3.80 | 3.95 | 5.00 | 5.15 | | |
| 19 | 6.05 | 7.55 | 49.80 | 29.59 | 14.76 | 28.78 | 55.84 | 6.95 | 3.80 | 3.95 | 5.00 | 5.15 | | |
| 20 | 8.75 | 7.85 | 38.99 | 31.48 | 14.76 | 39.86 | 39.86 | 6.95 | 3.65 | 3.95 | 5.00 | 5.30 | | |
| 21 | 20.00 | 10.50 | 33.10 | 30.67 | 18.50 | 32.83 | 33.91 | 6.50 | 3.65 | 3.95 | 5.00 | 5.30 | | |
| 22 | 10.25 | 19.50 | 37.25 | 29.86 | 16.50 | 35.53 | 30.94 | 6.05 | 3.50 | 3.95 | 5.00 | 5.30 | | |
| 23 | 8.50 | 43.92 | 34.99 | 30.67 | 15.00 | 45.95 | 27.16 | 5.45 | 3.50 | 3.95 | 5.00 | 5.45 | | |
| 24 | 6.50 | 27.16 | 31.75 | 27.70 | 16.50 | 54.88 | 23.00 | 5.00 | 3.50 | 4.25 | 4.85 | 5.60 | | |
| 25 | 5.75 | 24.50 | 30.67 | 26.08 | 15.25 | 47.70 | 20.75 | 4.70 | 3.80 | 5.15 | 4.40 | 5.60 | | |
| 26 | 5.45 | 16.25 | 38.41 | 25.27 | 7.55 | 39.86 | 19.50 | 4.70 | 3.80 | 4.55 | 4.25 | 5.60 | | |
| 27 | 5.30 | 15.50 | 43.92 | 25.00 | 6.65 | 47.40 | 17.50 | 4.25 | 3.80 | 4.25 | 4.10 | 5.45 | | |
| 28 | 5.15 | 10.25 | 42.18 | 24.50 | 6.80 | 66.66 | 18.00 | 4.25 | 5.00 | 3.95 | 4.10 | 5.30 | | |
| 29 | 5.60 | 15.50 | 38.41 | 24.00 | 7.85 | 76.36 | 29.86 | 4.55 | 4.70 | 3.95 | | 5.30 | | |
| 30 | 5.45 | 14.52 | 36.67 | 23.75 | 12.84 | 69.88 | 33.91 | 4.55 | 4.25 | 3.95 | | 5.30 | | |
| 31 | | 19.00 | | 24.75 | 21.75 | | 38.12 | | 4.10 | 3.95 | | 5.30 | | |
| Total | 205.70 | 325.60 | 1105.86 | 902.11 | 623.46 | 1145.92 | 1529.03 | 242.64 | 124.85 | 128.75 | 126.50 | 155.75 | 6616.17 | CMSDAY |
| Mean | 6.86 | 10.50 | 36.86 | 29.10 | 20.11 | 38.20 | 49.32 | 8.09 | 4.03 | 4.15 | 4.52 | 5.02 | 18.13 | CMS |
| Max | 20.00 | 43.92 | 61.90 | 65.30 | 41.89 | 76.72 | 103.22 | 34.18 | 5.00 | 5.30 | 5.15 | 5.60 | 103.22 | CMS |
| Min | 3.65 | 4.55 | 27.70 | 17.75 | 6.65 | 9.50 | 17.50 | 4.25 | 3.50 | 3.50 | 3.80 | 3.95 | 3.50 | CMS |
| Runoff | 17.77 | 28.13 | 95.55 | 77.94 | 53.87 | 99.01 | 132.11 | 20.96 | 10.79 | 11.12 | 10.93 | 13.46 | 571.64 | MCM |

Momentary Peak 103.60 CMS, at 8.00 m. (MSL.), at 09.00 Hours, on Oct 7, 2006

Runoff Yield 14.67 Liters/Second/Square KM. Momentary Peak Yield 83.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Chanthaburi River at Ban Puk , Chanthaburi (Z.13)

Lat 12 - 45 - 38 N Long 102 - 08 - 33 E

**Location : on left bank at Ban Puk**

| | | | |
|---|---|---|---|
| | **Ban** Puk | **Amphoe** Makham | **Changwat** Chanthaburi |
| **Drainge Area** | 647 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +6.300 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +14.374 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1968 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1969 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1969 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +12.870 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 40 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

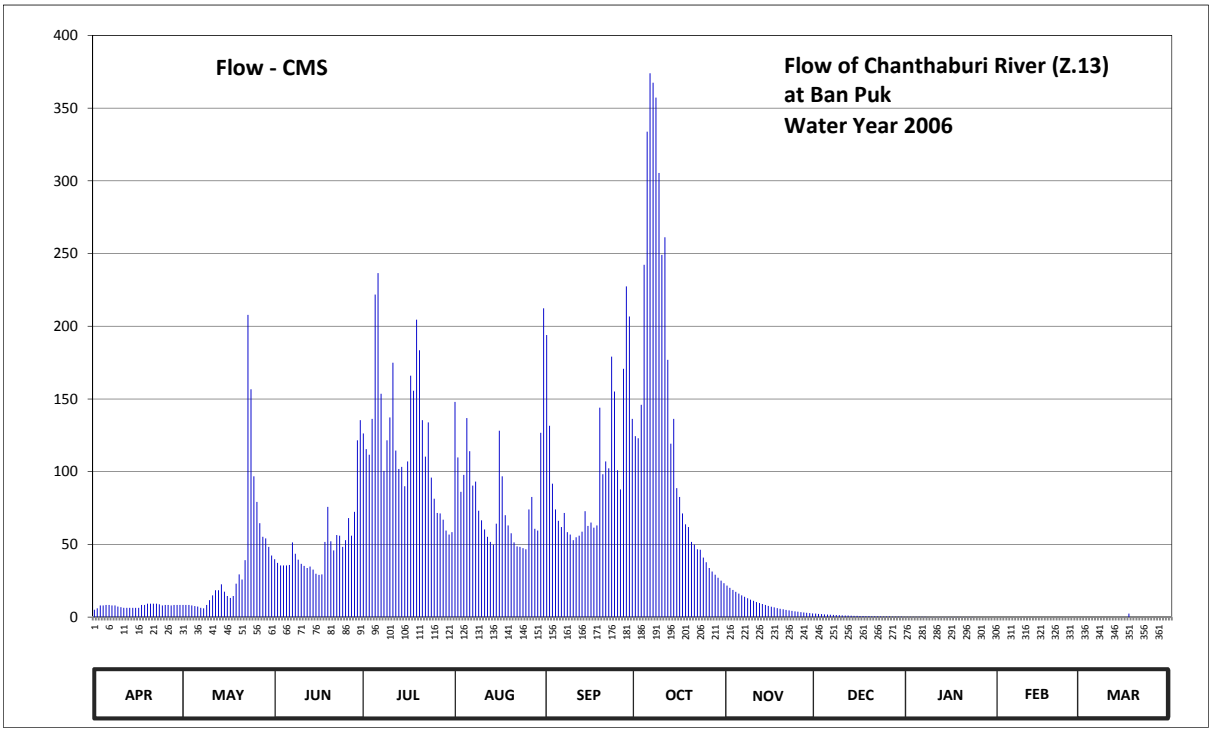
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.57 | 8.66 | 7.44 | 9.47 | 9.92 | 10.79 | 9.43 | 7.96 | 8.70 | 8.51 | 8.44 | 8.48 | |
| 2 | 8.60 | 8.66 | 7.37 | 9.24 | 9.12 | 9.58 | 9.40 | 8.79 | 8.63 | 8.49 | 8.44 | 8.49 | |
| 3 | 8.65 | 8.66 | 7.32 | 9.16 | 8.60 | 8.73 | 9.88 | 8.76 | 8.63 | 8.49 | 8.44 | 8.46 | |
| 4 | 8.65 | 8.65 | 7.32 | 9.68 | 8.86 | 8.32 | 11.65 | 8.73 | 8.67 | 8.49 | 8.44 | 8.45 | |
| 5 | 8.66 | 8.64 | 7.32 | 11.29 | 9.69 | 8.12 | 13.17 | 8.70 | 8.66 | 8.49 | 8.44 | 8.44 | |
| 6 | 8.66 | 8.63 | 7.33 | 11.55 | 9.21 | 8.01 | 13.80 | 8.67 | 8.65 | 8.49 | 8.45 | 8.44 | |
| 7 | 8.65 | 8.61 | 7.74 | 10.03 | 8.70 | 8.26 | 13.70 | 8.66 | 8.65 | 8.48 | 8.45 | 8.45 | |
| 8 | 8.65 | 8.60 | 7.54 | 8.92 | 8.76 | 7.92 | 13.54 | 8.63 | 8.64 | 8.48 | 8.45 | 8.45 | |
| 9 | 8.63 | 8.66 | 7.43 | 9.37 | 8.30 | 7.88 | 12.72 | 8.60 | 8.61 | 8.47 | 8.45 | 8.45 | |
| 10 | 8.62 | 8.74 | 7.35 | 9.70 | 8.13 | 7.78 | 11.77 | 8.60 | 8.58 | 8.46 | 8.45 | 8.44 | |
| 11 | 8.61 | 8.82 | 7.31 | 10.44 | 7.97 | 7.83 | 11.98 | 8.59 | 8.57 | 8.46 | 8.44 | 8.45 | |
| 12 | 8.61 | 8.89 | 7.27 | 9.22 | 7.84 | 7.86 | 10.48 | 8.56 | 8.55 | 8.46 | 8.43 | 8.45 | |
| 13 | 8.61 | 8.89 | 7.30 | 8.95 | 7.75 | 7.93 | 9.32 | 8.52 | 8.55 | 8.46 | 8.44 | 8.47 | |
| 14 | 8.61 | 8.97 | 7.24 | 8.98 | 7.70 | 8.29 | 9.68 | 8.43 | 8.55 | 8.45 | 8.44 | 8.49 | |
| 15 | 8.61 | 8.87 | 7.16 | 8.69 | 8.07 | 8.03 | 8.66 | 6.59 | 8.58 | 8.45 | 8.44 | 8.49 | |
| 16 | 8.61 | 8.81 | 7.14 | 9.06 | 9.51 | 8.09 | 8.52 | 7.56 | 8.59 | 8.45 | 8.44 | 8.48 | |
| 17 | 8.66 | 8.78 | 7.15 | 10.27 | 8.84 | 8.00 | 8.25 | 8.82 | 8.57 | 8.45 | 8.44 | 8.48 | |
| 18 | 8.66 | 8.81 | 7.75 | 10.07 | 8.22 | 8.04 | 8.06 | 8.73 | 8.56 | 8.44 | 8.43 | 8.48 | |
| 19 | 8.68 | 8.98 | 8.36 | 10.98 | 8.04 | 9.84 | 8.01 | 8.71 | 8.56 | 8.44 | 8.44 | 8.48 | |
| 20 | 8.68 | 9.09 | 7.76 | 10.60 | 7.90 | 8.87 | 7.75 | 8.71 | 8.56 | 8.44 | 8.43 | 8.48 | |
| 21 | 8.68 | 9.03 | 7.60 | 9.66 | 7.74 | 9.06 | 7.70 | 8.74 | 8.56 | 8.44 | 8.44 | 8.48 | |
| 22 | 8.68 | 9.24 | 7.87 | 9.13 | 7.67 | 8.96 | 7.62 | 8.76 | 8.54 | 8.44 | 8.43 | 8.48 | |
| 23 | 8.67 | 11.04 | 7.86 | 9.63 | 7.66 | 10.52 | 7.61 | 8.78 | 8.53 | 8.43 | 8.45 | 8.48 | |
| 24 | 8.65 | 10.09 | 7.66 | 8.82 | 7.64 | 10.06 | 7.47 | 8.79 | 8.53 | 8.43 | 8.45 | 8.49 | |
| 25 | 8.66 | 8.84 | 7.78 | 8.49 | 7.62 | 8.93 | 7.38 | 8.79 | 8.53 | 8.43 | 8.46 | 8.49 | |
| 26 | 8.66 | 8.44 | 8.17 | 8.26 | 8.32 | 8.64 | 7.27 | 8.74 | 8.53 | 8.43 | 8.46 | 8.49 | |
| 27 | 8.65 | 8.08 | 7.86 | 8.25 | 8.52 | 10.36 | 7.47 | 8.70 | 8.52 | 8.42 | 8.44 | 8.49 | |
| 28 | 8.66 | 7.84 | 8.28 | 8.14 | 7.98 | 11.39 | 8.84 | 8.72 | 8.51 | 8.43 | 8.44 | 8.49 | |
| 29 | 8.66 | 7.81 | 9.37 | 7.95 | 7.95 | 11.02 | 8.74 | 8.73 | 8.51 | 8.43 | | 8.49 | |
| 30 | 8.66 | 7.66 | 9.66 | 7.88 | 9.48 | 9.68 | 7.60 | 8.71 | 8.51 | 8.44 | | 8.49 | |
| 31 | | 7.51 | | 7.92 | 11.12 | | 7.54 | | 8.51 | 8.45 | | 8.49 | |
| Mean | 8.64 | 8.74 | 7.69 | 9.35 | 8.48 | 8.89 | 9.52 | 8.56 | 8.58 | 8.46 | 8.44 | 8.47 | |
| Max | 8.68 | 11.04 | 9.66 | 11.55 | 11.12 | 11.39 | 13.80 | 8.82 | 8.70 | 8.51 | 8.46 | 8.49 | 13.80 |
| Min | 8.57 | 7.51 | 7.14 | 7.88 | 7.62 | 7.78 | 7.27 | 6.59 | 8.51 | 8.42 | 8.43 | 8.44 | 6.59 |

Annual Max Momentary Gage Height 13.84 m. (MSL.) , at 15.00 Hours, on Oct 6, 2006

Zero Gage at Bottom Elevation 6.30 m. (MSL.) , River Bed 5.07 m. (MSL.)

Left Bank Elevation 13.38 m. (MSL.) ,

Right Bank Elevation 12.86 m. (MSL.) , Drainage Are 647 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.10 | 8.40 | 39.84 | 126.29 | 148.00 | 193.95 | 124.41 | 21.68 | 2.38 | 0.24 | 0.02 | 0.00 | | |
| 2 | 6.00 | 8.40 | 37.32 | 115.48 | 109.84 | 131.54 | 123.00 | 20.14 | 2.21 | 0.23 | 0.02 | 0.00 | | |
| 3 | 8.00 | 8.40 | 35.52 | 111.72 | 86.10 | 91.78 | 146.02 | 18.71 | 2.05 | 0.21 | 0.02 | 0.00 | | |
| 4 | 8.00 | 8.00 | 35.52 | 136.34 | 97.76 | 74.06 | 242.25 | 17.38 | 1.91 | 0.20 | 0.02 | 0.00 | | |
| 5 | 8.40 | 7.60 | 35.52 | 221.84 | 136.82 | 66.18 | 333.81 | 16.15 | 1.77 | 0.18 | 0.02 | 0.00 | | |
| 6 | 8.40 | 7.20 | 35.88 | 236.55 | 114.07 | 61.89 | 374.00 | 15.00 | 1.65 | 0.17 | 0.02 | 0.00 | | |
| 7 | 8.00 | 6.40 | 51.36 | 153.56 | 90.40 | 71.64 | 367.50 | 13.93 | 1.53 | 0.16 | 0.02 | 0.00 | | |
| 8 | 8.00 | 6.00 | 43.56 | 100.52 | 93.16 | 58.38 | 357.26 | 12.94 | 1.42 | 0.15 | 0.01 | 0.00 | | |
| 9 | 7.20 | 8.40 | 39.48 | 121.59 | 73.20 | 56.82 | 305.46 | 12.03 | 1.32 | 0.14 | 0.01 | 0.00 | | |
| 10 | 6.80 | 11.60 | 36.60 | 137.30 | 66.57 | 52.92 | 249.09 | 11.17 | 1.23 | 0.13 | 0.01 | 0.00 | | |
| 11 | 6.40 | 15.00 | 35.16 | 174.88 | 60.33 | 54.87 | 261.24 | 10.38 | 1.14 | 0.12 | 0.01 | 0.00 | | |
| 12 | 6.40 | 18.50 | 33.72 | 114.54 | 55.26 | 56.04 | 176.96 | 9.64 | 1.06 | 0.11 | 0.01 | 0.00 | | |
| 13 | 6.40 | 18.50 | 34.80 | 101.90 | 51.75 | 58.77 | 119.24 | 8.96 | 0.98 | 0.10 | 0.01 | 0.00 | | |
| 14 | 6.40 | 22.50 | 32.64 | 103.28 | 49.80 | 72.81 | 136.34 | 8.32 | 0.91 | 0.09 | 0.01 | 0.00 | | |
| 15 | 6.40 | 17.50 | 29.76 | 89.97 | 64.23 | 62.67 | 88.68 | 7.73 | 0.85 | 0.09 | 0.01 | 0.00 | | |
| 16 | 6.40 | 14.50 | 29.04 | 107.02 | 128.18 | 65.01 | 82.66 | 7.18 | 0.79 | 0.08 | 0.01 | 0.00 | | |
| 17 | 8.40 | 13.20 | 29.40 | 166.04 | 96.84 | 61.50 | 71.25 | 6.67 | 0.73 | 0.08 | 0.01 | 2.40 | | |
| 18 | 8.40 | 14.50 | 51.75 | 155.64 | 70.08 | 63.06 | 63.84 | 6.20 | 0.68 | 0.07 | 0.01 | 0.00 | | |
| 19 | 9.20 | 23.00 | 75.78 | 204.48 | 63.06 | 144.06 | 61.89 | 5.76 | 0.63 | 0.06 | 0.01 | 0.00 | | |
| 20 | 9.20 | 29.40 | 52.14 | 183.50 | 57.60 | 98.22 | 51.75 | 5.35 | 0.59 | 0.06 | 0.01 | 0.00 | | |
| 21 | 9.20 | 25.80 | 45.90 | 135.38 | 51.36 | 107.02 | 49.80 | 4.97 | 0.55 | 0.06 | 0.01 | 0.00 | | |
| 22 | 9.20 | 39.20 | 56.43 | 110.31 | 48.63 | 102.36 | 46.68 | 4.62 | 0.51 | 0.05 | 0.01 | 0.00 | | |
| 23 | 8.80 | 207.84 | 56.04 | 133.94 | 48.24 | 179.10 | 46.29 | 4.29 | 0.47 | 0.05 | 0.00 | 0.00 | | |
| 24 | 8.00 | 156.68 | 48.24 | 95.92 | 47.46 | 155.12 | 40.92 | 3.98 | 0.44 | 0.04 | 0.00 | 0.00 | | |
| 25 | 8.40 | 96.84 | 52.92 | 81.37 | 46.68 | 100.98 | 37.68 | 3.70 | 0.41 | 0.04 | 0.00 | 0.00 | | |
| 26 | 8.40 | 79.22 | 68.13 | 71.64 | 74.06 | 87.82 | 33.72 | 3.44 | 0.38 | 0.04 | 0.00 | 0.00 | | |
| 27 | 8.00 | 64.62 | 56.04 | 71.25 | 82.66 | 170.72 | 31.33 | 3.19 | 0.35 | 0.04 | 0.00 | 0.00 | | |
| 28 | 8.40 | 55.26 | 72.42 | 66.96 | 60.72 | 227.44 | 29.10 | 2.97 | 0.33 | 0.03 | 0.00 | 0.00 | | |
| 29 | 8.40 | 54.09 | 121.59 | 59.55 | 59.55 | 206.72 | 27.04 | 2.76 | 0.30 | 0.03 | | 0.00 | | |
| 30 | 8.40 | 48.24 | 135.38 | 56.82 | 126.76 | 136.34 | 25.12 | 2.56 | 0.28 | 0.03 | | 0.00 | | |
| 31 | | 42.39 | | 58.38 | 212.32 | | 23.33 | | 0.26 | 0.03 | | 0.00 | | |
| Total | 232.70 | 1137.18 | 1507.88 | 3803.96 | 2571.49 | 3069.79 | 4127.66 | 271.80 | 30.11 | 3.11 | 0.29 | 2.40 | 16758.37 | CMSDAY |
| Mean | 7.76 | 36.68 | 50.26 | 122.71 | 82.95 | 102.33 | 133.15 | 9.06 | 0.97 | 0.10 | 0.01 | 0.08 | 45.91 | CMS |
| Max | 9.20 | 207.84 | 135.38 | 236.55 | 212.32 | 227.44 | 374.00 | 21.68 | 2.38 | 0.24 | 0.02 | 2.40 | 374.00 | CMS |
| Min | 5.10 | 6.00 | 29.04 | 56.82 | 46.68 | 52.92 | 23.33 | 2.56 | 0.26 | 0.03 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 20.11 | 98.25 | 130.28 | 328.66 | 222.18 | 265.23 | 356.63 | 23.48 | 2.60 | 0.27 | 0.03 | 0.21 | 1447.92 | MCM |

Momentary Peak 376.60 CMS, at 13.84 m. (MSL.), at 15.00 Hours, on Oct 6, 2006

Runoff Yield 70.96 Liters/Second/Square KM. Momentary Peak Yield 582.07 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Phayat at Ban Chaman , Chanthaburi (Z.14)

Lat 12 - 44 - 34 N Long 102 - 12 - 35 E

**Location : on left bank at the bridge of Khlong Prayat near Wat Chaman.**

| | | | |
|---|---|---|---|
| | **Ban** Chaman | **Amphoe** Makham | **Changwat** Chanthaburi |
| **Drainge Area** | 229 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +5.400 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 30 meters from the top staff gage. | **Elevation** +13.690 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1968 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1986 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1986 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +13.360 m.(MSL.) and is including overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 35 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

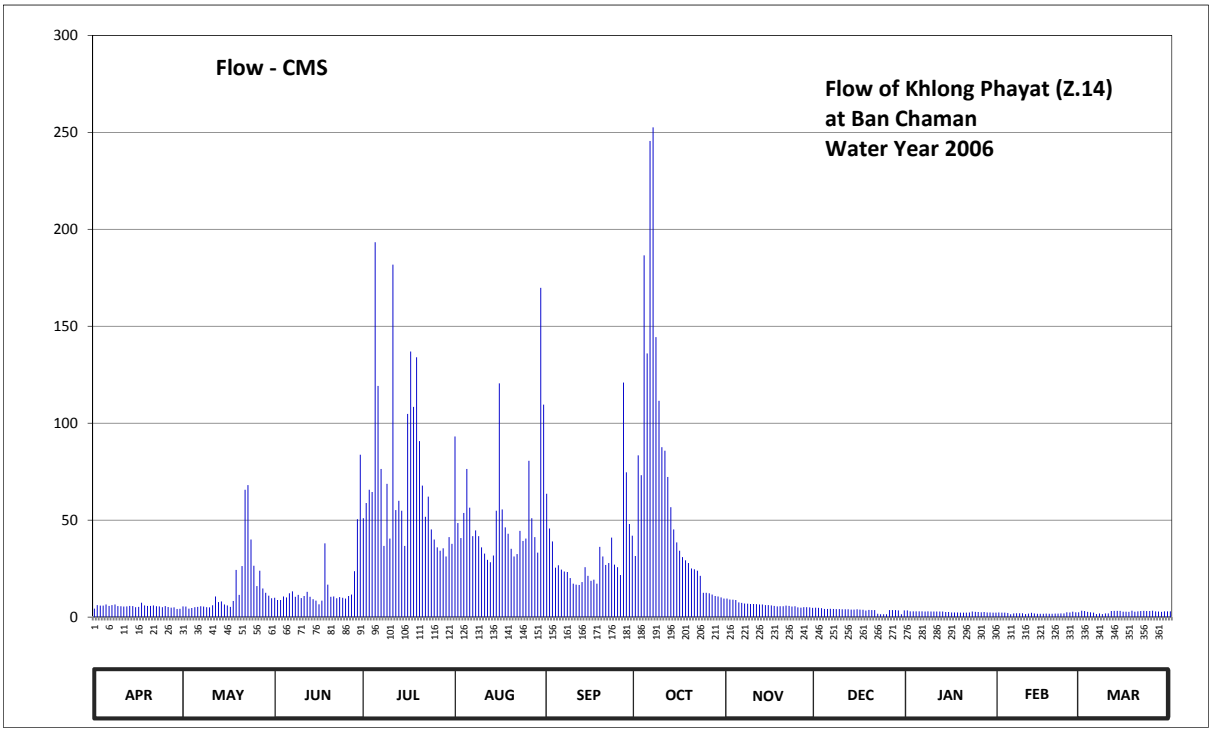
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.54 | 6.65 | 7.00 | 8.98 | 10.32 | 9.42 | 8.20 | 6.97 | 6.59 | 6.45 | 6.34 | 6.43 | |
| 2 | 6.72 | 6.64 | 6.92 | 9.26 | 8.88 | 8.77 | 10.04 | 6.94 | 6.58 | 6.40 | 6.33 | 6.41 | |
| 3 | 6.69 | 6.54 | 6.92 | 9.49 | 8.57 | 8.50 | 9.74 | 6.93 | 6.56 | 6.40 | 6.33 | 6.37 | |
| 4 | 6.69 | 6.57 | 7.04 | 9.45 | 9.09 | 7.90 | 12.21 | 6.92 | 6.52 | 6.40 | 6.31 | 6.35 | |
| 5 | 6.75 | 6.61 | 7.01 | 12.32 | 9.84 | 7.96 | 11.32 | 6.84 | 6.52 | 6.40 | 6.25 | 6.33 | |
| 6 | 6.68 | 6.63 | 7.15 | 10.96 | 9.18 | 7.85 | 13.08 | 6.82 | 6.53 | 6.40 | 6.29 | 6.26 | |
| 7 | 6.72 | 6.66 | 7.22 | 9.84 | 8.61 | 7.80 | 13.18 | 6.80 | 6.52 | 6.39 | 6.30 | 6.29 | |
| 8 | 6.75 | 6.64 | 7.03 | 8.41 | 8.73 | 7.79 | 11.48 | 6.79 | 6.51 | 6.40 | 6.30 | 6.26 | |
| 9 | 6.67 | 6.61 | 7.10 | 9.59 | 8.61 | 7.63 | 10.79 | 6.78 | 6.51 | 6.39 | 6.30 | 6.29 | |
| 10 | 6.66 | 6.60 | 6.99 | 8.56 | 8.38 | 7.48 | 10.16 | 6.78 | 6.50 | 6.39 | 6.26 | 6.29 | |
| 11 | 6.64 | 6.71 | 7.06 | 12.13 | 8.25 | 7.45 | 10.11 | 6.77 | 6.50 | 6.39 | 6.28 | 6.41 | |
| 12 | 6.65 | 7.04 | 7.20 | 9.14 | 8.10 | 7.44 | 9.71 | 6.75 | 6.50 | 6.39 | 6.32 | 6.42 | |
| 13 | 6.68 | 6.85 | 7.03 | 9.30 | 8.04 | 7.53 | 9.19 | 6.75 | 6.49 | 6.39 | 6.29 | 6.42 | |
| 14 | 6.67 | 6.87 | 6.95 | 9.13 | 8.21 | 7.91 | 8.75 | 6.72 | 6.49 | 6.36 | 6.27 | 6.42 | |
| 15 | 6.61 | 6.75 | 6.90 | 8.41 | 9.13 | 7.69 | 8.48 | 6.72 | 6.50 | 6.36 | 6.27 | 6.38 | |
| 16 | 6.63 | 6.70 | 6.76 | 10.62 | 10.99 | 7.56 | 8.31 | 6.70 | 6.49 | 6.34 | 6.27 | 6.38 | |
| 17 | 6.83 | 6.63 | 6.90 | 11.34 | 9.15 | 7.59 | 8.17 | 6.68 | 6.48 | 6.34 | 6.28 | 6.37 | |
| 18 | 6.70 | 6.89 | 8.46 | 10.71 | 8.79 | 7.48 | 8.09 | 6.65 | 6.44 | 6.34 | 6.27 | 6.43 | |
| 19 | 6.68 | 7.84 | 7.45 | 11.28 | 8.66 | 8.39 | 8.02 | 6.66 | 6.47 | 6.33 | 6.27 | 6.38 | |
| 20 | 6.68 | 7.10 | 7.03 | 10.25 | 8.35 | 8.19 | 7.88 | 6.66 | 6.46 | 6.33 | 6.28 | 6.40 | |
| 21 | 6.70 | 7.94 | 7.04 | 9.56 | 8.19 | 7.97 | 7.86 | 6.69 | 6.46 | 6.33 | 6.28 | 6.41 | |
| 22 | 6.66 | 9.49 | 6.98 | 9.01 | 8.24 | 8.02 | 7.82 | 6.68 | 6.27 | 6.34 | 6.29 | 6.42 | |
| 23 | 6.65 | 9.57 | 7.02 | 9.37 | 8.72 | 8.58 | 7.69 | 6.64 | 6.25 | 6.39 | 6.29 | 6.41 | |
| 24 | 6.61 | 8.54 | 7.00 | 8.75 | 8.51 | 7.98 | 7.17 | 6.66 | 6.25 | 6.37 | 6.35 | 6.41 | |
| 25 | 6.67 | 7.95 | 6.97 | 8.54 | 8.56 | 7.91 | 7.17 | 6.60 | 6.25 | 6.36 | 6.34 | 6.43 | |
| 26 | 6.62 | 7.40 | 7.06 | 8.38 | 9.96 | 7.71 | 7.15 | 6.59 | 6.46 | 6.35 | 6.38 | 6.40 | |
| 27 | 6.59 | 7.82 | 7.11 | 8.31 | 8.98 | 11.00 | 7.11 | 6.61 | 6.46 | 6.36 | 6.35 | 6.39 | |
| 28 | 6.60 | 7.32 | 7.81 | 8.36 | 8.59 | 9.79 | 7.06 | 6.61 | 6.46 | 6.34 | 6.35 | 6.37 | |
| 29 | 6.52 | 7.17 | 8.96 | 8.19 | 8.27 | 8.86 | 7.04 | 6.60 | 6.45 | 6.34 | | 6.40 | |
| 30 | 6.53 | 7.07 | 10.05 | 8.59 | 11.93 | 8.62 | 7.01 | 6.58 | 6.25 | 6.33 | | 6.40 | |
| 31 | | 6.98 | | 8.45 | 10.74 | | 6.97 | | 6.45 | 6.33 | | 6.40 | |
| Mean | 6.66 | 7.19 | 7.27 | 9.51 | 8.99 | 8.16 | 8.93 | 6.73 | 6.46 | 6.37 | 6.30 | 6.38 | |
| Max | 6.83 | 9.57 | 10.05 | 12.32 | 11.93 | 11.00 | 13.18 | 6.97 | 6.59 | 6.45 | 6.38 | 6.43 | 13.18 |
| Min | 6.52 | 6.54 | 6.76 | 8.19 | 8.04 | 7.44 | 6.97 | 6.58 | 6.25 | 6.33 | 6.25 | 6.26 | 6.25 |

Annual Max Momentary Gage Height 13.65 m. (MSL.) , at 12.00 Hours, on Oct 7, 2006

Zero Gage at Bottom Elevation 5.40 m. (MSL.) , River Bed 6.00 m. (MSL.)

Left Bank Elevation 13.41 m. (MSL.) ,

Right Bank Elevation 13.35 m. (MSL.) , Drainage Are 229 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.40 | 5.50 | 10.00 | 51.00 | 93.20 | 63.60 | 31.50 | 9.55 | 4.90 | 3.50 | 2.40 | 3.30 | | |
| 2 | 6.20 | 5.40 | 8.80 | 58.80 | 48.50 | 45.75 | 83.40 | 9.10 | 4.80 | 3.00 | 2.30 | 3.10 | | |
| 3 | 5.90 | 4.40 | 8.80 | 65.70 | 40.75 | 39.00 | 73.20 | 8.95 | 4.60 | 3.00 | 2.30 | 2.70 | | |
| 4 | 5.90 | 4.70 | 10.60 | 64.50 | 53.75 | 25.50 | 186.60 | 8.80 | 4.20 | 3.00 | 2.10 | 2.50 | | |
| 5 | 6.50 | 5.10 | 10.15 | 193.30 | 76.40 | 26.70 | 136.00 | 7.60 | 4.20 | 3.00 | 1.50 | 2.30 | | |
| 6 | 5.80 | 5.30 | 12.25 | 119.20 | 56.40 | 24.50 | 245.60 | 7.30 | 4.30 | 3.00 | 1.90 | 1.60 | | |
| 7 | 6.20 | 5.60 | 13.30 | 76.40 | 41.75 | 23.50 | 252.60 | 7.00 | 4.20 | 2.90 | 2.00 | 1.90 | | |
| 8 | 6.50 | 5.40 | 10.45 | 36.75 | 44.75 | 23.30 | 144.40 | 6.90 | 4.10 | 3.00 | 2.00 | 1.60 | | |
| 9 | 5.70 | 5.10 | 11.50 | 68.70 | 41.75 | 20.10 | 111.60 | 6.80 | 4.10 | 2.90 | 2.00 | 1.90 | | |
| 10 | 5.60 | 5.00 | 9.85 | 40.50 | 36.00 | 17.20 | 87.60 | 6.80 | 4.00 | 2.90 | 1.60 | 1.90 | | |
| 11 | 5.40 | 6.10 | 10.90 | 181.80 | 32.75 | 16.75 | 85.85 | 6.70 | 4.00 | 2.90 | 1.80 | 3.10 | | |
| 12 | 5.50 | 10.60 | 13.00 | 55.20 | 29.50 | 16.60 | 72.30 | 6.50 | 4.00 | 2.90 | 2.20 | 3.20 | | |
| 13 | 5.80 | 7.75 | 10.45 | 60.00 | 28.30 | 18.10 | 56.70 | 6.50 | 3.90 | 2.90 | 1.90 | 3.20 | | |
| 14 | 5.70 | 8.05 | 9.25 | 54.90 | 31.75 | 25.70 | 45.25 | 6.20 | 3.90 | 2.60 | 1.70 | 3.20 | | |
| 15 | 5.10 | 6.50 | 8.50 | 36.75 | 54.90 | 21.30 | 38.50 | 6.20 | 4.00 | 2.60 | 1.70 | 2.80 | | |
| 16 | 5.30 | 6.00 | 6.60 | 104.80 | 120.55 | 18.70 | 34.25 | 6.00 | 3.90 | 2.40 | 1.70 | 2.80 | | |
| 17 | 7.45 | 5.30 | 8.50 | 137.00 | 55.50 | 19.30 | 30.90 | 5.80 | 3.80 | 2.40 | 1.80 | 2.70 | | |
| 18 | 6.00 | 8.35 | 38.00 | 108.40 | 46.25 | 17.20 | 29.30 | 5.50 | 3.40 | 2.40 | 1.70 | 3.30 | | |
| 19 | 5.80 | 24.30 | 16.75 | 134.00 | 43.00 | 36.25 | 27.90 | 5.60 | 3.70 | 2.30 | 1.70 | 2.80 | | |
| 20 | 5.80 | 11.50 | 10.45 | 90.75 | 35.25 | 31.30 | 25.10 | 5.60 | 3.60 | 2.30 | 1.80 | 3.00 | | |
| 21 | 6.00 | 26.30 | 10.60 | 67.80 | 31.30 | 26.90 | 24.70 | 5.90 | 3.60 | 2.30 | 1.80 | 3.10 | | |
| 22 | 5.60 | 65.70 | 9.70 | 51.75 | 32.50 | 27.90 | 23.90 | 5.80 | 1.70 | 2.40 | 1.90 | 3.20 | | |
| 23 | 5.50 | 68.10 | 10.30 | 62.10 | 44.50 | 41.00 | 21.30 | 5.40 | 1.50 | 2.90 | 1.90 | 3.10 | | |
| 24 | 5.10 | 40.00 | 10.00 | 45.25 | 39.25 | 27.10 | 12.55 | 5.60 | 1.50 | 2.70 | 2.50 | 3.10 | | |
| 25 | 5.70 | 26.50 | 9.55 | 40.00 | 40.50 | 25.70 | 12.55 | 5.00 | 1.50 | 2.60 | 2.40 | 3.30 | | |
| 26 | 5.20 | 16.00 | 10.90 | 36.00 | 80.60 | 21.70 | 12.25 | 4.90 | 3.60 | 2.50 | 2.80 | 3.00 | | |
| 27 | 4.90 | 23.90 | 11.65 | 34.25 | 51.00 | 121.00 | 11.65 | 5.10 | 3.60 | 2.60 | 2.50 | 2.90 | | |
| 28 | 5.00 | 14.80 | 23.70 | 35.50 | 41.25 | 74.70 | 10.90 | 5.10 | 3.60 | 2.40 | 2.50 | 2.70 | | |
| 29 | 4.20 | 12.55 | 50.50 | 31.30 | 33.25 | 48.00 | 10.60 | 5.00 | 3.50 | 2.40 | | 3.00 | | |
| 30 | 4.30 | 11.05 | 83.75 | 41.25 | 169.80 | 42.00 | 10.15 | 4.80 | 1.50 | 2.30 | | 3.00 | | |
| 31 | | 9.70 | | 37.75 | 109.60 | | 9.55 | | 3.50 | 2.30 | | 3.00 | | |
| Total | 168.05 | 460.55 | 468.75 | 2221.40 | 1684.55 | 986.35 | 1958.65 | 192.00 | 110.70 | 83.30 | 56.40 | 86.30 | 8477.00 | CMSDAY |
| Mean | 5.60 | 14.86 | 15.62 | 71.66 | 54.34 | 32.88 | 63.18 | 6.40 | 3.57 | 2.69 | 2.01 | 2.78 | 23.22 | CMS |
| Max | 7.45 | 68.10 | 83.75 | 193.30 | 169.80 | 121.00 | 252.60 | 9.55 | 4.90 | 3.50 | 2.80 | 3.30 | 252.60 | CMS |
| Min | 4.20 | 4.40 | 6.60 | 31.30 | 28.30 | 16.60 | 9.55 | 4.80 | 1.50 | 2.30 | 1.50 | 1.60 | 1.50 | CMS |
| Runoff | 14.52 | 39.79 | 40.50 | 191.93 | 145.55 | 85.22 | 169.23 | 16.59 | 9.56 | 7.20 | 4.87 | 7.46 | 732.41 | MCM |

Momentary Peak 288.50 CMS, at 13.65 m. (MSL.), at 12.00 Hours, on Oct 7, 2006

Runoff Yield 101.38 Liters/Second/Square KM. Momentary Peak Yield 1259.39 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Phlo at Ban Chamkho , Rayong (Z.18)

Lat 12 - 57 - 18 N Long 101 - 40 - 32 E

**Location : on right bank at the bridge on road.**

**Ban** Chamkho **Amphoe** Khao Chamao **Changwat** Rayong

| | |
|---|---|
| **Drainge Area** | 201 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +28.146 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank near the top staff gage. **Elevation** +35.314 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1982 to date |
| **Rating Operation** | |
| **Period of Rating** | 1983 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1983 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow regulated by the concrete weir about 1.5 kilometers downstream from the gage site. Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

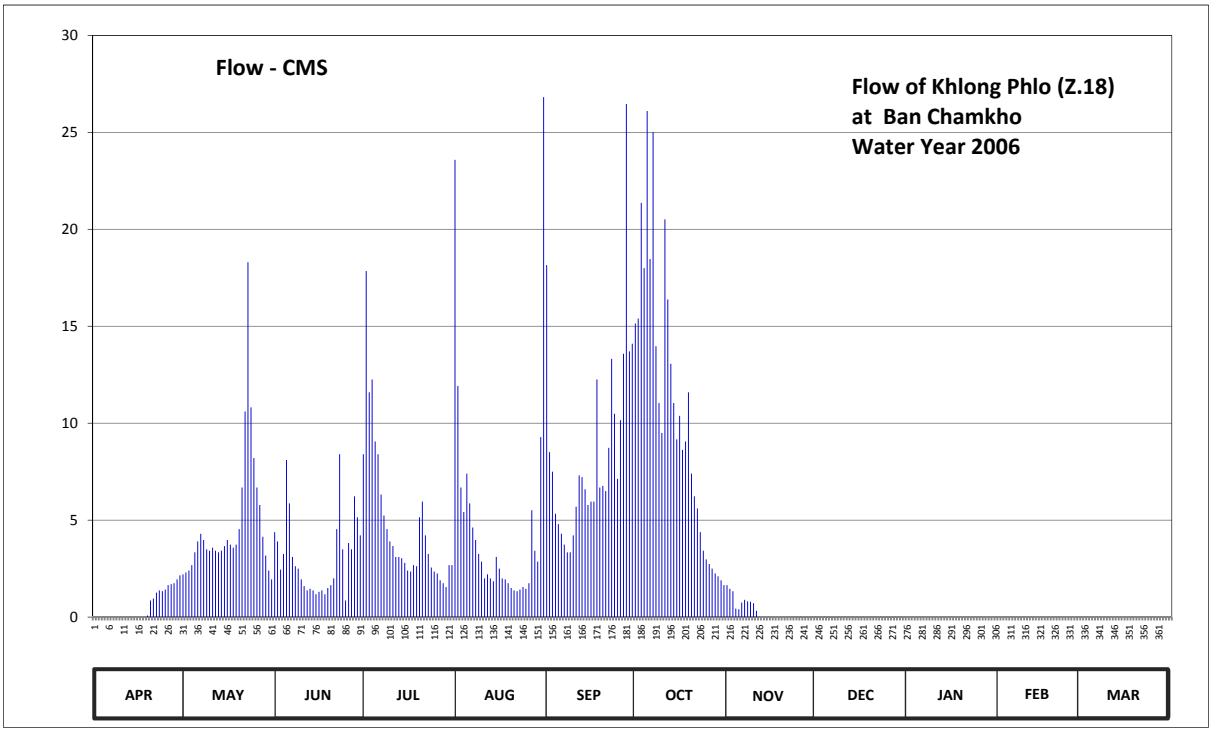
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29.65 | 30.04 | 30.36 | 30.80 | 31.91 | 31.59 | 31.38 | 29.93 | 31.40 | 30.78 | 29.88 | 28.95 | |
| 2 | 29.61 | 30.06 | 30.30 | 31.57 | 31.12 | 30.81 | 31.40 | 29.89 | 31.39 | 30.75 | 29.82 | 28.95 | |
| 3 | 29.59 | 30.08 | 30.09 | 31.09 | 30.62 | 30.71 | 31.78 | 29.86 | 31.39 | 30.73 | 29.78 | 28.95 | |
| 4 | 29.56 | 30.13 | 30.22 | 31.15 | 30.48 | 30.47 | 31.58 | 29.61 | 31.38 | 30.70 | 29.76 | 28.94 | |
| 5 | 29.53 | 30.23 | 30.77 | 30.86 | 30.70 | 30.41 | 32.05 | 29.60 | 31.38 | 30.68 | 29.71 | 28.93 | |
| 6 | 29.49 | 30.30 | 30.53 | 30.80 | 30.53 | 30.35 | 31.61 | 29.70 | 31.37 | 30.64 | 29.67 | 28.90 | |
| 7 | 29.43 | 30.35 | 30.20 | 30.58 | 30.39 | 30.28 | 31.99 | 29.74 | 31.36 | 30.61 | 29.65 | 28.89 | |
| 8 | 29.37 | 30.31 | 30.12 | 30.46 | 30.31 | 30.23 | 31.29 | 29.72 | 31.36 | 30.57 | 29.61 | 28.90 | |
| 9 | 29.33 | 30.25 | 30.10 | 30.38 | 30.22 | 30.23 | 31.04 | 29.71 | 31.36 | 30.54 | 29.55 | 28.85 | |
| 10 | 29.31 | 30.24 | 29.99 | 30.30 | 30.16 | 30.34 | 30.90 | 29.69 | 31.36 | 30.50 | 29.54 | 28.82 | |
| 11 | 29.32 | 30.26 | 29.92 | 30.27 | 30.00 | 30.51 | 31.73 | 29.56 | 31.34 | 30.47 | 29.51 | 28.83 | |
| 12 | 29.30 | 30.24 | 29.87 | 30.20 | 30.04 | 30.69 | 31.47 | 29.37 | 31.34 | 30.44 | 29.47 | 28.79 | |
| 13 | 29.27 | 30.23 | 29.89 | 30.20 | 30.00 | 30.68 | 31.22 | 29.34 | 31.32 | 30.40 | 29.45 | 28.76 | |
| 14 | 29.19 | 30.24 | 29.87 | 30.19 | 29.97 | 30.61 | 31.04 | 29.30 | 31.31 | 30.37 | 29.44 | 28.74 | |
| 15 | 29.10 | 30.27 | 29.82 | 30.15 | 30.20 | 30.52 | 30.87 | 29.21 | 31.31 | 30.31 | 29.33 | 28.71 | |
| 16 | 29.13 | 30.31 | 29.85 | 30.08 | 30.10 | 30.54 | 30.98 | 29.19 | 31.25 | 30.29 | 29.28 | 28.73 | |
| 17 | 29.29 | 30.28 | 29.87 | 30.07 | 30.00 | 30.54 | 30.82 | 29.19 | 31.23 | 30.27 | 29.24 | 28.73 | |
| 18 | 29.33 | 30.26 | 29.82 | 30.13 | 29.99 | 31.15 | 30.86 | 29.19 | 31.20 | 30.24 | 29.20 | 28.64 | |
| 19 | 29.44 | 30.28 | 29.90 | 30.12 | 29.95 | 30.62 | 31.09 | 29.23 | 31.17 | 30.20 | 29.16 | 28.68 | |
| 20 | 29.73 | 30.38 | 29.93 | 30.45 | 29.90 | 30.63 | 30.70 | 30.35 | 31.15 | 30.18 | 29.08 | 28.78 | |
| 21 | 29.76 | 30.62 | 30.00 | 30.54 | 29.87 | 30.60 | 30.57 | 30.35 | 31.08 | 30.18 | 29.02 | 28.88 | |
| 22 | 29.84 | 31.00 | 30.38 | 30.34 | 29.86 | 30.83 | 30.50 | 30.38 | 31.06 | 30.19 | 28.97 | 28.95 | |
| 23 | 29.87 | 31.60 | 30.80 | 30.22 | 29.88 | 31.24 | 30.36 | 31.44 | 31.03 | 30.19 | 28.95 | 28.98 | |
| 24 | 29.86 | 31.02 | 30.25 | 30.11 | 29.91 | 30.99 | 30.24 | 31.45 | 31.01 | 30.19 | 28.95 | 28.96 | |
| 25 | 29.88 | 30.78 | 29.73 | 30.07 | 29.89 | 30.67 | 30.18 | 31.45 | 30.98 | 30.17 | 28.94 | 28.94 | |
| 26 | 29.93 | 30.62 | 30.29 | 30.05 | 29.95 | 30.96 | 30.14 | 31.40 | 30.96 | 30.15 | 28.94 | 28.94 | |
| 27 | 29.94 | 30.52 | 30.25 | 29.98 | 30.49 | 31.26 | 30.10 | 31.40 | 30.93 | 30.09 | 28.94 | 28.94 | |
| 28 | 29.95 | 30.33 | 30.57 | 29.95 | 30.24 | 32.07 | 30.05 | 31.40 | 30.94 | 30.02 | 28.94 | 28.93 | |
| 29 | 29.99 | 30.21 | 30.45 | 29.91 | 30.16 | 31.27 | 30.02 | 31.40 | 30.87 | 29.98 | | 28.85 | |
| 30 | 30.03 | 30.08 | 30.34 | 30.13 | 30.88 | 31.30 | 29.98 | 31.40 | 30.83 | 29.95 | | 28.78 | |
| 31 | | 29.99 | | 30.13 | 32.09 | | 29.93 | | 30.80 | 29.92 | | 28.84 | |
| Mean | 29.57 | 30.37 | 30.15 | 30.36 | 30.32 | 30.77 | 30.90 | 30.12 | 31.19 | 30.35 | 29.35 | 28.85 | |
| Max | 30.03 | 31.60 | 30.80 | 31.57 | 32.09 | 32.07 | 32.05 | 31.45 | 31.40 | 30.78 | 29.88 | 28.98 | 32.09 |
| Min | 29.10 | 29.99 | 29.73 | 29.91 | 29.86 | 30.23 | 29.93 | 29.19 | 30.80 | 29.92 | 28.94 | 28.64 | 28.64 |

Annual Max Momentary Gage Height 32.36 m. (MSL.) , at 18.00 Hours, on Aug 31, 2006

Zero Gage at Bottom Elevation 28.15 m. (MSL.) , River Bed 26.07 m. (MSL.)

Left Bank Elevation 34.56 m. (MSL.) ,

Right Bank Elevation 32.93 m. (MSL.) , Drainage Are 201 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 2.20 | 4.38 | 8.40 | 23.58 | 18.15 | 15.14 | 1.65 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 2.30 | 3.90 | 17.85 | 11.92 | 8.51 | 15.40 | 1.46 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 2.40 | 2.45 | 11.59 | 6.68 | 7.50 | 21.36 | 1.34 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 2.68 | 3.26 | 12.25 | 5.42 | 5.33 | 18.00 | 0.44 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 3.34 | 8.10 | 9.06 | 7.40 | 4.79 | 26.10 | 0.40 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 3.90 | 5.87 | 8.40 | 5.87 | 4.30 | 18.47 | 0.75 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 4.30 | 3.10 | 6.32 | 4.62 | 3.74 | 25.02 | 0.89 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 3.98 | 2.62 | 5.24 | 3.98 | 3.34 | 13.97 | 0.82 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 3.50 | 2.50 | 4.54 | 3.26 | 3.34 | 11.04 | 0.79 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 3.42 | 1.95 | 3.90 | 2.86 | 4.22 | 9.50 | 0.72 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 3.58 | 1.60 | 3.66 | 2.00 | 5.69 | 20.51 | 0.32 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 3.42 | 1.38 | 3.10 | 2.20 | 7.31 | 16.38 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 3.34 | 1.46 | 3.10 | 2.00 | 7.22 | 13.06 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 3.42 | 1.38 | 3.04 | 1.85 | 6.59 | 11.04 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 3.66 | 1.18 | 2.80 | 3.10 | 5.78 | 9.17 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 3.98 | 1.30 | 2.40 | 2.50 | 5.96 | 10.38 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 3.74 | 1.38 | 2.35 | 2.00 | 5.96 | 8.62 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 3.58 | 1.18 | 2.68 | 1.95 | 12.25 | 9.06 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.08 | 3.74 | 1.50 | 2.62 | 1.75 | 6.68 | 11.59 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.86 | 4.54 | 1.65 | 5.15 | 1.50 | 6.77 | 7.40 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.96 | 6.68 | 2.00 | 5.96 | 1.38 | 6.50 | 6.23 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 22 | 1.26 | 10.60 | 4.54 | 4.22 | 1.34 | 8.73 | 5.60 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 23 | 1.38 | 18.30 | 8.40 | 3.26 | 1.42 | 13.32 | 4.38 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 24 | 1.34 | 10.82 | 3.50 | 2.56 | 1.55 | 10.49 | 3.42 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 25 | 1.42 | 8.20 | 0.86 | 2.35 | 1.46 | 7.13 | 2.98 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 26 | 1.65 | 6.68 | 3.82 | 2.25 | 1.75 | 10.16 | 2.74 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 27 | 1.70 | 5.78 | 3.50 | 1.90 | 5.51 | 13.58 | 2.50 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 28 | 1.75 | 4.14 | 6.23 | 1.75 | 3.42 | 26.46 | 2.25 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| 29 | 1.95 | 3.18 | 5.15 | 1.55 | 2.86 | 13.71 | 2.10 | 0.01 | 0.01 | 0.00 | | 0.00 | | |
| 30 | 2.15 | 2.40 | 4.22 | 2.68 | 9.28 | 14.10 | 1.90 | 0.01 | 0.01 | 0.00 | | 0.00 | | |
| 31 | | 1.95 | | 2.68 | 26.82 | | 1.65 | | 0.01 | 0.00 | | 0.00 | | |
| Total | 16.50 | 147.75 | 94.36 | 149.61 | 153.23 | 257.61 | 326.96 | 9.66 | 0.31 | 0.00 | 0.00 | 0.00 | 1155.99 | CMSDAY |
| Mean | 0.55 | 4.77 | 3.15 | 4.83 | 4.94 | 8.59 | 10.55 | 0.32 | 0.01 | 0.00 | 0.00 | 0.00 | 3.17 | CMS |
| Max | 2.15 | 18.30 | 8.40 | 17.85 | 26.82 | 26.46 | 26.10 | 1.65 | 0.01 | 0.00 | 0.00 | 0.00 | 26.82 | CMS |
| Min | 0.00 | 1.95 | 0.86 | 1.55 | 1.34 | 3.34 | 1.65 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.43 | 12.77 | 8.15 | 12.93 | 13.24 | 22.26 | 28.25 | 0.83 | 0.03 | 0.00 | 0.00 | 0.00 | 99.88 | MCM |

Momentary Peak 31.84 CMS, at 32.36 m. (MSL.), at 18.00 Hours, on Aug 31, 2006

Runoff Yield 15.76 Liters/Second/Square KM. Momentary Peak Yield 158.41 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Hin Dat at Ban Pong Rong Sen , Chanthaburi (Z.21)

Lat 12 - 47 - 15 N Long 102 - 15 - 33 E

**Location : on left bank at the bridge on highway.**

| | | | |
|---|---|---|---|
| | **Ban** Pong Rong Sen | **Amphoe** Makham | **Changwat** Chanthaburi |
| **Drainge Area** | 78 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +21.200 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 40 meters from the top staff gage. | | **Elevation** +27.671 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1984 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1984 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

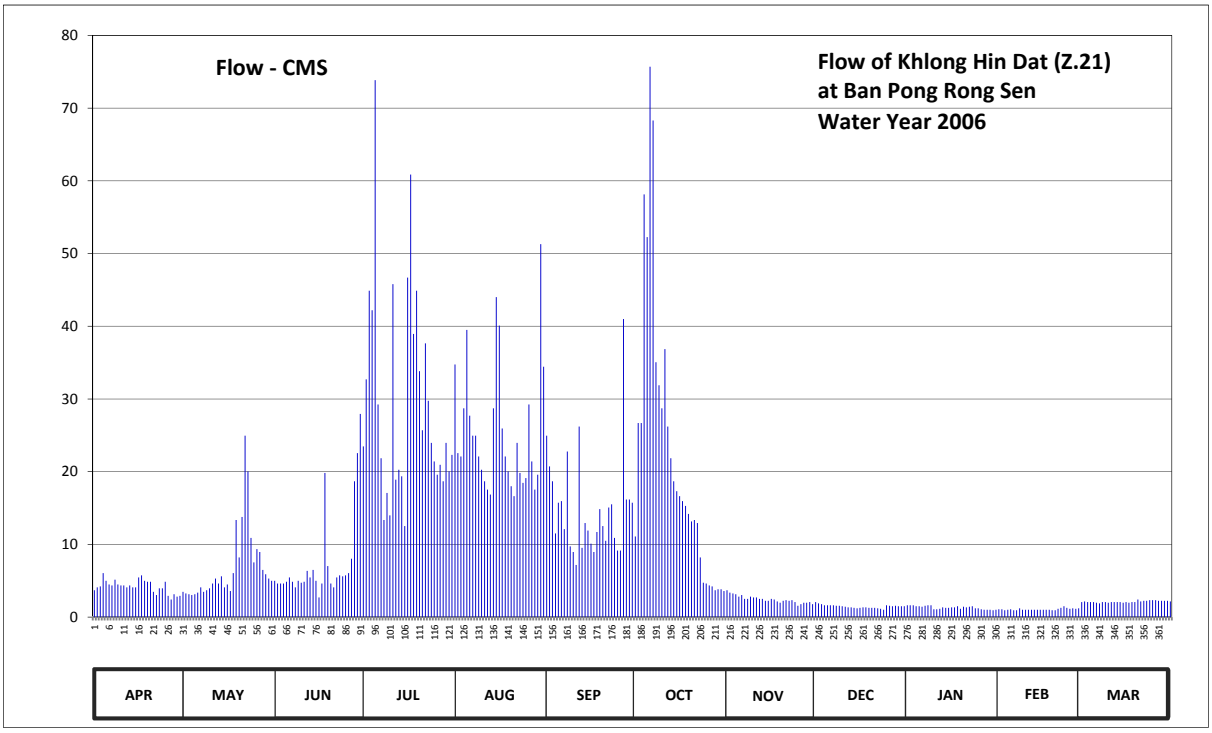
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22.10 | 22.08 | 22.20 | 23.11 | 23.54 | 23.17 | 22.55 | 22.10 | 21.94 | 21.89 | 21.81 | 21.94 | |
| 2 | 22.13 | 22.06 | 22.17 | 23.47 | 23.07 | 22.99 | 23.24 | 22.07 | 21.92 | 21.89 | 21.81 | 21.95 | |
| 3 | 22.14 | 22.05 | 22.17 | 23.89 | 23.05 | 22.90 | 23.24 | 22.06 | 21.91 | 21.89 | 21.79 | 21.94 | |
| 4 | 22.27 | 22.04 | 22.17 | 23.80 | 23.32 | 22.57 | 24.31 | 22.05 | 21.89 | 21.87 | 21.80 | 21.94 | |
| 5 | 22.20 | 22.05 | 22.19 | 24.75 | 23.71 | 22.77 | 24.13 | 22.02 | 21.89 | 21.87 | 21.81 | 21.94 | |
| 6 | 22.16 | 22.07 | 22.23 | 23.34 | 23.28 | 22.78 | 24.80 | 22.04 | 21.89 | 21.86 | 21.79 | 21.93 | |
| 7 | 22.15 | 22.13 | 22.19 | 23.04 | 23.17 | 22.60 | 24.60 | 21.99 | 21.89 | 21.88 | 21.79 | 21.92 | |
| 8 | 22.21 | 22.08 | 22.13 | 22.66 | 23.17 | 23.08 | 23.55 | 21.99 | 21.88 | 21.89 | 21.83 | 21.94 | |
| 9 | 22.16 | 22.10 | 22.20 | 22.83 | 23.05 | 22.48 | 23.44 | 22.02 | 21.88 | 21.89 | 21.80 | 21.94 | |
| 10 | 22.15 | 22.12 | 22.18 | 22.69 | 22.97 | 22.44 | 23.32 | 22.01 | 21.87 | 21.81 | 21.80 | 21.93 | |
| 11 | 22.15 | 22.17 | 22.19 | 23.92 | 22.90 | 22.34 | 23.61 | 22.01 | 21.86 | 21.81 | 21.80 | 21.94 | |
| 12 | 22.13 | 22.22 | 22.29 | 22.91 | 22.85 | 23.22 | 23.22 | 21.99 | 21.85 | 21.82 | 21.80 | 21.94 | |
| 13 | 22.15 | 22.17 | 22.23 | 22.97 | 22.82 | 22.47 | 23.04 | 21.99 | 21.85 | 21.85 | 21.80 | 21.94 | |
| 14 | 22.13 | 22.24 | 22.30 | 22.93 | 23.32 | 22.64 | 22.90 | 21.96 | 21.84 | 21.84 | 21.80 | 21.94 | |
| 15 | 22.13 | 22.13 | 22.20 | 22.62 | 23.86 | 22.59 | 22.84 | 21.96 | 21.83 | 21.84 | 21.80 | 21.93 | |
| 16 | 22.23 | 22.16 | 22.01 | 23.95 | 23.73 | 22.50 | 22.81 | 21.99 | 21.84 | 21.85 | 21.80 | 21.94 | |
| 17 | 22.25 | 22.09 | 22.17 | 24.39 | 23.21 | 22.44 | 22.78 | 21.98 | 21.85 | 21.85 | 21.80 | 21.93 | |
| 18 | 22.20 | 22.27 | 22.95 | 23.69 | 23.05 | 22.58 | 22.75 | 21.95 | 21.85 | 21.87 | 21.80 | 21.94 | |
| 19 | 22.19 | 22.66 | 22.33 | 23.89 | 22.96 | 22.73 | 22.70 | 21.93 | 21.84 | 21.82 | 21.79 | 21.94 | |
| 20 | 22.19 | 22.40 | 22.17 | 23.51 | 22.87 | 22.62 | 22.65 | 21.96 | 21.84 | 21.86 | 21.79 | 21.98 | |
| 21 | 22.08 | 22.68 | 22.13 | 23.20 | 22.81 | 22.52 | 22.66 | 21.97 | 21.84 | 21.85 | 21.82 | 21.95 | |
| 22 | 22.04 | 23.17 | 22.23 | 23.64 | 23.13 | 22.74 | 22.64 | 21.96 | 21.83 | 21.86 | 21.84 | 21.96 | |
| 23 | 22.12 | 22.96 | 22.25 | 23.36 | 22.95 | 22.76 | 22.40 | 21.97 | 21.82 | 21.87 | 21.87 | 21.96 | |
| 24 | 22.12 | 22.54 | 22.24 | 23.13 | 22.89 | 22.54 | 22.18 | 21.94 | 21.80 | 21.83 | 21.84 | 21.97 | |
| 25 | 22.19 | 22.36 | 22.25 | 23.02 | 22.92 | 22.45 | 22.17 | 21.88 | 21.89 | 21.83 | 21.82 | 21.97 | |
| 26 | 22.03 | 22.46 | 22.27 | 22.94 | 23.34 | 22.45 | 22.15 | 21.91 | 21.88 | 21.81 | 21.83 | 21.97 | |
| 27 | 21.98 | 22.44 | 22.39 | 23.00 | 23.02 | 23.76 | 22.14 | 21.93 | 21.87 | 21.80 | 21.82 | 21.96 | |
| 28 | 22.05 | 22.30 | 22.90 | 22.90 | 22.85 | 22.79 | 22.10 | 21.93 | 21.88 | 21.80 | 21.83 | 21.96 | |
| 29 | 22.02 | 22.26 | 23.07 | 23.13 | 22.94 | 22.79 | 22.11 | 21.94 | 21.87 | 21.80 | | 21.96 | |
| 30 | 22.03 | 22.22 | 23.29 | 22.96 | 24.10 | 22.77 | 22.11 | 21.91 | 21.87 | 21.79 | | 21.96 | |
| 31 | | 22.20 | | 23.06 | 23.53 | | 22.09 | | 21.87 | 21.80 | | 21.95 | |
| Mean | 22.14 | 22.29 | 22.32 | 23.31 | 23.17 | 22.72 | 22.94 | 21.98 | 21.87 | 21.84 | 21.81 | 21.95 | |
| Max | 22.27 | 23.17 | 23.29 | 24.75 | 24.10 | 23.76 | 24.80 | 22.10 | 21.94 | 21.89 | 21.87 | 21.98 | 24.80 |
| Min | 21.98 | 22.04 | 22.01 | 22.62 | 22.81 | 22.34 | 22.09 | 21.88 | 21.80 | 21.79 | 21.79 | 21.92 | 21.79 |

Annual Max Momentary Gage Height 26.14 m. (MSL.) , at 24.00 Hours, on Oct 5, 2006

Zero Gage at Bottom Elevation 21.20 m. (MSL.) , River Bed 20.91 m. (MSL.)

Left Bank Elevation 29.69 m. (MSL.) ,

Right Bank Elevation 29.67 m. (MSL.) , Drainage Are 78 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.70 | 3.48 | 5.00 | 23.48 | 34.74 | 24.96 | 11.10 | 3.70 | 2.06 | 1.63 | 1.07 | 2.06 | | |
| 2 | 4.09 | 3.26 | 4.61 | 32.69 | 22.55 | 20.73 | 26.70 | 3.37 | 1.88 | 1.63 | 1.07 | 2.15 | | |
| 3 | 4.22 | 3.15 | 4.61 | 44.90 | 22.09 | 18.68 | 26.70 | 3.26 | 1.79 | 1.63 | 0.95 | 2.06 | | |
| 4 | 6.05 | 3.04 | 4.61 | 42.20 | 28.72 | 11.50 | 58.14 | 3.15 | 1.63 | 1.49 | 1.00 | 2.06 | | |
| 5 | 5.00 | 3.15 | 4.87 | 73.85 | 39.50 | 15.74 | 52.26 | 2.82 | 1.63 | 1.49 | 1.07 | 2.06 | | |
| 6 | 4.48 | 3.37 | 5.45 | 29.24 | 27.70 | 15.96 | 75.70 | 3.04 | 1.63 | 1.42 | 0.95 | 1.97 | | |
| 7 | 4.35 | 4.09 | 4.87 | 21.86 | 24.96 | 12.10 | 68.30 | 2.51 | 1.63 | 1.56 | 0.95 | 1.88 | | |
| 8 | 5.15 | 3.48 | 4.09 | 13.36 | 24.96 | 22.78 | 35.05 | 2.51 | 1.56 | 1.63 | 1.21 | 2.06 | | |
| 9 | 4.48 | 3.70 | 5.00 | 17.08 | 22.09 | 9.72 | 31.88 | 2.82 | 1.56 | 1.63 | 1.00 | 2.06 | | |
| 10 | 4.35 | 3.96 | 4.74 | 13.99 | 20.27 | 8.96 | 28.72 | 2.71 | 1.49 | 1.07 | 1.00 | 1.97 | | |
| 11 | 4.35 | 4.61 | 4.87 | 45.80 | 18.68 | 7.18 | 36.86 | 2.71 | 1.42 | 1.07 | 1.00 | 2.06 | | |
| 12 | 4.09 | 5.30 | 6.35 | 18.90 | 17.54 | 26.20 | 26.20 | 2.51 | 1.35 | 1.14 | 1.00 | 2.06 | | |
| 13 | 4.35 | 4.61 | 5.45 | 20.27 | 16.86 | 9.53 | 21.86 | 2.51 | 1.35 | 1.35 | 1.00 | 2.06 | | |
| 14 | 4.09 | 5.60 | 6.50 | 19.36 | 28.72 | 12.94 | 18.68 | 2.24 | 1.28 | 1.28 | 1.00 | 2.06 | | |
| 15 | 4.09 | 4.09 | 5.00 | 12.52 | 44.00 | 11.90 | 17.31 | 2.24 | 1.21 | 1.28 | 1.00 | 1.97 | | |
| 16 | 5.45 | 4.48 | 2.71 | 46.70 | 40.10 | 10.10 | 16.63 | 2.51 | 1.28 | 1.35 | 1.00 | 2.06 | | |
| 17 | 5.75 | 3.59 | 4.61 | 60.86 | 25.95 | 8.96 | 15.96 | 2.42 | 1.35 | 1.35 | 1.00 | 1.97 | | |
| 18 | 5.00 | 6.05 | 19.82 | 38.94 | 22.09 | 11.70 | 15.30 | 2.15 | 1.35 | 1.49 | 1.00 | 2.06 | | |
| 19 | 4.87 | 13.36 | 7.01 | 44.90 | 20.04 | 14.86 | 14.20 | 1.97 | 1.28 | 1.14 | 0.95 | 2.06 | | |
| 20 | 4.87 | 8.20 | 4.61 | 33.81 | 17.99 | 12.52 | 13.15 | 2.24 | 1.28 | 1.42 | 0.95 | 2.42 | | |
| 21 | 3.48 | 13.78 | 4.09 | 25.70 | 16.63 | 10.50 | 13.36 | 2.33 | 1.28 | 1.35 | 1.14 | 2.15 | | |
| 22 | 3.04 | 24.96 | 5.45 | 37.64 | 23.97 | 15.08 | 12.94 | 2.24 | 1.21 | 1.42 | 1.28 | 2.24 | | |
| 23 | 3.96 | 20.04 | 5.75 | 29.76 | 19.82 | 15.52 | 8.20 | 2.33 | 1.14 | 1.49 | 1.49 | 2.24 | | |
| 24 | 3.96 | 10.90 | 5.60 | 23.97 | 18.45 | 10.90 | 4.74 | 2.06 | 1.00 | 1.21 | 1.28 | 2.33 | | |
| 25 | 4.87 | 7.52 | 5.75 | 21.41 | 19.13 | 9.15 | 4.61 | 1.56 | 1.63 | 1.21 | 1.14 | 2.33 | | |
| 26 | 2.93 | 9.34 | 6.05 | 19.59 | 29.24 | 9.15 | 4.35 | 1.79 | 1.56 | 1.07 | 1.21 | 2.33 | | |
| 27 | 2.42 | 8.96 | 8.03 | 20.95 | 21.41 | 41.00 | 4.22 | 1.97 | 1.49 | 1.00 | 1.14 | 2.24 | | |
| 28 | 3.15 | 6.50 | 18.68 | 18.68 | 17.54 | 16.18 | 3.70 | 1.97 | 1.56 | 1.00 | 1.21 | 2.24 | | |
| 29 | 2.82 | 5.90 | 22.55 | 23.97 | 19.59 | 16.18 | 3.83 | 2.06 | 1.49 | 1.00 | | 2.24 | | |
| 30 | 2.93 | 5.30 | 27.95 | 20.04 | 51.30 | 15.74 | 3.83 | 1.79 | 1.49 | 0.95 | | 2.24 | | |
| 31 | | 5.00 | | 22.32 | 34.43 | | 3.59 | | 1.49 | 1.00 | | 2.15 | | |
| Total | 126.34 | 212.77 | 224.68 | 918.74 | 791.06 | 446.42 | 678.07 | 73.49 | 45.35 | 40.75 | 30.06 | 65.84 | 3653.57 | CMSDAY |
| Mean | 4.21 | 6.86 | 7.49 | 29.64 | 25.52 | 14.88 | 21.87 | 2.45 | 1.46 | 1.31 | 1.07 | 2.12 | 10.01 | CMS |
| Max | 6.05 | 24.96 | 27.95 | 73.85 | 51.30 | 41.00 | 75.70 | 3.70 | 2.06 | 1.63 | 1.49 | 2.42 | 75.70 | CMS |
| Min | 2.42 | 3.04 | 2.71 | 12.52 | 16.63 | 7.18 | 3.59 | 1.56 | 1.00 | 0.95 | 0.95 | 1.88 | 0.95 | CMS |
| Runoff | 10.92 | 18.38 | 19.41 | 79.38 | 68.35 | 38.57 | 58.59 | 6.35 | 3.92 | 3.52 | 2.60 | 5.69 | 315.67 | MCM |

Momentary Peak 132.58 CMS, at 26.14 m. (MSL.), at 24.00 Hours, on Oct 5, 2006

Runoff Yield 128.33 Liters/Second/Square KM. Momentary Peak Yield 1699.74 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Upper Khlong Tanot at Ban Khun Song , Chanthaburi (Z.28)

Lat 13 - 04 - 31 N Long 101 - 56 - 55 E

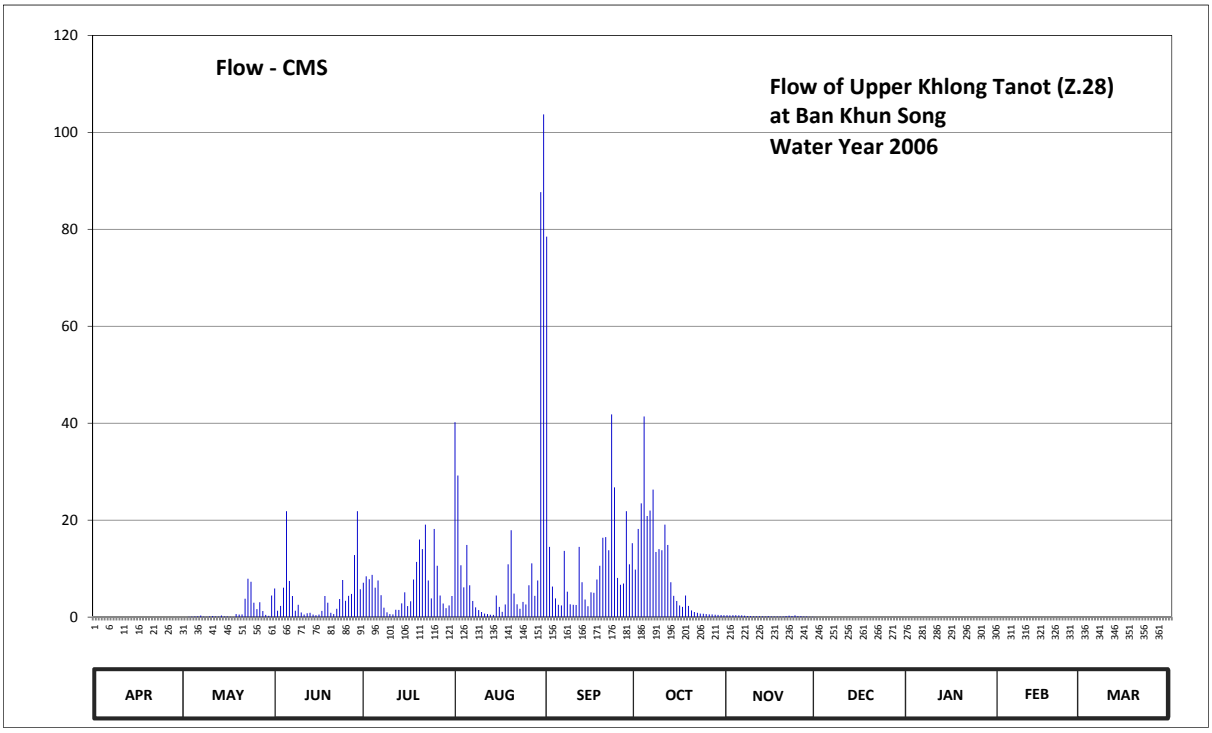
**Location : on right bank near Wat Khun Song.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Khun Song | **Amphoe** Kaeng Hang Maeo | **Changwat** Chanthaburi | | |
| **Drainge Area** | 280 sq.km. | | | | |
| **Type of Gage** | Water - stage recorder | | | | |
| **Zero Gage at Bottom** | +32.600 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On right bank about 10 meters from the top staff gage. | | **Elevation** +40.318 m. (MSL.) | | |
| **Gage Reading Frequency** | Recording | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 1986 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1986 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1986 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +36.310 m.(MSL.) and is including overbank flow. | | | | |
| **General Description** | Records good. Stage-discharge relation defined byn 18 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.48 | 33.16 | 34.55 | 34.69 | 37.04 | 38.64 | 34.97 | 33.39 | 33.21 | 33.31 | 32.92 | 32.88 | |
| 2 | 33.48 | 33.16 | 33.73 | 34.83 | 36.43 | 35.40 | 35.69 | 33.38 | 33.19 | 33.28 | 32.90 | 32.88 | |
| 3 | 33.72 | 33.24 | 33.98 | 34.77 | 35.06 | 34.60 | 36.07 | 33.39 | 33.37 | 33.26 | 32.87 | 32.88 | |
| 4 | 33.57 | 33.25 | 34.57 | 34.86 | 34.58 | 34.26 | 37.10 | 33.40 | 33.16 | 33.23 | 32.85 | 32.88 | |
| 5 | 33.41 | 33.27 | 35.96 | 34.57 | 35.43 | 34.03 | 35.89 | 33.38 | 33.18 | 33.22 | 32.83 | 32.88 | |
| 6 | 33.30 | 33.28 | 34.73 | 34.74 | 34.63 | 34.00 | 35.97 | 33.38 | 33.26 | 33.22 | 32.81 | 32.88 | |
| 7 | 33.28 | 33.36 | 34.34 | 34.37 | 34.17 | 35.33 | 36.25 | 33.35 | 33.66 | 33.21 | 32.80 | 32.87 | |
| 8 | 33.26 | 33.25 | 33.73 | 33.89 | 33.90 | 34.47 | 35.31 | 33.32 | 33.64 | 33.21 | 32.78 | 32.87 | |
| 9 | 33.26 | 33.24 | 34.03 | 33.65 | 33.76 | 34.05 | 35.36 | 33.29 | 33.63 | 33.20 | 32.74 | 32.86 | |
| 10 | 33.25 | 33.26 | 33.64 | 33.51 | 33.66 | 34.03 | 35.34 | 33.28 | 33.63 | 33.20 | 32.73 | 32.85 | |
| 11 | 33.23 | 33.32 | 33.47 | 33.48 | 33.57 | 34.02 | 35.76 | 33.28 | 33.62 | 33.20 | 32.70 | 32.85 | |
| 12 | 33.22 | 33.27 | 33.60 | 33.78 | 33.51 | 35.40 | 35.43 | 33.28 | 33.61 | 33.19 | 32.68 | 32.84 | |
| 13 | 33.21 | 33.25 | 33.62 | 33.77 | 33.45 | 34.70 | 34.70 | 33.28 | 33.61 | 33.17 | 32.66 | 32.83 | |
| 14 | 33.20 | 33.37 | 33.46 | 34.09 | 33.43 | 34.22 | 34.35 | 33.27 | 33.60 | 33.16 | 32.65 | 32.82 | |
| 15 | 33.19 | 33.26 | 33.39 | 34.45 | 34.36 | 33.96 | 34.17 | 33.29 | 33.60 | 33.15 | 32.64 | 32.81 | |
| 16 | 33.26 | 33.27 | 33.47 | 33.97 | 33.93 | 34.45 | 34.00 | 33.27 | 33.60 | 33.13 | 32.63 | 32.79 | |
| 17 | 33.35 | 33.24 | 33.72 | 34.16 | 33.67 | 34.44 | 33.93 | 33.27 | 33.59 | 33.11 | 32.60 | 32.79 | |
| 18 | 33.33 | 33.21 | 34.34 | 34.76 | 34.04 | 34.76 | 34.36 | 33.26 | 33.58 | 33.10 | 32.60 | 32.76 | |
| 19 | 33.30 | 33.51 | 34.11 | 35.13 | 35.08 | 35.05 | 33.98 | 33.26 | 33.58 | 33.09 | 32.60 | 32.76 | |
| 20 | 33.26 | 33.46 | 33.62 | 35.52 | 35.67 | 35.55 | 33.75 | 33.26 | 33.58 | 33.08 | 32.60 | 32.76 | |
| 21 | 33.25 | 33.48 | 33.51 | 35.36 | 34.42 | 35.56 | 33.66 | 33.31 | 33.58 | 33.07 | 32.60 | 32.77 | |
| 22 | 33.24 | 34.25 | 33.83 | 35.76 | 34.05 | 35.34 | 33.62 | 33.35 | 33.56 | 33.09 | 32.60 | 32.77 | |
| 23 | 33.21 | 34.78 | 34.24 | 34.74 | 33.83 | 37.12 | 33.57 | 33.32 | 33.52 | 33.10 | 32.60 | 32.77 | |
| 24 | 33.21 | 34.71 | 34.75 | 34.26 | 34.14 | 36.28 | 33.54 | 33.38 | 33.54 | 33.10 | 32.60 | 32.77 | |
| 25 | 33.20 | 34.11 | 34.18 | 35.69 | 34.04 | 34.80 | 33.51 | 33.30 | 33.55 | 33.09 | 32.60 | 32.77 | |
| 26 | 33.20 | 33.81 | 34.35 | 35.05 | 34.63 | 34.64 | 33.48 | 33.29 | 33.49 | 33.07 | 32.60 | 32.76 | |
| 27 | 33.18 | 34.13 | 34.41 | 34.36 | 35.10 | 34.67 | 33.48 | 33.27 | 33.45 | 33.04 | 32.88 | 32.75 | |
| 28 | 33.18 | 33.71 | 35.26 | 34.08 | 34.35 | 35.96 | 33.45 | 33.26 | 33.43 | 33.01 | 32.88 | 32.73 | |
| 29 | 33.16 | 33.43 | 35.96 | 33.86 | 34.74 | 35.08 | 33.43 | 33.24 | 33.43 | 32.96 | | 32.72 | |
| 30 | 33.16 | 33.33 | 34.53 | 34.00 | 38.98 | 35.46 | 33.41 | 33.23 | 33.46 | 32.95 | | 32.69 | |
| 31 | | 34.36 | | 34.34 | 39.54 | | 33.40 | | 33.41 | 32.94 | | 32.67 | |
| Mean | 33.29 | 33.54 | 34.17 | 34.47 | 34.75 | 35.01 | 34.55 | 33.31 | 33.49 | 33.13 | 32.71 | 32.80 | |
| Max | 33.72 | 34.78 | 35.96 | 35.76 | 39.54 | 38.64 | 37.10 | 33.40 | 33.66 | 33.31 | 32.92 | 32.88 | 39.54 |
| Min | 33.16 | 33.16 | 33.39 | 33.48 | 33.43 | 33.96 | 33.40 | 33.23 | 33.16 | 32.94 | 32.60 | 32.67 | 32.60 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 39.91 | m. (MSL.) , | at 05.00 Hours, on Sep 1, 2006 | | |
| Zero Gage at Bottom Elevation | 32.60 | m. (MSL.) , | River Bed | 32.37 | m. (MSL.) |
| Left Bank Elevation | 41.01 | m. (MSL.) , | | | |
| Right Bank Elevation | 36.30 | m. (MSL.) , | Drainage Are | 280 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 5.90 | 7.11 | 40.20 | 78.48 | 9.80 | 0.38 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 1.32 | 8.40 | 29.21 | 14.50 | 18.17 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.08 | 2.32 | 7.83 | 10.70 | 6.30 | 23.45 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.10 | 6.06 | 8.70 | 6.14 | 3.86 | 41.40 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.14 | 21.84 | 6.06 | 14.88 | 2.55 | 20.86 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.16 | 7.47 | 7.56 | 6.57 | 2.40 | 21.98 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.32 | 4.34 | 4.52 | 3.32 | 13.66 | 26.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.10 | 1.32 | 1.96 | 2.00 | 5.26 | 13.42 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.08 | 2.55 | 1.00 | 1.44 | 2.65 | 14.02 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.12 | 0.96 | 0.62 | 1.04 | 2.55 | 13.78 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.24 | 0.54 | 0.56 | 0.74 | 2.50 | 19.08 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.14 | 0.80 | 1.52 | 0.62 | 14.50 | 14.88 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.10 | 0.88 | 1.48 | 0.50 | 7.20 | 7.20 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.34 | 0.52 | 2.85 | 0.46 | 3.62 | 4.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.12 | 0.38 | 5.10 | 4.46 | 2.24 | 3.32 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.14 | 0.54 | 2.28 | 2.12 | 5.10 | 2.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.08 | 1.28 | 3.26 | 1.08 | 5.02 | 2.12 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.02 | 4.34 | 7.74 | 2.60 | 7.74 | 4.46 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.62 | 2.96 | 11.40 | 10.90 | 10.60 | 2.32 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.52 | 0.88 | 16.00 | 17.91 | 16.38 | 1.40 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.56 | 0.62 | 14.02 | 4.86 | 16.50 | 1.04 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 3.80 | 1.72 | 19.08 | 2.65 | 13.78 | 0.88 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 7.92 | 3.74 | 7.56 | 1.72 | 41.82 | 0.74 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 7.29 | 7.65 | 3.86 | 3.14 | 26.78 | 0.68 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 2.96 | 3.38 | 18.17 | 2.60 | 8.10 | 0.62 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 1.64 | 4.40 | 10.60 | 6.57 | 6.66 | 0.56 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 3.08 | 4.78 | 4.46 | 11.10 | 6.93 | 0.56 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 1.24 | 12.82 | 2.80 | 4.40 | 21.84 | 0.50 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.46 | 21.84 | 1.84 | 7.56 | 10.90 | 0.46 | 0.08 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.26 | 5.74 | 2.40 | 87.66 | 15.25 | 0.42 | 0.06 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 4.46 | | 4.34 | 103.70 | | 0.40 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 37.09 | 133.89 | 195.08 | 392.85 | 375.67 | 271.62 | 6.46 | 0.02 | 0.00 | 0.00 | 0.00 | 1412.68 | CMSDAY |
| Mean | 0.00 | 1.20 | 4.46 | 6.29 | 12.67 | 12.52 | 8.76 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 3.87 | CMS |
| Max | 0.00 | 7.92 | 21.84 | 19.08 | 103.70 | 78.48 | 41.40 | 0.40 | 0.02 | 0.00 | 0.00 | 0.00 | 103.70 | CMS |
| Min | 0.00 | 0.00 | 0.38 | 0.56 | 0.46 | 2.24 | 0.40 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 3.20 | 11.57 | 16.85 | 33.94 | 32.46 | 23.47 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 122.06 | MCM |

Momentary Peak 114.80 CMS, at 39.91 m. (MSL.), at 05.00 Hours, on Sep 1, 2006

Runoff Yield 13.82 Liters/Second/Square KM. Momentary Peak Yield 410.00 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Sato at Ban Nong Bua , Trat (Z.30)

Lat 12 - 32 - 22 N Long 102 - 26 - 58 E

**Location : on right bank at Ban Nong Bua.**

**Ban** Nong Bua **Amphoe** Khao Saming **Changwat** Trat

| | |
|---|---|
| **Drainge Area** | 316 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +9.200 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank next tall pole for eletric cable near dwelling. **Elevation** +18.683 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 32 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

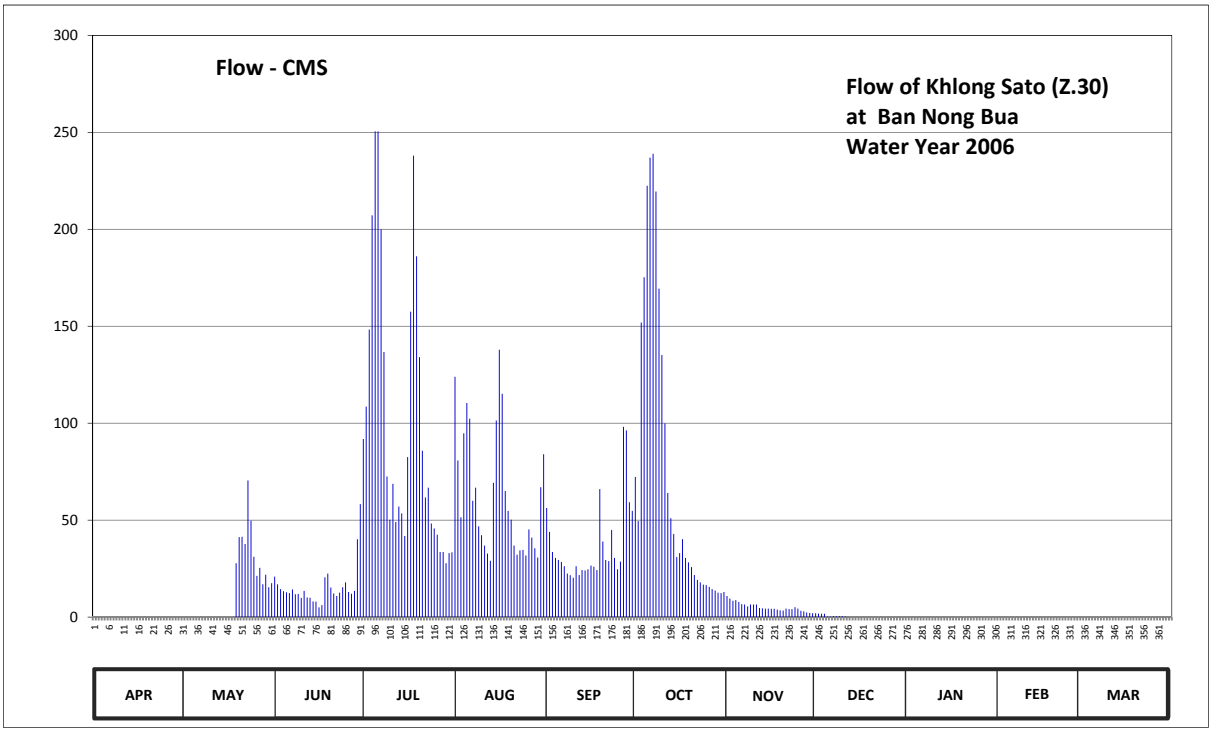
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.10 | 12.46 | 12.28 | 15.36 | 16.37 | 14.01 | 14.65 | 11.60 | 10.85 | 10.35 | 12.20 | 13.16 | |
| 2 | 13.11 | 12.45 | 12.01 | 15.92 | 14.99 | 13.52 | 13.74 | 11.51 | 10.83 | 10.20 | 12.25 | 12.40 | |
| 3 | 13.13 | 12.44 | 11.84 | 17.02 | 13.82 | 13.02 | 17.11 | 11.43 | 10.82 | 10.35 | 12.27 | 13.03 | |
| 4 | 13.17 | 12.47 | 11.77 | 18.36 | 15.46 | 12.87 | 17.65 | 11.45 | 10.82 | 10.35 | 12.30 | 12.92 | |
| 5 | 13.55 | 12.47 | 11.73 | 19.24 | 15.98 | 12.82 | 18.68 | 11.39 | 10.65 | 10.35 | 12.32 | 12.83 | |
| 6 | 13.65 | 12.49 | 11.70 | 19.24 | 15.71 | 12.77 | 18.97 | 11.31 | 10.65 | 10.35 | 12.34 | 12.72 | |
| 7 | 13.57 | 12.67 | 11.83 | 18.20 | 14.16 | 12.65 | 19.01 | 11.30 | 10.70 | 10.34 | 12.34 | 12.80 | |
| 8 | 13.47 | 12.65 | 11.66 | 16.73 | 14.43 | 12.39 | 18.62 | 11.20 | 10.70 | 10.34 | 12.36 | 12.80 | |
| 9 | 13.49 | 12.66 | 11.67 | 14.66 | 13.63 | 12.33 | 17.52 | 11.30 | 10.70 | 10.34 | 12.42 | 12.70 | |
| 10 | 13.45 | 12.82 | 11.53 | 13.77 | 13.44 | 12.24 | 16.69 | 11.30 | 10.69 | 10.33 | 12.40 | 12.61 | |
| 11 | 13.36 | 12.90 | 11.78 | 14.51 | 13.18 | 12.65 | 15.63 | 11.30 | 10.66 | 10.31 | 12.40 | 12.51 | |
| 12 | 13.32 | 13.06 | 11.55 | 13.72 | 12.98 | 12.34 | 14.32 | 11.12 | 10.62 | 10.30 | 12.40 | 12.48 | |
| 13 | 13.34 | 13.02 | 11.54 | 14.04 | 12.80 | 12.51 | 13.80 | 11.10 | 10.60 | 10.28 | 12.39 | 12.46 | |
| 14 | 13.34 | 11.19 | 11.41 | 13.90 | 14.53 | 12.50 | 13.47 | 11.09 | 10.60 | 10.23 | 12.38 | 12.49 | |
| 15 | 13.30 | 11.01 | 11.40 | 13.42 | 15.68 | 12.54 | 12.89 | 11.09 | 10.55 | 10.25 | 12.35 | 12.60 | |
| 16 | 13.13 | 10.69 | 11.15 | 15.05 | 16.76 | 12.67 | 12.99 | 11.08 | 10.52 | 10.25 | 12.35 | 12.70 | |
| 17 | 12.95 | 10.28 | 11.27 | 17.25 | 16.12 | 12.63 | 13.34 | 11.08 | 10.49 | 10.33 | 12.36 | 12.78 | |
| 18 | 12.84 | 10.50 | 12.26 | 18.99 | 14.36 | 12.51 | 12.87 | 11.04 | 10.44 | 10.34 | 12.35 | 12.71 | |
| 19 | 12.88 | 12.74 | 12.39 | 17.89 | 13.95 | 14.40 | 12.76 | 11.00 | 10.40 | 10.10 | 12.34 | 12.64 | |
| 20 | 12.82 | 13.39 | 11.90 | 16.66 | 13.77 | 13.28 | 12.62 | 10.99 | 10.39 | 10.18 | 12.34 | 12.69 | |
| 21 | 12.75 | 13.40 | 11.69 | 15.16 | 13.18 | 12.82 | 12.34 | 11.09 | 10.40 | 10.33 | 12.32 | 12.98 | |
| 22 | 12.69 | 13.22 | 11.60 | 14.23 | 12.95 | 12.79 | 12.17 | 11.06 | 10.38 | 11.05 | 12.45 | 13.07 | |
| 23 | 12.62 | 14.58 | 11.72 | 14.43 | 13.06 | 13.56 | 12.08 | 11.06 | 10.39 | 11.33 | 12.65 | 13.10 | |
| 24 | 12.54 | 13.75 | 11.91 | 13.69 | 13.07 | 12.87 | 12.00 | 11.16 | 10.42 | 11.73 | 13.36 | 13.14 | |
| 25 | 12.51 | 12.90 | 12.08 | 13.59 | 12.93 | 12.54 | 11.98 | 11.09 | 10.41 | 11.92 | 13.50 | 13.44 | |
| 26 | 12.49 | 12.31 | 11.74 | 13.45 | 13.57 | 12.78 | 11.92 | 10.98 | 10.45 | 11.93 | 13.42 | 13.50 | |
| 27 | 12.45 | 12.59 | 11.68 | 13.02 | 13.38 | 15.57 | 11.84 | 10.95 | 10.46 | 12.02 | 13.33 | 13.45 | |
| 28 | 12.40 | 12.01 | 11.78 | 13.02 | 13.11 | 15.51 | 11.79 | 10.89 | 10.42 | 12.10 | 13.29 | 13.30 | |
| 29 | 12.44 | 12.35 | 13.34 | 12.74 | 12.88 | 14.13 | 11.72 | 10.86 | 10.41 | 12.10 | | 13.19 | |
| 30 | 12.46 | 11.91 | 14.09 | 12.99 | 14.44 | 13.95 | 11.70 | 10.85 | 10.42 | 12.13 | | 13.22 | |
| 31 | | 12.05 | | 13.01 | 15.10 | | 11.74 | | 10.40 | 12.16 | | 13.17 | |
| Mean | 13.01 | 12.43 | 11.88 | 15.27 | 14.19 | 13.11 | 14.15 | 11.16 | 10.56 | 10.80 | 12.54 | 12.89 | |
| Max | 13.65 | 14.58 | 14.09 | 19.24 | 16.76 | 15.57 | 19.01 | 11.60 | 10.85 | 12.16 | 13.50 | 13.50 | 19.24 |
| Min | 12.40 | 10.28 | 11.15 | 12.74 | 12.80 | 12.24 | 11.70 | 10.85 | 10.38 | 10.10 | 12.20 | 12.40 | 10.10 |

Annual Max Momentary Gage Height 19.55 m. (MSL.) , at 18.00 Hours, on Jul 5, 2006

Zero Gage at Bottom Elevation 9.20 m. (MSL.) , River Bed 0.71 m. (MSL.)

Left Bank Elevation 20.50 m. (MSL.) ,

Right Bank Elevation 20.52 m. (MSL.) , Drainage Are 316 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 20.85 | 91.80 | 123.95 | 56.25 | 72.25 | 10.89 | 2.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 16.90 | 108.60 | 80.75 | 44.00 | 49.50 | 9.58 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 14.41 | 148.30 | 51.50 | 33.60 | 151.90 | 8.40 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 13.38 | 207.20 | 94.80 | 30.51 | 175.25 | 8.70 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 12.80 | 250.50 | 110.40 | 29.48 | 222.50 | 7.82 | 0.25 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.01 | 0.00 | 12.36 | 250.50 | 102.30 | 28.44 | 237.00 | 6.65 | 0.25 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.01 | 0.00 | 14.26 | 200.00 | 60.00 | 26.27 | 239.00 | 6.50 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 11.77 | 136.70 | 66.75 | 22.46 | 219.50 | 5.50 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 11.92 | 72.50 | 46.75 | 21.58 | 169.40 | 6.50 | 0.50 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 9.87 | 50.25 | 42.26 | 20.26 | 135.15 | 6.50 | 0.45 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 13.53 | 68.75 | 36.90 | 26.27 | 99.90 | 6.50 | 0.30 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 10.16 | 49.00 | 32.78 | 21.73 | 64.00 | 4.70 | 0.10 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 10.01 | 57.00 | 29.06 | 24.22 | 51.00 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 8.11 | 53.50 | 69.25 | 24.07 | 42.88 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 7.96 | 41.85 | 101.40 | 24.66 | 30.92 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 5.00 | 82.50 | 137.90 | 26.56 | 32.98 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 6.20 | 157.50 | 115.20 | 25.98 | 40.20 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 20.56 | 238.00 | 65.00 | 24.22 | 30.51 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 27.83 | 22.46 | 186.05 | 54.75 | 66.00 | 28.24 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 41.23 | 15.29 | 134.10 | 50.25 | 38.96 | 25.83 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 41.44 | 12.21 | 85.80 | 36.90 | 29.48 | 21.73 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 37.73 | 10.89 | 61.75 | 32.16 | 28.86 | 19.24 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 70.50 | 12.65 | 66.75 | 34.43 | 45.00 | 17.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 49.75 | 15.43 | 48.25 | 34.63 | 30.51 | 16.75 | 5.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 31.13 | 17.92 | 45.75 | 31.74 | 24.66 | 16.46 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 21.29 | 12.94 | 42.47 | 45.25 | 28.65 | 15.58 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 25.39 | 12.06 | 33.60 | 41.03 | 98.10 | 14.41 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 16.90 | 13.53 | 33.60 | 35.46 | 96.30 | 13.68 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 21.88 | 40.20 | 27.83 | 30.71 | 59.25 | 12.65 | 2.10 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 15.43 | 58.25 | 32.98 | 67.00 | 54.75 | 12.36 | 2.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 17.48 | | 33.39 | 84.00 | | 12.94 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.02 | 417.98 | 463.88 | 3096.77 | 1945.26 | 1111.08 | 2291.63 | 155.84 | 10.05 | 0.00 | 0.00 | 0.00 | 9492.51 | CMSDAY |
| Mean | 0.00 | 13.48 | 15.46 | 99.90 | 62.75 | 37.04 | 73.92 | 5.19 | 0.32 | 0.00 | 0.00 | 0.00 | 26.01 | CMS |
| Max | 0.01 | 70.50 | 58.25 | 250.50 | 137.90 | 98.10 | 239.00 | 10.89 | 2.00 | 0.00 | 0.00 | 0.00 | 250.50 | CMS |
| Min | 0.00 | 0.00 | 5.00 | 27.83 | 29.06 | 20.26 | 12.36 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 36.11 | 40.08 | 267.56 | 168.07 | 96.00 | 198.00 | 13.46 | 0.87 | 0.00 | 0.00 | 0.00 | 820.15 | MCM |

Momentary Peak 266.00 CMS, at 19.55 m. (MSL.), at 18.00 Hours, on Jul 5, 2006

Runoff Yield 82.30 Liters/Second/Square KM. Momentary Peak Yield 841.77 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Phrawa Yai at Ban Phrawa, Chanthaburi (Z.39)

Lat 13 - 00 - 55 N Long 101 - 47 - 26 E

**Location : on left bank at Ban Phrawa.**

**Ban** Phrawa **Amphoe** Kaeng Hang Maeo **Changwat** Chanthaburi

| | |
|---|---|
| **Drainge Area** | 80 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +59.729 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank next tall pole for electric cable dwelling. **Elevation** +62.879 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings |
| **Period of Available Gage Records** | 1998 to date |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 14 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

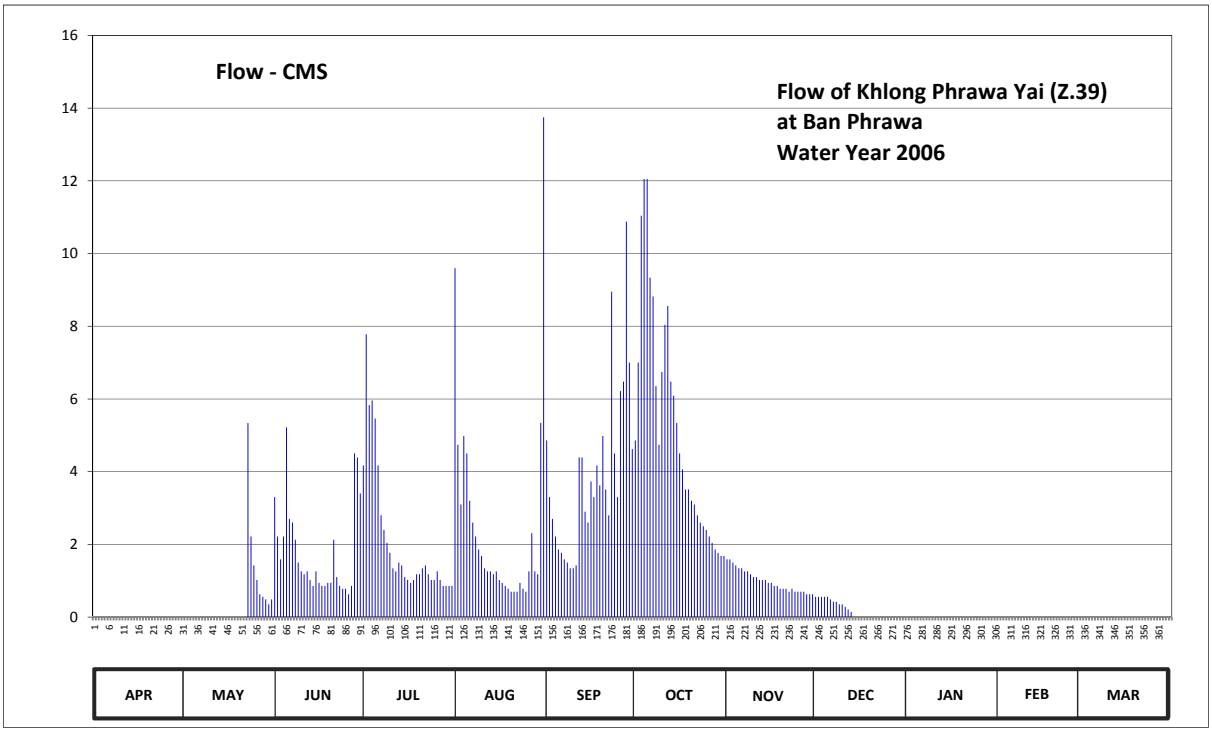
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 59.10 | 59.10 | 60.19 | 60.27 | 60.70 | 60.33 | 60.33 | 60.01 | 59.88 | 59.10 | 59.10 | 59.10 | |
| 2 | 59.10 | 59.10 | 60.08 | 60.56 | 60.32 | 60.19 | 60.50 | 60.01 | 59.88 | 59.10 | 59.10 | 59.10 | |
| 3 | 59.10 | 59.10 | 60.01 | 60.41 | 60.17 | 60.13 | 60.79 | 60.00 | 59.88 | 59.10 | 59.10 | 59.10 | |
| 4 | 59.10 | 59.10 | 60.08 | 60.42 | 60.34 | 60.08 | 60.85 | 59.99 | 59.88 | 59.10 | 59.10 | 59.10 | |
| 5 | 59.10 | 59.10 | 60.36 | 60.38 | 60.30 | 60.04 | 60.85 | 59.98 | 59.88 | 59.10 | 59.10 | 59.10 | |
| 6 | 59.10 | 59.10 | 60.13 | 60.27 | 60.18 | 60.03 | 60.68 | 59.98 | 59.87 | 59.10 | 59.10 | 59.10 | |
| 7 | 59.10 | 59.10 | 60.12 | 60.14 | 60.12 | 60.01 | 60.64 | 59.97 | 59.86 | 59.10 | 59.10 | 59.10 | |
| 8 | 59.10 | 59.10 | 60.07 | 60.10 | 60.08 | 60.00 | 60.45 | 59.97 | 59.86 | 59.10 | 59.10 | 59.10 | |
| 9 | 59.10 | 59.10 | 60.00 | 60.06 | 60.04 | 59.98 | 60.32 | 59.96 | 59.85 | 59.10 | 59.10 | 59.10 | |
| 10 | 59.10 | 59.10 | 59.97 | 60.03 | 60.02 | 59.98 | 60.48 | 59.95 | 59.85 | 59.10 | 59.10 | 59.10 | |
| 11 | 59.10 | 59.10 | 59.96 | 59.98 | 59.98 | 59.99 | 60.58 | 59.95 | 59.84 | 59.10 | 59.10 | 59.10 | |
| 12 | 59.10 | 59.10 | 59.97 | 59.97 | 59.97 | 60.29 | 60.62 | 59.94 | 59.83 | 59.10 | 59.10 | 59.10 | |
| 13 | 59.10 | 59.10 | 59.94 | 60.00 | 59.97 | 60.29 | 60.46 | 59.94 | 59.82 | 59.10 | 59.10 | 59.10 | |
| 14 | 59.10 | 59.10 | 59.92 | 59.99 | 59.96 | 60.15 | 60.43 | 59.94 | 59.80 | 59.10 | 59.10 | 59.10 | |
| 15 | 59.10 | 59.10 | 59.97 | 59.95 | 59.97 | 60.12 | 60.37 | 59.93 | 59.78 | 59.10 | 59.10 | 59.10 | |
| 16 | 59.10 | 59.10 | 59.93 | 59.94 | 59.94 | 60.23 | 60.30 | 59.93 | 59.78 | 59.10 | 59.10 | 59.10 | |
| 17 | 59.10 | 59.10 | 59.92 | 59.93 | 59.93 | 60.19 | 60.26 | 59.92 | 59.77 | 59.10 | 59.10 | 59.10 | |
| 18 | 59.10 | 59.10 | 59.92 | 59.94 | 59.92 | 60.27 | 60.21 | 59.92 | 59.75 | 59.10 | 59.10 | 59.10 | |
| 19 | 59.10 | 59.10 | 59.93 | 59.96 | 59.91 | 60.22 | 60.21 | 59.91 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 20 | 59.10 | 59.10 | 59.93 | 59.96 | 59.90 | 60.34 | 60.18 | 59.91 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 21 | 59.10 | 59.10 | 60.07 | 59.98 | 59.90 | 60.21 | 60.17 | 59.91 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 22 | 59.10 | 59.10 | 59.95 | 59.99 | 59.90 | 60.14 | 60.14 | 59.90 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 23 | 59.10 | 60.37 | 59.92 | 59.96 | 59.93 | 60.65 | 60.12 | 59.91 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 24 | 59.10 | 60.08 | 59.91 | 59.94 | 59.91 | 60.30 | 60.11 | 59.90 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 25 | 59.10 | 59.99 | 59.91 | 59.94 | 59.90 | 60.19 | 60.10 | 59.90 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 26 | 59.10 | 59.94 | 59.89 | 59.97 | 59.97 | 60.44 | 60.08 | 59.90 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 27 | 59.10 | 59.89 | 59.92 | 59.94 | 60.09 | 60.46 | 60.06 | 59.90 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 28 | 59.10 | 59.88 | 60.30 | 59.92 | 59.97 | 60.78 | 60.04 | 59.89 | 59.10 | 59.10 | 59.10 | 59.10 | |
| 29 | 59.10 | 59.87 | 60.29 | 59.92 | 59.96 | 60.50 | 60.03 | 59.89 | 59.10 | 59.10 | | 59.10 | |
| 30 | 59.10 | 59.85 | 60.20 | 59.92 | 60.37 | 60.31 | 60.02 | 59.89 | 59.10 | 59.10 | | 59.10 | |
| 31 | | 59.87 | | 59.92 | 60.95 | | 60.02 | | 59.10 | 59.10 | | 59.10 | |
| Mean | 59.10 | 59.35 | 60.03 | 60.05 | 60.08 | 60.23 | 60.34 | 59.94 | 59.53 | 59.10 | 59.10 | 59.10 | |
| Max | 59.10 | 60.37 | 60.36 | 60.56 | 60.95 | 60.78 | 60.85 | 60.01 | 59.88 | 59.10 | 59.10 | 59.10 | 60.95 |
| Min | 59.10 | 59.10 | 59.89 | 59.92 | 59.90 | 59.98 | 60.02 | 59.89 | 59.10 | 59.10 | 59.10 | 59.10 | 59.10 |

Annual Max Momentary Gage Height 61.41 m. (MSL.) , at 06.00 Hours, on Aug 31, 2006

Zero Gage at Bottom Elevation 59.73 m. (MSL.) , River Bed 59.00 m. (MSL.)

Left Bank Elevation 62.59 m. (MSL.) ,

Right Bank Elevation 62.60 m. (MSL.) , Drainage Are 80 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 3.30 | 4.17 | 9.60 | 4.86 | 4.86 | 1.59 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 2.22 | 7.78 | 4.74 | 3.30 | 7.00 | 1.59 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 1.59 | 5.83 | 3.10 | 2.70 | 11.04 | 1.50 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 2.22 | 5.96 | 4.98 | 2.22 | 12.05 | 1.42 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 5.22 | 5.46 | 4.50 | 1.86 | 12.05 | 1.34 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 2.70 | 4.17 | 3.20 | 1.77 | 9.34 | 1.34 | 0.49 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 2.60 | 2.80 | 2.60 | 1.59 | 8.82 | 1.26 | 0.42 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 2.13 | 2.40 | 2.22 | 1.50 | 6.35 | 1.26 | 0.42 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 1.50 | 2.04 | 1.86 | 1.34 | 4.74 | 1.18 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 1.26 | 1.77 | 1.68 | 1.34 | 6.74 | 1.10 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 1.18 | 1.34 | 1.34 | 1.42 | 8.04 | 1.10 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 1.26 | 1.26 | 1.26 | 4.39 | 8.56 | 1.02 | 0.21 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 1.02 | 1.50 | 1.26 | 4.39 | 6.48 | 1.02 | 0.14 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.86 | 1.42 | 1.18 | 2.90 | 6.09 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 1.26 | 1.10 | 1.26 | 2.60 | 5.34 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.94 | 1.02 | 1.02 | 3.73 | 4.50 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.86 | 0.94 | 0.94 | 3.30 | 4.06 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.86 | 1.02 | 0.86 | 4.17 | 3.51 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.94 | 1.18 | 0.78 | 3.62 | 3.51 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.94 | 1.18 | 0.70 | 4.98 | 3.20 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 2.13 | 1.34 | 0.70 | 3.51 | 3.10 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 1.10 | 1.42 | 0.70 | 2.80 | 2.80 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 5.34 | 0.86 | 1.18 | 0.94 | 8.95 | 2.60 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 2.22 | 0.78 | 1.02 | 0.78 | 4.50 | 2.50 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 1.42 | 0.78 | 1.02 | 0.70 | 3.30 | 2.40 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 1.02 | 0.63 | 1.26 | 1.26 | 6.22 | 2.22 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.63 | 0.86 | 1.02 | 2.31 | 6.48 | 2.04 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.56 | 4.50 | 0.86 | 1.26 | 10.88 | 1.86 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.49 | 4.39 | 0.86 | 1.18 | 7.00 | 1.77 | 0.63 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.35 | 3.40 | 0.86 | 5.34 | 4.62 | 1.68 | 0.63 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.49 | | 0.86 | 13.75 | | 1.68 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 12.52 | 54.29 | 66.04 | 78.00 | 116.24 | 160.93 | 29.85 | 5.46 | 0.00 | 0.00 | 0.00 | 523.33 | CMSDAY |
| Mean | 0.00 | 0.40 | 1.81 | 2.13 | 2.52 | 3.87 | 5.19 | 0.99 | 0.18 | 0.00 | 0.00 | 0.00 | 1.43 | CMS |
| Max | 0.00 | 5.34 | 5.22 | 7.78 | 13.75 | 10.88 | 12.05 | 1.59 | 0.56 | 0.00 | 0.00 | 0.00 | 13.75 | CMS |
| Min | 0.00 | 0.00 | 0.63 | 0.86 | 0.70 | 1.34 | 1.68 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 1.08 | 4.69 | 5.71 | 6.74 | 10.04 | 13.90 | 2.58 | 0.47 | 0.00 | 0.00 | 0.00 | 45.22 | MCM |

Momentary Peak 22.72 CMS, at 61.41 m. (MSL.), at 06.00 Hours, on Aug 31, 2006

Runoff Yield 17.91 Liters/Second/Square KM. Momentary Peak Yield 283.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Prakaet at Ban Prakaet , Chanthaburi (Z.42)

Lat 12 - 57 - 32 N Long 101 - 51 - 57 E

**Location : on left bank at Ban Prakaet, Tambon Sam Phinong.**

**Ban** Prakaet **Amphoe** Kaeng Hang Maeo **Changwat** Chanthaburi

| | |
|---|---|
| **Drainge Area** | 451 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +17.754 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 200 meters from the gage observer's house. **Elevation** +24.921 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1996 to date. |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date. |
| **Stability of Channel Regimes** | Fairly stable with variable water surface slope. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 23 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

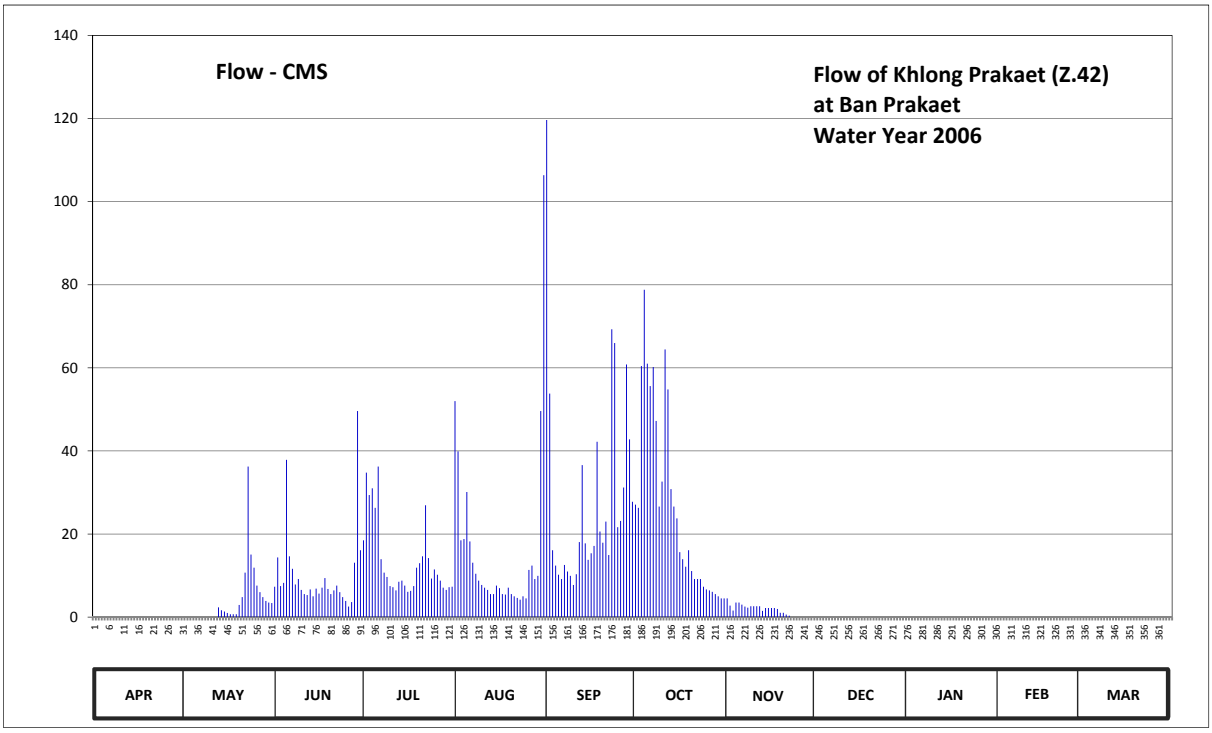
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17.70 | 17.70 | 18.61 | 19.42 | 21.30 | 24.29 | 19.98 | 18.35 | 18.55 | 18.51 | 18.35 | 18.03 | |
| 2 | 17.70 | 17.70 | 19.14 | 20.41 | 20.69 | 21.39 | 19.93 | 18.17 | 18.55 | 18.50 | 18.35 | 18.02 | |
| 3 | 17.70 | 17.70 | 18.62 | 20.11 | 19.42 | 19.26 | 21.72 | 18.02 | 18.55 | 18.50 | 18.35 | 18.01 | |
| 4 | 17.72 | 17.70 | 18.68 | 20.20 | 19.44 | 19.00 | 22.56 | 18.25 | 18.55 | 18.50 | 18.35 | 18.01 | |
| 5 | 17.74 | 17.70 | 20.58 | 19.93 | 20.15 | 18.83 | 21.75 | 18.25 | 18.55 | 18.50 | 18.35 | 18.01 | |
| 6 | 17.74 | 17.70 | 19.16 | 20.49 | 19.40 | 18.75 | 21.48 | 18.20 | 18.55 | 18.50 | 18.35 | 18.01 | |
| 7 | 17.71 | 17.72 | 18.94 | 19.11 | 19.05 | 19.01 | 21.71 | 18.14 | 18.50 | 18.50 | 18.35 | 18.00 | |
| 8 | 17.71 | 17.72 | 18.65 | 18.87 | 18.85 | 18.89 | 21.06 | 18.11 | 18.50 | 18.50 | 18.34 | 18.00 | |
| 9 | 17.71 | 17.72 | 18.75 | 18.79 | 18.72 | 18.81 | 19.95 | 18.15 | 18.50 | 18.48 | 18.29 | 18.00 | |
| 10 | 17.71 | 17.72 | 18.54 | 18.62 | 18.64 | 18.64 | 20.29 | 18.15 | 18.50 | 18.45 | 18.28 | 17.95 | |
| 11 | 17.71 | 17.72 | 18.45 | 18.60 | 18.59 | 18.84 | 21.91 | 18.15 | 18.50 | 18.45 | 18.25 | 17.94 | |
| 12 | 17.71 | 17.75 | 18.43 | 18.53 | 18.54 | 19.39 | 21.44 | 18.15 | 18.50 | 18.45 | 18.25 | 17.94 | |
| 13 | 17.71 | 18.12 | 18.55 | 18.70 | 18.45 | 20.51 | 20.19 | 18.01 | 18.50 | 18.45 | 18.25 | 17.94 | |
| 14 | 17.71 | 18.03 | 18.40 | 18.72 | 18.45 | 19.37 | 19.95 | 18.10 | 18.49 | 18.45 | 18.25 | 17.93 | |
| 15 | 17.71 | 17.99 | 18.57 | 18.63 | 18.63 | 19.10 | 19.77 | 18.10 | 18.48 | 18.44 | 18.25 | 17.90 | |
| 16 | 17.71 | 17.94 | 18.46 | 18.50 | 18.58 | 19.21 | 19.23 | 18.10 | 18.46 | 18.43 | 18.25 | 17.90 | |
| 17 | 17.72 | 17.90 | 18.59 | 18.52 | 18.45 | 19.33 | 19.11 | 18.10 | 18.45 | 18.42 | 18.25 | 17.90 | |
| 18 | 17.72 | 17.90 | 18.77 | 18.62 | 18.44 | 20.81 | 18.98 | 18.07 | 18.44 | 18.41 | 18.25 | 17.90 | |
| 19 | 17.72 | 17.90 | 18.56 | 18.96 | 18.59 | 19.56 | 19.26 | 17.95 | 18.42 | 18.40 | 18.25 | 17.85 | |
| 20 | 17.72 | 18.19 | 18.45 | 19.04 | 18.45 | 19.38 | 18.90 | 17.95 | 18.40 | 18.40 | 18.25 | 17.85 | |
| 21 | 17.72 | 18.38 | 18.53 | 19.16 | 18.40 | 19.72 | 18.75 | 17.89 | 18.40 | 18.40 | 18.25 | 17.84 | |
| 22 | 17.72 | 18.87 | 18.63 | 19.97 | 18.36 | 19.18 | 18.75 | 17.85 | 18.40 | 18.40 | 18.21 | 17.84 | |
| 23 | 17.72 | 20.49 | 18.49 | 19.13 | 18.32 | 22.13 | 18.75 | 17.85 | 18.40 | 18.40 | 18.11 | 17.83 | |
| 24 | 17.72 | 19.19 | 18.38 | 18.76 | 18.40 | 21.98 | 18.61 | 18.53 | 18.42 | 18.39 | 18.05 | 17.83 | |
| 25 | 17.72 | 18.96 | 18.29 | 18.93 | 18.35 | 19.63 | 18.55 | 18.65 | 18.50 | 18.39 | 18.05 | 17.82 | |
| 26 | 17.72 | 18.63 | 18.14 | 18.83 | 18.92 | 19.73 | 18.53 | 18.55 | 18.50 | 18.38 | 18.05 | 17.82 | |
| 27 | 17.72 | 18.49 | 18.26 | 18.72 | 19.00 | 20.21 | 18.50 | 18.53 | 18.50 | 18.38 | 18.05 | 17.82 | |
| 28 | 17.73 | 18.38 | 19.05 | 18.59 | 18.75 | 21.74 | 18.45 | 18.55 | 18.52 | 18.37 | 18.05 | 17.82 | |
| 29 | 17.73 | 18.29 | 21.18 | 18.54 | 18.81 | 20.84 | 18.40 | 18.55 | 18.51 | 18.35 | | 17.82 | |
| 30 | 17.74 | 18.25 | 19.26 | 18.60 | 21.18 | 20.02 | 18.35 | 18.55 | 18.51 | 18.35 | | 17.82 | |
| 31 | | 18.24 | | 18.61 | 23.74 | | 18.35 | | 18.51 | 18.35 | | 17.81 | |
| Mean | 17.72 | 18.15 | 18.77 | 19.05 | 19.13 | 19.92 | 19.78 | 18.20 | 18.49 | 18.43 | 18.24 | 17.91 | |
| Max | 17.74 | 20.49 | 21.18 | 20.49 | 23.74 | 24.29 | 22.56 | 18.65 | 18.55 | 18.51 | 18.35 | 18.03 | 24.29 |
| Min | 17.70 | 17.70 | 18.14 | 18.50 | 18.32 | 18.64 | 18.35 | 17.85 | 18.40 | 18.35 | 18.05 | 17.81 | 17.70 |

Annual Max Momentary Gage Height 24.42 m. (MSL.) , at 09.00 Hours, on Sep 1, 2006

Zero Gage at Bottom Elevation 17.75 m. (MSL.) , River Bed 17.61 m. (MSL.)

Left Bank Elevation 24.87 m. (MSL.) ,

Right Bank Elevation 24.91 m. (MSL.) , Drainage Are 451 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 7.33 | 18.50 | 52.00 | 119.65 | 27.08 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 14.36 | 34.78 | 39.91 | 53.80 | 26.28 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 7.46 | 29.38 | 18.50 | 16.10 | 60.40 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 8.24 | 31.00 | 18.80 | 12.40 | 78.80 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 37.84 | 26.28 | 30.10 | 10.19 | 61.00 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 14.64 | 36.22 | 18.20 | 9.15 | 55.60 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 11.62 | 13.94 | 13.10 | 12.54 | 60.20 | 2.52 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 7.85 | 10.71 | 10.45 | 10.97 | 47.20 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 9.15 | 9.67 | 8.76 | 9.93 | 26.60 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 6.54 | 7.46 | 7.72 | 7.72 | 32.62 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 5.55 | 7.20 | 7.09 | 10.32 | 64.42 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 5.33 | 6.43 | 6.54 | 18.05 | 54.80 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 2.36 | 6.65 | 8.50 | 5.55 | 36.58 | 30.82 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 1.64 | 5.00 | 8.76 | 5.55 | 17.75 | 26.60 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 1.33 | 6.87 | 7.59 | 7.59 | 13.80 | 23.75 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.98 | 5.66 | 6.10 | 6.98 | 15.35 | 15.65 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.70 | 7.09 | 6.32 | 5.55 | 17.15 | 13.94 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.70 | 9.41 | 7.46 | 5.44 | 42.20 | 12.14 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.70 | 6.76 | 11.88 | 7.09 | 20.60 | 16.10 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 2.92 | 5.55 | 12.96 | 5.55 | 17.90 | 11.10 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 4.80 | 6.43 | 14.64 | 5.00 | 23.00 | 9.15 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 10.71 | 7.59 | 26.92 | 4.60 | 14.92 | 9.15 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 36.22 | 5.99 | 14.22 | 4.20 | 69.26 | 9.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 15.06 | 4.80 | 9.28 | 5.00 | 65.96 | 7.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 11.88 | 3.90 | 11.49 | 4.50 | 21.65 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 7.59 | 2.52 | 10.19 | 11.36 | 23.15 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 5.99 | 3.60 | 8.76 | 12.40 | 31.18 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 4.80 | 13.10 | 7.09 | 9.15 | 60.80 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 3.90 | 49.60 | 6.54 | 9.93 | 42.80 | 5.00 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 3.50 | 16.10 | 7.20 | 49.60 | 27.76 | 4.50 | 0.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 3.40 | | 7.33 | 106.36 | | 4.50 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 119.18 | 302.53 | 424.80 | 502.57 | 852.63 | 818.61 | 49.34 | 0.00 | 0.00 | 0.00 | 0.00 | 3069.66 | CMSDAY |
| Mean | 0.00 | 3.84 | 10.08 | 13.70 | 16.21 | 28.42 | 26.41 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 8.41 | CMS |
| Max | 0.00 | 36.22 | 49.60 | 36.22 | 106.36 | 119.65 | 78.80 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | 119.65 | CMS |
| Min | 0.00 | 0.00 | 2.52 | 6.10 | 4.20 | 7.72 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.00 | 10.30 | 26.14 | 36.70 | 43.42 | 73.67 | 70.73 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 | 265.22 | MCM |

Momentary Peak 122.90 CMS, at 24.42 m. (MSL.), at 09.00 Hours, on Sep 1, 2006

Runoff Yield 18.65 Liters/Second/Square KM. Momentary Peak Yield 272.51 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Hin Phloeng at Ban Hin Phloeng, Chanthaburi (Z.43)

Lat 12 - 57 - 04 N Long 101 - 47 - 59 E

**Location : on right bank at the bridge on highway.**

**Ban** Hin Phloeng **Amphoe** Kaeng Hang Maeo **Changwat** Chanthaburi

| | |
|---|---|
| **Drainge Area** | 4 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +45.094 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 20 meters from the top staff gage. **Elevation** +48.611 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1996 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 13 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

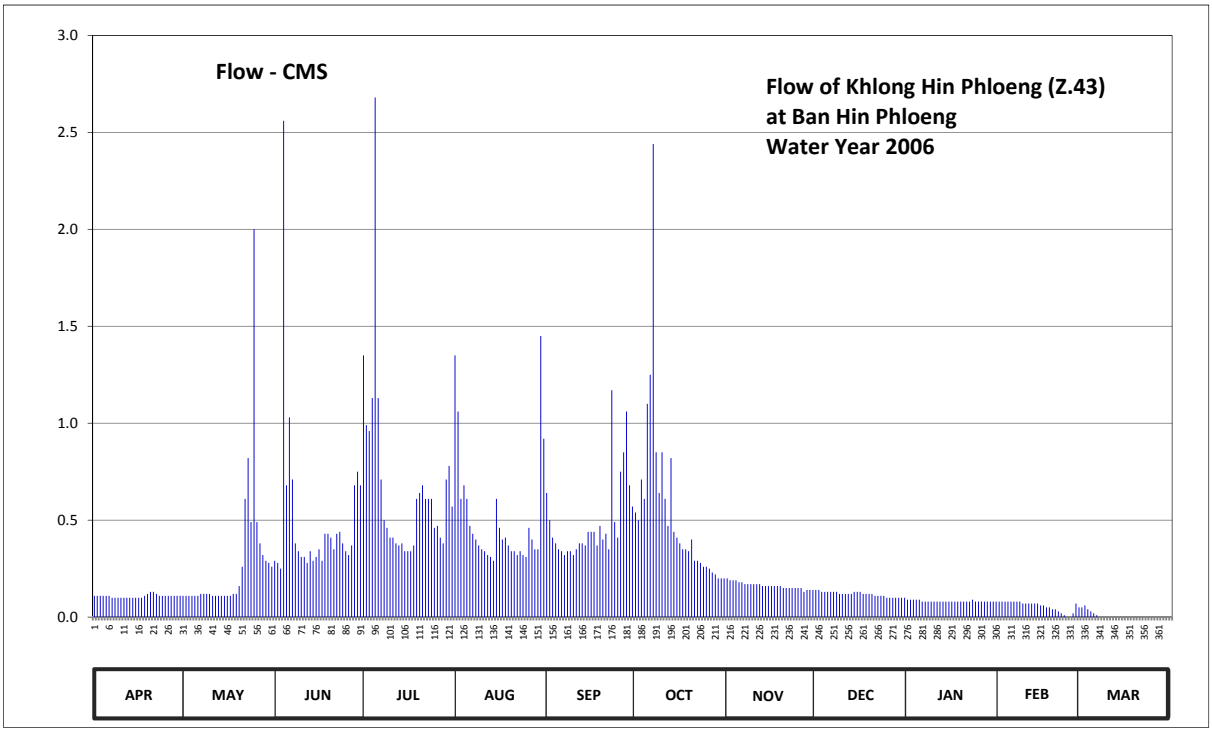
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 45.51 | 45.51 | 45.66 | 46.03 | 46.03 | 45.84 | 45.81 | 45.60 | 45.54 | 45.49 | 45.48 | 45.45 | |
| 2 | 45.51 | 45.51 | 45.65 | 45.94 | 45.96 | 45.80 | 45.80 | 45.59 | 45.54 | 45.49 | 45.48 | 45.46 | |
| 3 | 45.51 | 45.51 | 45.63 | 45.93 | 45.83 | 45.74 | 45.86 | 45.59 | 45.53 | 45.49 | 45.48 | 45.44 | |
| 4 | 45.51 | 45.51 | 46.26 | 45.98 | 45.85 | 45.72 | 45.83 | 45.59 | 45.53 | 45.49 | 45.48 | 45.43 | |
| 5 | 45.51 | 45.51 | 45.85 | 46.28 | 45.83 | 45.70 | 45.97 | 45.58 | 45.53 | 45.49 | 45.48 | 45.42 | |
| 6 | 45.51 | 45.51 | 45.95 | 45.98 | 45.78 | 45.69 | 46.01 | 45.58 | 45.53 | 45.48 | 45.48 | 45.41 | |
| 7 | 45.50 | 45.52 | 45.86 | 45.86 | 45.75 | 45.68 | 46.24 | 45.57 | 45.53 | 45.48 | 45.48 | 45.40 | |
| 8 | 45.50 | 45.52 | 45.72 | 45.80 | 45.73 | 45.69 | 45.90 | 45.57 | 45.53 | 45.48 | 45.48 | 45.39 | |
| 9 | 45.50 | 45.52 | 45.69 | 45.77 | 45.71 | 45.69 | 45.84 | 45.57 | 45.52 | 45.48 | 45.47 | 45.38 | |
| 10 | 45.50 | 45.52 | 45.67 | 45.74 | 45.70 | 45.68 | 45.90 | 45.57 | 45.52 | 45.48 | 45.47 | 45.37 | |
| 11 | 45.50 | 45.51 | 45.67 | 45.74 | 45.69 | 45.70 | 45.83 | 45.57 | 45.52 | 45.48 | 45.47 | 45.35 | |
| 12 | 45.50 | 45.51 | 45.65 | 45.72 | 45.68 | 45.72 | 45.78 | 45.57 | 45.52 | 45.48 | 45.47 | 45.31 | |
| 13 | 45.50 | 45.51 | 45.69 | 45.71 | 45.67 | 45.72 | 45.89 | 45.56 | 45.52 | 45.48 | 45.47 | 45.28 | |
| 14 | 45.50 | 45.51 | 45.66 | 45.72 | 45.66 | 45.71 | 45.76 | 45.56 | 45.53 | 45.48 | 45.47 | 45.27 | |
| 15 | 45.50 | 45.51 | 45.67 | 45.69 | 45.83 | 45.76 | 45.74 | 45.56 | 45.53 | 45.48 | 45.46 | 45.25 | |
| 16 | 45.50 | 45.51 | 45.70 | 45.69 | 45.77 | 45.76 | 45.72 | 45.56 | 45.53 | 45.48 | 45.46 | 45.25 | |
| 17 | 45.50 | 45.51 | 45.66 | 45.69 | 45.73 | 45.76 | 45.70 | 45.56 | 45.52 | 45.48 | 45.45 | 45.24 | |
| 18 | 45.51 | 45.52 | 45.75 | 45.71 | 45.74 | 45.71 | 45.70 | 45.56 | 45.52 | 45.48 | 45.45 | 45.24 | |
| 19 | 45.52 | 45.52 | 45.75 | 45.83 | 45.71 | 45.78 | 45.69 | 45.56 | 45.52 | 45.48 | 45.44 | 45.23 | |
| 20 | 45.53 | 45.56 | 45.74 | 45.84 | 45.69 | 45.73 | 45.73 | 45.55 | 45.52 | 45.48 | 45.44 | 45.22 | |
| 21 | 45.53 | 45.64 | 45.70 | 45.85 | 45.69 | 45.75 | 45.66 | 45.55 | 45.51 | 45.48 | 45.43 | 45.22 | |
| 22 | 45.52 | 45.83 | 45.75 | 45.83 | 45.68 | 45.70 | 45.66 | 45.55 | 45.51 | 45.48 | 45.42 | 45.21 | |
| 23 | 45.51 | 45.89 | 45.76 | 45.83 | 45.69 | 45.99 | 45.65 | 45.55 | 45.51 | 45.49 | 45.41 | 45.21 | |
| 24 | 45.51 | 45.79 | 45.72 | 45.83 | 45.68 | 45.79 | 45.64 | 45.55 | 45.51 | 45.48 | 45.40 | 45.21 | |
| 25 | 45.51 | 46.16 | 45.69 | 45.77 | 45.67 | 45.74 | 45.64 | 45.55 | 45.50 | 45.48 | 45.39 | 45.21 | |
| 26 | 45.51 | 45.79 | 45.68 | 45.78 | 45.77 | 45.87 | 45.63 | 45.55 | 45.50 | 45.48 | 45.42 | 45.20 | |
| 27 | 45.51 | 45.72 | 45.71 | 45.74 | 45.73 | 45.90 | 45.62 | 45.53 | 45.50 | 45.48 | 45.47 | 45.19 | |
| 28 | 45.51 | 45.68 | 45.85 | 45.72 | 45.70 | 45.96 | 45.61 | 45.54 | 45.50 | 45.48 | 45.45 | 45.18 | |
| 29 | 45.51 | 45.66 | 45.87 | 45.86 | 45.70 | 45.85 | 45.60 | 45.54 | 45.50 | 45.48 | | 45.17 | |
| 30 | 45.51 | 45.65 | 45.85 | 45.88 | 46.05 | 45.82 | 45.60 | 45.54 | 45.50 | 45.48 | | 45.16 | |
| 31 | | 45.64 | | 45.82 | 45.92 | | 45.60 | | 45.50 | 45.48 | | 45.15 | |
| Mean | 45.51 | 45.61 | 45.75 | 45.82 | 45.76 | 45.76 | 45.76 | 45.56 | 45.52 | 45.48 | 45.46 | 45.29 | |
| Max | 45.53 | 46.16 | 46.26 | 46.28 | 46.05 | 45.99 | 46.24 | 45.60 | 45.54 | 45.49 | 45.48 | 45.46 | 46.28 |
| Min | 45.50 | 45.51 | 45.63 | 45.69 | 45.66 | 45.68 | 45.60 | 45.53 | 45.50 | 45.48 | 45.39 | 45.15 | 45.15 |

Annual Max Momentary Gage Height 47.34 m. (MSL.) , at 18.00 Hours, on Jul 5, 2006

Zero Gage at Bottom Elevation 45.09 m. (MSL.) , River Bed 45.06 m. (MSL.)

Left Bank Elevation 49.82 m. (MSL.) ,

Right Bank Elevation 49.82 m. (MSL.) , Drainage Are 4 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.11 | 0.11 | 0.29 | 1.35 | 1.35 | 0.64 | 0.54 | 0.20 | 0.14 | 0.09 | 0.08 | 0.05 | | |
| 2 | 0.11 | 0.11 | 0.28 | 0.99 | 1.06 | 0.50 | 0.50 | 0.19 | 0.14 | 0.09 | 0.08 | 0.06 | | |
| 3 | 0.11 | 0.11 | 0.25 | 0.96 | 0.61 | 0.41 | 0.71 | 0.19 | 0.13 | 0.09 | 0.08 | 0.04 | | |
| 4 | 0.11 | 0.11 | 2.56 | 1.13 | 0.68 | 0.38 | 0.61 | 0.19 | 0.13 | 0.09 | 0.08 | 0.03 | | |
| 5 | 0.11 | 0.11 | 0.68 | 2.68 | 0.61 | 0.35 | 1.10 | 0.18 | 0.13 | 0.09 | 0.08 | 0.02 | | |
| 6 | 0.11 | 0.11 | 1.03 | 1.13 | 0.47 | 0.34 | 1.25 | 0.18 | 0.13 | 0.08 | 0.08 | 0.01 | | |
| 7 | 0.10 | 0.12 | 0.71 | 0.71 | 0.43 | 0.32 | 2.44 | 0.17 | 0.13 | 0.08 | 0.08 | 0.00 | | |
| 8 | 0.10 | 0.12 | 0.38 | 0.50 | 0.40 | 0.34 | 0.85 | 0.17 | 0.13 | 0.08 | 0.08 | 0.00 | | |
| 9 | 0.10 | 0.12 | 0.34 | 0.46 | 0.37 | 0.34 | 0.64 | 0.17 | 0.12 | 0.08 | 0.07 | 0.00 | | |
| 10 | 0.10 | 0.12 | 0.31 | 0.41 | 0.35 | 0.32 | 0.85 | 0.17 | 0.12 | 0.08 | 0.07 | 0.00 | | |
| 11 | 0.10 | 0.11 | 0.31 | 0.41 | 0.34 | 0.35 | 0.61 | 0.17 | 0.12 | 0.08 | 0.07 | 0.00 | | |
| 12 | 0.10 | 0.11 | 0.28 | 0.38 | 0.32 | 0.38 | 0.47 | 0.17 | 0.12 | 0.08 | 0.07 | 0.00 | | |
| 13 | 0.10 | 0.11 | 0.34 | 0.37 | 0.31 | 0.38 | 0.82 | 0.16 | 0.12 | 0.08 | 0.07 | 0.00 | | |
| 14 | 0.10 | 0.11 | 0.29 | 0.38 | 0.29 | 0.37 | 0.44 | 0.16 | 0.13 | 0.08 | 0.07 | 0.00 | | |
| 15 | 0.10 | 0.11 | 0.31 | 0.34 | 0.61 | 0.44 | 0.41 | 0.16 | 0.13 | 0.08 | 0.06 | 0.00 | | |
| 16 | 0.10 | 0.11 | 0.35 | 0.34 | 0.46 | 0.44 | 0.38 | 0.16 | 0.13 | 0.08 | 0.06 | 0.00 | | |
| 17 | 0.10 | 0.11 | 0.29 | 0.34 | 0.40 | 0.44 | 0.35 | 0.16 | 0.12 | 0.08 | 0.05 | 0.00 | | |
| 18 | 0.11 | 0.12 | 0.43 | 0.37 | 0.41 | 0.37 | 0.35 | 0.16 | 0.12 | 0.08 | 0.05 | 0.00 | | |
| 19 | 0.12 | 0.12 | 0.43 | 0.61 | 0.37 | 0.47 | 0.34 | 0.16 | 0.12 | 0.08 | 0.04 | 0.00 | | |
| 20 | 0.13 | 0.16 | 0.41 | 0.64 | 0.34 | 0.40 | 0.40 | 0.15 | 0.12 | 0.08 | 0.04 | 0.00 | | |
| 21 | 0.13 | 0.26 | 0.35 | 0.68 | 0.34 | 0.43 | 0.29 | 0.15 | 0.11 | 0.08 | 0.03 | 0.00 | | |
| 22 | 0.12 | 0.61 | 0.43 | 0.61 | 0.32 | 0.35 | 0.29 | 0.15 | 0.11 | 0.08 | 0.02 | 0.00 | | |
| 23 | 0.11 | 0.82 | 0.44 | 0.61 | 0.34 | 1.17 | 0.28 | 0.15 | 0.11 | 0.09 | 0.01 | 0.00 | | |
| 24 | 0.11 | 0.49 | 0.38 | 0.61 | 0.32 | 0.49 | 0.26 | 0.15 | 0.11 | 0.08 | 0.00 | 0.00 | | |
| 25 | 0.11 | 2.00 | 0.34 | 0.46 | 0.31 | 0.41 | 0.26 | 0.15 | 0.10 | 0.08 | 0.00 | 0.00 | | |
| 26 | 0.11 | 0.49 | 0.32 | 0.47 | 0.46 | 0.75 | 0.25 | 0.15 | 0.10 | 0.08 | 0.02 | 0.00 | | |
| 27 | 0.11 | 0.38 | 0.37 | 0.41 | 0.40 | 0.85 | 0.23 | 0.13 | 0.10 | 0.08 | 0.07 | 0.00 | | |
| 28 | 0.11 | 0.32 | 0.68 | 0.38 | 0.35 | 1.06 | 0.22 | 0.14 | 0.10 | 0.08 | 0.05 | 0.00 | | |
| 29 | 0.11 | 0.29 | 0.75 | 0.71 | 0.35 | 0.68 | 0.20 | 0.14 | 0.10 | 0.08 | | 0.00 | | |
| 30 | 0.11 | 0.28 | 0.68 | 0.78 | 1.45 | 0.57 | 0.20 | 0.14 | 0.10 | 0.08 | | 0.00 | | |
| 31 | | 0.26 | | 0.57 | 0.92 | | 0.20 | | 0.10 | 0.08 | | 0.00 | | |
| Total | 3.25 | 8.51 | 15.01 | 20.79 | 15.74 | 14.74 | 16.74 | 4.87 | 3.67 | 2.54 | 1.56 | 0.21 | 107.63 | CMSDAY |
| Mean | 0.11 | 0.27 | 0.50 | 0.67 | 0.51 | 0.49 | 0.54 | 0.16 | 0.12 | 0.08 | 0.06 | 0.01 | 0.29 | CMS |
| Max | 0.13 | 2.00 | 2.56 | 2.68 | 1.45 | 1.17 | 2.44 | 0.20 | 0.14 | 0.09 | 0.08 | 0.06 | 2.68 | CMS |
| Min | 0.10 | 0.11 | 0.25 | 0.34 | 0.29 | 0.32 | 0.20 | 0.13 | 0.10 | 0.08 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.28 | 0.74 | 1.30 | 1.80 | 1.36 | 1.27 | 1.45 | 0.42 | 0.32 | 0.22 | 0.13 | 0.02 | 9.30 | MCM |

Momentary Peak 12.48 CMS, at 47.34 m. (MSL.), at 18.00 Hours, on Jul 5, 2006

Runoff Yield 73.72 Liters/Second/Square KM. Momentary Peak Yield 3120.00 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Aeng at Ban Kho Lae , Trat (Z.45)

Lat 12 - 36 - 58 N Long 102 - 28 - 42 E

**Location : on right bank near the highway bridge, Tambon Nong Bon.**

**Ban** Kho Lae **Amphoe** Bo Rai **Changwat** Trat

| | |
|---|---|
| **Drainge Area** | 58 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +31.250 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 15 meters from the top staff gage. **Elevation** +36.568 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1999 to date |
| **Rating Operation** | |
| **Period of Rating** | 1999 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1999 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 22 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

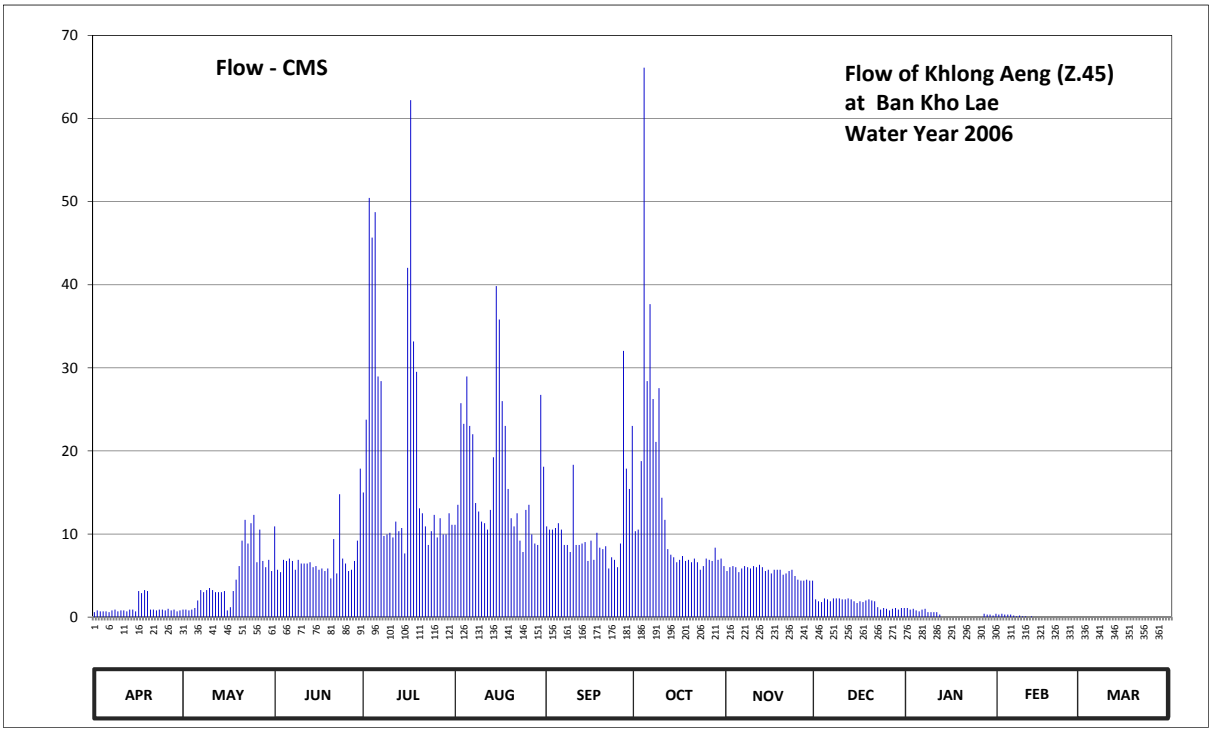
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31.06 | 31.09 | 31.79 | 31.99 | 31.80 | 31.79 | 31.76 | 31.47 | 31.21 | 31.11 | 31.03 | 31.00 | |
| 2 | 31.08 | 31.09 | 31.48 | 32.37 | 31.92 | 31.77 | 31.77 | 31.50 | 31.19 | 31.09 | 31.04 | 30.99 | |
| 3 | 31.07 | 31.08 | 31.46 | 33.26 | 32.45 | 31.77 | 32.16 | 31.51 | 31.18 | 31.10 | 31.03 | 31.01 | |
| 4 | 31.07 | 31.09 | 31.56 | 33.12 | 32.35 | 31.78 | 33.69 | 31.50 | 31.22 | 31.08 | 31.03 | 31.00 | |
| 5 | 31.07 | 31.11 | 31.55 | 33.21 | 32.57 | 31.81 | 32.55 | 31.46 | 31.21 | 31.07 | 31.03 | 31.02 | |
| 6 | 31.06 | 31.20 | 31.57 | 32.57 | 32.34 | 31.77 | 32.87 | 31.49 | 31.19 | 31.09 | 31.02 | 31.08 | |
| 7 | 31.08 | 31.30 | 31.55 | 32.55 | 32.30 | 31.67 | 32.47 | 31.51 | 31.22 | 31.10 | 31.01 | 32.00 | |
| 8 | 31.09 | 31.28 | 31.48 | 31.73 | 31.93 | 31.67 | 32.26 | 31.50 | 31.22 | 31.06 | 31.02 | 32.00 | |
| 9 | 31.07 | 31.30 | 31.56 | 31.74 | 31.88 | 31.62 | 32.52 | 31.49 | 31.22 | 31.06 | 31.01 | 32.01 | |
| 10 | 31.08 | 31.32 | 31.53 | 31.75 | 31.82 | 32.14 | 31.96 | 31.51 | 31.21 | 31.06 | 31.01 | 32.03 | |
| 11 | 31.08 | 31.30 | 31.53 | 31.72 | 31.81 | 31.67 | 31.83 | 31.50 | 31.21 | 31.06 | 31.00 | 32.02 | |
| 12 | 31.07 | 31.28 | 31.53 | 31.82 | 31.77 | 31.67 | 31.64 | 31.52 | 31.22 | 31.03 | 31.01 | 32.02 | |
| 13 | 31.09 | 31.28 | 31.54 | 31.76 | 31.89 | 31.68 | 31.60 | 31.50 | 31.21 | 31.00 | 31.00 | 32.04 | |
| 14 | 31.09 | 31.28 | 31.50 | 31.78 | 32.18 | 31.69 | 31.58 | 31.47 | 31.19 | 31.00 | 30.99 | 32.04 | |
| 15 | 31.07 | 31.29 | 31.51 | 31.61 | 32.94 | 31.55 | 31.54 | 31.48 | 31.17 | 31.00 | 30.99 | 32.04 | |
| 16 | 31.29 | 31.08 | 31.48 | 33.01 | 32.81 | 31.70 | 31.56 | 31.45 | 31.19 | 30.99 | 30.98 | 32.02 | |
| 17 | 31.27 | 31.12 | 31.49 | 33.59 | 32.46 | 31.56 | 31.59 | 31.48 | 31.18 | 30.98 | 30.97 | 32.08 | |
| 18 | 31.30 | 31.29 | 31.47 | 32.72 | 32.34 | 31.75 | 31.55 | 31.48 | 31.20 | 30.98 | 32.29 | 32.10 | |
| 19 | 31.29 | 31.40 | 31.49 | 32.59 | 32.01 | 31.65 | 31.56 | 31.48 | 31.21 | 30.96 | 32.23 | 31.94 | |
| 20 | 31.09 | 31.51 | 31.41 | 31.90 | 31.84 | 31.64 | 31.54 | 31.44 | 31.20 | 30.95 | 32.19 | 31.59 | |
| 21 | 31.09 | 31.70 | 31.71 | 31.87 | 31.79 | 31.66 | 31.57 | 31.45 | 31.19 | 30.94 | 32.09 | 31.57 | |
| 22 | 31.08 | 31.83 | 31.45 | 31.79 | 31.87 | 31.49 | 31.54 | 31.47 | 31.12 | 30.92 | 31.60 | 31.61 | |
| 23 | 31.09 | 31.68 | 31.98 | 31.67 | 31.70 | 31.58 | 31.48 | 31.48 | 31.09 | 30.90 | 31.55 | 31.65 | |
| 24 | 31.09 | 31.81 | 31.57 | 31.76 | 31.62 | 31.56 | 31.51 | 31.43 | 31.11 | 30.88 | 31.55 | 31.82 | |
| 25 | 31.08 | 31.86 | 31.53 | 31.86 | 31.89 | 31.50 | 31.57 | 31.40 | 31.10 | 30.87 | 30.94 | 31.73 | |
| 26 | 31.10 | 31.54 | 31.47 | 31.72 | 31.92 | 31.68 | 31.56 | 31.39 | 31.08 | 30.91 | 30.98 | 31.53 | |
| 27 | 31.08 | 31.77 | 31.48 | 31.84 | 31.74 | 32.68 | 31.55 | 31.39 | 31.10 | 31.04 | 31.00 | 31.52 | |
| 28 | 31.09 | 31.55 | 31.55 | 31.74 | 31.68 | 32.12 | 31.65 | 31.40 | 31.11 | 31.03 | 30.98 | 31.52 | |
| 29 | 31.07 | 31.50 | 31.70 | 31.74 | 31.67 | 32.01 | 31.56 | 31.39 | 31.09 | 31.03 | | 31.51 | |
| 30 | 31.08 | 31.56 | 32.12 | 31.87 | 32.49 | 32.34 | 31.57 | 31.39 | 31.11 | 31.02 | | 31.52 | |
| 31 | | 31.47 | | 31.80 | 32.13 | | 31.51 | | 31.11 | 31.04 | | 31.56 | |
| Mean | 31.11 | 31.39 | 31.57 | 32.14 | 32.06 | 31.77 | 31.84 | 31.46 | 31.17 | 31.01 | 31.23 | 31.66 | |
| Max | 31.30 | 31.86 | 32.12 | 33.59 | 32.94 | 32.68 | 33.69 | 31.52 | 31.22 | 31.11 | 32.29 | 32.10 | 33.69 |
| Min | 31.06 | 31.08 | 31.41 | 31.61 | 31.62 | 31.49 | 31.48 | 31.39 | 31.08 | 30.87 | 30.94 | 30.99 | 30.87 |

Annual Max Momentary Gage Height 35.30 m. (MSL.) , at 15.00 Hours, on Jul 17, 2006

Zero Gage at Bottom Elevation 31.25 m. (MSL.) , River Bed 30.34 m. (MSL.)

Left Bank Elevation 35.30 m. (MSL.) ,

Right Bank Elevation 35.31 m. (MSL.) , Drainage Are 58 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.60 | 0.90 | 10.91 | 14.99 | 11.10 | 10.91 | 10.34 | 5.55 | 2.13 | 1.10 | 0.30 | 0.00 | | |
| 2 | 0.80 | 0.90 | 5.70 | 23.75 | 13.52 | 10.53 | 10.53 | 6.00 | 1.90 | 0.90 | 0.40 | 0.00 | | |
| 3 | 0.70 | 0.80 | 5.40 | 50.44 | 25.75 | 10.53 | 18.78 | 6.15 | 1.80 | 1.00 | 0.30 | 0.00 | | |
| 4 | 0.70 | 0.90 | 6.90 | 45.68 | 23.25 | 10.72 | 66.11 | 6.00 | 2.25 | 0.80 | 0.30 | 0.00 | | |
| 5 | 0.70 | 1.10 | 6.75 | 48.74 | 28.96 | 11.30 | 28.40 | 5.40 | 2.13 | 0.70 | 0.30 | 0.00 | | |
| 6 | 0.60 | 2.00 | 7.05 | 28.96 | 23.00 | 10.53 | 37.67 | 5.85 | 1.90 | 0.90 | 0.20 | 0.00 | | |
| 7 | 0.80 | 3.25 | 6.75 | 28.40 | 22.00 | 8.69 | 26.25 | 6.15 | 2.25 | 1.00 | 0.10 | 0.00 | | |
| 8 | 0.90 | 3.00 | 5.70 | 9.77 | 13.73 | 8.69 | 21.08 | 6.00 | 2.25 | 0.60 | 0.20 | 0.00 | | |
| 9 | 0.70 | 3.25 | 6.90 | 9.96 | 12.70 | 7.84 | 27.56 | 5.85 | 2.25 | 0.60 | 0.10 | 0.00 | | |
| 10 | 0.80 | 3.50 | 6.45 | 10.15 | 11.50 | 18.32 | 14.36 | 6.15 | 2.13 | 0.60 | 0.10 | 0.00 | | |
| 11 | 0.80 | 3.25 | 6.45 | 9.58 | 11.30 | 8.69 | 11.70 | 6.00 | 2.13 | 0.60 | 0.00 | 0.00 | | |
| 12 | 0.70 | 3.00 | 6.45 | 11.50 | 10.53 | 8.69 | 8.18 | 6.30 | 2.25 | 0.30 | 0.10 | 0.00 | | |
| 13 | 0.90 | 3.00 | 6.60 | 10.34 | 12.90 | 8.86 | 7.50 | 6.00 | 2.13 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.90 | 3.00 | 6.00 | 10.72 | 19.24 | 9.03 | 7.20 | 5.55 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.70 | 3.13 | 6.15 | 7.67 | 39.84 | 6.75 | 6.60 | 5.70 | 1.70 | 0.00 | 0.00 | 0.00 | | |
| 16 | 3.13 | 0.80 | 5.70 | 42.03 | 35.81 | 9.20 | 6.90 | 5.25 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 17 | 2.88 | 1.20 | 5.85 | 62.21 | 26.00 | 6.90 | 7.35 | 5.70 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 18 | 3.25 | 3.13 | 5.55 | 33.18 | 23.00 | 10.15 | 6.75 | 5.70 | 2.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 3.13 | 4.50 | 5.85 | 29.52 | 15.42 | 8.35 | 6.90 | 5.70 | 2.13 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.90 | 6.15 | 4.65 | 13.10 | 11.90 | 8.18 | 6.60 | 5.10 | 2.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.90 | 9.20 | 9.39 | 12.50 | 10.91 | 8.52 | 7.05 | 5.25 | 1.90 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.80 | 11.70 | 5.25 | 10.91 | 12.50 | 5.85 | 6.60 | 5.55 | 1.20 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.90 | 8.86 | 14.78 | 8.69 | 9.20 | 7.20 | 5.70 | 5.70 | 0.90 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.90 | 11.30 | 7.05 | 10.34 | 7.84 | 6.90 | 6.15 | 4.95 | 1.10 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.80 | 12.30 | 6.45 | 12.30 | 12.90 | 6.00 | 7.05 | 4.50 | 1.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 1.00 | 6.60 | 5.55 | 9.58 | 13.52 | 8.86 | 6.90 | 4.38 | 0.80 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.80 | 10.53 | 5.70 | 11.90 | 9.96 | 32.04 | 6.75 | 4.38 | 1.00 | 0.40 | 0.00 | 0.00 | | |
| 28 | 0.90 | 6.75 | 6.75 | 9.96 | 8.86 | 17.86 | 8.35 | 4.50 | 1.10 | 0.30 | 0.00 | 0.00 | | |
| 29 | 0.70 | 6.00 | 9.20 | 9.96 | 8.69 | 15.42 | 6.90 | 4.38 | 0.90 | 0.30 | | 0.00 | | |
| 30 | 0.80 | 6.90 | 17.86 | 12.50 | 26.75 | 23.00 | 7.05 | 4.38 | 1.10 | 0.20 | | 0.00 | | |
| 31 | | 5.55 | | 11.10 | 18.09 | | 6.15 | | 1.10 | 0.40 | | 0.00 | | |
| Total | 33.09 | 146.45 | 215.74 | 620.43 | 530.67 | 324.51 | 411.41 | 164.07 | 53.03 | 10.70 | 2.40 | 0.00 | 2512.50 | CMSDAY |
| Mean | 1.10 | 4.72 | 7.19 | 20.01 | 17.12 | 10.82 | 13.27 | 5.47 | 1.71 | 0.35 | 0.09 | 0.00 | 6.88 | CMS |
| Max | 3.25 | 12.30 | 17.86 | 62.21 | 39.84 | 32.04 | 66.11 | 6.30 | 2.25 | 1.10 | 0.40 | 0.00 | 66.11 | CMS |
| Min | 0.60 | 0.80 | 4.65 | 7.67 | 7.84 | 5.85 | 5.70 | 4.38 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 2.86 | 12.65 | 18.64 | 53.61 | 45.85 | 28.04 | 35.55 | 14.18 | 4.58 | 0.92 | 0.21 | 0.00 | 217.08 | MCM |

Momentary Peak 136.20 CMS, at 35.30 m. (MSL.), at 15.00 Hours, on Jul 17, 2006

Runoff Yield 117.81 Liters/Second/Square KM. Momentary Peak Yield 2330.99 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Sano at Ban Nonthee , Trat (Z.46)

Lat 12 - 31 - 05 N Long 102 - 35 - 00 E

**Location : on right bank at Ban Nonthee.**

**Ban** Nonthee **Amphoe** Bo Rai **Changwat** Trat

| | |
|---|---|
| **Drainge Area** | 92 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +20.128 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 50 meters from the top staff gage. **Elevation** +27.928 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 25 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

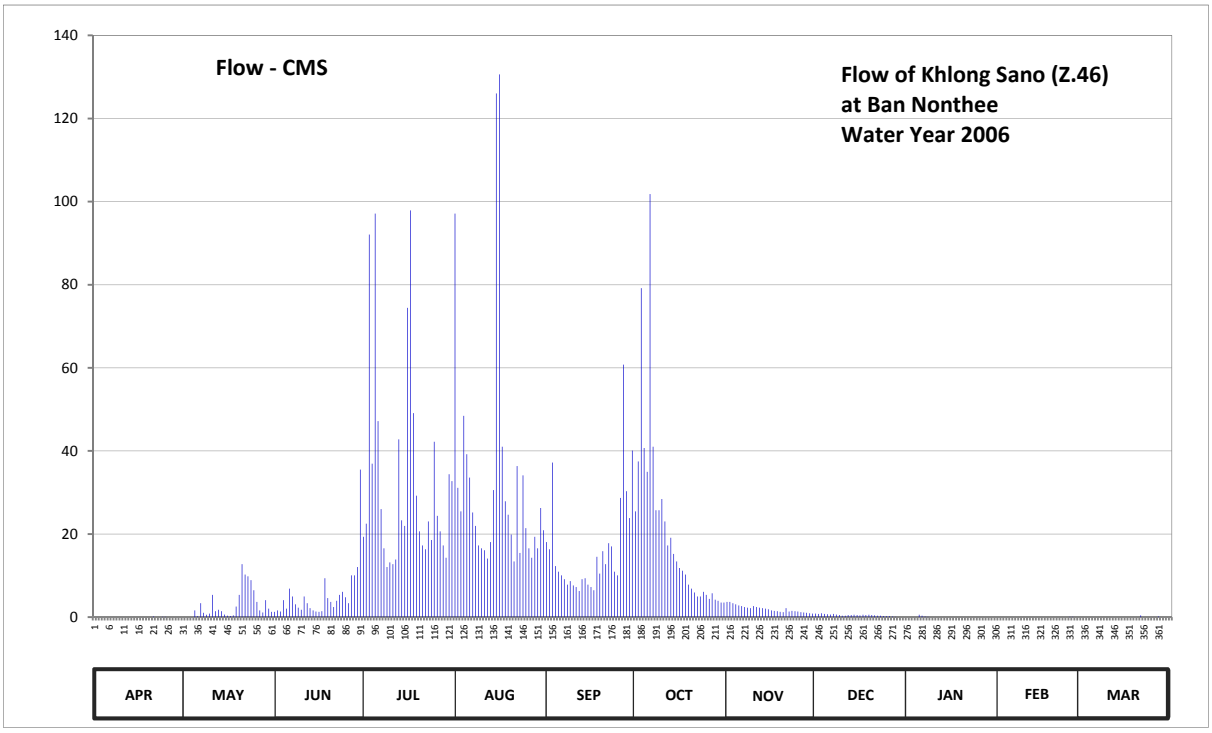
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19.79 | 19.76 | 19.97 | 20.89 | 23.29 | 20.84 | 21.12 | 20.16 | 19.92 | 19.71 | 19.79 | 19.79 | |
| 2 | 19.78 | 19.74 | 20.01 | 21.01 | 21.33 | 20.77 | 21.56 | 20.16 | 19.91 | 19.70 | 19.79 | 19.79 | |
| 3 | 19.78 | 19.73 | 19.98 | 23.16 | 21.12 | 21.55 | 22.82 | 20.14 | 19.93 | 19.75 | 19.78 | 19.78 | |
| 4 | 19.78 | 19.75 | 20.19 | 21.54 | 21.92 | 20.59 | 21.67 | 20.12 | 19.91 | 19.79 | 19.78 | 19.77 | |
| 5 | 19.77 | 20.01 | 20.04 | 23.29 | 21.62 | 20.53 | 21.47 | 20.10 | 19.90 | 19.88 | 19.78 | 19.76 | |
| 6 | 19.77 | 19.83 | 20.34 | 21.88 | 21.42 | 20.49 | 23.41 | 20.09 | 19.89 | 19.85 | 19.77 | 19.75 | |
| 7 | 19.76 | 20.14 | 20.24 | 21.14 | 21.11 | 20.45 | 21.68 | 20.07 | 19.91 | 19.82 | 19.77 | 19.75 | |
| 8 | 19.76 | 19.94 | 20.12 | 20.78 | 20.99 | 20.39 | 21.13 | 20.06 | 19.89 | 19.81 | 19.76 | 19.74 | |
| 9 | 19.76 | 19.88 | 20.06 | 20.58 | 20.81 | 20.43 | 21.13 | 20.05 | 19.87 | 19.80 | 19.75 | 19.74 | |
| 10 | 19.75 | 19.92 | 20.02 | 20.63 | 20.78 | 20.38 | 21.23 | 20.09 | 19.85 | 19.79 | 19.75 | 19.73 | |
| 11 | 19.75 | 20.26 | 20.24 | 20.61 | 20.76 | 20.36 | 21.03 | 20.07 | 19.85 | 19.78 | 19.73 | 19.73 | |
| 12 | 19.76 | 19.99 | 20.14 | 20.66 | 20.67 | 20.31 | 20.81 | 20.06 | 19.87 | 19.77 | 19.71 | 19.77 | |
| 13 | 19.79 | 20.02 | 20.05 | 21.74 | 20.84 | 20.45 | 20.88 | 20.05 | 19.87 | 19.76 | 19.70 | 19.76 | |
| 14 | 19.78 | 19.99 | 20.01 | 21.04 | 21.31 | 20.46 | 20.72 | 20.04 | 19.88 | 19.77 | 19.70 | 19.74 | |
| 15 | 19.77 | 19.89 | 19.98 | 20.99 | 24.01 | 20.39 | 20.64 | 20.03 | 19.87 | 19.78 | 19.79 | 19.74 | |
| 16 | 19.77 | 19.85 | 19.97 | 22.69 | 24.12 | 20.36 | 20.57 | 20.01 | 19.86 | 19.77 | 19.77 | 19.71 | |
| 17 | 19.78 | 19.84 | 19.99 | 23.31 | 21.68 | 20.32 | 20.54 | 20.00 | 19.88 | 19.76 | 19.78 | 19.69 | |
| 18 | 19.77 | 19.86 | 20.46 | 21.94 | 21.21 | 20.69 | 20.50 | 19.99 | 19.87 | 19.78 | 19.79 | 19.68 | |
| 19 | 19.77 | 20.08 | 20.22 | 21.26 | 21.09 | 20.51 | 20.39 | 19.97 | 19.88 | 19.79 | 19.77 | 19.67 | |
| 20 | 19.80 | 20.26 | 20.16 | 20.94 | 20.91 | 20.75 | 20.34 | 19.96 | 19.87 | 19.79 | 19.76 | 19.79 | |
| 21 | 19.82 | 20.61 | 20.07 | 20.81 | 20.64 | 20.61 | 20.29 | 20.05 | 19.86 | 19.78 | 19.77 | 19.86 | |
| 22 | 19.78 | 20.50 | 20.18 | 20.77 | 21.52 | 20.83 | 20.24 | 19.98 | 19.85 | 19.78 | 19.78 | 19.78 | |
| 23 | 19.75 | 20.48 | 20.26 | 21.03 | 20.73 | 20.80 | 20.24 | 20.00 | 19.85 | 19.78 | 19.79 | 19.74 | |
| 24 | 19.81 | 20.44 | 20.30 | 20.86 | 21.44 | 20.53 | 20.30 | 19.99 | 19.84 | 19.80 | 19.80 | 19.71 | |
| 25 | 19.81 | 20.32 | 20.23 | 21.72 | 20.97 | 20.49 | 20.26 | 19.98 | 19.83 | 19.79 | 19.81 | 19.76 | |
| 26 | 19.78 | 20.16 | 20.14 | 21.08 | 20.78 | 21.24 | 20.21 | 19.96 | 19.83 | 19.79 | 19.81 | 19.73 | |
| 27 | 19.77 | 20.01 | 20.49 | 20.94 | 20.68 | 22.30 | 20.28 | 19.95 | 19.82 | 19.78 | 19.80 | 19.82 | |
| 28 | 19.77 | 19.95 | 20.49 | 20.81 | 20.89 | 21.30 | 20.20 | 19.94 | 19.81 | 19.78 | 19.79 | 19.79 | |
| 29 | 19.76 | 20.19 | 20.58 | 20.68 | 20.78 | 21.06 | 20.18 | 19.93 | 19.80 | 19.78 | | 19.78 | |
| 30 | 19.76 | 20.04 | 21.49 | 21.45 | 21.15 | 21.65 | 20.15 | 19.92 | 19.75 | 19.79 | | 19.77 | |
| 31 | | 19.97 | | 21.39 | 20.95 | | 20.15 | | 19.72 | 19.78 | | 19.75 | |
| Mean | 19.77 | 20.05 | 20.21 | 21.34 | 21.34 | 20.73 | 20.84 | 20.03 | 19.86 | 19.78 | 19.77 | 19.75 | |
| Max | 19.82 | 20.61 | 21.49 | 23.31 | 24.12 | 22.30 | 23.41 | 20.16 | 19.93 | 19.88 | 19.81 | 19.86 | 24.12 |
| Min | 19.75 | 19.73 | 19.97 | 20.58 | 20.64 | 20.31 | 20.15 | 19.92 | 19.72 | 19.70 | 19.70 | 19.67 | 19.67 |

Annual Max Momentary Gage Height 25.54 m. (MSL.) , at 18.00 Hours, on Aug 15, 2006

Zero Gage at Bottom Elevation 20.13 m. (MSL.) , River Bed 19.04 m. (MSL)

Left Bank Elevation 28.11 m. (MSL.) ,

Right Bank Elevation 27.85 m. (MSL.) , Drainage Are 92 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 1.26 | 19.34 | 97.11 | 18.04 | 25.44 | 3.64 | 0.86 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 1.63 | 22.47 | 31.11 | 16.33 | 37.48 | 3.64 | 0.78 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 1.34 | 92.08 | 25.44 | 37.20 | 79.16 | 3.36 | 0.94 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 4.06 | 36.92 | 48.44 | 12.28 | 40.70 | 3.08 | 0.78 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 1.63 | 2.02 | 97.11 | 39.20 | 10.93 | 34.96 | 2.80 | 0.70 | 0.56 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.21 | 6.86 | 47.16 | 33.56 | 10.03 | 101.80 | 2.67 | 0.63 | 0.35 | 0.00 | 0.00 | | |
| 7 | 0.00 | 3.36 | 4.96 | 25.98 | 25.17 | 9.13 | 41.00 | 2.41 | 0.78 | 0.14 | 0.00 | 0.00 | | |
| 8 | 0.00 | 1.02 | 3.08 | 16.55 | 21.94 | 7.81 | 25.71 | 2.28 | 0.63 | 0.07 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.56 | 2.28 | 12.05 | 17.26 | 8.68 | 25.71 | 2.15 | 0.49 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.86 | 1.76 | 13.18 | 16.55 | 7.62 | 28.41 | 2.67 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 5.34 | 4.96 | 12.73 | 16.10 | 7.24 | 23.01 | 2.41 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 1.42 | 3.36 | 13.85 | 14.08 | 6.29 | 17.26 | 2.28 | 0.49 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 1.76 | 2.15 | 42.80 | 18.04 | 9.13 | 19.08 | 2.15 | 0.49 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 1.42 | 1.63 | 23.28 | 30.57 | 9.35 | 15.20 | 2.02 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.63 | 1.34 | 21.94 | 126.02 | 7.81 | 13.40 | 1.89 | 0.49 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.35 | 1.26 | 74.44 | 130.64 | 7.24 | 11.83 | 1.63 | 0.42 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.28 | 1.42 | 97.89 | 41.00 | 6.48 | 11.15 | 1.50 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.42 | 9.35 | 49.08 | 27.87 | 14.53 | 10.25 | 1.42 | 0.49 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 2.54 | 4.58 | 29.22 | 24.63 | 10.48 | 7.81 | 1.26 | 0.56 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 5.34 | 3.64 | 20.64 | 19.86 | 15.88 | 6.86 | 1.18 | 0.49 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.14 | 12.73 | 2.41 | 17.26 | 13.40 | 12.73 | 5.91 | 2.15 | 0.42 | 0.00 | 0.00 | 0.42 | | |
| 22 | 0.00 | 10.25 | 3.92 | 16.33 | 36.36 | 17.78 | 4.96 | 1.34 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 9.80 | 5.34 | 23.01 | 15.43 | 17.00 | 4.96 | 1.50 | 0.35 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.07 | 8.90 | 6.10 | 18.56 | 34.12 | 10.93 | 6.10 | 1.42 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.07 | 6.48 | 4.77 | 42.20 | 21.42 | 10.03 | 5.34 | 1.34 | 0.21 | 0.00 | 0.07 | 0.00 | | |
| 26 | 0.00 | 3.64 | 3.36 | 24.36 | 16.55 | 28.68 | 4.39 | 1.18 | 0.21 | 0.00 | 0.07 | 0.00 | | |
| 27 | 0.00 | 1.63 | 10.03 | 20.64 | 14.30 | 60.75 | 5.72 | 1.10 | 0.14 | 0.00 | 0.00 | 0.14 | | |
| 28 | 0.00 | 1.10 | 10.03 | 17.26 | 19.34 | 30.30 | 4.20 | 1.02 | 0.07 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 4.06 | 12.05 | 14.30 | 16.55 | 23.82 | 3.92 | 0.94 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 2.02 | 35.52 | 34.40 | 26.25 | 40.10 | 3.50 | 0.86 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 1.26 | | 32.73 | 20.90 | | 3.50 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.28 | 89.01 | 156.47 | 1029.76 | 1039.21 | 484.60 | 628.72 | 59.29 | 13.87 | 1.12 | 0.14 | 0.56 | 3503.03 | CMSDAY |
| Mean | 0.01 | 2.87 | 5.22 | 33.22 | 33.52 | 16.15 | 20.28 | 1.98 | 0.45 | 0.04 | 0.01 | 0.02 | 9.60 | CMS |
| Max | 0.14 | 12.73 | 35.52 | 97.89 | 130.64 | 60.75 | 101.80 | 3.64 | 0.94 | 0.56 | 0.07 | 0.42 | 130.64 | CMS |
| Min | 0.00 | 0.00 | 1.26 | 12.05 | 13.40 | 6.29 | 3.50 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.02 | 7.69 | 13.52 | 88.97 | 89.79 | 41.87 | 54.32 | 5.12 | 1.20 | 0.10 | 0.01 | 0.05 | 302.66 | MCM |

Momentary Peak 194.12 CMS, at 25.54 m. (MSL), at 18.00 Hours, on Aug 15, 2006

Runoff Yield 103.97 Liters/Second/Square KM. Momentary Peak Yield 2012.91 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Chanthi at Ban Khlong Khwang , Trat (Z.47)

Lat 12 - 20 - 00 N Long 102 - 38 - 37 E

**Location : on left bank at Ban Khlong Khwang, Tambon Tha Kum.**

| | |
|---|---|
| | **Ban** Khlong Khwang **Amphoe** Mueang **Changwat** Trat |
| **Drainge Area** | 27 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +7.846 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 20 meters from the top staff gage. **Elevation** +12.782 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +12.770 m.(MSL.) and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 21 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

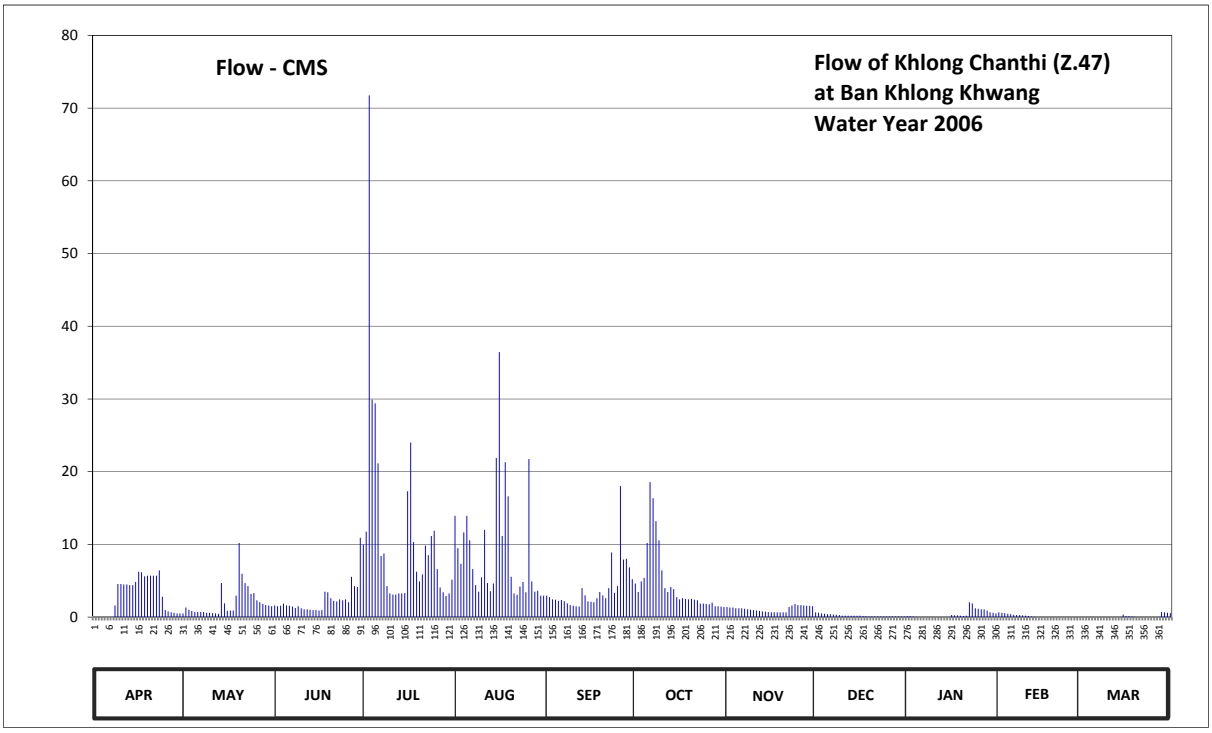
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.49 | 8.72 | 8.92 | 9.98 | 10.31 | 9.19 | 9.46 | 8.88 | 8.75 | 8.63 | 8.75 | 8.54 | |
| 2 | 8.49 | 8.87 | 8.90 | 10.13 | 9.94 | 9.15 | 9.29 | 8.87 | 8.74 | 8.63 | 8.74 | 8.53 | |
| 3 | 8.48 | 8.82 | 8.91 | 13.44 | 9.76 | 9.09 | 9.50 | 8.87 | 8.72 | 8.62 | 8.73 | 8.52 | |
| 4 | 8.47 | 8.79 | 8.97 | 11.40 | 10.12 | 9.08 | 9.56 | 8.85 | 8.71 | 8.61 | 8.71 | 8.51 | |
| 5 | 8.46 | 8.76 | 8.92 | 11.37 | 10.31 | 9.05 | 10.00 | 8.85 | 8.70 | 8.60 | 8.70 | 8.50 | |
| 6 | 8.46 | 8.76 | 8.91 | 10.85 | 10.03 | 9.07 | 10.67 | 8.85 | 8.70 | 8.59 | 8.68 | 8.49 | |
| 7 | 8.45 | 8.76 | 8.89 | 9.85 | 9.70 | 9.04 | 10.51 | 8.84 | 8.69 | 8.58 | 8.67 | 8.48 | |
| 8 | 8.92 | 8.76 | 8.86 | 9.88 | 9.43 | 8.98 | 10.25 | 8.83 | 8.68 | 8.57 | 8.67 | 8.47 | |
| 9 | 9.45 | 8.74 | 8.90 | 9.41 | 9.30 | 8.93 | 10.03 | 8.82 | 8.67 | 8.56 | 8.66 | 8.46 | |
| 10 | 9.45 | 8.74 | 8.85 | 9.25 | 9.57 | 8.91 | 9.68 | 8.81 | 8.65 | 8.55 | 8.65 | 8.40 | |
| 11 | 9.44 | 8.73 | 8.83 | 9.22 | 10.15 | 8.90 | 9.37 | 8.80 | 8.65 | 8.53 | 8.64 | 8.40 | |
| 12 | 9.44 | 8.72 | 8.83 | 9.22 | 9.47 | 8.89 | 9.29 | 8.79 | 8.65 | 8.53 | 8.62 | 8.40 | |
| 13 | 9.43 | 8.71 | 8.82 | 9.25 | 9.31 | 9.37 | 9.39 | 8.78 | 8.65 | 8.48 | 8.61 | 8.40 | |
| 14 | 9.43 | 9.47 | 8.81 | 9.25 | 9.46 | 9.20 | 9.35 | 8.77 | 8.65 | 8.47 | 8.59 | 8.57 | |
| 15 | 9.49 | 8.98 | 8.81 | 9.26 | 10.90 | 9.03 | 9.15 | 8.76 | 8.65 | 8.46 | 8.57 | 8.69 | |
| 16 | 9.66 | 8.79 | 8.80 | 10.58 | 11.77 | 9.02 | 9.09 | 8.75 | 8.65 | 8.67 | 8.56 | 8.63 | |
| 17 | 9.65 | 8.80 | 8.81 | 11.04 | 10.08 | 9.01 | 9.12 | 8.75 | 8.64 | 8.66 | 8.55 | 8.63 | |
| 18 | 9.59 | 8.80 | 9.30 | 10.01 | 10.86 | 9.12 | 9.10 | 8.75 | 8.63 | 8.66 | 8.54 | 8.62 | |
| 19 | 9.60 | 9.19 | 9.28 | 9.66 | 10.53 | 9.29 | 9.09 | 8.75 | 8.62 | 8.65 | 8.53 | 8.61 | |
| 20 | 9.60 | 10.00 | 9.12 | 9.50 | 9.58 | 9.20 | 9.10 | 8.75 | 8.62 | 8.64 | 8.52 | 8.60 | |
| 21 | 9.60 | 9.63 | 9.05 | 9.62 | 9.25 | 9.12 | 9.08 | 8.75 | 8.62 | 8.65 | 8.51 | 8.59 | |
| 22 | 9.60 | 9.47 | 9.03 | 9.97 | 9.21 | 9.37 | 9.06 | 8.88 | 8.62 | 9.01 | 8.50 | 8.58 | |
| 23 | 9.68 | 9.41 | 9.09 | 9.86 | 9.40 | 9.89 | 8.97 | 8.92 | 8.62 | 8.98 | 8.49 | 8.57 | |
| 24 | 9.16 | 9.24 | 9.06 | 10.08 | 9.49 | 9.27 | 8.97 | 8.96 | 8.62 | 8.85 | 8.48 | 8.55 | |
| 25 | 8.81 | 9.26 | 9.09 | 10.14 | 9.28 | 9.41 | 8.96 | 8.93 | 8.62 | 8.84 | 8.47 | 8.53 | |
| 26 | 8.78 | 9.06 | 9.01 | 9.70 | 10.89 | 10.63 | 8.95 | 8.93 | 8.62 | 8.83 | 8.51 | 8.50 | |
| 27 | 8.75 | 9.01 | 9.58 | 9.38 | 9.50 | 9.81 | 9.00 | 8.92 | 8.62 | 8.83 | 8.54 | 8.50 | |
| 28 | 8.74 | 8.96 | 9.41 | 9.28 | 9.30 | 9.82 | 8.90 | 8.91 | 8.62 | 8.80 | 8.54 | 8.76 | |
| 29 | 8.72 | 8.93 | 9.39 | 9.18 | 9.32 | 9.72 | 8.90 | 8.91 | 8.62 | 8.75 | | 8.75 | |
| 30 | 8.72 | 8.92 | 10.06 | 9.25 | 9.19 | 9.54 | 8.89 | 8.90 | 8.62 | 8.74 | | 8.74 | |
| 31 | | 8.90 | | 9.53 | 9.19 | | 8.88 | | 8.62 | 8.72 | | 8.73 | |
| Mean | 9.10 | 8.99 | 9.04 | 9.95 | 9.83 | 9.27 | 9.34 | 8.84 | 8.65 | 8.67 | 8.60 | 8.56 | |
| Max | 9.68 | 10.00 | 10.06 | 13.44 | 11.77 | 10.63 | 10.67 | 8.96 | 8.75 | 9.01 | 8.75 | 8.76 | 13.44 |
| Min | 8.45 | 8.71 | 8.80 | 9.18 | 9.19 | 8.89 | 8.88 | 8.75 | 8.62 | 8.46 | 8.47 | 8.40 | 8.40 |

Annual Max Momentary Gage Height 13.85 m. (MSL.) , at 06.00 Hours, on Jul 3, 2006

Zero Gage at Bottom Elevation 7.85 m. (MSL.) , River Bed 8.30 m. (MSL.)

Left Bank Elevation 12.79 m. (MSL.) ,

Right Bank Elevation 12.76 m. (MSL.) , Drainage Are 27 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.50 | 1.60 | 9.96 | 13.92 | 2.95 | 4.62 | 1.38 | 0.65 | 0.12 | 0.65 | 0.00 | | |
| 2 | 0.00 | 1.32 | 1.50 | 11.76 | 9.48 | 2.75 | 3.45 | 1.32 | 0.60 | 0.12 | 0.60 | 0.00 | | |
| 3 | 0.00 | 1.02 | 1.55 | 71.76 | 7.32 | 2.45 | 4.90 | 1.32 | 0.50 | 0.08 | 0.55 | 0.00 | | |
| 4 | 0.00 | 0.85 | 1.85 | 29.90 | 11.64 | 2.40 | 5.38 | 1.20 | 0.45 | 0.04 | 0.45 | 0.00 | | |
| 5 | 0.00 | 0.70 | 1.60 | 29.39 | 13.92 | 2.25 | 10.20 | 1.20 | 0.40 | 0.00 | 0.40 | 0.00 | | |
| 6 | 0.00 | 0.70 | 1.55 | 21.15 | 10.56 | 2.35 | 18.58 | 1.20 | 0.40 | 0.00 | 0.32 | 0.00 | | |
| 7 | 0.00 | 0.70 | 1.44 | 8.40 | 6.60 | 2.20 | 16.34 | 1.14 | 0.36 | 0.00 | 0.28 | 0.00 | | |
| 8 | 1.60 | 0.70 | 1.26 | 8.76 | 4.41 | 1.90 | 13.20 | 1.08 | 0.32 | 0.00 | 0.28 | 0.00 | | |
| 9 | 4.55 | 0.60 | 1.50 | 4.27 | 3.50 | 1.65 | 10.56 | 1.02 | 0.28 | 0.00 | 0.24 | 0.00 | | |
| 10 | 4.55 | 0.60 | 1.20 | 3.25 | 5.46 | 1.55 | 6.42 | 0.96 | 0.20 | 0.00 | 0.20 | 0.00 | | |
| 11 | 4.48 | 0.55 | 1.08 | 3.10 | 12.00 | 1.50 | 3.99 | 0.90 | 0.20 | 0.00 | 0.16 | 0.00 | | |
| 12 | 4.48 | 0.50 | 1.08 | 3.10 | 4.69 | 1.44 | 3.45 | 0.85 | 0.20 | 0.00 | 0.08 | 0.00 | | |
| 13 | 4.41 | 0.45 | 1.02 | 3.25 | 3.57 | 3.99 | 4.13 | 0.80 | 0.20 | 0.00 | 0.04 | 0.00 | | |
| 14 | 4.41 | 4.69 | 0.96 | 3.25 | 4.62 | 3.00 | 3.85 | 0.75 | 0.20 | 0.00 | 0.00 | 0.00 | | |
| 15 | 4.83 | 1.90 | 0.96 | 3.30 | 21.90 | 2.15 | 2.75 | 0.70 | 0.20 | 0.00 | 0.00 | 0.36 | | |
| 16 | 6.24 | 0.85 | 0.90 | 17.32 | 36.43 | 2.10 | 2.45 | 0.65 | 0.20 | 0.28 | 0.00 | 0.12 | | |
| 17 | 6.15 | 0.90 | 0.96 | 24.00 | 11.16 | 2.05 | 2.60 | 0.65 | 0.16 | 0.24 | 0.00 | 0.12 | | |
| 18 | 5.62 | 0.90 | 3.50 | 10.32 | 21.30 | 2.60 | 2.50 | 0.65 | 0.12 | 0.24 | 0.00 | 0.08 | | |
| 19 | 5.70 | 2.95 | 3.40 | 6.24 | 16.62 | 3.45 | 2.45 | 0.65 | 0.08 | 0.20 | 0.00 | 0.04 | | |
| 20 | 5.70 | 10.20 | 2.60 | 4.90 | 5.54 | 3.00 | 2.50 | 0.65 | 0.08 | 0.16 | 0.00 | 0.00 | | |
| 21 | 5.70 | 5.97 | 2.25 | 5.88 | 3.25 | 2.60 | 2.40 | 0.65 | 0.08 | 0.20 | 0.00 | 0.00 | | |
| 22 | 5.70 | 4.69 | 2.15 | 9.84 | 3.05 | 3.99 | 2.30 | 1.38 | 0.08 | 2.05 | 0.00 | 0.00 | | |
| 23 | 6.42 | 4.27 | 2.45 | 8.52 | 4.20 | 8.88 | 1.85 | 1.60 | 0.08 | 1.90 | 0.00 | 0.00 | | |
| 24 | 2.80 | 3.20 | 2.30 | 11.16 | 4.83 | 3.35 | 1.85 | 1.80 | 0.08 | 1.20 | 0.00 | 0.00 | | |
| 25 | 0.96 | 3.30 | 2.45 | 11.88 | 3.40 | 4.27 | 1.80 | 1.65 | 0.08 | 1.14 | 0.00 | 0.00 | | |
| 26 | 0.80 | 2.30 | 2.05 | 6.60 | 21.75 | 18.02 | 1.75 | 1.65 | 0.08 | 1.08 | 0.00 | 0.00 | | |
| 27 | 0.65 | 2.05 | 5.54 | 4.06 | 4.90 | 7.92 | 2.00 | 1.60 | 0.08 | 1.08 | 0.00 | 0.00 | | |
| 28 | 0.60 | 1.80 | 4.27 | 3.40 | 3.50 | 8.04 | 1.50 | 1.55 | 0.08 | 0.90 | 0.00 | 0.70 | | |
| 29 | 0.50 | 1.65 | 4.13 | 2.90 | 3.64 | 6.84 | 1.50 | 1.55 | 0.08 | 0.65 | | 0.65 | | |
| 30 | 0.50 | 1.60 | 10.92 | 3.25 | 2.95 | 5.22 | 1.44 | 1.50 | 0.08 | 0.60 | | 0.60 | | |
| 31 | | 1.50 | | 5.14 | 2.95 | | 1.38 | | 0.08 | 0.50 | | 0.55 | | |
| Total | 87.35 | 63.91 | 70.02 | 350.01 | 283.06 | 116.86 | 144.09 | 34.00 | 6.68 | 12.78 | 4.25 | 3.22 | 1176.23 | CMSDAY |
| Mean | 2.91 | 2.06 | 2.33 | 11.29 | 9.13 | 3.90 | 4.65 | 1.13 | 0.22 | 0.41 | 0.15 | 0.10 | 3.22 | CMS |
| Max | 6.42 | 10.20 | 10.92 | 71.76 | 36.43 | 18.02 | 18.58 | 1.80 | 0.65 | 2.05 | 0.65 | 0.70 | 71.76 | CMS |
| Min | 0.00 | 0.45 | 0.90 | 2.90 | 2.95 | 1.44 | 1.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 7.55 | 5.52 | 6.05 | 30.24 | 24.46 | 10.10 | 12.45 | 2.94 | 0.58 | 1.10 | 0.37 | 0.28 | 101.63 | MCM |

Momentary Peak 81.60 CMS, at 13.85 m. (MSL.), at 06.00 Hours, on Jul 3, 2006

Runoff Yield 119.35 Liters/Second/Square KM. Momentary Peak Yield 3022.22 Liters/Second/Square KM.

## WATER YEAR : 2006

## EAST COAST - GULF BASIN

### Khlong Pran Bun at Ban Khlong Yai Tai , Chanthaburi (Z.52)

Lat 13 - 05 - 10 N Long 101 - 56 - 25 E

**Location : on left bank at Ban Khlong Yai Tai.**

**Ban** Khlong Yai Tai **Amphoe** Kaeng Hang Maeo **Changwat** Chanthaburi

| | |
|---|---|
| **Drainge Area** | 60 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +37.740 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +42.415 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2001 to date |
| **Rating Operation** | |
| **Period of Rating** | 2001 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2001 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 15 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

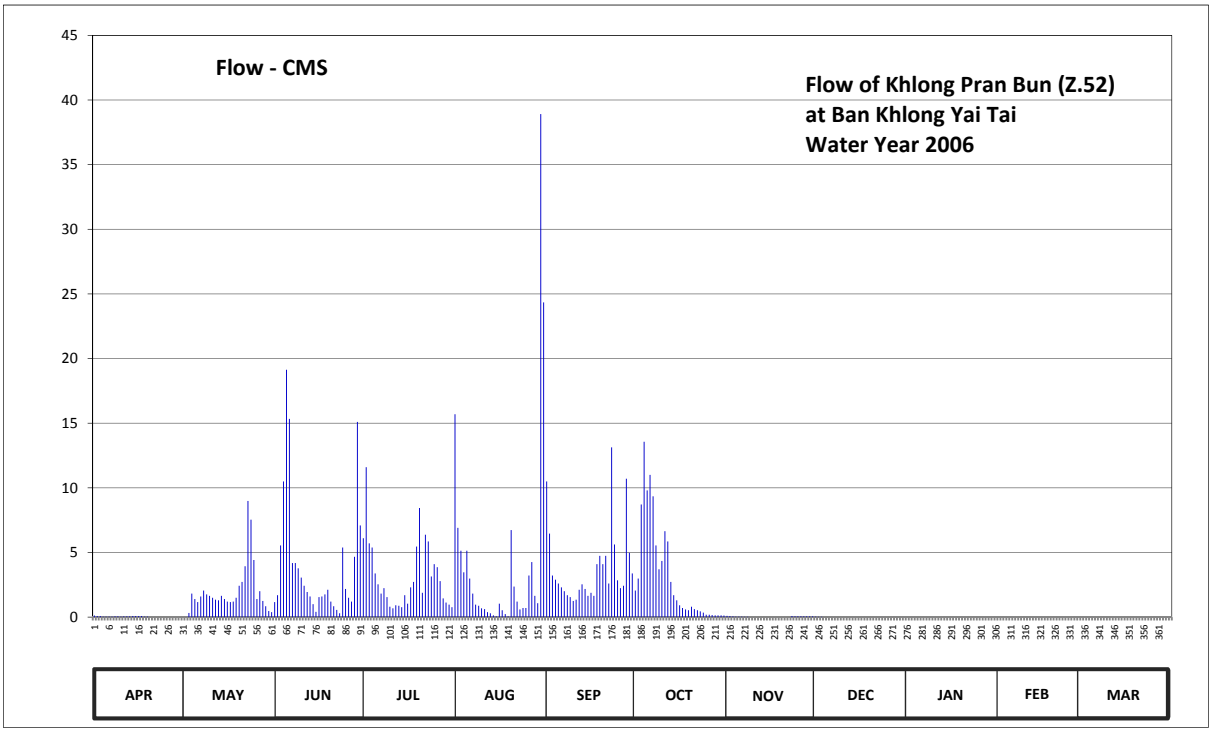
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38.56 | 38.46 | 38.89 | 39.60 | 40.55 | 40.08 | 39.06 | 38.55 | 38.52 | 38.36 | 38.14 | 38.51 | |
| 2 | 38.54 | 38.46 | 39.00 | 40.19 | 39.69 | 39.64 | 39.21 | 38.54 | 38.51 | 38.35 | 38.12 | 38.50 | |
| 3 | 38.54 | 38.64 | 39.53 | 39.55 | 39.48 | 39.24 | 39.89 | 38.53 | 38.51 | 38.34 | 38.11 | 38.49 | |
| 4 | 38.52 | 39.02 | 40.08 | 39.51 | 39.27 | 39.20 | 40.37 | 38.52 | 38.50 | 38.34 | 38.10 | 38.49 | |
| 5 | 38.52 | 38.94 | 40.81 | 39.26 | 39.48 | 39.15 | 40.01 | 38.52 | 38.49 | 38.33 | 38.09 | 38.49 | |
| 6 | 38.52 | 38.89 | 40.52 | 39.14 | 39.21 | 39.10 | 40.13 | 38.52 | 38.48 | 38.33 | 38.09 | 38.49 | |
| 7 | 38.52 | 38.98 | 39.36 | 39.02 | 39.02 | 39.05 | 39.96 | 38.51 | 38.48 | 38.32 | 38.08 | 38.48 | |
| 8 | 38.53 | 39.06 | 39.36 | 39.09 | 38.84 | 39.00 | 39.53 | 38.51 | 38.47 | 38.31 | 38.08 | 38.48 | |
| 9 | 38.53 | 39.01 | 39.31 | 38.97 | 38.82 | 38.97 | 39.30 | 38.50 | 38.46 | 38.30 | 38.08 | 38.48 | |
| 10 | 38.52 | 38.99 | 39.22 | 38.80 | 38.76 | 38.91 | 39.38 | 38.50 | 38.46 | 38.30 | 38.08 | 38.48 | |
| 11 | 38.53 | 38.96 | 39.12 | 38.76 | 38.74 | 38.93 | 39.66 | 38.50 | 38.46 | 38.28 | 38.08 | 38.48 | |
| 12 | 38.53 | 38.93 | 39.04 | 38.83 | 38.66 | 39.07 | 39.57 | 38.49 | 38.46 | 38.28 | 38.08 | 38.48 | |
| 13 | 38.53 | 38.92 | 38.98 | 38.82 | 38.63 | 39.14 | 39.17 | 38.49 | 38.44 | 38.27 | 38.08 | 38.48 | |
| 14 | 38.54 | 38.99 | 38.85 | 38.79 | 38.57 | 39.08 | 39.00 | 38.49 | 38.44 | 38.27 | 38.08 | 38.48 | |
| 15 | 38.54 | 38.94 | 38.67 | 39.00 | 38.53 | 38.99 | 38.92 | 38.49 | 38.44 | 38.26 | 38.08 | 38.48 | |
| 16 | 38.54 | 38.90 | 38.97 | 38.86 | 38.86 | 39.03 | 38.83 | 38.49 | 38.44 | 38.25 | 38.07 | 38.48 | |
| 17 | 38.54 | 38.89 | 38.98 | 39.10 | 38.71 | 38.99 | 38.77 | 38.49 | 38.44 | 38.25 | 38.05 | 38.48 | |
| 18 | 38.52 | 38.90 | 39.01 | 39.17 | 38.61 | 39.35 | 38.73 | 38.49 | 38.44 | 38.24 | 38.02 | 38.48 | |
| 19 | 38.52 | 38.96 | 39.07 | 39.52 | 38.53 | 39.43 | 38.71 | 38.49 | 38.44 | 38.24 | 38.00 | 38.48 | |
| 20 | 38.49 | 39.12 | 38.90 | 39.86 | 39.67 | 39.35 | 38.80 | 38.49 | 38.43 | 38.23 | 37.98 | 38.48 | |
| 21 | 38.49 | 39.17 | 38.81 | 39.03 | 39.11 | 39.43 | 38.74 | 38.46 | 38.43 | 38.22 | 37.96 | 38.48 | |
| 22 | 38.48 | 39.33 | 38.72 | 39.63 | 38.90 | 39.15 | 38.71 | 38.46 | 38.43 | 38.22 | 37.94 | 38.48 | |
| 23 | 38.48 | 39.92 | 38.63 | 39.57 | 38.73 | 40.33 | 38.68 | 38.54 | 38.43 | 38.21 | 37.94 | 38.48 | |
| 24 | 38.48 | 39.76 | 39.51 | 39.23 | 38.77 | 39.54 | 38.65 | 38.53 | 38.42 | 38.20 | 37.93 | 38.48 | |
| 25 | 38.48 | 39.39 | 39.08 | 39.35 | 38.77 | 39.19 | 38.59 | 38.53 | 38.41 | 38.20 | 37.93 | 38.48 | |
| 26 | 38.47 | 38.94 | 38.96 | 39.32 | 39.24 | 39.09 | 38.59 | 38.53 | 38.40 | 38.19 | 37.98 | 38.48 | |
| 27 | 38.47 | 39.05 | 38.90 | 39.18 | 39.37 | 39.12 | 38.58 | 38.53 | 38.40 | 38.18 | 38.54 | 38.47 | |
| 28 | 38.46 | 38.91 | 39.42 | 38.95 | 38.99 | 40.10 | 38.57 | 38.53 | 38.39 | 38.18 | 38.49 | 38.47 | |
| 29 | 38.46 | 38.81 | 40.50 | 38.88 | 38.87 | 39.46 | 38.57 | 38.53 | 38.38 | 38.18 | | 38.47 | |
| 30 | 38.46 | 38.69 | 39.71 | 38.84 | 42.09 | 39.26 | 38.57 | 38.53 | 38.37 | 38.17 | | 38.47 | |
| 31 | | 38.66 | | 38.79 | 41.17 | | 38.56 | | 38.37 | 38.17 | | 38.47 | |
| Mean | 38.51 | 38.99 | 39.26 | 39.18 | 39.18 | 39.28 | 39.09 | 38.51 | 38.44 | 38.26 | 38.08 | 38.48 | |
| Max | 38.56 | 39.92 | 40.81 | 40.19 | 42.09 | 40.33 | 40.37 | 38.55 | 38.52 | 38.36 | 38.54 | 38.51 | 42.09 |
| Min | 38.46 | 38.46 | 38.63 | 38.76 | 38.53 | 38.91 | 38.56 | 38.46 | 38.37 | 38.17 | 37.93 | 38.47 | 37.93 |

Annual Max Momentary Gage Height 42.24 m. (MSL.) , at 09.00 Hours, on Aug 30, 2006

Zero Gage at Bottom Elevation 37.74 m. (MSL.) , River Bed 38.41 m. (MSL.)

Left Bank Elevation 43.13 m. (MSL.) ,

Right Bank Elevation 43.17 m. (MSL.) , Drainage Are 60 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.12 | 0.00 | 1.16 | 6.10 | 15.70 | 10.50 | 2.06 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.08 | 0.00 | 1.70 | 11.60 | 6.91 | 6.46 | 2.98 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.08 | 0.32 | 5.54 | 5.70 | 5.14 | 3.22 | 8.71 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.04 | 1.82 | 10.50 | 5.38 | 3.46 | 2.90 | 13.57 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.04 | 1.40 | 19.14 | 3.38 | 5.14 | 2.60 | 9.80 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.04 | 1.16 | 15.34 | 2.54 | 2.98 | 2.30 | 11.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.04 | 1.60 | 4.18 | 1.82 | 1.82 | 2.00 | 9.34 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.06 | 2.06 | 4.18 | 2.24 | 0.96 | 1.70 | 5.54 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.06 | 1.76 | 3.78 | 1.55 | 0.88 | 1.55 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.04 | 1.65 | 3.06 | 0.80 | 0.68 | 1.25 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.06 | 1.50 | 2.42 | 0.68 | 0.62 | 1.35 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.06 | 1.35 | 1.94 | 0.92 | 0.38 | 2.12 | 5.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.06 | 1.30 | 1.60 | 0.88 | 0.29 | 2.54 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.08 | 1.65 | 1.00 | 0.77 | 0.14 | 2.18 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.08 | 1.40 | 0.41 | 1.70 | 0.06 | 1.65 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.08 | 1.20 | 1.55 | 1.04 | 1.04 | 1.88 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.08 | 1.16 | 1.60 | 2.30 | 0.53 | 1.65 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.04 | 1.20 | 1.76 | 2.72 | 0.23 | 4.10 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.04 | 1.50 | 2.12 | 5.46 | 0.06 | 4.74 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 2.42 | 1.20 | 8.44 | 6.73 | 4.10 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 2.72 | 0.84 | 1.88 | 2.36 | 4.74 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 3.94 | 0.56 | 6.37 | 1.20 | 2.60 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 8.98 | 0.29 | 5.86 | 0.59 | 13.13 | 0.44 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 7.54 | 5.38 | 3.14 | 0.71 | 5.62 | 0.35 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 4.42 | 2.18 | 4.10 | 0.71 | 2.84 | 0.18 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 1.40 | 1.50 | 3.86 | 3.22 | 2.24 | 0.18 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 2.00 | 1.20 | 2.78 | 4.26 | 2.42 | 0.16 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 1.25 | 4.66 | 1.45 | 1.65 | 10.70 | 0.14 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.84 | 15.10 | 1.12 | 1.08 | 4.98 | 0.14 | 0.06 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.47 | 7.09 | 0.96 | 38.92 | 3.38 | 0.14 | 0.06 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.38 | | 0.77 | 24.35 | | 0.12 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 1.18 | 60.39 | 122.98 | 98.31 | 132.80 | 113.44 | 95.81 | 0.90 | 0.08 | 0.00 | 0.00 | 0.00 | 625.89 | CMSDAY |
| Mean | 0.04 | 1.95 | 4.10 | 3.17 | 4.28 | 3.78 | 3.09 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | CMS |
| Max | 0.12 | 8.98 | 19.14 | 11.60 | 38.92 | 13.13 | 13.57 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | 38.92 | CMS |
| Min | 0.00 | 0.00 | 0.29 | 0.68 | 0.06 | 1.25 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.10 | 5.22 | 10.63 | 8.49 | 11.47 | 9.80 | 8.28 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 54.08 | MCM |

Momentary Peak 41.62 CMS, at 42.24 m. (MSL.), at 09.00 Hours, on Aug 30, 2006

Runoff Yield 28.58 Liters/Second/Square KM. Momentary Peak Yield 693.67 Liters/Second/Square KM.

## WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Phetchaburi River at Ban Song Phi Nong , Phetchaburi (B.3A)

Lat 12 - 51 - 47 N Long 99 - 40 - 42 E

**Location : on left bank at Ban Song Phi Nong.**

**Ban** Song Phi Nong **Amphoe** Kaeng Krachan **Changwat** Phetchaburi

| | |
|---|---|
| **Drainge Area** | 2,220 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +41.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 24 meters from the top staff gage. **Elevation** +50.534 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1930 - 1942 , 1954 to date |
| **Rating Operation** | |
| **Period of Rating** | 1954 - 1959 , 1968 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1954 - 1959 , 1968 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow regulated by Kaeng Krachan Reservoir. Stage-discharge relation defined by 64 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

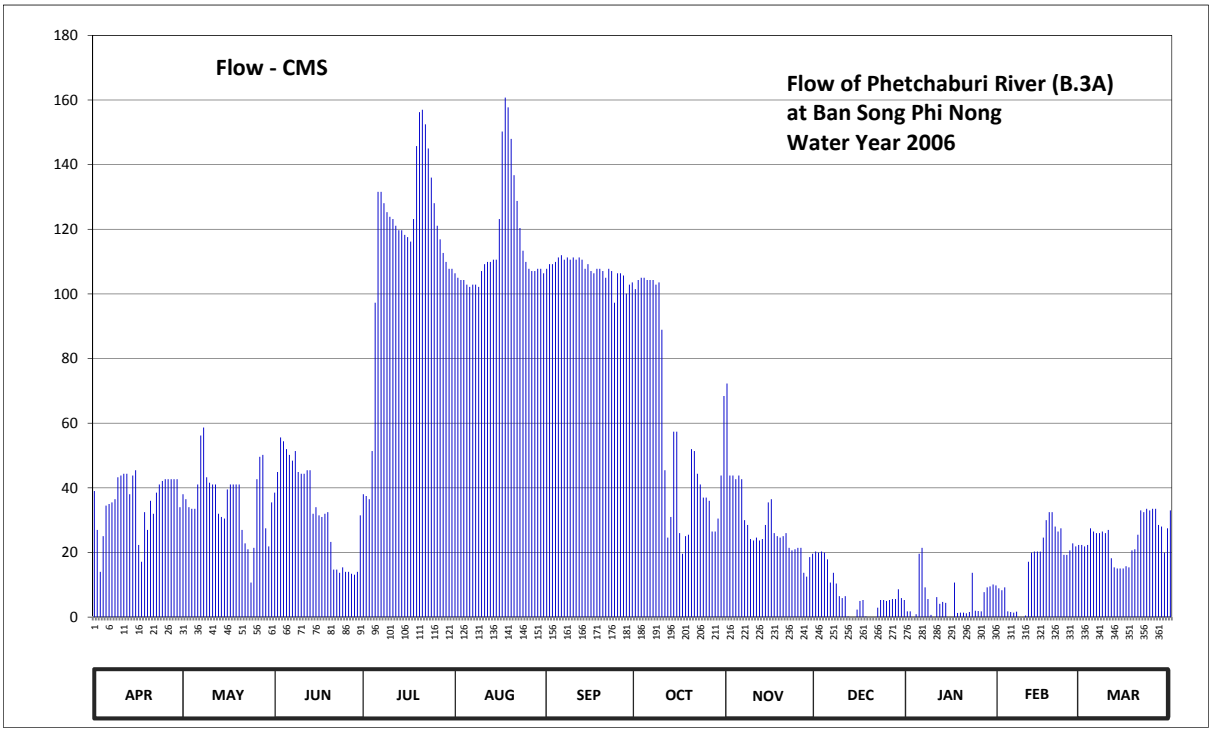
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42.57 | 42.55 | 42.56 | 42.55 | 43.62 | 43.64 | 43.55 | 43.12 | 42.18 | 41.58 | 41.83 | 42.23 | |
| 2 | 42.33 | 42.52 | 42.68 | 42.54 | 43.60 | 43.66 | 43.59 | 42.66 | 42.17 | 41.58 | 41.81 | 42.22 | |
| 3 | 42.00 | 42.47 | 42.86 | 42.52 | 43.59 | 43.66 | 43.60 | 42.66 | 42.18 | 41.40 | 41.84 | 42.23 | |
| 4 | 42.29 | 42.46 | 42.84 | 42.79 | 43.59 | 43.67 | 43.60 | 42.64 | 42.17 | 41.49 | 41.58 | 42.34 | |
| 5 | 42.48 | 42.46 | 42.80 | 43.49 | 43.57 | 43.69 | 43.59 | 42.66 | 42.11 | 42.16 | 41.56 | 42.32 | |
| 6 | 42.49 | 42.61 | 42.77 | 43.98 | 43.56 | 43.70 | 43.59 | 42.64 | 41.89 | 42.21 | 41.54 | 42.31 | |
| 7 | 42.50 | 42.87 | 42.74 | 43.98 | 43.57 | 43.68 | 43.59 | 42.39 | 41.99 | 41.84 | 41.57 | 42.31 | |
| 8 | 42.52 | 42.91 | 42.79 | 43.93 | 43.57 | 43.69 | 43.57 | 42.36 | 41.88 | 41.72 | 41.34 | 42.32 | |
| 9 | 42.65 | 42.65 | 42.68 | 43.89 | 43.56 | 43.68 | 43.58 | 42.27 | 41.75 | 41.47 | 41.31 | 42.31 | |
| 10 | 42.66 | 42.62 | 42.67 | 43.87 | 43.63 | 43.69 | 43.37 | 42.26 | 41.73 | 41.37 | 41.45 | 42.33 | |
| 11 | 42.67 | 42.61 | 42.67 | 43.86 | 43.66 | 43.68 | 42.69 | 42.28 | 41.75 | 41.74 | 42.09 | 42.12 | |
| 12 | 42.67 | 42.61 | 42.69 | 43.83 | 43.67 | 43.69 | 42.28 | 42.26 | 41.42 | 41.67 | 42.17 | 42.04 | |
| 13 | 42.55 | 42.43 | 42.69 | 43.81 | 43.67 | 43.68 | 42.41 | 42.27 | 41.35 | 41.69 | 42.18 | 42.03 | |
| 14 | 42.66 | 42.41 | 42.43 | 43.81 | 43.68 | 43.64 | 42.89 | 42.36 | 41.32 | 41.68 | 42.18 | 42.03 | |
| 15 | 42.69 | 42.40 | 42.47 | 43.79 | 43.68 | 43.66 | 42.89 | 42.50 | 41.61 | 41.38 | 42.18 | 42.03 | |
| 16 | 42.23 | 42.58 | 42.42 | 43.78 | 43.86 | 43.63 | 42.31 | 42.52 | 41.70 | 41.38 | 42.28 | 42.05 | |
| 17 | 42.09 | 42.61 | 42.41 | 43.76 | 44.23 | 43.62 | 42.16 | 42.31 | 41.71 | 41.89 | 42.39 | 42.04 | |
| 18 | 42.44 | 42.61 | 42.43 | 43.86 | 44.37 | 43.64 | 42.29 | 42.29 | 41.42 | 41.53 | 42.44 | 42.19 | |
| 19 | 42.33 | 42.61 | 42.44 | 44.17 | 44.33 | 43.64 | 42.30 | 42.28 | 41.32 | 41.54 | 42.44 | 42.20 | |
| 20 | 42.51 | 42.61 | 42.25 | 44.31 | 44.20 | 43.63 | 42.80 | 42.29 | 41.29 | 41.54 | 42.35 | 42.30 | |
| 21 | 42.43 | 42.33 | 42.02 | 44.32 | 44.05 | 43.60 | 42.79 | 42.31 | 41.28 | 41.52 | 42.32 | 42.45 | |
| 22 | 42.56 | 42.24 | 42.02 | 44.26 | 43.94 | 43.64 | 42.67 | 42.21 | 41.63 | 41.56 | 42.34 | 42.44 | |
| 23 | 42.61 | 42.20 | 41.99 | 44.16 | 43.82 | 43.63 | 42.61 | 42.19 | 41.71 | 41.99 | 42.15 | 42.46 | |
| 24 | 42.63 | 41.89 | 42.04 | 44.04 | 43.72 | 43.49 | 42.53 | 42.20 | 41.71 | 41.60 | 42.15 | 42.45 | |
| 25 | 42.64 | 42.21 | 42.00 | 43.93 | 43.67 | 43.62 | 42.53 | 42.21 | 41.70 | 41.59 | 42.19 | 42.46 | |
| 26 | 42.64 | 42.64 | 42.00 | 43.83 | 43.64 | 43.62 | 42.51 | 42.21 | 41.71 | 41.58 | 42.24 | 42.46 | |
| 27 | 42.64 | 42.76 | 41.98 | 43.77 | 43.63 | 43.61 | 42.32 | 41.99 | 41.72 | 41.79 | 42.22 | 42.36 | |
| 28 | 42.64 | 42.77 | 41.97 | 43.71 | 43.63 | 43.53 | 42.32 | 41.95 | 41.72 | 41.84 | 42.23 | 42.35 | |
| 29 | 42.64 | 42.34 | 42.00 | 43.67 | 43.64 | 43.57 | 42.40 | 42.13 | 41.82 | 41.85 | | 42.17 | |
| 30 | 42.47 | 42.22 | 42.42 | 43.64 | 43.64 | 43.58 | 42.66 | 42.16 | 41.73 | 41.87 | | 42.34 | |
| 31 | | 42.50 | | 43.64 | 43.62 | | 43.06 | | 41.71 | 41.86 | | 42.45 | |
| Mean | 42.51 | 42.51 | 42.42 | 43.73 | 43.75 | 43.64 | 42.87 | 42.35 | 41.72 | 41.67 | 42.01 | 42.27 | |
| Max | 42.69 | 42.91 | 42.86 | 44.32 | 44.37 | 43.70 | 43.60 | 43.12 | 42.18 | 42.21 | 42.44 | 42.46 | 44.37 |
| Min | 42.00 | 41.89 | 41.97 | 42.52 | 43.56 | 43.49 | 42.16 | 41.95 | 41.28 | 41.37 | 41.31 | 42.03 | 41.28 |

Annual Max Momentary Gage Height 44.39 m. (MSL.) , at 14.00 Hours , on Aug 18 , 2006

Zero Gage at Bottom Elevation 41.00 m. (MSL.) , River Bed 40.50 m. (MSL.)

Left Bank Elevation 48.36 m. (MSL.) ,

Right Bank Elevation 48.82 m. (MSL.) , Drainage Are 2,220 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39.00 | 38.00 | 38.50 | 38.00 | 106.40 | 107.80 | 101.50 | 72.30 | 20.30 | 1.80 | 8.90 | 22.35 | | |
| 2 | 27.00 | 36.50 | 44.90 | 37.50 | 105.00 | 109.20 | 104.30 | 43.80 | 19.95 | 1.80 | 8.30 | 21.90 | | |
| 3 | 14.00 | 34.00 | 55.60 | 36.50 | 104.30 | 109.20 | 105.00 | 43.80 | 20.30 | 0.00 | 9.20 | 22.35 | | |
| 4 | 25.05 | 33.50 | 54.40 | 51.40 | 104.30 | 109.90 | 105.00 | 42.70 | 19.95 | 0.90 | 1.80 | 27.50 | | |
| 5 | 34.50 | 33.50 | 52.00 | 97.30 | 102.90 | 111.30 | 104.30 | 43.80 | 17.85 | 19.60 | 1.60 | 26.50 | | |
| 6 | 35.00 | 41.05 | 50.20 | 131.60 | 102.20 | 112.00 | 104.30 | 42.70 | 10.70 | 21.45 | 1.40 | 26.00 | | |
| 7 | 35.50 | 56.20 | 48.40 | 131.60 | 102.90 | 110.60 | 104.30 | 30.00 | 13.70 | 9.20 | 1.70 | 26.00 | | |
| 8 | 36.50 | 58.65 | 51.40 | 128.10 | 102.90 | 111.30 | 102.90 | 28.50 | 10.40 | 5.60 | 0.00 | 26.50 | | |
| 9 | 43.25 | 43.25 | 44.90 | 125.30 | 102.20 | 110.60 | 103.60 | 24.15 | 6.50 | 0.70 | 0.00 | 26.00 | | |
| 10 | 43.80 | 41.60 | 44.35 | 123.90 | 107.10 | 111.30 | 88.90 | 23.70 | 5.90 | 0.00 | 0.50 | 27.00 | | |
| 11 | 44.35 | 41.05 | 44.35 | 123.20 | 109.20 | 110.60 | 45.45 | 24.60 | 6.50 | 6.20 | 17.15 | 18.20 | | |
| 12 | 44.35 | 41.05 | 45.45 | 121.10 | 109.90 | 111.30 | 24.60 | 23.70 | 0.20 | 4.10 | 19.95 | 15.40 | | |
| 13 | 38.00 | 32.00 | 45.45 | 119.70 | 109.90 | 110.60 | 31.00 | 24.15 | 0.00 | 4.70 | 20.30 | 15.05 | | |
| 14 | 43.80 | 31.00 | 32.00 | 119.70 | 110.60 | 107.80 | 57.40 | 28.50 | 0.00 | 4.40 | 20.30 | 15.05 | | |
| 15 | 45.45 | 30.50 | 34.00 | 118.30 | 110.60 | 109.20 | 57.40 | 35.50 | 2.30 | 0.00 | 20.30 | 15.05 | | |
| 16 | 22.35 | 39.50 | 31.50 | 117.60 | 123.20 | 107.10 | 26.00 | 36.50 | 5.00 | 0.00 | 24.60 | 15.75 | | |
| 17 | 17.15 | 41.05 | 31.00 | 116.20 | 150.25 | 106.40 | 19.60 | 26.00 | 5.30 | 10.70 | 30.00 | 15.40 | | |
| 18 | 32.50 | 41.05 | 32.00 | 123.20 | 160.75 | 107.80 | 25.05 | 25.05 | 0.20 | 1.30 | 32.50 | 20.65 | | |
| 19 | 27.00 | 41.05 | 32.50 | 145.75 | 157.75 | 107.80 | 25.50 | 24.60 | 0.00 | 1.40 | 32.50 | 21.00 | | |
| 20 | 36.00 | 41.05 | 23.25 | 156.25 | 148.00 | 107.10 | 52.00 | 25.05 | 0.00 | 1.40 | 28.00 | 25.50 | | |
| 21 | 32.00 | 27.00 | 14.70 | 157.00 | 136.75 | 105.00 | 51.40 | 26.00 | 0.00 | 1.20 | 26.50 | 33.00 | | |
| 22 | 38.50 | 22.80 | 14.70 | 152.50 | 128.80 | 107.80 | 44.35 | 21.45 | 2.90 | 1.60 | 27.50 | 32.50 | | |
| 23 | 41.05 | 21.00 | 13.70 | 145.00 | 120.40 | 107.10 | 41.05 | 20.65 | 5.30 | 13.70 | 19.25 | 33.50 | | |
| 24 | 42.15 | 10.70 | 15.40 | 136.00 | 113.40 | 97.30 | 37.00 | 21.00 | 5.30 | 2.00 | 19.25 | 33.00 | | |
| 25 | 42.70 | 21.45 | 14.00 | 128.10 | 109.90 | 106.40 | 37.00 | 21.45 | 5.00 | 1.90 | 20.65 | 33.50 | | |
| 26 | 42.70 | 42.70 | 14.00 | 121.10 | 107.80 | 106.40 | 36.00 | 21.45 | 5.30 | 1.80 | 22.80 | 33.50 | | |
| 27 | 42.70 | 49.60 | 13.40 | 116.90 | 107.10 | 105.70 | 26.50 | 13.70 | 5.60 | 7.70 | 21.90 | 28.50 | | |
| 28 | 42.70 | 50.20 | 13.10 | 112.70 | 107.10 | 100.10 | 26.50 | 12.50 | 5.60 | 9.20 | 22.35 | 28.00 | | |
| 29 | 42.70 | 27.50 | 14.00 | 109.90 | 107.80 | 102.90 | 30.50 | 18.55 | 8.60 | 9.50 | | 19.95 | | |
| 30 | 34.00 | 21.90 | 31.50 | 107.80 | 107.80 | 103.60 | 43.80 | 19.60 | 5.90 | 10.10 | | 27.50 | | |
| 31 | | 35.50 | | 107.80 | 106.40 | | 68.40 | | 5.30 | 9.80 | | 33.00 | | |
| Total | 1085.75 | 1125.90 | 994.65 | 3557.00 | 3583.60 | 3231.20 | 1830.60 | 865.45 | 219.85 | 163.75 | 459.20 | 765.10 | 17882.05 | CMSDAY |
| Mean | 36.19 | 36.32 | 33.16 | 114.74 | 115.60 | 107.71 | 59.05 | 28.85 | 7.09 | 5.28 | 16.40 | 24.68 | 48.99 | CMS |
| Max | 45.45 | 58.65 | 55.60 | 157.00 | 160.75 | 112.00 | 105.00 | 72.30 | 20.30 | 21.45 | 32.50 | 33.50 | 160.75 | CMS |
| Min | 14.00 | 10.70 | 13.10 | 36.50 | 102.20 | 97.30 | 19.60 | 12.50 | 0.00 | 0.00 | 0.00 | 15.05 | 0.00 | CMS |
| Runoff | 93.81 | 97.28 | 85.94 | 307.32 | 309.62 | 279.18 | 158.16 | 74.77 | 19.00 | 14.15 | 39.67 | 66.10 | 1545.01 | MCM |

Momentary Peak 162.25 CMS. at 44.39 m. (MSL.) at 14.00 Hours , on Aug 18 , 2006

Runoff Yield 22.07 Liters/Second/Square KM. Momentary Peak Yield 73.09 Liters/Second/Square KM.

## WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Huai Mae Prachan at Ban Sa Yai Non, Phetchaburi (B.6)

Lat 12 - 56 - 00 N Long 99 - 46 - 59 E

**Location : on left bank about 250 meters upstream from the bridge of Khuan Phet-Kaeng Krachan Reservoir Road.**

**Ban** Sa Yai Non **Amphoe** Kaeng Krachan **Changwat** Phetchaburi

| | |
|---|---|
| **Drainge Area** | 1,003 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +22.710 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the automatic gage building. **Elevation** +30.274 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1941 - 1942, 1961 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1961 - 1962, 1964 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1961 - 1962, 1964 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 59 diacharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

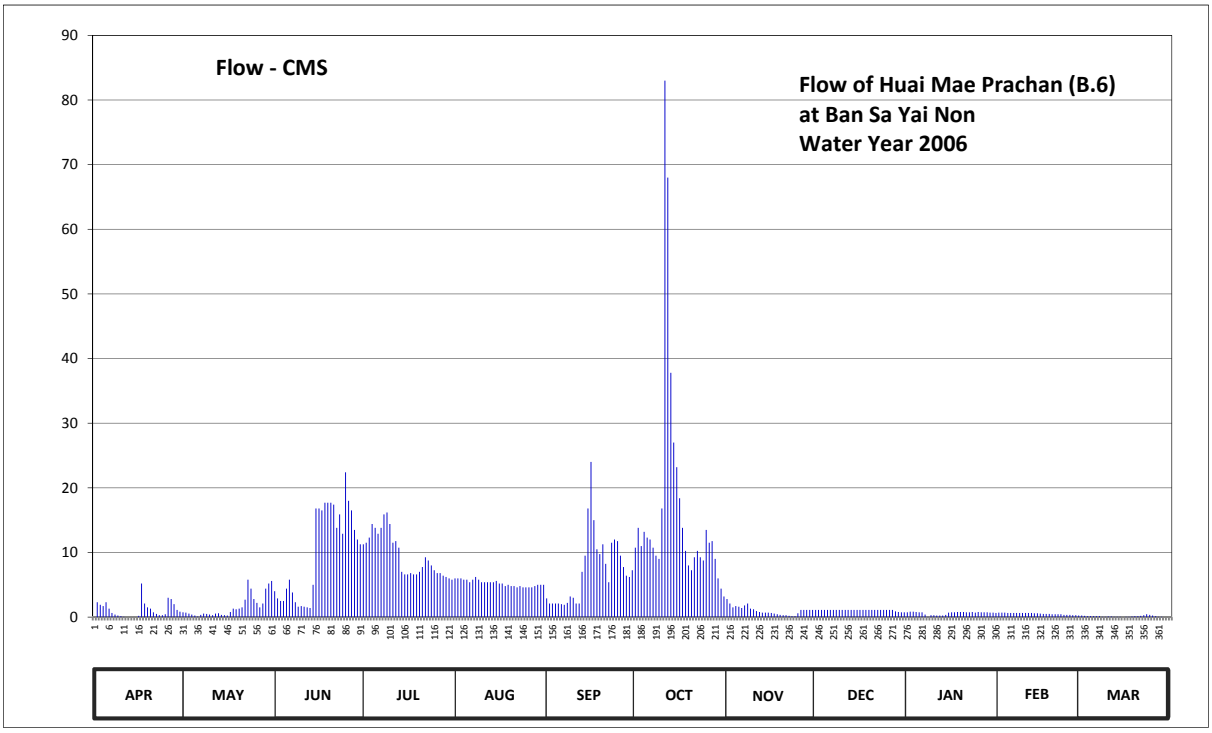
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22.41 | 22.65 | 22.95 | 23.27 | 23.05 | 22.89 | 23.25 | 22.88 | 22.71 | 22.65 | 22.64 | 22.55 | |
| 2 | 22.83 | 22.64 | 22.89 | 23.28 | 23.05 | 22.81 | 23.36 | 22.81 | 22.71 | 22.67 | 22.64 | 22.54 | |
| 3 | 22.79 | 22.61 | 22.85 | 23.31 | 23.05 | 22.81 | 23.26 | 22.75 | 22.71 | 22.67 | 22.64 | 22.53 | |
| 4 | 22.77 | 22.58 | 22.85 | 23.38 | 23.04 | 22.81 | 23.34 | 22.77 | 22.71 | 22.66 | 22.63 | 22.53 | |
| 5 | 22.83 | 22.55 | 22.97 | 23.36 | 23.04 | 22.81 | 23.31 | 22.76 | 22.71 | 22.65 | 22.63 | 22.53 | |
| 6 | 22.73 | 22.52 | 23.04 | 23.33 | 23.02 | 22.80 | 23.30 | 22.74 | 22.71 | 22.65 | 22.63 | 22.53 | |
| 7 | 22.63 | 22.57 | 22.94 | 23.36 | 23.04 | 22.79 | 23.25 | 22.78 | 22.71 | 22.58 | 22.63 | 22.53 | |
| 8 | 22.58 | 22.61 | 22.83 | 23.43 | 23.06 | 22.82 | 23.20 | 22.81 | 22.71 | 22.51 | 22.63 | 22.51 | |
| 9 | 22.55 | 22.60 | 22.76 | 23.44 | 23.04 | 22.91 | 23.18 | 22.73 | 22.71 | 22.56 | 22.63 | 22.51 | |
| 10 | 22.53 | 22.58 | 22.77 | 23.38 | 23.02 | 22.90 | 23.46 | 22.72 | 22.71 | 22.56 | 22.63 | 22.52 | |
| 11 | 22.51 | 22.56 | 22.76 | 23.28 | 23.02 | 22.81 | 24.58 | 22.69 | 22.71 | 22.55 | 22.63 | 22.52 | |
| 12 | 22.46 | 22.61 | 22.75 | 23.29 | 23.02 | 22.81 | 24.38 | 22.66 | 22.71 | 22.55 | 22.63 | 22.51 | |
| 13 | 22.43 | 22.62 | 22.74 | 23.25 | 23.02 | 23.10 | 23.93 | 22.64 | 22.71 | 22.55 | 22.62 | 22.51 | |
| 14 | 22.42 | 22.57 | 23.00 | 23.10 | 23.02 | 23.20 | 23.72 | 22.64 | 22.71 | 22.57 | 22.62 | 22.51 | |
| 15 | 22.38 | 22.56 | 23.46 | 23.08 | 23.03 | 23.46 | 23.63 | 22.64 | 22.71 | 22.64 | 22.61 | 22.50 | |
| 16 | 22.54 | 22.55 | 23.46 | 23.08 | 23.01 | 23.65 | 23.51 | 22.63 | 22.71 | 22.65 | 22.60 | 22.51 | |
| 17 | 23.01 | 22.66 | 23.45 | 23.09 | 23.01 | 23.40 | 23.36 | 22.61 | 22.71 | 22.65 | 22.60 | 22.51 | |
| 18 | 22.81 | 22.73 | 23.49 | 23.08 | 22.99 | 23.24 | 23.23 | 22.59 | 22.71 | 22.66 | 22.60 | 22.52 | |
| 19 | 22.75 | 22.72 | 23.49 | 23.08 | 23.00 | 23.21 | 23.14 | 22.57 | 22.71 | 22.66 | 22.59 | 22.53 | |
| 20 | 22.73 | 22.73 | 23.49 | 23.10 | 22.99 | 23.27 | 23.11 | 22.56 | 22.71 | 22.66 | 22.59 | 22.53 | |
| 21 | 22.65 | 22.75 | 23.48 | 23.13 | 22.99 | 23.15 | 23.19 | 22.56 | 22.71 | 22.65 | 22.59 | 22.54 | |
| 22 | 22.60 | 22.87 | 23.36 | 23.19 | 22.98 | 23.02 | 23.23 | 22.54 | 22.71 | 22.65 | 22.59 | 22.56 | |
| 23 | 22.56 | 23.04 | 23.43 | 23.17 | 22.99 | 23.28 | 23.19 | 22.53 | 22.71 | 22.66 | 22.57 | 22.59 | |
| 24 | 22.56 | 22.97 | 23.33 | 23.14 | 22.98 | 23.30 | 23.17 | 22.53 | 22.71 | 22.64 | 22.57 | 22.57 | |
| 25 | 22.59 | 22.88 | 23.61 | 23.11 | 22.98 | 23.29 | 23.35 | 22.62 | 22.71 | 22.66 | 22.57 | 22.55 | |
| 26 | 22.90 | 22.82 | 23.50 | 23.09 | 22.98 | 23.20 | 23.28 | 22.71 | 22.71 | 22.65 | 22.56 | 22.53 | |
| 27 | 22.88 | 22.75 | 23.45 | 23.09 | 22.98 | 23.13 | 23.29 | 22.71 | 22.71 | 22.65 | 22.56 | 22.51 | |
| 28 | 22.80 | 22.81 | 23.35 | 23.07 | 22.99 | 23.07 | 23.18 | 22.71 | 22.68 | 22.65 | 22.55 | 22.51 | |
| 29 | 22.71 | 22.97 | 23.30 | 23.06 | 23.00 | 23.06 | 23.05 | 22.71 | 22.66 | 22.64 | | 22.38 | |
| 30 | 22.67 | 23.01 | 23.27 | 23.05 | 23.00 | 23.11 | 22.97 | 22.71 | 22.65 | 22.64 | | 22.43 | |
| 31 | | 23.03 | | 23.04 | 23.00 | | 22.91 | | 22.65 | 22.63 | | 22.50 | |
| Mean | 22.65 | 22.71 | 23.17 | 23.20 | 23.01 | 23.07 | 23.36 | 22.68 | 22.70 | 22.63 | 22.61 | 22.52 | |
| Max | 23.01 | 23.04 | 23.61 | 23.44 | 23.06 | 23.65 | 24.58 | 22.88 | 22.71 | 22.67 | 22.64 | 22.59 | 24.58 |
| Min | 22.38 | 22.52 | 22.74 | 23.04 | 22.98 | 22.79 | 22.91 | 22.53 | 22.65 | 22.51 | 22.55 | 22.38 | 22.38 |

Annual Max Momentary Gage Height 24.73 m. (MSL.) , at 06.00 Hours , on Oct 11 , 2006

Zero Gage at Bottom Elevation 22.71 m. (MSL.) , River Bed 21.56 m. (MSL.)

Left Bank Elevation 32.31 m. (MSL.) ,

Right Bank Elevation 32.79 m. (MSL.) , Drainage Are 1,003 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.75 | 4.00 | 11.25 | 6.00 | 2.90 | 10.75 | 2.80 | 1.10 | 0.75 | 0.70 | 0.25 | | |
| 2 | 2.30 | 0.70 | 2.90 | 11.50 | 6.00 | 2.10 | 13.80 | 2.10 | 1.10 | 0.85 | 0.70 | 0.20 | | |
| 3 | 1.90 | 0.55 | 2.50 | 12.30 | 6.00 | 2.10 | 11.00 | 1.50 | 1.10 | 0.85 | 0.70 | 0.15 | | |
| 4 | 1.70 | 0.40 | 2.50 | 14.40 | 5.80 | 2.10 | 13.20 | 1.70 | 1.10 | 0.80 | 0.65 | 0.15 | | |
| 5 | 2.30 | 0.25 | 4.40 | 13.80 | 5.80 | 2.10 | 12.30 | 1.60 | 1.10 | 0.75 | 0.65 | 0.15 | | |
| 6 | 1.30 | 0.10 | 5.80 | 12.90 | 5.40 | 2.00 | 12.00 | 1.40 | 1.10 | 0.75 | 0.65 | 0.15 | | |
| 7 | 0.65 | 0.35 | 3.80 | 13.80 | 5.80 | 1.90 | 10.75 | 1.80 | 1.10 | 0.40 | 0.65 | 0.15 | | |
| 8 | 0.40 | 0.55 | 2.30 | 15.90 | 6.20 | 2.20 | 9.50 | 2.10 | 1.10 | 0.05 | 0.65 | 0.05 | | |
| 9 | 0.25 | 0.50 | 1.60 | 16.20 | 5.80 | 3.20 | 9.00 | 1.30 | 1.10 | 0.30 | 0.65 | 0.05 | | |
| 10 | 0.15 | 0.40 | 1.70 | 14.40 | 5.40 | 3.00 | 16.80 | 1.20 | 1.10 | 0.30 | 0.65 | 0.10 | | |
| 11 | 0.05 | 0.30 | 1.60 | 11.50 | 5.40 | 2.10 | 83.00 | 0.95 | 1.10 | 0.25 | 0.65 | 0.10 | | |
| 12 | 0.00 | 0.55 | 1.50 | 11.75 | 5.40 | 2.10 | 68.00 | 0.80 | 1.10 | 0.25 | 0.65 | 0.05 | | |
| 13 | 0.00 | 0.60 | 1.40 | 10.75 | 5.40 | 7.00 | 37.80 | 0.70 | 1.10 | 0.25 | 0.60 | 0.05 | | |
| 14 | 0.00 | 0.35 | 5.00 | 7.00 | 5.40 | 9.50 | 27.00 | 0.70 | 1.10 | 0.35 | 0.60 | 0.05 | | |
| 15 | 0.00 | 0.30 | 16.80 | 6.60 | 5.60 | 16.80 | 23.20 | 0.70 | 1.10 | 0.70 | 0.55 | 0.00 | | |
| 16 | 0.20 | 0.25 | 16.80 | 6.60 | 5.20 | 24.00 | 18.40 | 0.65 | 1.10 | 0.75 | 0.50 | 0.05 | | |
| 17 | 5.20 | 0.80 | 16.50 | 6.80 | 5.20 | 15.00 | 13.80 | 0.55 | 1.10 | 0.75 | 0.50 | 0.05 | | |
| 18 | 2.10 | 1.30 | 17.70 | 6.60 | 4.80 | 10.50 | 10.25 | 0.45 | 1.10 | 0.80 | 0.50 | 0.10 | | |
| 19 | 1.50 | 1.20 | 17.70 | 6.60 | 5.00 | 9.75 | 8.00 | 0.35 | 1.10 | 0.80 | 0.45 | 0.15 | | |
| 20 | 1.30 | 1.30 | 17.70 | 7.00 | 4.80 | 11.25 | 7.25 | 0.30 | 1.10 | 0.80 | 0.45 | 0.15 | | |
| 21 | 0.75 | 1.50 | 17.40 | 7.75 | 4.80 | 8.25 | 9.25 | 0.30 | 1.10 | 0.75 | 0.45 | 0.20 | | |
| 22 | 0.50 | 2.70 | 13.80 | 9.25 | 4.60 | 5.40 | 10.25 | 0.20 | 1.10 | 0.75 | 0.45 | 0.30 | | |
| 23 | 0.30 | 5.80 | 15.90 | 8.75 | 4.80 | 11.50 | 9.25 | 0.15 | 1.10 | 0.80 | 0.35 | 0.45 | | |
| 24 | 0.30 | 4.40 | 12.90 | 8.00 | 4.60 | 12.00 | 8.75 | 0.15 | 1.10 | 0.70 | 0.35 | 0.35 | | |
| 25 | 0.45 | 2.80 | 22.40 | 7.25 | 4.60 | 11.75 | 13.50 | 0.60 | 1.10 | 0.80 | 0.35 | 0.25 | | |
| 26 | 3.00 | 2.20 | 18.00 | 6.80 | 4.60 | 9.50 | 11.50 | 1.10 | 1.10 | 0.75 | 0.30 | 0.15 | | |
| 27 | 2.80 | 1.50 | 16.50 | 6.80 | 4.60 | 7.75 | 11.75 | 1.10 | 1.10 | 0.75 | 0.30 | 0.05 | | |
| 28 | 2.00 | 2.10 | 13.50 | 6.40 | 4.80 | 6.40 | 9.00 | 1.10 | 0.90 | 0.75 | 0.25 | 0.05 | | |
| 29 | 1.10 | 4.40 | 12.00 | 6.20 | 5.00 | 6.20 | 6.00 | 1.10 | 0.80 | 0.70 | | 0.00 | | |
| 30 | 0.85 | 5.20 | 11.25 | 6.00 | 5.00 | 7.25 | 4.40 | 1.10 | 0.75 | 0.70 | | 0.00 | | |
| 31 | | 5.60 | | 5.80 | 5.00 | | 3.20 | | 0.75 | 0.65 | | 0.00 | | |
| Total | 33.35 | 49.70 | 297.85 | 296.65 | 162.80 | 217.60 | 512.65 | 30.55 | 32.90 | 19.60 | 14.90 | 3.95 | 1672.50 | CMSDAY |
| Mean | 1.11 | 1.60 | 9.93 | 9.57 | 5.25 | 7.25 | 16.54 | 1.02 | 1.06 | 0.63 | 0.53 | 0.13 | 4.58 | CMS |
| Max | 5.20 | 5.80 | 22.40 | 16.20 | 6.20 | 24.00 | 83.00 | 2.80 | 1.10 | 0.85 | 0.70 | 0.45 | 83.00 | CMS |
| Min | 0.00 | 0.10 | 1.40 | 5.80 | 4.60 | 1.90 | 3.20 | 0.15 | 0.75 | 0.05 | 0.25 | 0.00 | 0.00 | CMS |
| Runoff | 2.88 | 4.29 | 25.73 | 25.63 | 14.07 | 18.80 | 44.29 | 2.64 | 2.84 | 1.69 | 1.29 | 0.34 | 144.50 | MCM |

Momentary Peak 94.40 CMS. at 24.73 m. (MSL.) at 06.00 Hours , on Oct 11 , 2006

Runoff Yield 4.57 Liters/Second/Square KM. Momentary Peak Yield 94.12 Liters/Second/Square KM.

## WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Huai Phak at Ban Prong Khae , Phetchaburi (B.8A)

Lat 12 - 48 - 50 N Long 99 - 42 - 16 E

**Location : on left bank at Ban Prong Khae.**

| | | | |
|---|---|---|---|
| | **Ban** Prong Khae | **Amphoe** Tha Yang | **Changwat** Phetchaburi |
| **Drainge Area** | 301 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +39.177 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | In front of gage observer's house. | | **Elevation** +51.185 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1973 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1973 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1973 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 47 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

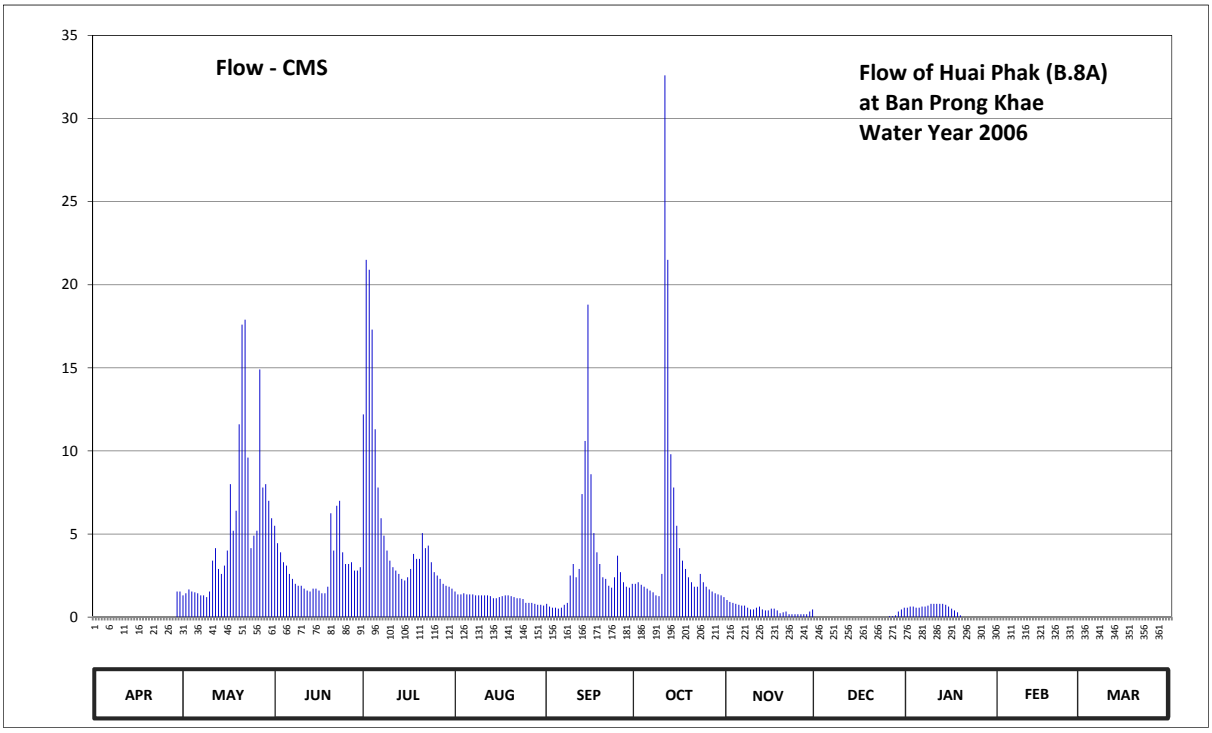
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39.81 | 40.18 | 40.60 | 40.94 | 40.22 | 40.09 | 40.30 | 40.13 | 39.94 | 40.05 | 39.95 | 39.95 | |
| 2 | 39.81 | 40.20 | 40.53 | 41.25 | 40.19 | 40.06 | 40.31 | 40.11 | 39.90 | 40.06 | 39.95 | 39.95 | |
| 3 | 39.81 | 40.24 | 40.49 | 41.23 | 40.19 | 40.05 | 40.29 | 40.10 | 39.90 | 40.06 | 39.95 | 39.95 | |
| 4 | 39.81 | 40.22 | 40.43 | 41.11 | 40.20 | 40.05 | 40.27 | 40.09 | 39.91 | 40.05 | 39.95 | 39.95 | |
| 5 | 39.81 | 40.21 | 40.41 | 40.91 | 40.19 | 40.04 | 40.25 | 40.08 | 39.92 | 40.05 | 39.95 | 39.95 | |
| 6 | 39.81 | 40.20 | 40.36 | 40.74 | 40.19 | 40.05 | 40.23 | 40.07 | 39.92 | 40.06 | 39.95 | 39.95 | |
| 7 | 39.81 | 40.18 | 40.33 | 40.63 | 40.19 | 40.08 | 40.21 | 40.07 | 39.93 | 40.06 | 39.95 | 39.95 | |
| 8 | 39.81 | 40.18 | 40.30 | 40.56 | 40.18 | 40.10 | 40.18 | 40.05 | 39.93 | 40.07 | 39.95 | 39.95 | |
| 9 | 39.81 | 40.16 | 40.28 | 40.50 | 40.18 | 40.35 | 40.17 | 40.03 | 39.92 | 40.09 | 39.95 | 39.95 | |
| 10 | 39.81 | 40.22 | 40.28 | 40.44 | 40.18 | 40.42 | 40.36 | 40.03 | 39.91 | 40.09 | 39.95 | 39.95 | |
| 11 | 39.81 | 40.44 | 40.25 | 40.40 | 40.18 | 40.34 | 41.59 | 40.05 | 39.91 | 40.09 | 39.95 | 39.95 | |
| 12 | 39.81 | 40.51 | 40.23 | 40.38 | 40.18 | 40.39 | 41.25 | 40.06 | 39.91 | 40.09 | 39.95 | 39.95 | |
| 13 | 39.81 | 40.39 | 40.22 | 40.36 | 40.17 | 40.72 | 40.84 | 40.03 | 39.93 | 40.09 | 39.95 | 39.95 | |
| 14 | 39.81 | 40.36 | 40.25 | 40.33 | 40.15 | 40.88 | 40.74 | 40.02 | 39.92 | 40.08 | 39.95 | 39.95 | |
| 15 | 39.81 | 40.41 | 40.25 | 40.32 | 40.15 | 41.16 | 40.60 | 40.02 | 39.93 | 40.06 | 39.95 | 39.95 | |
| 16 | 39.81 | 40.50 | 40.23 | 40.34 | 40.16 | 40.78 | 40.51 | 40.04 | 39.93 | 40.04 | 39.95 | 39.95 | |
| 17 | 39.81 | 40.75 | 40.20 | 40.39 | 40.17 | 40.57 | 40.44 | 40.04 | 39.93 | 40.02 | 39.95 | 39.95 | |
| 18 | 39.81 | 40.58 | 40.20 | 40.48 | 40.18 | 40.49 | 40.39 | 40.02 | 39.92 | 40.00 | 39.95 | 39.95 | |
| 19 | 39.81 | 40.66 | 40.27 | 40.45 | 40.18 | 40.42 | 40.34 | 39.99 | 39.95 | 39.97 | 39.95 | 39.95 | |
| 20 | 39.81 | 40.92 | 40.65 | 40.45 | 40.17 | 40.34 | 40.31 | 40.00 | 39.95 | 39.94 | 39.95 | 39.95 | |
| 21 | 39.81 | 41.12 | 40.50 | 40.57 | 40.16 | 40.33 | 40.27 | 40.01 | 39.93 | 39.90 | 39.95 | 39.95 | |
| 22 | 39.81 | 41.13 | 40.68 | 40.51 | 40.15 | 40.28 | 40.27 | 39.98 | 39.91 | 39.87 | 39.95 | 39.95 | |
| 23 | 39.81 | 40.83 | 40.70 | 40.52 | 40.15 | 40.26 | 40.36 | 39.98 | 39.91 | 39.86 | 39.95 | 39.95 | |
| 24 | 39.81 | 40.51 | 40.49 | 40.43 | 40.14 | 40.34 | 40.31 | 39.98 | 39.93 | 39.83 | 39.95 | 39.95 | |
| 25 | 39.81 | 40.56 | 40.42 | 40.37 | 40.10 | 40.47 | 40.27 | 39.98 | 39.95 | 39.80 | 39.95 | 39.95 | |
| 26 | 39.81 | 40.58 | 40.42 | 40.35 | 40.10 | 40.37 | 40.24 | 39.98 | 39.96 | 39.78 | 39.95 | 39.95 | |
| 27 | 39.81 | 41.03 | 40.43 | 40.33 | 40.10 | 40.31 | 40.22 | 39.98 | 39.96 | 39.78 | 39.95 | 39.95 | |
| 28 | 39.81 | 40.74 | 40.38 | 40.30 | 40.09 | 40.27 | 40.20 | 39.98 | 39.97 | 39.77 | 39.95 | 39.95 | |
| 29 | 40.22 | 40.75 | 40.38 | 40.28 | 40.08 | 40.26 | 40.19 | 40.01 | 40.01 | 39.74 | | 39.95 | |
| 30 | 40.22 | 40.70 | 40.40 | 40.27 | 40.08 | 40.30 | 40.18 | 40.03 | 40.03 | 39.67 | | 39.95 | |
| 31 | | 40.63 | | 40.25 | 40.07 | | 40.16 | | 40.05 | 39.67 | | 39.95 | |
| Mean | 39.84 | 40.52 | 40.39 | 40.53 | 40.16 | 40.35 | 40.40 | 40.03 | 39.94 | 39.96 | 39.95 | 39.95 | |
| Max | 40.22 | 41.13 | 40.70 | 41.25 | 40.22 | 41.16 | 41.59 | 40.13 | 40.05 | 40.09 | 39.95 | 39.95 | 41.59 |
| Min | 39.81 | 40.16 | 40.20 | 40.25 | 40.07 | 40.04 | 40.16 | 39.98 | 39.90 | 39.67 | 39.95 | 39.95 | 39.67 |

Annual Max Momentary Gage Height 41.81 m. (MSL.) , at 22.00 Hours , on Oct 11 , 2006

Zero Gage at Bottom Elevation 39.18 m. (MSL.) , River Bed 39.18 m. (MSL.)

Left Bank Elevation 44.64 m. (MSL.) ,

Right Bank Elevation 45.12 m. (MSL.) , Drainage Are 301 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 1.31 | 5.50 | 12.20 | 1.54 | 0.80 | 2.00 | 1.03 | 0.00 | 0.57 | 0.00 | 0.00 | | |
| 2 | 0.00 | 1.43 | 4.45 | 21.50 | 1.37 | 0.63 | 2.10 | 0.91 | 0.00 | 0.63 | 0.00 | 0.00 | | |
| 3 | 0.00 | 1.66 | 3.90 | 20.90 | 1.37 | 0.57 | 1.94 | 0.86 | 0.00 | 0.63 | 0.00 | 0.00 | | |
| 4 | 0.00 | 1.54 | 3.30 | 17.30 | 1.43 | 0.57 | 1.83 | 0.80 | 0.00 | 0.57 | 0.00 | 0.00 | | |
| 5 | 0.00 | 1.49 | 3.10 | 11.30 | 1.37 | 0.51 | 1.71 | 0.74 | 0.00 | 0.57 | 0.00 | 0.00 | | |
| 6 | 0.00 | 1.43 | 2.60 | 7.80 | 1.37 | 0.57 | 1.60 | 0.69 | 0.00 | 0.63 | 0.00 | 0.00 | | |
| 7 | 0.00 | 1.31 | 2.30 | 5.95 | 1.37 | 0.74 | 1.49 | 0.69 | 0.00 | 0.63 | 0.00 | 0.00 | | |
| 8 | 0.00 | 1.31 | 2.00 | 4.90 | 1.31 | 0.86 | 1.31 | 0.57 | 0.00 | 0.69 | 0.00 | 0.00 | | |
| 9 | 0.00 | 1.20 | 1.89 | 4.00 | 1.31 | 2.50 | 1.26 | 0.46 | 0.00 | 0.80 | 0.00 | 0.00 | | |
| 10 | 0.00 | 1.54 | 1.89 | 3.40 | 1.31 | 3.20 | 2.60 | 0.46 | 0.00 | 0.80 | 0.00 | 0.00 | | |
| 11 | 0.00 | 3.40 | 1.71 | 3.00 | 1.31 | 2.40 | 32.60 | 0.57 | 0.00 | 0.80 | 0.00 | 0.00 | | |
| 12 | 0.00 | 4.15 | 1.60 | 2.80 | 1.31 | 2.90 | 21.50 | 0.63 | 0.00 | 0.80 | 0.00 | 0.00 | | |
| 13 | 0.00 | 2.90 | 1.54 | 2.60 | 1.26 | 7.40 | 9.80 | 0.46 | 0.00 | 0.80 | 0.00 | 0.00 | | |
| 14 | 0.00 | 2.60 | 1.71 | 2.30 | 1.14 | 10.60 | 7.80 | 0.40 | 0.00 | 0.74 | 0.00 | 0.00 | | |
| 15 | 0.00 | 3.10 | 1.71 | 2.20 | 1.14 | 18.80 | 5.50 | 0.40 | 0.00 | 0.63 | 0.00 | 0.00 | | |
| 16 | 0.00 | 4.00 | 1.60 | 2.40 | 1.20 | 8.60 | 4.15 | 0.51 | 0.00 | 0.51 | 0.00 | 0.00 | | |
| 17 | 0.00 | 8.00 | 1.43 | 2.90 | 1.26 | 5.05 | 3.40 | 0.51 | 0.00 | 0.40 | 0.00 | 0.00 | | |
| 18 | 0.00 | 5.20 | 1.43 | 3.80 | 1.31 | 3.90 | 2.90 | 0.40 | 0.00 | 0.29 | 0.00 | 0.00 | | |
| 19 | 0.00 | 6.40 | 1.83 | 3.50 | 1.31 | 3.20 | 2.40 | 0.23 | 0.00 | 0.11 | 0.00 | 0.00 | | |
| 20 | 0.00 | 11.60 | 6.25 | 3.50 | 1.26 | 2.40 | 2.10 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 17.60 | 4.00 | 5.05 | 1.20 | 2.30 | 1.83 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 17.90 | 6.70 | 4.15 | 1.14 | 1.89 | 1.83 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 9.60 | 7.00 | 4.30 | 1.14 | 1.77 | 2.60 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 4.15 | 3.90 | 3.30 | 1.09 | 2.40 | 2.10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 4.90 | 3.20 | 2.70 | 0.86 | 3.70 | 1.83 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 5.20 | 3.20 | 2.50 | 0.86 | 2.70 | 1.66 | 0.17 | 0.06 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 14.90 | 3.30 | 2.30 | 0.86 | 2.10 | 1.54 | 0.17 | 0.06 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 7.80 | 2.80 | 2.00 | 0.80 | 1.83 | 1.43 | 0.17 | 0.11 | 0.00 | 0.00 | 0.00 | | |
| 29 | 1.54 | 8.00 | 2.80 | 1.89 | 0.74 | 1.77 | 1.37 | 0.34 | 0.34 | 0.00 | | 0.00 | | |
| 30 | 1.54 | 7.00 | 3.00 | 1.83 | 0.74 | 2.00 | 1.31 | 0.46 | 0.46 | 0.00 | | 0.00 | | |
| 31 | | 5.95 | | 1.71 | 0.69 | | 1.20 | | 0.57 | 0.00 | | 0.00 | | |
| Total | 3.08 | 168.57 | 91.64 | 169.98 | 36.37 | 98.66 | 128.69 | 13.94 | 1.60 | 11.60 | 0.00 | 0.00 | 724.13 | CMSDAY |
| Mean | 0.10 | 5.44 | 3.05 | 5.48 | 1.17 | 3.29 | 4.15 | 0.46 | 0.05 | 0.37 | 0.00 | 0.00 | 1.98 | CMS |
| Max | 1.54 | 17.90 | 7.00 | 21.50 | 1.54 | 18.80 | 32.60 | 1.03 | 0.57 | 0.80 | 0.00 | 0.00 | 32.60 | CMS |
| Min | 0.00 | 1.20 | 1.43 | 1.71 | 0.69 | 0.51 | 1.20 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.27 | 14.56 | 7.92 | 14.69 | 3.14 | 8.52 | 11.12 | 1.20 | 0.14 | 1.00 | 0.00 | 0.00 | 62.56 | MCM |

Momentary Peak 41.40 CMS. at 41.81 m. (MSL.) at 22.00 Hours , on Oct 11 , 2006

Runoff Yield 6.59 Liters/Second/Square KM. Momentary Peak Yield 137.54 Liters/Second/Square KM.

## WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Phetchaburi River at Ban Sarahed , Phetchaburi (B.9)

Lat 12 - 48 - 18 N Long 99 - 46 - 27 E

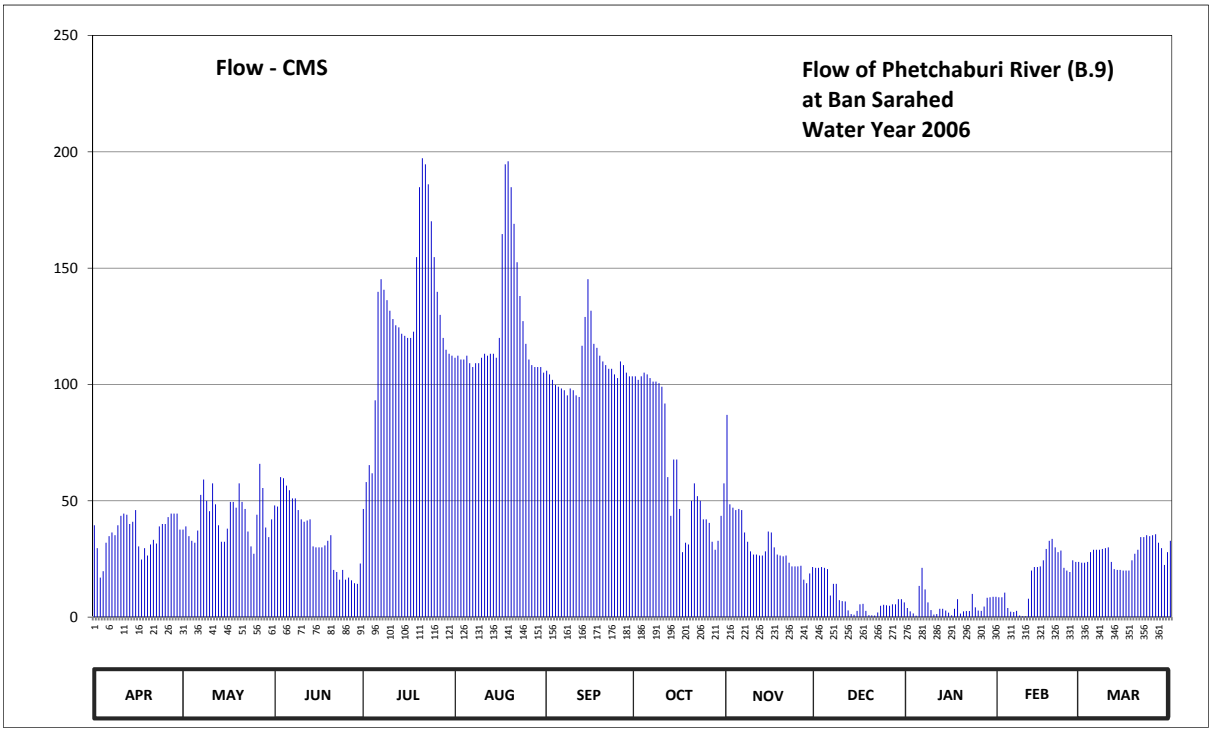
**Location : on left bank at Ban Sarahed.**

| | | | |
|---|---|---|---|
| | **Ban** Sarahed | **Amphoe** Tha Yang | **Changwat** Phetchaburi |
| **Drainge Area** | 2,617 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +25.317 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the automatic gage building. | | **Elevation** +32.512 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relationdefined by 60 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27.93 | 27.89 | 28.10 | 28.07 | 29.10 | 29.03 | 29.00 | 28.77 | 27.44 | 26.76 | 27.00 | 27.51 | |
| 2 | 27.69 | 27.92 | 28.09 | 28.30 | 29.11 | 29.01 | 28.98 | 28.11 | 27.44 | 26.65 | 27.00 | 27.51 | |
| 3 | 27.30 | 27.82 | 28.34 | 28.43 | 29.09 | 28.98 | 29.00 | 28.08 | 27.45 | 26.56 | 27.08 | 27.52 | |
| 4 | 27.39 | 27.77 | 28.33 | 28.37 | 29.09 | 28.95 | 29.02 | 28.06 | 27.44 | 26.44 | 26.76 | 27.64 | |
| 5 | 27.75 | 27.75 | 28.27 | 28.86 | 29.11 | 28.94 | 29.01 | 28.07 | 27.42 | 27.18 | 26.63 | 27.67 | |
| 6 | 27.82 | 27.88 | 28.23 | 29.42 | 29.07 | 28.93 | 28.99 | 28.06 | 27.03 | 27.44 | 26.62 | 27.67 | |
| 7 | 27.86 | 28.19 | 28.16 | 29.48 | 29.05 | 28.92 | 28.97 | 27.86 | 27.21 | 27.13 | 26.67 | 27.67 | |
| 8 | 27.83 | 28.32 | 28.16 | 29.43 | 29.07 | 28.89 | 28.97 | 27.76 | 27.21 | 26.89 | 26.45 | 27.68 | |
| 9 | 27.93 | 28.14 | 28.06 | 29.38 | 29.07 | 28.93 | 28.96 | 27.65 | 26.94 | 26.70 | 26.38 | 27.69 | |
| 10 | 28.01 | 28.05 | 27.98 | 29.33 | 29.10 | 28.92 | 28.94 | 27.61 | 26.92 | 26.51 | 26.37 | 27.70 | |
| 11 | 28.03 | 28.29 | 27.96 | 29.29 | 29.12 | 28.89 | 28.84 | 27.61 | 26.91 | 26.53 | 26.97 | 27.52 | |
| 12 | 28.02 | 28.11 | 27.97 | 29.26 | 29.11 | 28.88 | 28.34 | 27.60 | 26.69 | 26.74 | 27.40 | 27.42 | |
| 13 | 27.94 | 27.93 | 27.98 | 29.25 | 29.12 | 29.16 | 28.01 | 27.60 | 26.53 | 26.74 | 27.45 | 27.41 | |
| 14 | 27.96 | 27.76 | 27.71 | 29.22 | 29.12 | 29.30 | 28.47 | 27.65 | 26.50 | 26.68 | 27.45 | 27.41 | |
| 15 | 28.06 | 27.76 | 27.70 | 29.21 | 29.10 | 29.48 | 28.47 | 27.87 | 26.67 | 26.59 | 27.46 | 27.40 | |
| 16 | 27.71 | 27.90 | 27.70 | 29.20 | 29.20 | 29.33 | 28.07 | 27.86 | 26.85 | 26.46 | 27.54 | 27.40 | |
| 17 | 27.55 | 28.13 | 27.70 | 29.20 | 29.66 | 29.17 | 27.64 | 27.70 | 26.86 | 26.74 | 27.68 | 27.40 | |
| 18 | 27.69 | 28.13 | 27.72 | 29.23 | 29.92 | 29.15 | 27.75 | 27.61 | 26.67 | 26.96 | 27.77 | 27.54 | |
| 19 | 27.60 | 28.08 | 27.77 | 29.57 | 29.93 | 29.11 | 27.73 | 27.60 | 26.47 | 26.55 | 27.79 | 27.62 | |
| 20 | 27.73 | 28.29 | 27.83 | 29.84 | 29.84 | 29.08 | 28.14 | 27.59 | 26.46 | 26.65 | 27.70 | 27.67 | |
| 21 | 27.78 | 28.13 | 27.41 | 29.94 | 29.70 | 29.06 | 28.29 | 27.60 | 26.45 | 26.66 | 27.64 | 27.81 | |
| 22 | 27.74 | 28.07 | 27.38 | 29.92 | 29.55 | 29.04 | 28.18 | 27.51 | 26.60 | 26.66 | 27.66 | 27.81 | |
| 23 | 27.92 | 27.87 | 27.27 | 29.85 | 29.40 | 29.04 | 28.14 | 27.46 | 26.82 | 27.06 | 27.44 | 27.83 | |
| 24 | 27.94 | 27.71 | 27.41 | 29.71 | 29.28 | 29.01 | 27.98 | 27.46 | 26.84 | 26.78 | 27.40 | 27.82 | |
| 25 | 27.94 | 27.62 | 27.27 | 29.57 | 29.17 | 28.99 | 27.98 | 27.46 | 26.83 | 26.68 | 27.38 | 27.83 | |
| 26 | 28.00 | 28.02 | 27.30 | 29.42 | 29.09 | 29.08 | 27.95 | 27.47 | 26.82 | 26.67 | 27.54 | 27.84 | |
| 27 | 28.03 | 28.44 | 27.26 | 29.31 | 29.06 | 29.06 | 27.76 | 27.27 | 26.85 | 26.80 | 27.52 | 27.75 | |
| 28 | 28.03 | 28.25 | 27.22 | 29.20 | 29.05 | 29.02 | 27.67 | 27.22 | 26.85 | 26.99 | 27.52 | 27.69 | |
| 29 | 28.03 | 27.91 | 27.21 | 29.14 | 29.05 | 29.00 | 27.77 | 27.36 | 26.96 | 27.00 | | 27.48 | |
| 30 | 27.89 | 27.81 | 27.50 | 29.12 | 29.05 | 29.00 | 28.01 | 27.45 | 26.96 | 27.01 | | 27.64 | |
| 31 | | 27.98 | | 29.11 | 29.02 | | 28.29 | | 26.89 | 27.01 | | 27.77 | |
| Mean | 27.84 | 28.00 | 27.77 | 29.25 | 29.24 | 29.05 | 28.37 | 27.70 | 26.90 | 26.78 | 27.22 | 27.62 | |
| Max | 28.06 | 28.44 | 28.34 | 29.94 | 29.93 | 29.48 | 29.02 | 28.77 | 27.45 | 27.44 | 27.79 | 27.84 | 29.94 |
| Min | 27.30 | 27.62 | 27.21 | 28.07 | 29.02 | 28.88 | 27.64 | 27.22 | 26.45 | 26.44 | 26.37 | 27.40 | 26.37 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 29.96 | m. (MSL.) , | at 11.00 Hours , on Jul 21 , 2006 | | |
| Zero Gage at Bottom Elevation | 25.32 | m. (MSL.) , | River Bed | 25.32 | m. (MSL.) |
| Left Bank Elevation | 31.80 | m. (MSL.) , | | | |
| Right Bank Elevation | 32.08 | m. (MSL.) , | Drainage Are | 2,617 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39.50 | 37.60 | 48.00 | 46.50 | 111.50 | 105.90 | 103.50 | 86.90 | 21.20 | 3.90 | 8.50 | 23.35 | | |
| 2 | 29.65 | 39.00 | 47.50 | 58.00 | 112.35 | 104.30 | 102.00 | 48.50 | 21.20 | 2.50 | 8.50 | 23.35 | | |
| 3 | 17.00 | 34.80 | 60.20 | 65.30 | 110.70 | 102.00 | 103.50 | 47.00 | 21.50 | 1.60 | 10.50 | 23.70 | | |
| 4 | 19.70 | 32.80 | 59.65 | 61.85 | 110.70 | 99.75 | 105.10 | 46.00 | 21.20 | 0.64 | 3.90 | 27.90 | | |
| 5 | 32.00 | 32.00 | 56.50 | 93.20 | 112.35 | 99.00 | 104.30 | 46.50 | 20.60 | 13.40 | 2.30 | 28.95 | | |
| 6 | 34.80 | 37.20 | 54.50 | 139.80 | 109.10 | 98.25 | 102.75 | 46.00 | 9.25 | 21.20 | 2.20 | 28.95 | | |
| 7 | 36.40 | 52.50 | 51.00 | 145.20 | 107.50 | 97.50 | 101.25 | 36.40 | 14.30 | 11.90 | 2.70 | 28.95 | | |
| 8 | 35.20 | 59.10 | 51.00 | 140.70 | 109.10 | 95.30 | 101.25 | 32.40 | 14.30 | 6.30 | 0.70 | 29.30 | | |
| 9 | 39.50 | 50.00 | 46.00 | 136.20 | 109.10 | 98.25 | 100.50 | 28.25 | 7.30 | 3.00 | 0.36 | 29.65 | | |
| 10 | 43.50 | 45.50 | 42.00 | 131.70 | 111.50 | 97.50 | 99.00 | 26.85 | 6.90 | 1.10 | 0.34 | 30.00 | | |
| 11 | 44.50 | 57.50 | 41.00 | 128.10 | 113.20 | 95.30 | 91.80 | 26.85 | 6.70 | 1.30 | 7.90 | 23.70 | | |
| 12 | 44.00 | 48.50 | 41.50 | 125.40 | 112.35 | 94.60 | 60.20 | 26.50 | 2.90 | 3.60 | 20.00 | 20.60 | | |
| 13 | 40.00 | 39.50 | 42.00 | 124.50 | 113.20 | 116.60 | 43.50 | 26.50 | 1.30 | 3.60 | 21.50 | 20.30 | | |
| 14 | 41.00 | 32.40 | 30.40 | 121.80 | 113.20 | 129.00 | 67.70 | 28.25 | 1.00 | 2.80 | 21.50 | 20.30 | | |
| 15 | 46.00 | 32.40 | 30.00 | 120.90 | 111.50 | 145.20 | 67.70 | 36.80 | 2.70 | 1.90 | 21.80 | 20.00 | | |
| 16 | 30.40 | 38.00 | 30.00 | 120.00 | 120.00 | 131.70 | 46.50 | 36.40 | 5.50 | 0.76 | 24.40 | 20.00 | | |
| 17 | 24.75 | 49.50 | 30.00 | 120.00 | 164.60 | 117.45 | 27.90 | 30.00 | 5.70 | 3.60 | 29.30 | 20.00 | | |
| 18 | 29.65 | 49.50 | 30.80 | 122.70 | 194.60 | 115.75 | 32.00 | 26.85 | 2.70 | 7.70 | 32.80 | 24.40 | | |
| 19 | 26.50 | 47.00 | 32.80 | 154.70 | 195.90 | 112.35 | 31.20 | 26.50 | 0.82 | 1.50 | 33.60 | 27.20 | | |
| 20 | 31.20 | 57.50 | 35.20 | 184.80 | 184.80 | 109.90 | 50.00 | 26.15 | 0.76 | 2.50 | 30.00 | 28.95 | | |
| 21 | 33.20 | 49.50 | 20.30 | 197.20 | 169.00 | 108.30 | 57.50 | 26.50 | 0.70 | 2.60 | 27.90 | 34.40 | | |
| 22 | 31.60 | 46.50 | 19.40 | 194.60 | 152.50 | 106.70 | 52.00 | 23.35 | 2.00 | 2.60 | 28.60 | 34.40 | | |
| 23 | 39.00 | 36.80 | 16.10 | 186.00 | 138.00 | 106.70 | 50.00 | 21.80 | 4.90 | 10.00 | 21.20 | 35.20 | | |
| 24 | 40.00 | 30.40 | 20.30 | 170.10 | 127.20 | 104.30 | 42.00 | 21.80 | 5.30 | 4.20 | 20.00 | 34.80 | | |
| 25 | 40.00 | 27.20 | 16.10 | 154.70 | 117.45 | 102.75 | 42.00 | 21.80 | 5.10 | 2.80 | 19.40 | 35.20 | | |
| 26 | 43.00 | 44.00 | 17.00 | 139.80 | 110.70 | 109.90 | 40.50 | 22.10 | 4.90 | 2.70 | 24.40 | 35.60 | | |
| 27 | 44.50 | 65.90 | 15.80 | 129.90 | 108.30 | 108.30 | 32.40 | 16.10 | 5.50 | 4.50 | 23.70 | 32.00 | | |
| 28 | 44.50 | 55.50 | 14.60 | 120.00 | 107.50 | 105.10 | 28.95 | 14.60 | 5.50 | 8.30 | 23.70 | 29.65 | | |
| 29 | 44.50 | 38.50 | 14.30 | 114.90 | 107.50 | 103.50 | 32.80 | 18.80 | 7.70 | 8.50 | | 22.40 | | |
| 30 | 37.60 | 34.40 | 23.00 | 113.20 | 107.50 | 103.50 | 43.50 | 21.50 | 7.70 | 8.75 | | 27.90 | | |
| 31 | | 42.00 | | 112.35 | 105.10 | | 57.50 | | 6.30 | 8.75 | | 32.80 | | |
| Total | 1083.15 | 1343.00 | 1036.95 | 3974.10 | 3878.00 | 3224.65 | 2020.80 | 943.95 | 243.43 | 158.50 | 471.70 | 853.90 | 19232.13 | CMSDAY |
| Mean | 36.11 | 43.32 | 34.56 | 128.20 | 125.10 | 107.49 | 65.19 | 31.46 | 7.85 | 5.11 | 16.85 | 27.55 | 52.69 | CMS |
| Max | 46.00 | 65.90 | 60.20 | 197.20 | 195.90 | 145.20 | 105.10 | 86.90 | 21.50 | 21.20 | 33.60 | 35.60 | 197.20 | CMS |
| Min | 17.00 | 27.20 | 14.30 | 46.50 | 105.10 | 94.60 | 27.90 | 14.60 | 0.70 | 0.64 | 0.34 | 20.00 | 0.34 | CMS |
| Runoff | 93.58 | 116.04 | 89.59 | 343.36 | 335.06 | 278.61 | 174.60 | 81.56 | 21.03 | 13.69 | 40.75 | 73.78 | 1661.66 | MCM |

Momentary Peak 199.80 CMS. at 29.96 m. (MSL.) at 11.00 Hours , on Jul 21 , 2006

Runoff Yield 20.13 Liters/Second/Square KM. Momentary Peak Yield 76.35 Liters/Second/Square KM.

## WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Phetchaburi River at Ban Tha Yang , Phetchaburi (B.10)

Lat 12 - 58 - 21 N Long 99 - 53 - 07 E

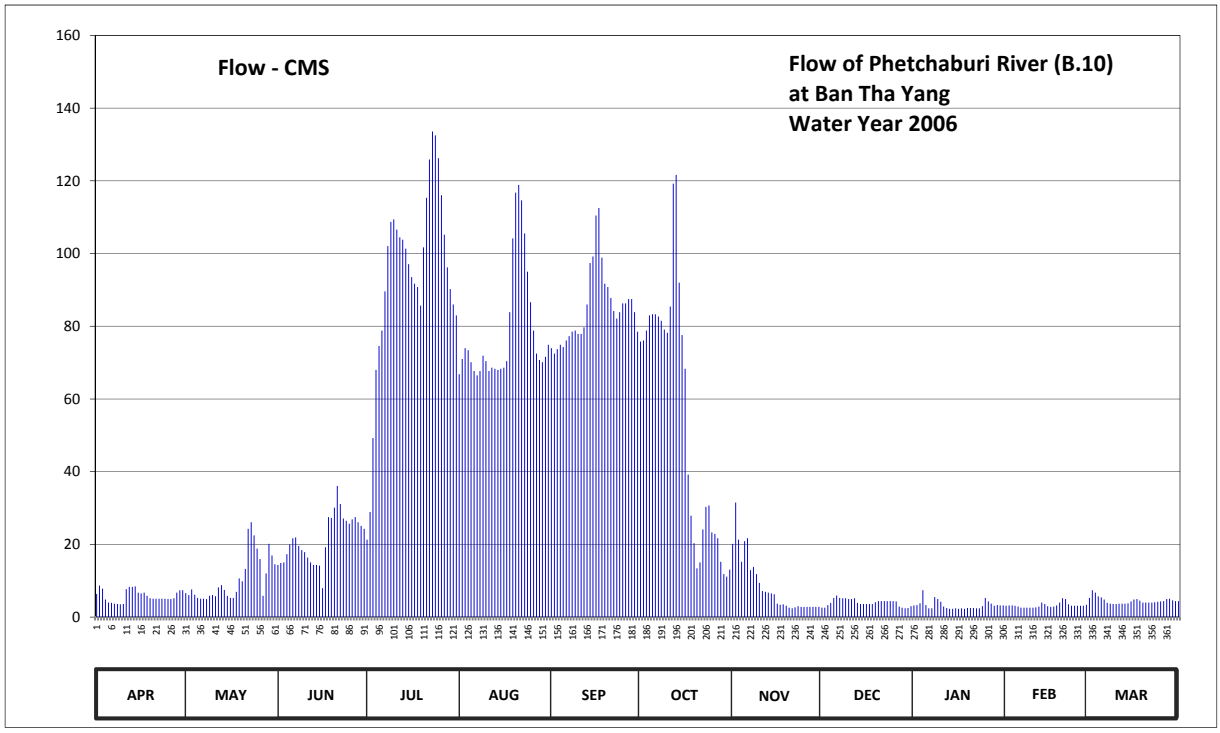
**Location : on left bank at the bridge of Ban Tha Yang.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Yang | **Amphoe** Tha Yang | **Changwat** Phetchaburi |
| **Drainge Area** | 4,076 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +5.625 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 2 meters from the top staff gage. | **Elevation** | +15.068 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1983 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1985 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1985 to date | | |
| **Stability of Channel Regimes** | Rather unstable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Flow regulated by Phet Dam. | | |
| | Stage-discharge relation defined by 75 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.09 | 6.11 | 6.63 | 7.00 | 8.96 | 9.20 | 9.26 | 6.94 | 5.73 | 5.79 | 5.78 | 5.99 | |
| 2 | 6.29 | 6.06 | 6.66 | 7.38 | 9.10 | 9.15 | 9.27 | 7.51 | 5.73 | 5.80 | 5.79 | 6.18 | |
| 3 | 6.22 | 6.20 | 6.67 | 8.33 | 9.20 | 9.19 | 9.36 | 7.00 | 5.80 | 5.85 | 5.79 | 6.12 | |
| 4 | 5.95 | 6.07 | 6.79 | 9.00 | 9.18 | 9.23 | 9.50 | 6.68 | 5.86 | 6.18 | 5.78 | 6.03 | |
| 5 | 5.87 | 5.99 | 6.93 | 9.22 | 9.07 | 9.21 | 9.51 | 6.98 | 5.99 | 5.80 | 5.76 | 6.00 | |
| 6 | 5.86 | 5.97 | 7.02 | 9.36 | 8.99 | 9.27 | 9.51 | 7.02 | 6.05 | 5.71 | 5.73 | 5.95 | |
| 7 | 5.84 | 5.97 | 7.03 | 9.72 | 8.95 | 9.31 | 9.49 | 6.55 | 5.99 | 5.71 | 5.73 | 5.86 | |
| 8 | 5.83 | 5.96 | 6.91 | 10.13 | 8.99 | 9.35 | 9.45 | 6.60 | 5.98 | 6.01 | 5.73 | 5.84 | |
| 9 | 5.82 | 6.04 | 6.85 | 10.32 | 9.13 | 9.36 | 9.37 | 6.49 | 5.98 | 5.96 | 5.73 | 5.83 | |
| 10 | 5.83 | 6.06 | 6.82 | 10.34 | 9.08 | 9.33 | 9.34 | 6.34 | 5.96 | 5.89 | 5.73 | 5.83 | |
| 11 | 6.21 | 6.03 | 6.74 | 10.26 | 8.99 | 9.33 | 9.58 | 6.16 | 5.96 | 5.76 | 5.74 | 5.84 | |
| 12 | 6.26 | 6.25 | 6.67 | 10.20 | 9.02 | 9.39 | 10.62 | 6.14 | 5.98 | 5.72 | 5.76 | 5.84 | |
| 13 | 6.26 | 6.30 | 6.63 | 10.18 | 9.01 | 9.60 | 10.69 | 6.12 | 5.86 | 5.70 | 5.87 | 5.84 | |
| 14 | 6.27 | 6.19 | 6.63 | 10.11 | 9.00 | 9.98 | 9.80 | 6.10 | 5.83 | 5.70 | 5.83 | 5.85 | |
| 15 | 6.12 | 6.04 | 6.62 | 9.97 | 9.01 | 10.04 | 9.32 | 6.08 | 5.83 | 5.71 | 5.77 | 5.90 | |
| 16 | 6.10 | 5.99 | 6.23 | 9.85 | 9.02 | 10.37 | 9.01 | 5.84 | 5.83 | 5.70 | 5.75 | 5.95 | |
| 17 | 6.12 | 5.99 | 6.89 | 9.79 | 9.08 | 10.43 | 7.89 | 5.81 | 5.83 | 5.71 | 5.76 | 5.96 | |
| 18 | 6.04 | 6.14 | 7.31 | 9.76 | 9.53 | 10.03 | 7.33 | 5.82 | 5.83 | 5.70 | 5.79 | 5.92 | |
| 19 | 5.98 | 6.42 | 7.30 | 9.59 | 10.19 | 9.79 | 6.95 | 5.78 | 5.88 | 5.72 | 5.87 | 5.87 | |
| 20 | 5.97 | 6.37 | 7.44 | 10.12 | 10.55 | 9.76 | 6.58 | 5.73 | 5.91 | 5.72 | 5.98 | 5.87 | |
| 21 | 5.97 | 6.57 | 7.74 | 10.51 | 10.61 | 9.66 | 6.67 | 5.71 | 5.91 | 5.72 | 5.96 | 5.87 | |
| 22 | 5.97 | 7.15 | 7.49 | 10.81 | 10.49 | 9.54 | 7.14 | 5.74 | 5.91 | 5.71 | 5.82 | 5.87 | |
| 23 | 5.97 | 7.24 | 7.29 | 11.03 | 10.23 | 9.47 | 7.45 | 5.77 | 5.91 | 5.71 | 5.78 | 5.88 | |
| 24 | 5.97 | 7.06 | 7.26 | 11.00 | 9.90 | 9.53 | 7.47 | 5.75 | 5.91 | 5.77 | 5.78 | 5.89 | |
| 25 | 5.96 | 6.87 | 7.22 | 10.82 | 9.62 | 9.61 | 7.10 | 5.75 | 5.91 | 5.99 | 5.78 | 5.90 | |
| 26 | 5.96 | 6.72 | 7.28 | 10.53 | 9.36 | 9.61 | 7.08 | 5.75 | 5.90 | 5.90 | 5.78 | 5.91 | |
| 27 | 5.98 | 6.04 | 7.31 | 10.22 | 9.15 | 9.65 | 7.02 | 5.75 | 5.76 | 5.84 | 5.78 | 5.96 | |
| 28 | 6.12 | 6.50 | 7.24 | 9.94 | 9.09 | 9.65 | 6.68 | 5.75 | 5.73 | 5.78 | 5.81 | 5.97 | |
| 29 | 6.18 | 6.94 | 7.19 | 9.74 | 9.07 | 9.53 | 6.49 | 5.75 | 5.71 | 5.80 | | 5.93 | |
| 30 | 6.18 | 6.77 | 7.15 | 9.60 | 9.12 | 9.35 | 6.45 | 5.75 | 5.72 | 5.79 | | 5.91 | |
| 31 | | 6.64 | | 9.50 | 9.23 | | 6.56 | | 5.77 | 5.79 | | 5.91 | |
| Mean | 6.04 | 6.34 | 7.00 | 9.82 | 9.35 | 9.56 | 8.32 | 6.17 | 5.87 | 5.79 | 5.79 | 5.92 | |
| Max | 6.29 | 7.24 | 7.74 | 11.03 | 10.61 | 10.43 | 10.69 | 7.51 | 6.05 | 6.18 | 5.98 | 6.18 | 11.03 |
| Min | 5.82 | 5.96 | 6.23 | 7.00 | 8.95 | 9.15 | 6.45 | 5.71 | 5.71 | 5.70 | 5.73 | 5.83 | 5.70 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 11.06 | m. (MSL.) , | at 14.00 Hours , on Jul 23 , 2006 | | |
| Zero Gage at Bottom Elevation | 5.63 | m. (MSL.) , | River Bed | 4.73 | m. (MSL.) |
| Left Bank Elevation | 14.60 | m. (MSL.) , | | | |
| Right Bank Elevation | 14.97 | m. (MSL.) , | Drainage Are | 4,076 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.39 | 6.61 | 14.34 | 21.30 | 66.80 | 74.00 | 75.80 | 20.16 | 2.60 | 3.20 | 3.10 | 5.29 | | |
| 2 | 8.68 | 6.06 | 14.88 | 28.90 | 71.00 | 72.50 | 76.10 | 31.50 | 2.60 | 3.30 | 3.20 | 7.38 | | |
| 3 | 7.84 | 7.60 | 15.06 | 49.25 | 74.00 | 73.70 | 78.80 | 21.30 | 3.30 | 3.80 | 3.20 | 6.72 | | |
| 4 | 4.85 | 6.17 | 17.31 | 68.00 | 73.40 | 74.90 | 83.00 | 15.24 | 3.90 | 7.38 | 3.10 | 5.73 | | |
| 5 | 4.00 | 5.29 | 19.97 | 74.60 | 70.10 | 74.30 | 83.30 | 20.92 | 5.29 | 3.30 | 2.90 | 5.40 | | |
| 6 | 3.90 | 5.07 | 21.70 | 78.80 | 67.70 | 76.10 | 83.30 | 21.70 | 5.95 | 2.40 | 2.60 | 4.85 | | |
| 7 | 3.70 | 5.07 | 21.90 | 89.60 | 66.50 | 77.30 | 82.70 | 12.90 | 5.29 | 2.40 | 2.60 | 3.90 | | |
| 8 | 3.60 | 4.96 | 19.59 | 102.05 | 67.70 | 78.50 | 81.50 | 13.80 | 5.18 | 5.51 | 2.60 | 3.70 | | |
| 9 | 3.50 | 5.84 | 18.45 | 108.70 | 71.90 | 78.80 | 79.10 | 11.83 | 5.18 | 4.96 | 2.60 | 3.60 | | |
| 10 | 3.60 | 6.06 | 17.88 | 109.40 | 70.40 | 77.90 | 78.20 | 9.40 | 4.96 | 4.20 | 2.60 | 3.60 | | |
| 11 | 7.72 | 5.73 | 16.36 | 106.60 | 67.70 | 77.90 | 85.40 | 7.16 | 4.96 | 2.90 | 2.70 | 3.70 | | |
| 12 | 8.32 | 8.20 | 15.06 | 104.50 | 68.60 | 79.70 | 119.20 | 6.94 | 5.18 | 2.50 | 2.90 | 3.70 | | |
| 13 | 8.32 | 8.80 | 14.34 | 103.80 | 68.30 | 86.00 | 121.65 | 6.72 | 3.90 | 2.30 | 4.00 | 3.70 | | |
| 14 | 8.44 | 7.49 | 14.34 | 101.35 | 68.00 | 97.40 | 92.00 | 6.50 | 3.60 | 2.30 | 3.60 | 3.80 | | |
| 15 | 6.72 | 5.84 | 14.16 | 97.10 | 68.30 | 99.20 | 77.60 | 6.28 | 3.60 | 2.40 | 3.00 | 4.30 | | |
| 16 | 6.50 | 5.29 | 7.96 | 93.50 | 68.60 | 110.45 | 68.30 | 3.70 | 3.60 | 2.30 | 2.80 | 4.85 | | |
| 17 | 6.72 | 5.29 | 19.21 | 91.70 | 70.40 | 112.55 | 39.19 | 3.40 | 3.60 | 2.40 | 2.90 | 4.96 | | |
| 18 | 5.84 | 6.94 | 27.50 | 90.80 | 83.90 | 98.90 | 27.90 | 3.50 | 3.60 | 2.30 | 3.20 | 4.52 | | |
| 19 | 5.18 | 10.64 | 27.30 | 85.70 | 104.15 | 91.70 | 20.35 | 3.10 | 4.10 | 2.50 | 4.00 | 4.00 | | |
| 20 | 5.07 | 9.85 | 30.10 | 101.70 | 116.75 | 90.80 | 13.44 | 2.60 | 4.41 | 2.50 | 5.18 | 4.00 | | |
| 21 | 5.07 | 13.26 | 36.10 | 115.35 | 118.85 | 87.80 | 15.06 | 2.40 | 4.41 | 2.50 | 4.96 | 4.00 | | |
| 22 | 5.07 | 24.30 | 31.10 | 125.85 | 114.65 | 84.20 | 24.10 | 2.70 | 4.41 | 2.40 | 3.50 | 4.00 | | |
| 23 | 5.07 | 26.10 | 27.10 | 133.55 | 105.55 | 82.10 | 30.30 | 3.00 | 4.41 | 2.40 | 3.10 | 4.10 | | |
| 24 | 5.07 | 22.50 | 26.50 | 132.50 | 95.00 | 83.90 | 30.70 | 2.80 | 4.41 | 3.00 | 3.10 | 4.20 | | |
| 25 | 4.96 | 18.83 | 25.70 | 126.20 | 86.60 | 86.30 | 23.30 | 2.80 | 4.41 | 5.29 | 3.10 | 4.30 | | |
| 26 | 4.96 | 15.98 | 26.90 | 116.05 | 78.80 | 86.30 | 22.90 | 2.80 | 4.30 | 4.30 | 3.10 | 4.41 | | |
| 27 | 5.18 | 5.84 | 27.50 | 105.20 | 72.50 | 87.50 | 21.70 | 2.80 | 2.90 | 3.70 | 3.10 | 4.96 | | |
| 28 | 6.72 | 12.00 | 26.10 | 96.20 | 70.70 | 87.50 | 15.24 | 2.80 | 2.60 | 3.10 | 3.40 | 5.07 | | |
| 29 | 7.38 | 20.16 | 25.10 | 90.20 | 70.10 | 83.90 | 11.83 | 2.80 | 2.40 | 3.30 | | 4.63 | | |
| 30 | 7.38 | 16.93 | 24.30 | 86.00 | 71.60 | 78.50 | 11.15 | 2.80 | 2.50 | 3.20 | | 4.41 | | |
| 31 | | 14.52 | | 83.00 | 74.90 | | 13.08 | | 3.00 | 3.20 | | 4.41 | | |
| Total | 175.75 | 323.22 | 643.81 | 2917.45 | 2443.45 | 2550.60 | 1686.19 | 256.35 | 124.55 | 101.24 | 90.14 | 140.19 | 11452.94 | CMSDAY |
| Mean | 5.86 | 10.43 | 21.46 | 94.11 | 78.82 | 85.02 | 54.39 | 8.55 | 4.02 | 3.27 | 3.22 | 4.52 | 31.38 | CMS |
| Max | 8.68 | 26.10 | 36.10 | 133.55 | 118.85 | 112.55 | 121.65 | 31.50 | 5.95 | 7.38 | 5.18 | 7.38 | 133.55 | CMS |
| Min | 3.50 | 4.96 | 7.96 | 21.30 | 66.50 | 72.50 | 11.15 | 2.40 | 2.40 | 2.30 | 2.60 | 3.60 | 2.30 | CMS |
| Runoff | 15.18 | 27.93 | 55.63 | 252.07 | 211.11 | 220.37 | 145.69 | 22.15 | 10.76 | 8.75 | 7.79 | 12.11 | 989.53 | MCM |

Momentary Peak 134.60 CMS. at 11.06 m. (MSL.) at 14.00 Hours , on Jul 23 , 2006

Runoff Yield 7.70 Liters/Second/Square KM. Momentary Peak Yield 33.02 Liters/Second/Square KM.

## WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Huai Mae Prachan at Ban Cha Prong, Phetchaburi (B.11)

Lat 13 - 10 - 23 N Long 99 - 41 - 00 E

**Location : on right bank at the bridge of Ban Cha Prong.**

**Ban** Cha Prong **Amphoe** Nong Ya Plong **Changwat** Phetchaburi

| | |
|---|---|
| **Drainge Area** | 461 sq.km. |
| **Type of Gage** | Water - stage recorder |
| **Zero Gage at Bottom** | +72.272 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 45 meters from the top staff gage. **Elevation** +78.722 m. (MSL.) |
| **Gage Reading Frequency** | Recording |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 2000 to date |
| **Rating Operation** | |
| **Period of Rating** | 2000 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2000 to date |
| **Stability of Channel Regimes** | Unstable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 41 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

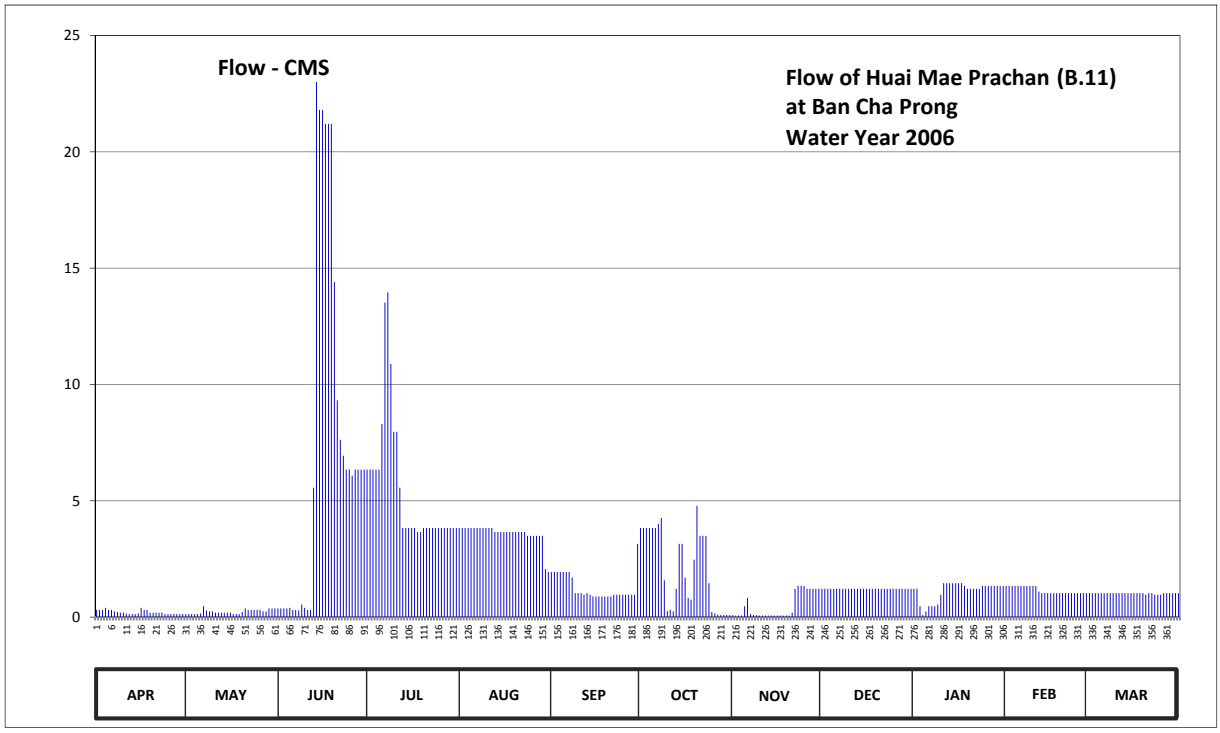
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 71.87 | 71.81 | 71.89 | 72.29 | 72.19 | 72.07 | 72.19 | 71.78 | 72.01 | 72.01 | 72.02 | 71.99 | |
| 2 | 71.87 | 71.81 | 71.89 | 72.29 | 72.19 | 72.07 | 72.19 | 71.77 | 72.01 | 72.01 | 72.02 | 71.99 | |
| 3 | 71.87 | 71.81 | 71.89 | 72.29 | 72.19 | 72.07 | 72.19 | 71.77 | 72.01 | 71.91 | 72.02 | 71.99 | |
| 4 | 71.90 | 71.81 | 71.89 | 72.29 | 72.19 | 72.07 | 72.19 | 71.77 | 72.01 | 71.79 | 72.02 | 71.99 | |
| 5 | 71.87 | 71.81 | 71.90 | 72.29 | 72.19 | 72.07 | 72.19 | 71.91 | 72.01 | 71.85 | 72.02 | 71.99 | |
| 6 | 71.87 | 71.82 | 71.87 | 72.35 | 72.19 | 72.07 | 72.19 | 71.96 | 72.01 | 71.91 | 72.02 | 71.99 | |
| 7 | 71.85 | 71.91 | 71.87 | 72.48 | 72.19 | 72.07 | 72.20 | 71.81 | 72.01 | 71.91 | 72.02 | 71.99 | |
| 8 | 71.84 | 71.86 | 71.86 | 72.49 | 72.19 | 72.05 | 72.21 | 71.79 | 72.01 | 71.91 | 72.02 | 71.99 | |
| 9 | 71.83 | 71.85 | 71.92 | 72.42 | 72.19 | 71.99 | 72.04 | 71.78 | 72.01 | 71.92 | 72.02 | 71.99 | |
| 10 | 71.83 | 71.85 | 71.90 | 72.34 | 72.19 | 71.99 | 71.85 | 71.77 | 72.01 | 71.98 | 72.02 | 71.99 | |
| 11 | 71.82 | 71.83 | 71.87 | 72.34 | 72.19 | 71.99 | 71.87 | 71.77 | 72.01 | 72.03 | 72.02 | 71.99 | |
| 12 | 71.81 | 71.83 | 71.87 | 72.26 | 72.19 | 71.98 | 71.85 | 71.77 | 72.01 | 72.03 | 72.00 | 71.99 | |
| 13 | 71.81 | 71.83 | 72.26 | 72.19 | 72.18 | 71.99 | 72.01 | 71.77 | 72.01 | 72.03 | 71.99 | 71.99 | |
| 14 | 71.81 | 71.83 | 72.65 | 72.19 | 72.18 | 71.98 | 72.15 | 71.77 | 72.01 | 72.03 | 71.99 | 71.99 | |
| 15 | 71.82 | 71.83 | 72.63 | 72.19 | 72.18 | 71.97 | 72.15 | 71.77 | 72.01 | 72.03 | 71.99 | 71.99 | |
| 16 | 71.90 | 71.83 | 72.63 | 72.19 | 72.18 | 71.97 | 72.05 | 71.77 | 72.01 | 72.03 | 71.99 | 71.99 | |
| 17 | 71.87 | 71.81 | 72.62 | 72.19 | 72.18 | 71.97 | 71.96 | 71.77 | 72.01 | 72.03 | 71.99 | 71.99 | |
| 18 | 71.87 | 71.81 | 72.62 | 72.18 | 72.18 | 71.97 | 71.95 | 71.77 | 72.01 | 72.02 | 71.99 | 71.99 | |
| 19 | 71.83 | 71.81 | 72.62 | 72.18 | 72.18 | 71.97 | 72.11 | 71.77 | 72.01 | 72.01 | 71.99 | 71.99 | |
| 20 | 71.83 | 71.84 | 72.50 | 72.19 | 72.18 | 71.97 | 72.23 | 71.77 | 72.01 | 72.01 | 71.99 | 71.98 | |
| 21 | 71.83 | 71.89 | 72.38 | 72.19 | 72.18 | 71.97 | 72.17 | 71.83 | 72.01 | 72.01 | 71.99 | 71.99 | |
| 22 | 71.83 | 71.87 | 72.33 | 72.19 | 72.18 | 71.98 | 72.17 | 72.01 | 72.01 | 72.01 | 71.99 | 71.99 | |
| 23 | 71.83 | 71.87 | 72.31 | 72.19 | 72.18 | 71.98 | 72.17 | 72.02 | 72.01 | 72.01 | 71.99 | 71.98 | |
| 24 | 71.81 | 71.87 | 72.29 | 72.19 | 72.17 | 71.98 | 72.03 | 72.02 | 72.01 | 72.02 | 71.99 | 71.98 | |
| 25 | 71.81 | 71.87 | 72.29 | 72.19 | 72.17 | 71.98 | 71.84 | 72.02 | 72.01 | 72.02 | 71.99 | 71.98 | |
| 26 | 71.81 | 71.87 | 72.28 | 72.19 | 72.17 | 71.98 | 71.82 | 72.01 | 72.01 | 72.02 | 71.99 | 71.99 | |
| 27 | 71.81 | 71.85 | 72.29 | 72.19 | 72.17 | 71.98 | 71.80 | 72.01 | 72.01 | 72.02 | 71.99 | 71.99 | |
| 28 | 71.81 | 71.85 | 72.29 | 72.19 | 72.17 | 71.98 | 71.79 | 72.01 | 72.01 | 72.02 | 71.99 | 71.99 | |
| 29 | 71.81 | 71.89 | 72.29 | 72.19 | 72.17 | 71.98 | 71.79 | 72.01 | 72.01 | 72.02 | | 71.99 | |
| 30 | 71.81 | 71.89 | 72.29 | 72.19 | 72.08 | 72.15 | 71.79 | 72.01 | 72.01 | 72.02 | | 71.99 | |
| 31 | | 71.89 | | 72.19 | 72.07 | | 71.79 | | 72.01 | 72.02 | | 71.99 | |
| Mean | 71.84 | 71.85 | 72.21 | 72.25 | 72.18 | 72.01 | 72.03 | 71.86 | 72.01 | 71.99 | 72.00 | 71.99 | |
| Max | 71.90 | 71.91 | 72.65 | 72.49 | 72.19 | 72.15 | 72.23 | 72.02 | 72.01 | 72.03 | 72.02 | 71.99 | 72.65 |
| Min | 71.81 | 71.81 | 71.86 | 72.18 | 72.07 | 71.97 | 71.79 | 71.77 | 72.01 | 71.79 | 71.99 | 71.98 | 71.77 |

Annual Max Momentary Gage Height 72.69 m. (MSL.) , at 11.00 Hours , on Oct 20 , 2006

Zero Gage at Bottom Elevation 72.27 m. (MSL.) , River Bed 71.27 m. (MSL.)

Left Bank Elevation 79.30 m. (MSL.) ,

Right Bank Elevation 79.15 m. (MSL.) , Drainage Are 461 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.31 | 0.13 | 0.37 | 6.34 | 3.83 | 1.94 | 3.83 | 0.08 | 1.22 | 1.22 | 1.34 | 1.03 | | |
| 2 | 0.31 | 0.13 | 0.37 | 6.34 | 3.83 | 1.94 | 3.83 | 0.07 | 1.22 | 1.22 | 1.34 | 1.03 | | |
| 3 | 0.31 | 0.13 | 0.37 | 6.34 | 3.83 | 1.94 | 3.83 | 0.07 | 1.22 | 0.47 | 1.34 | 1.03 | | |
| 4 | 0.40 | 0.13 | 0.37 | 6.34 | 3.83 | 1.94 | 3.83 | 0.07 | 1.22 | 0.09 | 1.34 | 1.03 | | |
| 5 | 0.31 | 0.13 | 0.40 | 6.34 | 3.83 | 1.94 | 3.83 | 0.47 | 1.22 | 0.25 | 1.34 | 1.03 | | |
| 6 | 0.31 | 0.16 | 0.31 | 8.30 | 3.83 | 1.94 | 3.83 | 0.82 | 1.22 | 0.47 | 1.34 | 1.03 | | |
| 7 | 0.25 | 0.47 | 0.31 | 13.52 | 3.83 | 1.94 | 4.00 | 0.13 | 1.22 | 0.47 | 1.34 | 1.03 | | |
| 8 | 0.22 | 0.28 | 0.28 | 13.96 | 3.83 | 1.70 | 4.26 | 0.09 | 1.22 | 0.47 | 1.34 | 1.03 | | |
| 9 | 0.19 | 0.25 | 0.54 | 10.88 | 3.83 | 1.03 | 1.58 | 0.08 | 1.22 | 0.54 | 1.34 | 1.03 | | |
| 10 | 0.19 | 0.25 | 0.40 | 7.96 | 3.83 | 1.03 | 0.25 | 0.07 | 1.22 | 0.96 | 1.34 | 1.03 | | |
| 11 | 0.16 | 0.19 | 0.31 | 7.96 | 3.83 | 1.03 | 0.31 | 0.07 | 1.22 | 1.46 | 1.34 | 1.03 | | |
| 12 | 0.13 | 0.19 | 0.31 | 5.56 | 3.83 | 0.96 | 0.25 | 0.07 | 1.22 | 1.46 | 1.10 | 1.03 | | |
| 13 | 0.13 | 0.19 | 5.56 | 3.83 | 3.66 | 1.03 | 1.22 | 0.07 | 1.22 | 1.46 | 1.03 | 1.03 | | |
| 14 | 0.13 | 0.19 | 23.00 | 3.83 | 3.66 | 0.96 | 3.15 | 0.07 | 1.22 | 1.46 | 1.03 | 1.03 | | |
| 15 | 0.16 | 0.19 | 21.80 | 3.83 | 3.66 | 0.89 | 3.15 | 0.07 | 1.22 | 1.46 | 1.03 | 1.03 | | |
| 16 | 0.40 | 0.19 | 21.80 | 3.83 | 3.66 | 0.89 | 1.70 | 0.07 | 1.22 | 1.46 | 1.03 | 1.03 | | |
| 17 | 0.31 | 0.13 | 21.20 | 3.83 | 3.66 | 0.89 | 0.82 | 0.07 | 1.22 | 1.46 | 1.03 | 1.03 | | |
| 18 | 0.31 | 0.13 | 21.20 | 3.66 | 3.66 | 0.89 | 0.75 | 0.07 | 1.22 | 1.34 | 1.03 | 1.03 | | |
| 19 | 0.19 | 0.13 | 21.20 | 3.66 | 3.66 | 0.89 | 2.47 | 0.07 | 1.22 | 1.22 | 1.03 | 1.03 | | |
| 20 | 0.19 | 0.22 | 14.40 | 3.83 | 3.66 | 0.89 | 4.78 | 0.07 | 1.22 | 1.22 | 1.03 | 0.96 | | |
| 21 | 0.19 | 0.37 | 9.32 | 3.83 | 3.66 | 0.89 | 3.49 | 0.19 | 1.22 | 1.22 | 1.03 | 1.03 | | |
| 22 | 0.19 | 0.31 | 7.62 | 3.83 | 3.66 | 0.96 | 3.49 | 1.22 | 1.22 | 1.22 | 1.03 | 1.03 | | |
| 23 | 0.19 | 0.31 | 6.94 | 3.83 | 3.66 | 0.96 | 3.49 | 1.34 | 1.22 | 1.22 | 1.03 | 0.96 | | |
| 24 | 0.13 | 0.31 | 6.34 | 3.83 | 3.49 | 0.96 | 1.46 | 1.34 | 1.22 | 1.34 | 1.03 | 0.96 | | |
| 25 | 0.13 | 0.31 | 6.34 | 3.83 | 3.49 | 0.96 | 0.22 | 1.34 | 1.22 | 1.34 | 1.03 | 0.96 | | |
| 26 | 0.13 | 0.31 | 6.08 | 3.83 | 3.49 | 0.96 | 0.16 | 1.22 | 1.22 | 1.34 | 1.03 | 1.03 | | |
| 27 | 0.13 | 0.25 | 6.34 | 3.83 | 3.49 | 0.96 | 0.10 | 1.22 | 1.22 | 1.34 | 1.03 | 1.03 | | |
| 28 | 0.13 | 0.25 | 6.34 | 3.83 | 3.49 | 0.96 | 0.09 | 1.22 | 1.22 | 1.34 | 1.03 | 1.03 | | |
| 29 | 0.13 | 0.37 | 6.34 | 3.83 | 3.49 | 0.96 | 0.09 | 1.22 | 1.22 | 1.34 | | 1.03 | | |
| 30 | 0.13 | 0.37 | 6.34 | 3.83 | 2.06 | 3.15 | 0.09 | 1.22 | 1.22 | 1.34 | | 1.03 | | |
| 31 | | 0.37 | | 3.83 | 1.94 | | 0.09 | | 1.22 | 1.34 | | 1.03 | | |
| Total | 6.39 | 7.34 | 222.50 | 172.27 | 111.16 | 38.38 | 64.44 | 14.18 | 37.82 | 34.54 | 32.32 | 31.65 | 772.99 | CMSDAY |
| Mean | 0.21 | 0.24 | 7.42 | 5.56 | 3.59 | 1.28 | 2.08 | 0.47 | 1.22 | 1.11 | 1.15 | 1.02 | 2.12 | CMS |
| Max | 0.40 | 0.47 | 23.00 | 13.96 | 3.83 | 3.15 | 4.78 | 1.34 | 1.22 | 1.46 | 1.34 | 1.03 | 23.00 | CMS |
| Min | 0.13 | 0.13 | 0.28 | 3.66 | 1.94 | 0.89 | 0.09 | 0.07 | 1.22 | 0.09 | 1.03 | 0.96 | 0.07 | CMS |
| Runoff | 0.55 | 0.63 | 19.22 | 14.88 | 9.60 | 3.32 | 5.57 | 1.23 | 3.27 | 2.98 | 2.79 | 2.73 | 66.79 | MCM |

Momentary Peak 25.40 CMS. at 72.69 m. (MSL.) at 11.00 Hours , on Oct 20 , 2006

Runoff Yield 4.60 Liters/Second/Square KM. Momentary Peak Yield 55.22 Liters/Second/Square KM.

## WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Phetchaburi River at Ban Bo Ta Kuaw, Phetchaburi (B.12)

Lat 12 - 56 - 55 N Long 99 - 51 - 52 E

**Location : on right bank at the bridge of Ban Bo Ta Kuaw.**

**Ban** Bo Ta Kuaw **Amphoe** Tha Yang **Changwat** Phetchaburi

| | |
|---|---|
| **Drainge Area** | - sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +7.500 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the gage site. **Elevation** +16.849 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2005 to date |
| **Rating Operation** | |
| **Period of Rating** | 2005 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2005 to date |
| **Stability of Channel Regimes** | Rather unstable |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 62 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

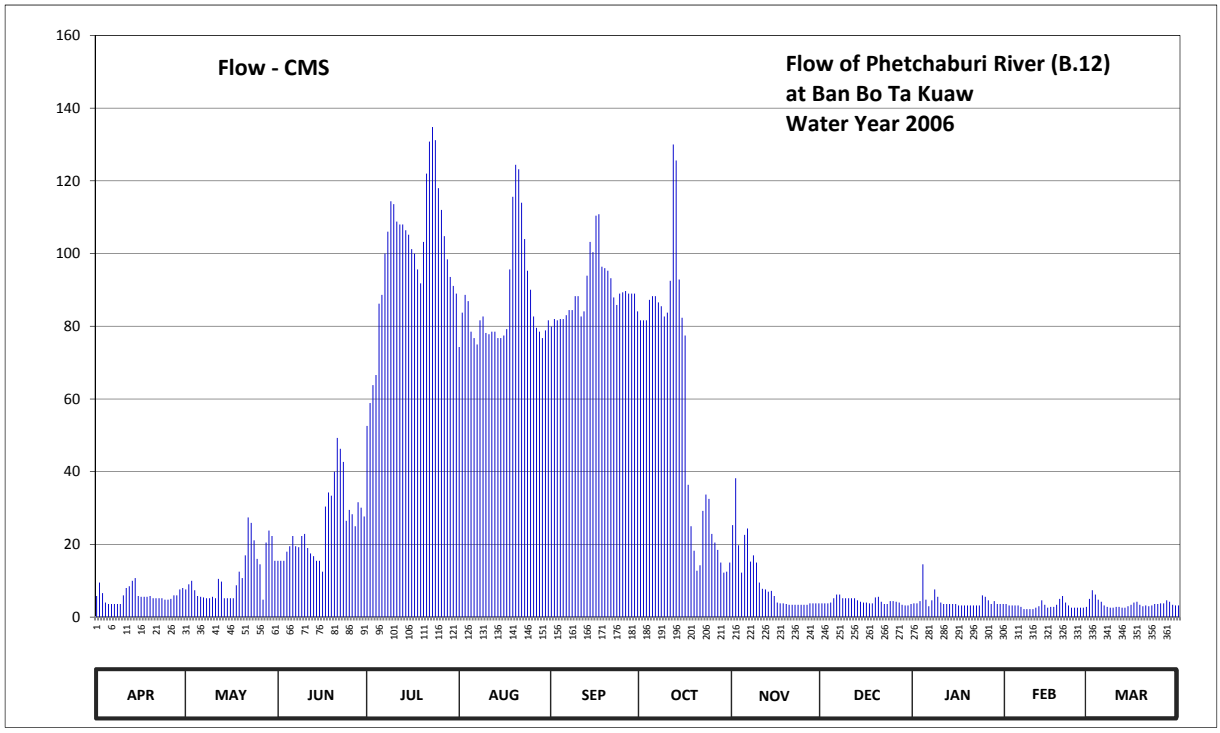
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.09 | 9.18 | 9.50 | 10.76 | 11.38 | 11.54 | 11.59 | 9.86 | 8.99 | 8.99 | 8.98 | 9.05 | |
| 2 | 9.26 | 9.24 | 9.50 | 10.94 | 11.65 | 11.60 | 11.59 | 10.29 | 8.99 | 8.99 | 8.96 | 9.17 | |
| 3 | 9.13 | 9.28 | 9.50 | 11.08 | 11.79 | 11.59 | 11.59 | 9.67 | 8.99 | 9.02 | 8.96 | 9.11 | |
| 4 | 9.00 | 9.17 | 9.60 | 11.16 | 11.74 | 11.60 | 11.75 | 9.37 | 9.00 | 9.46 | 8.96 | 9.04 | |
| 5 | 8.98 | 9.09 | 9.66 | 11.72 | 11.50 | 11.60 | 11.78 | 9.77 | 9.06 | 9.04 | 8.96 | 9.01 | |
| 6 | 8.98 | 9.08 | 9.76 | 11.79 | 11.45 | 11.63 | 11.78 | 9.83 | 9.11 | 8.95 | 8.94 | 8.96 | |
| 7 | 8.98 | 9.07 | 9.66 | 12.10 | 11.40 | 11.67 | 11.73 | 9.49 | 9.11 | 9.03 | 8.91 | 8.94 | |
| 8 | 8.98 | 9.06 | 9.65 | 12.25 | 11.59 | 11.67 | 11.70 | 9.56 | 9.06 | 9.18 | 8.91 | 8.93 | |
| 9 | 8.98 | 9.06 | 9.76 | 12.46 | 11.62 | 11.78 | 11.62 | 9.48 | 9.06 | 9.08 | 8.91 | 8.93 | |
| 10 | 9.10 | 9.08 | 9.78 | 12.44 | 11.49 | 11.78 | 11.65 | 9.26 | 9.06 | 9.00 | 8.91 | 8.94 | |
| 11 | 9.20 | 9.06 | 9.64 | 12.32 | 11.48 | 11.62 | 11.90 | 9.19 | 9.06 | 8.98 | 8.93 | 8.94 | |
| 12 | 9.22 | 9.30 | 9.58 | 12.30 | 11.50 | 11.66 | 12.85 | 9.18 | 9.06 | 8.98 | 8.95 | 8.93 | |
| 13 | 9.28 | 9.27 | 9.55 | 12.30 | 11.50 | 11.94 | 12.74 | 9.15 | 9.03 | 8.98 | 9.03 | 8.93 | |
| 14 | 9.31 | 9.06 | 9.50 | 12.26 | 11.45 | 12.18 | 11.91 | 9.16 | 9.01 | 8.98 | 8.97 | 8.95 | |
| 15 | 9.09 | 9.06 | 9.50 | 12.23 | 11.45 | 12.11 | 11.61 | 9.09 | 9.00 | 8.98 | 8.93 | 8.97 | |
| 16 | 9.08 | 9.06 | 9.38 | 12.13 | 11.47 | 12.36 | 11.47 | 9.00 | 9.00 | 8.96 | 8.94 | 9.00 | |
| 17 | 9.08 | 9.06 | 10.03 | 12.10 | 11.52 | 12.37 | 10.23 | 8.99 | 8.99 | 8.96 | 8.94 | 9.01 | |
| 18 | 9.08 | 9.23 | 10.16 | 11.99 | 11.99 | 12.01 | 9.85 | 8.99 | 8.99 | 8.96 | 8.97 | 8.97 | |
| 19 | 9.09 | 9.38 | 10.13 | 11.88 | 12.49 | 12.00 | 9.61 | 8.98 | 9.07 | 8.96 | 9.05 | 8.95 | |
| 20 | 9.06 | 9.31 | 10.35 | 12.18 | 12.71 | 11.98 | 9.39 | 8.97 | 9.08 | 8.96 | 9.09 | 8.96 | |
| 21 | 9.06 | 9.56 | 10.66 | 12.65 | 12.68 | 11.92 | 9.45 | 8.97 | 9.01 | 8.96 | 9.00 | 8.95 | |
| 22 | 9.06 | 9.93 | 10.56 | 12.87 | 12.45 | 11.77 | 9.99 | 8.97 | 8.98 | 8.96 | 8.96 | 8.96 | |
| 23 | 9.06 | 9.88 | 10.44 | 12.97 | 12.20 | 11.71 | 10.14 | 8.97 | 8.98 | 8.96 | 8.93 | 8.98 | |
| 24 | 9.04 | 9.72 | 9.90 | 12.88 | 11.98 | 11.80 | 10.10 | 8.97 | 9.02 | 9.10 | 8.93 | 8.98 | |
| 25 | 9.04 | 9.52 | 10.00 | 12.55 | 11.83 | 11.81 | 9.78 | 8.97 | 9.02 | 9.08 | 8.93 | 8.99 | |
| 26 | 9.05 | 9.46 | 9.96 | 12.40 | 11.62 | 11.82 | 9.70 | 8.97 | 9.01 | 9.03 | 8.93 | 8.99 | |
| 27 | 9.10 | 9.04 | 9.85 | 12.22 | 11.53 | 11.80 | 9.62 | 8.99 | 9.00 | 8.98 | 8.93 | 9.03 | |
| 28 | 9.10 | 9.70 | 10.07 | 12.06 | 11.50 | 11.80 | 9.48 | 8.99 | 8.97 | 9.02 | 8.94 | 9.01 | |
| 29 | 9.18 | 9.81 | 10.02 | 11.93 | 11.45 | 11.80 | 9.37 | 8.99 | 8.96 | 8.98 | | 8.97 | |
| 30 | 9.20 | 9.76 | 9.94 | 11.86 | 11.51 | 11.66 | 9.38 | 8.99 | 8.96 | 8.98 | | 8.96 | |
| 31 | | 9.50 | | 11.80 | 11.59 | | 9.48 | | 8.98 | 8.98 | | 8.96 | |
| Mean | 9.10 | 9.32 | 9.85 | 12.08 | 11.73 | 11.82 | 10.80 | 9.24 | 9.02 | 9.02 | 8.96 | 8.98 | |
| Max | 9.31 | 9.93 | 10.66 | 12.97 | 12.71 | 12.37 | 12.85 | 10.29 | 9.11 | 9.46 | 9.09 | 9.17 | 12.97 |
| Min | 8.98 | 9.04 | 9.38 | 10.76 | 11.38 | 11.54 | 9.37 | 8.97 | 8.96 | 8.95 | 8.91 | 8.93 | 8.91 |

Annual Max Momentary Gage Height 13.00 m. (MSL.) , at 18.00 Hours , on Oct 12 , 2006

Zero Gage at Bottom Elevation 7.50 m. (MSL.) , River Bed 8.65 m. (MSL.)

Left Bank Elevation 16.34 m. (MSL.) ,

Right Bank Elevation 16.07 m. (MSL.) , Drainage Area Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.80 | 7.60 | 15.50 | 52.60 | 74.30 | 79.90 | 81.65 | 25.30 | 3.80 | 3.80 | 3.60 | 5.00 | | |
| 2 | 9.50 | 9.00 | 15.50 | 58.90 | 83.75 | 82.00 | 81.65 | 38.20 | 3.80 | 3.80 | 3.20 | 7.40 | | |
| 3 | 6.60 | 10.00 | 15.50 | 63.80 | 88.65 | 81.65 | 81.65 | 19.75 | 3.80 | 4.40 | 3.20 | 6.20 | | |
| 4 | 4.00 | 7.40 | 18.00 | 66.60 | 86.90 | 82.00 | 87.25 | 12.25 | 4.00 | 14.50 | 3.20 | 4.80 | | |
| 5 | 3.60 | 5.80 | 19.50 | 86.20 | 78.50 | 82.00 | 88.30 | 22.60 | 5.20 | 4.80 | 3.20 | 4.20 | | |
| 6 | 3.60 | 5.60 | 22.30 | 88.65 | 76.75 | 83.05 | 88.30 | 24.40 | 6.20 | 3.00 | 2.80 | 3.20 | | |
| 7 | 3.60 | 5.40 | 19.50 | 100.00 | 75.00 | 84.45 | 86.55 | 15.25 | 6.20 | 4.60 | 2.20 | 2.80 | | |
| 8 | 3.60 | 5.20 | 19.25 | 106.00 | 81.65 | 84.45 | 85.50 | 17.00 | 5.20 | 7.60 | 2.20 | 2.60 | | |
| 9 | 3.60 | 5.20 | 22.30 | 114.40 | 82.70 | 88.30 | 82.70 | 15.00 | 5.20 | 5.60 | 2.20 | 2.60 | | |
| 10 | 6.00 | 5.60 | 22.90 | 113.60 | 78.15 | 88.30 | 83.75 | 9.50 | 5.20 | 4.00 | 2.20 | 2.80 | | |
| 11 | 8.00 | 5.20 | 19.00 | 108.80 | 77.80 | 82.70 | 92.50 | 7.80 | 5.20 | 3.60 | 2.60 | 2.80 | | |
| 12 | 8.50 | 10.50 | 17.50 | 108.00 | 78.50 | 84.10 | 130.00 | 7.60 | 5.20 | 3.60 | 3.00 | 2.60 | | |
| 13 | 10.00 | 9.75 | 16.75 | 108.00 | 78.50 | 93.90 | 125.60 | 7.00 | 4.60 | 3.60 | 4.60 | 2.60 | | |
| 14 | 10.75 | 5.20 | 15.50 | 106.40 | 76.75 | 103.20 | 92.85 | 7.20 | 4.20 | 3.60 | 3.40 | 3.00 | | |
| 15 | 5.80 | 5.20 | 15.50 | 105.20 | 76.75 | 100.40 | 82.35 | 5.80 | 4.00 | 3.60 | 2.60 | 3.40 | | |
| 16 | 5.60 | 5.20 | 12.50 | 101.20 | 77.45 | 110.40 | 77.45 | 4.00 | 4.00 | 3.20 | 2.80 | 4.00 | | |
| 17 | 5.60 | 5.20 | 30.40 | 100.00 | 79.20 | 110.80 | 36.40 | 3.80 | 3.80 | 3.20 | 2.80 | 4.20 | | |
| 18 | 5.60 | 8.75 | 34.30 | 95.65 | 95.65 | 96.40 | 25.00 | 3.80 | 3.80 | 3.20 | 3.40 | 3.40 | | |
| 19 | 5.80 | 12.50 | 33.40 | 91.80 | 115.60 | 96.00 | 18.25 | 3.60 | 5.40 | 3.20 | 5.00 | 3.00 | | |
| 20 | 5.20 | 10.75 | 40.00 | 103.20 | 124.40 | 95.30 | 12.75 | 3.40 | 5.60 | 3.20 | 5.80 | 3.20 | | |
| 21 | 5.20 | 17.00 | 49.30 | 122.00 | 123.20 | 93.20 | 14.25 | 3.40 | 4.20 | 3.20 | 4.00 | 3.00 | | |
| 22 | 5.20 | 27.40 | 46.30 | 130.80 | 114.00 | 87.95 | 29.20 | 3.40 | 3.60 | 3.20 | 3.20 | 3.20 | | |
| 23 | 5.20 | 25.90 | 42.70 | 134.80 | 104.00 | 85.85 | 33.70 | 3.40 | 3.60 | 3.20 | 2.60 | 3.60 | | |
| 24 | 4.80 | 21.10 | 26.50 | 131.20 | 95.30 | 89.00 | 32.50 | 3.40 | 4.40 | 6.00 | 2.60 | 3.60 | | |
| 25 | 4.80 | 16.00 | 29.50 | 118.00 | 90.05 | 89.35 | 22.90 | 3.40 | 4.40 | 5.60 | 2.60 | 3.80 | | |
| 26 | 5.00 | 14.50 | 28.30 | 112.00 | 82.70 | 89.70 | 20.50 | 3.40 | 4.20 | 4.60 | 2.60 | 3.80 | | |
| 27 | 6.00 | 4.80 | 25.00 | 104.80 | 79.55 | 89.00 | 18.50 | 3.80 | 4.00 | 3.60 | 2.60 | 4.60 | | |
| 28 | 6.00 | 20.50 | 31.60 | 98.40 | 78.50 | 89.00 | 15.00 | 3.80 | 3.40 | 4.40 | 2.80 | 4.20 | | |
| 29 | 7.60 | 23.80 | 30.10 | 93.55 | 76.75 | 89.00 | 12.25 | 3.80 | 3.20 | 3.60 | | 3.40 | | |
| 30 | 8.00 | 22.30 | 27.70 | 91.10 | 78.85 | 84.10 | 12.50 | 3.80 | 3.20 | 3.60 | | 3.20 | | |
| 31 | | 15.50 | | 89.00 | 81.65 | | 15.00 | | 3.60 | 3.60 | | 3.20 | | |
| Total | 178.55 | 353.85 | 762.10 | 3104.65 | 2691.50 | 2695.45 | 1766.75 | 288.85 | 136.20 | 134.70 | 87.00 | 113.40 | 12313.00 | CMSDAY |
| Mean | 5.95 | 11.41 | 25.40 | 100.15 | 86.82 | 89.85 | 56.99 | 9.63 | 4.39 | 4.35 | 3.11 | 3.66 | 33.73 | CMS |
| Max | 10.75 | 27.40 | 49.30 | 134.80 | 124.40 | 110.80 | 130.00 | 38.20 | 6.20 | 14.50 | 5.80 | 7.40 | 134.80 | CMS |
| Min | 3.60 | 4.80 | 12.50 | 52.60 | 74.30 | 79.90 | 12.25 | 3.40 | 3.20 | 3.00 | 2.20 | 2.60 | 2.20 | CMS |
| Runoff | 15.43 | 30.57 | 65.85 | 268.24 | 232.55 | 232.89 | 152.65 | 24.96 | 11.77 | 11.64 | 7.52 | 9.80 | 1063.84 | MCM |

Momentary Peak 136.00 CMS. at 13.00 m. (MSL.) at 18.00 Hours , on Oct 12 , 2006

Runoff Yield ***** Liters/Second/Square KM. Momentary Peak Yield ***** Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Wa Thon at Ban Rai Khlong, Prachuap Khiri Khan (Gt.8)

Lat 11 - 43 - 29 N Long 99 - 43 - 51 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 335 - 336.**

**Ban** Rai Khlong **Amphoe** Mueang **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 44 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +8.865 m. (MSL.) |
| **Bench Mark** | B.M.- H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +14.354 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1979 to date |
| **Rating Operation** | |
| **Period of Rating** | 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1997 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 35 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

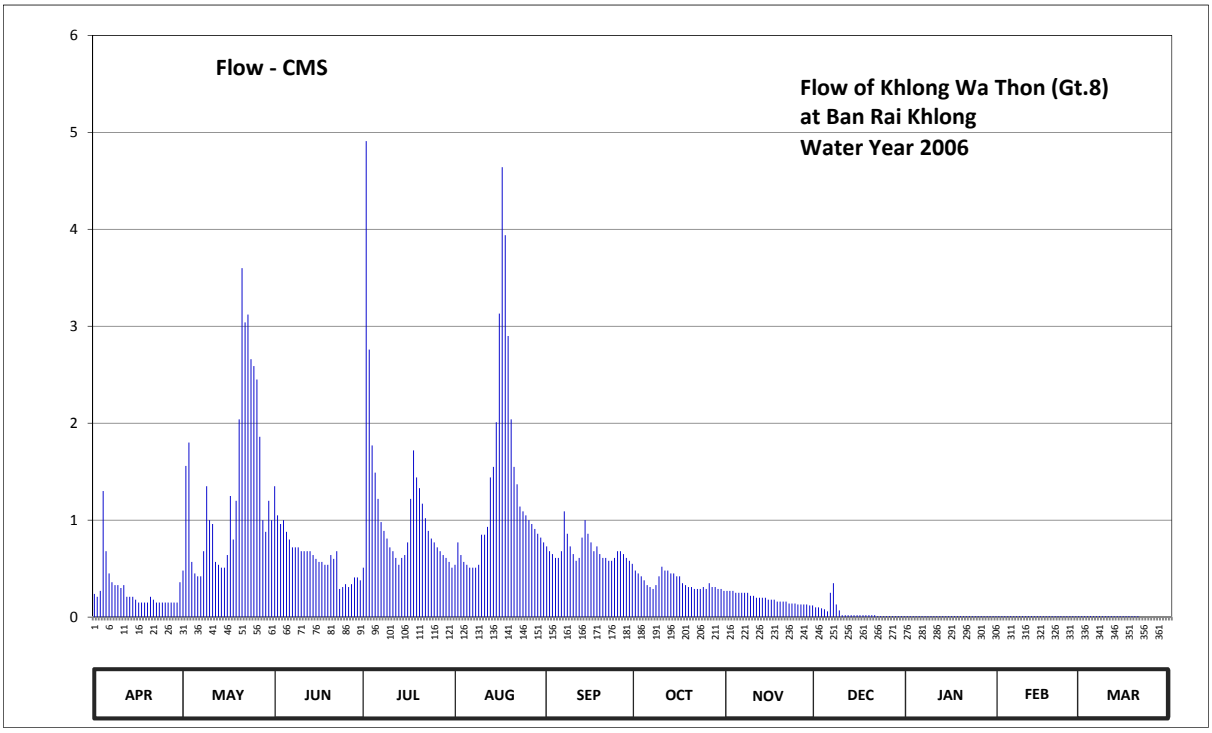
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.97 | 9.02 | 9.23 | 9.26 | 9.27 | 9.21 | 9.14 | 9.06 | 8.97 | 8.87 | 8.83 | 8.83 | |
| 2 | 8.97 | 9.02 | 9.23 | 9.95 | 9.33 | 9.20 | 9.13 | 9.06 | 8.97 | 8.86 | 8.83 | 8.83 | |
| 3 | 8.98 | 9.02 | 9.23 | 9.69 | 9.30 | 9.19 | 9.12 | 9.06 | 8.96 | 8.86 | 8.83 | 8.83 | |
| 4 | 8.99 | 9.02 | 9.27 | 9.53 | 9.28 | 9.18 | 9.11 | 9.05 | 8.95 | 8.86 | 8.83 | 8.83 | |
| 5 | 9.00 | 9.02 | 9.26 | 9.48 | 9.27 | 9.18 | 9.09 | 9.05 | 8.93 | 8.86 | 8.83 | 8.83 | |
| 6 | 9.01 | 9.02 | 9.25 | 9.43 | 9.26 | 9.20 | 9.08 | 9.05 | 9.05 | 8.85 | 8.84 | 8.83 | |
| 7 | 9.02 | 9.01 | 9.24 | 9.38 | 9.26 | 9.29 | 9.07 | 9.05 | 9.10 | 8.85 | 8.85 | 8.83 | |
| 8 | 9.03 | 9.01 | 9.25 | 9.36 | 9.26 | 9.24 | 9.09 | 9.05 | 8.99 | 8.85 | 8.85 | 8.83 | |
| 9 | 9.05 | 9.01 | 9.24 | 9.34 | 9.27 | 9.21 | 9.12 | 9.04 | 8.94 | 8.85 | 8.85 | 8.83 | |
| 10 | 9.05 | 9.01 | 9.24 | 9.32 | 9.35 | 9.19 | 9.15 | 9.04 | 8.88 | 8.84 | 8.85 | 8.83 | |
| 11 | 9.05 | 9.01 | 9.20 | 9.31 | 9.35 | 9.17 | 9.14 | 9.03 | 8.88 | 8.84 | 8.85 | 8.83 | |
| 12 | 9.05 | 9.01 | 9.17 | 9.29 | 9.37 | 9.18 | 9.14 | 9.03 | 8.88 | 8.84 | 8.85 | 8.83 | |
| 13 | 9.05 | 9.02 | 9.17 | 9.27 | 9.47 | 9.23 | 9.13 | 9.03 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 14 | 9.05 | 9.02 | 9.16 | 9.29 | 9.49 | 9.27 | 9.13 | 9.03 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 15 | 9.06 | 9.02 | 9.15 | 9.30 | 9.57 | 9.24 | 9.12 | 9.02 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 16 | 9.06 | 9.02 | 9.15 | 9.33 | 9.74 | 9.22 | 9.12 | 9.02 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 17 | 9.06 | 9.03 | 9.15 | 9.43 | 9.70 | 9.20 | 9.10 | 9.02 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 18 | 9.07 | 9.04 | 9.14 | 9.52 | 9.64 | 9.21 | 9.09 | 9.01 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 19 | 9.07 | 9.05 | 9.14 | 9.47 | 9.54 | 9.19 | 9.08 | 9.01 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 20 | 9.08 | 9.10 | 9.13 | 9.45 | 9.44 | 9.18 | 9.08 | 9.01 | 8.88 | 8.84 | 8.84 | 8.83 | |
| 21 | 9.07 | 9.17 | 9.14 | 9.42 | 9.37 | 9.18 | 9.07 | 9.01 | 8.88 | 8.84 | 8.84 | 8.82 | |
| 22 | 9.07 | 9.20 | 9.17 | 9.39 | 9.34 | 9.17 | 9.07 | 9.00 | 8.87 | 8.84 | 8.84 | 8.82 | |
| 23 | 9.06 | 9.23 | 9.19 | 9.36 | 9.30 | 9.17 | 9.07 | 9.00 | 8.87 | 8.84 | 8.84 | 8.82 | |
| 24 | 9.06 | 9.22 | 9.20 | 9.34 | 9.29 | 9.18 | 9.08 | 9.00 | 8.87 | 8.84 | 8.84 | 8.82 | |
| 25 | 9.05 | 9.20 | 9.21 | 9.33 | 9.28 | 9.20 | 9.07 | 8.99 | 8.87 | 8.84 | 8.84 | 8.82 | |
| 26 | 9.05 | 9.20 | 9.20 | 9.32 | 9.27 | 9.20 | 9.10 | 8.99 | 8.87 | 8.84 | 8.84 | 8.82 | |
| 27 | 9.04 | 9.20 | 9.21 | 9.31 | 9.26 | 9.19 | 9.08 | 8.99 | 8.87 | 8.84 | 8.83 | 8.82 | |
| 28 | 9.04 | 9.23 | 9.23 | 9.30 | 9.25 | 9.18 | 9.08 | 8.99 | 8.87 | 8.84 | 8.83 | 8.82 | |
| 29 | 9.03 | 9.26 | 9.23 | 9.29 | 9.24 | 9.17 | 9.07 | 8.98 | 8.87 | 8.83 | | 8.82 | |
| 30 | 9.02 | 9.24 | 9.22 | 9.28 | 9.23 | 9.16 | 9.07 | 8.98 | 8.87 | 8.83 | | 8.82 | |
| 31 | | 9.23 | | 9.26 | 9.22 | | 9.06 | | 8.87 | 8.83 | | 8.82 | |
| Mean | 9.04 | 9.09 | 9.20 | 9.39 | 9.36 | 9.20 | 9.10 | 9.02 | 8.91 | 8.84 | 8.84 | 8.83 | |
| Max | 9.08 | 9.26 | 9.27 | 9.95 | 9.74 | 9.29 | 9.15 | 9.06 | 9.10 | 8.87 | 8.85 | 8.83 | 9.95 |
| Min | 8.97 | 9.01 | 9.13 | 9.26 | 9.22 | 9.16 | 9.06 | 8.98 | 8.87 | 8.83 | 8.83 | 8.82 | 8.82 |

Annual Max Momentary Gage Height 10.07 m. (MSL.) , at 12.00 Hours , on Jul 2, 2006

Zero Gage at Bottom Elevation 8.87 m. (MSL.) , River Bed 8.69 m. (MSL.)

Left Bank Elevation 13.10 m. (MSL.) ,

Right Bank Elevation 12.87 m. (MSL.) , Drainage Are 44 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.24 | 0.48 | 1.35 | 0.51 | 0.54 | 0.73 | 0.48 | 0.27 | 0.10 | 0.01 | 0.01 | 0.01 | | |
| 2 | 0.21 | 1.56 | 1.05 | 4.91 | 0.77 | 0.68 | 0.45 | 0.27 | 0.10 | 0.01 | 0.01 | 0.01 | | |
| 3 | 0.27 | 1.80 | 0.96 | 2.76 | 0.64 | 0.65 | 0.42 | 0.27 | 0.09 | 0.01 | 0.01 | 0.01 | | |
| 4 | 1.30 | 0.57 | 1.00 | 1.77 | 0.57 | 0.61 | 0.38 | 0.25 | 0.08 | 0.01 | 0.01 | 0.01 | | |
| 5 | 0.68 | 0.45 | 0.88 | 1.49 | 0.54 | 0.61 | 0.33 | 0.25 | 0.06 | 0.01 | 0.01 | 0.01 | | |
| 6 | 0.45 | 0.42 | 0.80 | 1.22 | 0.51 | 0.68 | 0.31 | 0.25 | 0.25 | 0.01 | 0.01 | 0.01 | | |
| 7 | 0.36 | 0.42 | 0.72 | 0.98 | 0.51 | 1.09 | 0.29 | 0.25 | 0.35 | 0.01 | 0.01 | 0.01 | | |
| 8 | 0.33 | 0.68 | 0.72 | 0.89 | 0.51 | 0.86 | 0.33 | 0.25 | 0.13 | 0.01 | 0.01 | 0.01 | | |
| 9 | 0.33 | 1.35 | 0.72 | 0.81 | 0.54 | 0.73 | 0.42 | 0.22 | 0.07 | 0.01 | 0.01 | 0.01 | | |
| 10 | 0.30 | 1.00 | 0.68 | 0.72 | 0.85 | 0.65 | 0.52 | 0.22 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 11 | 0.33 | 0.96 | 0.68 | 0.68 | 0.85 | 0.58 | 0.48 | 0.20 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 12 | 0.21 | 0.57 | 0.68 | 0.61 | 0.93 | 0.61 | 0.48 | 0.20 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 13 | 0.21 | 0.54 | 0.68 | 0.54 | 1.44 | 0.82 | 0.45 | 0.20 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 14 | 0.21 | 0.51 | 0.64 | 0.61 | 1.55 | 1.00 | 0.45 | 0.20 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 15 | 0.18 | 0.51 | 0.60 | 0.64 | 2.01 | 0.86 | 0.42 | 0.18 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 16 | 0.15 | 0.64 | 0.57 | 0.77 | 3.13 | 0.77 | 0.42 | 0.18 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 17 | 0.15 | 1.25 | 0.57 | 1.22 | 4.64 | 0.68 | 0.35 | 0.18 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 18 | 0.15 | 0.80 | 0.54 | 1.72 | 3.94 | 0.73 | 0.33 | 0.16 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 19 | 0.15 | 1.20 | 0.54 | 1.44 | 2.90 | 0.65 | 0.31 | 0.16 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 20 | 0.21 | 2.04 | 0.64 | 1.33 | 2.04 | 0.61 | 0.31 | 0.16 | 0.02 | 0.01 | 0.01 | 0.01 | | |
| 21 | 0.18 | 3.60 | 0.60 | 1.17 | 1.55 | 0.61 | 0.29 | 0.16 | 0.02 | 0.01 | 0.01 | 0.00 | | |
| 22 | 0.15 | 3.04 | 0.68 | 1.02 | 1.37 | 0.58 | 0.29 | 0.14 | 0.01 | 0.01 | 0.01 | 0.00 | | |
| 23 | 0.15 | 3.12 | 0.29 | 0.89 | 1.14 | 0.58 | 0.29 | 0.14 | 0.01 | 0.01 | 0.01 | 0.00 | | |
| 24 | 0.15 | 2.66 | 0.31 | 0.81 | 1.09 | 0.61 | 0.31 | 0.14 | 0.01 | 0.01 | 0.01 | 0.00 | | |
| 25 | 0.15 | 2.59 | 0.34 | 0.77 | 1.05 | 0.68 | 0.29 | 0.13 | 0.01 | 0.01 | 0.01 | 0.00 | | |
| 26 | 0.15 | 2.45 | 0.31 | 0.72 | 1.00 | 0.68 | 0.35 | 0.13 | 0.01 | 0.01 | 0.01 | 0.00 | | |
| 27 | 0.15 | 1.86 | 0.34 | 0.68 | 0.96 | 0.65 | 0.31 | 0.13 | 0.01 | 0.01 | 0.01 | 0.00 | | |
| 28 | 0.15 | 1.00 | 0.41 | 0.64 | 0.91 | 0.61 | 0.31 | 0.13 | 0.01 | 0.01 | 0.01 | 0.00 | | |
| 29 | 0.15 | 0.88 | 0.41 | 0.61 | 0.86 | 0.58 | 0.29 | 0.12 | 0.01 | 0.01 | | 0.00 | | |
| 30 | 0.36 | 1.20 | 0.38 | 0.57 | 0.82 | 0.55 | 0.29 | 0.12 | 0.01 | 0.01 | | 0.00 | | |
| 31 | | 1.00 | | 0.51 | 0.77 | | 0.27 | | 0.01 | 0.01 | | 0.00 | | |
| Total | 8.16 | 41.15 | 19.09 | 34.01 | 40.93 | 20.73 | 11.22 | 5.66 | 1.57 | 0.31 | 0.28 | 0.20 | 183.31 | CMSDAY |
| Mean | 0.27 | 1.33 | 0.64 | 1.10 | 1.32 | 0.69 | 0.36 | 0.19 | 0.05 | 0.01 | 0.01 | 0.01 | 0.50 | CMS |
| Max | 1.30 | 3.60 | 1.35 | 4.91 | 4.64 | 1.09 | 0.52 | 0.27 | 0.35 | 0.01 | 0.01 | 0.01 | 4.91 | CMS |
| Min | 0.15 | 0.42 | 0.29 | 0.51 | 0.51 | 0.55 | 0.27 | 0.12 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | CMS |
| Runoff | 0.71 | 3.56 | 1.65 | 2.94 | 3.54 | 1.79 | 0.97 | 0.49 | 0.14 | 0.03 | 0.02 | 0.02 | 15.84 | MCM |

Momentary Peak 6.07 CMS. at 10.07 m. (MSL.) at 12.00 Hours , on Jul 2, 2006

Runoff Yield 11.39 Liters/Second/Square KM. Momentary Peak Yield 137.61 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Thap Sakae at Ban Klang , Prachuap Khiri Khan (Gt.9)

Lat 11 - 29 - 40 N Long 99 - 36 - 20 E

**Location : on right bank at Ban Klang.**

| | | | |
|---|---|---|---|
| | **Ban** Klang | **Amphoe** Thap Sakae | **Changwat** Prachuap Khiri Khan |
| **Drainge Area** | 125 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +6.840 m. (MSL.) | | |
| **Bench Mark** | B.M.- Highways Dept. | | |
| **Location BM** | On right bank at the abutment of the bridge. | **Elevation** +12.200 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1979 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1980 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1980 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 34 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

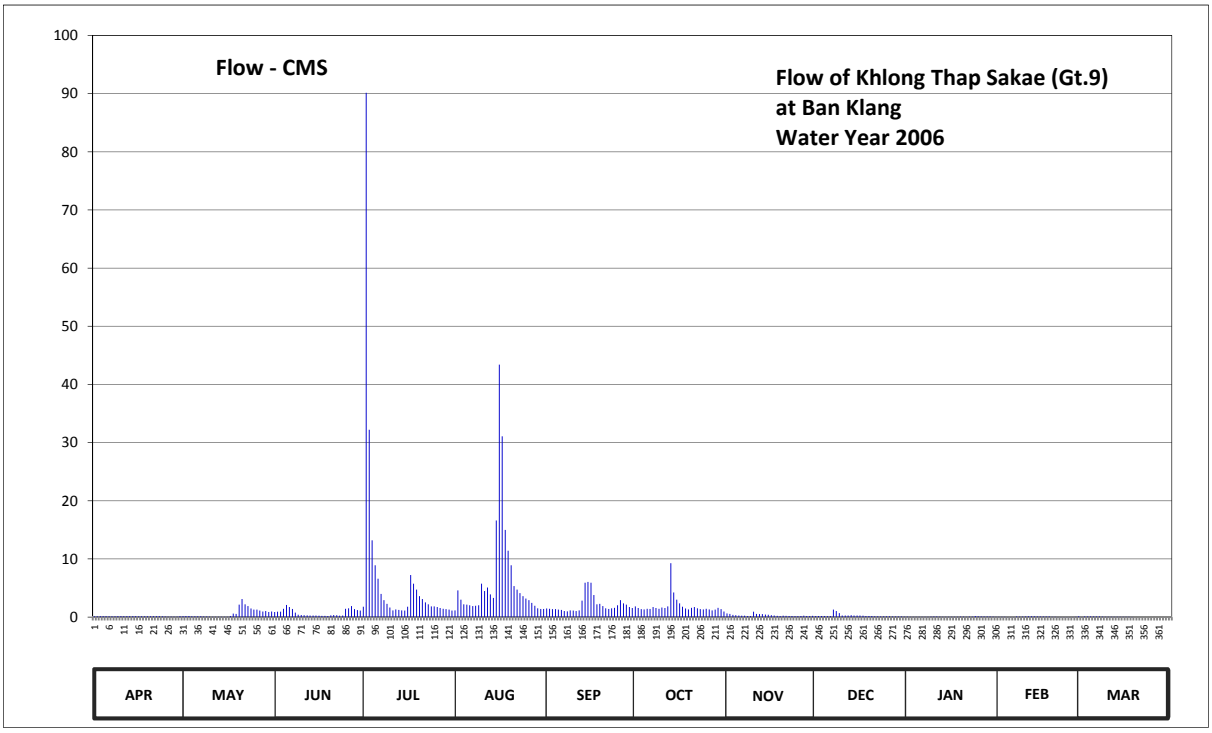
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.56 | 7.57 | 7.82 | 8.03 | 7.89 | 7.97 | 8.04 | 7.76 | 7.60 | 7.51 | 7.47 | 7.45 | |
| 2 | 7.56 | 7.60 | 7.83 | 11.18 | 8.35 | 7.96 | 7.99 | 7.74 | 7.60 | 7.50 | 7.47 | 7.54 | |
| 3 | 7.58 | 7.60 | 7.83 | 9.65 | 8.20 | 7.94 | 7.94 | 7.69 | 7.59 | 7.50 | 7.47 | 7.53 | |
| 4 | 7.57 | 7.56 | 7.96 | 8.86 | 8.10 | 7.94 | 7.93 | 7.66 | 7.59 | 7.50 | 7.46 | 7.53 | |
| 5 | 7.58 | 7.56 | 8.08 | 8.64 | 8.09 | 7.92 | 7.96 | 7.64 | 7.58 | 7.50 | 7.46 | 7.53 | |
| 6 | 7.56 | 7.56 | 8.02 | 8.50 | 8.07 | 7.91 | 7.95 | 7.62 | 7.60 | 7.49 | 7.46 | 7.54 | |
| 7 | 7.56 | 7.56 | 7.95 | 8.30 | 8.05 | 7.86 | 8.02 | 7.62 | 7.92 | 7.50 | 7.53 | 7.54 | |
| 8 | 7.56 | 7.53 | 7.79 | 8.19 | 8.06 | 7.85 | 7.99 | 7.59 | 7.86 | 7.50 | 7.52 | 7.52 | |
| 9 | 7.57 | 7.53 | 7.70 | 8.11 | 8.07 | 7.89 | 7.96 | 7.59 | 7.77 | 7.52 | 7.52 | 7.48 | |
| 10 | 7.57 | 7.51 | 7.68 | 8.01 | 8.44 | 7.88 | 8.01 | 7.83 | 7.64 | 7.54 | 7.54 | 7.48 | |
| 11 | 7.57 | 7.50 | 7.66 | 7.89 | 8.34 | 7.86 | 7.99 | 7.74 | 7.63 | 7.54 | 7.56 | 7.47 | |
| 12 | 7.57 | 7.50 | 7.65 | 7.93 | 8.39 | 7.89 | 8.04 | 7.73 | 7.64 | 7.51 | 7.56 | 7.47 | |
| 13 | 7.57 | 7.50 | 7.64 | 7.91 | 8.29 | 8.18 | 8.66 | 7.73 | 7.66 | 7.50 | 7.55 | 7.47 | |
| 14 | 7.57 | 7.50 | 7.63 | 7.89 | 8.23 | 8.45 | 8.32 | 7.71 | 7.64 | 7.50 | 7.54 | 7.49 | |
| 15 | 7.57 | 7.49 | 7.63 | 7.88 | 9.03 | 8.46 | 8.20 | 7.70 | 7.64 | 7.49 | 7.54 | 7.49 | |
| 16 | 7.56 | 7.49 | 7.62 | 8.03 | 10.00 | 8.45 | 8.12 | 7.67 | 7.63 | 7.49 | 7.54 | 7.49 | |
| 17 | 7.56 | 7.60 | 7.61 | 8.54 | 9.61 | 8.28 | 8.03 | 7.63 | 7.62 | 7.49 | 7.54 | 7.49 | |
| 18 | 7.56 | 7.75 | 7.61 | 8.44 | 8.95 | 8.10 | 7.97 | 7.61 | 7.60 | 7.49 | 7.53 | 7.46 | |
| 19 | 7.56 | 7.74 | 7.60 | 8.36 | 8.77 | 8.11 | 7.93 | 7.60 | 7.59 | 7.51 | 7.50 | 7.42 | |
| 20 | 7.56 | 8.09 | 7.65 | 8.26 | 8.64 | 8.05 | 8.00 | 7.62 | 7.59 | 7.51 | 7.49 | 7.42 | |
| 21 | 7.57 | 8.21 | 7.68 | 8.21 | 8.41 | 7.98 | 8.02 | 7.61 | 7.55 | 7.50 | 7.45 | 7.42 | |
| 22 | 7.57 | 8.10 | 7.66 | 8.14 | 8.36 | 7.95 | 7.98 | 7.60 | 7.55 | 7.51 | 7.44 | 7.42 | |
| 23 | 7.57 | 8.05 | 7.62 | 8.10 | 8.31 | 7.98 | 7.94 | 7.59 | 7.54 | 7.52 | 7.44 | 7.41 | |
| 24 | 7.56 | 7.97 | 7.64 | 8.04 | 8.26 | 8.00 | 7.93 | 7.58 | 7.55 | 7.60 | 7.43 | 7.41 | |
| 25 | 7.53 | 7.92 | 7.96 | 8.04 | 8.22 | 8.07 | 7.96 | 7.58 | 7.56 | 7.55 | 7.43 | 7.41 | |
| 26 | 7.51 | 7.92 | 7.98 | 8.02 | 8.19 | 8.19 | 7.93 | 7.59 | 7.55 | 7.54 | 7.43 | 7.42 | |
| 27 | 7.51 | 7.88 | 8.05 | 7.99 | 8.13 | 8.12 | 7.89 | 7.62 | 7.54 | 7.54 | 7.47 | 7.42 | |
| 28 | 7.51 | 7.84 | 7.94 | 7.96 | 8.06 | 8.09 | 7.92 | 7.59 | 7.54 | 7.54 | 7.55 | 7.40 | |
| 29 | 7.52 | 7.86 | 7.90 | 7.94 | 7.98 | 8.02 | 8.00 | 7.59 | 7.54 | 7.53 | | 7.40 | |
| 30 | 7.57 | 7.82 | 7.88 | 7.92 | 7.95 | 7.99 | 7.94 | 7.61 | 7.53 | 7.51 | | 7.40 | |
| 31 | | 7.84 | | 7.88 | 7.95 | | 7.84 | | 7.51 | 7.48 | | 7.40 | |
| Mean | 7.56 | 7.71 | 7.78 | 8.29 | 8.37 | 8.04 | 8.01 | 7.65 | 7.61 | 7.51 | 7.50 | 7.46 | |
| Max | 7.58 | 8.21 | 8.08 | 11.18 | 10.00 | 8.46 | 8.66 | 7.83 | 7.92 | 7.60 | 7.56 | 7.54 | 11.18 |
| Min | 7.51 | 7.49 | 7.60 | 7.88 | 7.89 | 7.85 | 7.84 | 7.58 | 7.51 | 7.48 | 7.43 | 7.40 | 7.40 |

Annual Max Momentary Gage Height 11.94 m. (MSL.) , at 20.00 Hours , on Jul 2, 2006

Zero Gage at Bottom Elevation 6.84 m. (MSL.) , River Bed 1.25 m. (MSL.)

Left Bank Elevation 12.22 m. (MSL.) ,

Right Bank Elevation 12.25 m. (MSL.) , Drainage Are 125 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.14 | 0.16 | 0.88 | 1.78 | 1.16 | 1.48 | 1.84 | 0.64 | 0.20 | 0.07 | 0.04 | 0.03 | | |
| 2 | 0.14 | 0.20 | 0.92 | 90.15 | 4.60 | 1.44 | 1.56 | 0.56 | 0.20 | 0.05 | 0.04 | 0.11 | | |
| 3 | 0.17 | 0.20 | 0.92 | 32.20 | 3.00 | 1.36 | 1.36 | 0.38 | 0.19 | 0.05 | 0.04 | 0.10 | | |
| 4 | 0.16 | 0.14 | 1.44 | 13.20 | 2.20 | 1.36 | 1.32 | 0.32 | 0.19 | 0.05 | 0.03 | 0.10 | | |
| 5 | 0.17 | 0.14 | 2.08 | 8.92 | 2.14 | 1.28 | 1.44 | 0.28 | 0.17 | 0.05 | 0.03 | 0.10 | | |
| 6 | 0.14 | 0.14 | 1.72 | 6.60 | 2.02 | 1.24 | 1.40 | 0.24 | 0.20 | 0.05 | 0.03 | 0.11 | | |
| 7 | 0.14 | 0.14 | 1.40 | 4.00 | 1.90 | 1.04 | 1.72 | 0.24 | 1.28 | 0.05 | 0.10 | 0.11 | | |
| 8 | 0.14 | 0.10 | 0.76 | 2.92 | 1.96 | 1.00 | 1.56 | 0.19 | 1.04 | 0.05 | 0.08 | 0.08 | | |
| 9 | 0.16 | 0.10 | 0.40 | 2.28 | 2.02 | 1.16 | 1.44 | 0.19 | 0.68 | 0.08 | 0.08 | 0.04 | | |
| 10 | 0.16 | 0.07 | 0.36 | 1.66 | 5.76 | 1.12 | 1.66 | 0.92 | 0.28 | 0.11 | 0.11 | 0.04 | | |
| 11 | 0.16 | 0.05 | 0.32 | 1.16 | 4.48 | 1.04 | 1.56 | 0.56 | 0.26 | 0.11 | 0.14 | 0.04 | | |
| 12 | 0.16 | 0.05 | 0.30 | 1.32 | 5.08 | 1.16 | 1.84 | 0.52 | 0.28 | 0.07 | 0.14 | 0.04 | | |
| 13 | 0.16 | 0.05 | 0.28 | 1.24 | 3.90 | 2.84 | 9.28 | 0.52 | 0.32 | 0.05 | 0.13 | 0.04 | | |
| 14 | 0.16 | 0.05 | 0.26 | 1.16 | 3.30 | 5.90 | 4.24 | 0.44 | 0.28 | 0.05 | 0.11 | 0.05 | | |
| 15 | 0.16 | 0.05 | 0.26 | 1.12 | 16.60 | 6.04 | 3.00 | 0.40 | 0.28 | 0.05 | 0.11 | 0.05 | | |
| 16 | 0.14 | 0.05 | 0.24 | 1.78 | 43.40 | 5.90 | 2.36 | 0.34 | 0.26 | 0.05 | 0.11 | 0.05 | | |
| 17 | 0.14 | 0.20 | 0.22 | 7.24 | 31.08 | 3.80 | 1.78 | 0.26 | 0.24 | 0.05 | 0.11 | 0.05 | | |
| 18 | 0.14 | 0.60 | 0.22 | 5.76 | 15.00 | 2.20 | 1.48 | 0.22 | 0.20 | 0.05 | 0.10 | 0.03 | | |
| 19 | 0.14 | 0.56 | 0.20 | 4.72 | 11.40 | 2.28 | 1.32 | 0.20 | 0.19 | 0.07 | 0.05 | 0.01 | | |
| 20 | 0.14 | 2.14 | 0.30 | 3.60 | 8.92 | 1.90 | 1.60 | 0.24 | 0.19 | 0.07 | 0.05 | 0.01 | | |
| 21 | 0.16 | 3.10 | 0.36 | 3.10 | 5.34 | 1.52 | 1.72 | 0.22 | 0.13 | 0.05 | 0.03 | 0.01 | | |
| 22 | 0.16 | 2.20 | 0.32 | 2.52 | 4.72 | 1.40 | 1.52 | 0.20 | 0.13 | 0.07 | 0.02 | 0.01 | | |
| 23 | 0.16 | 1.90 | 0.24 | 2.20 | 4.12 | 1.52 | 1.36 | 0.19 | 0.11 | 0.08 | 0.02 | 0.01 | | |
| 24 | 0.14 | 1.48 | 0.28 | 1.84 | 3.60 | 1.60 | 1.32 | 0.17 | 0.13 | 0.20 | 0.02 | 0.01 | | |
| 25 | 0.10 | 1.28 | 1.44 | 1.84 | 3.20 | 2.02 | 1.44 | 0.17 | 0.14 | 0.13 | 0.02 | 0.01 | | |
| 26 | 0.07 | 1.28 | 1.52 | 1.72 | 2.92 | 2.92 | 1.32 | 0.19 | 0.13 | 0.11 | 0.02 | 0.01 | | |
| 27 | 0.07 | 1.12 | 1.90 | 1.56 | 2.44 | 2.36 | 1.16 | 0.24 | 0.11 | 0.11 | 0.04 | 0.01 | | |
| 28 | 0.07 | 0.96 | 1.36 | 1.44 | 1.96 | 2.14 | 1.28 | 0.19 | 0.11 | 0.11 | 0.13 | 0.00 | | |
| 29 | 0.08 | 1.04 | 1.20 | 1.36 | 1.52 | 1.72 | 1.60 | 0.19 | 0.11 | 0.10 | | 0.00 | | |
| 30 | 0.16 | 0.88 | 1.12 | 1.28 | 1.40 | 1.56 | 1.36 | 0.22 | 0.10 | 0.07 | | 0.00 | | |
| 31 | | 0.96 | | 1.12 | 1.40 | | 0.96 | | 0.07 | 0.04 | | 0.00 | | |
| Total | 4.19 | 21.39 | 23.22 | 212.79 | 202.54 | 64.30 | 58.80 | 9.64 | 8.20 | 2.30 | 1.93 | 1.26 | 610.56 | CMSDAY |
| Mean | 0.14 | 0.69 | 0.77 | 6.86 | 6.53 | 2.14 | 1.90 | 0.32 | 0.26 | 0.07 | 0.07 | 0.04 | 1.67 | CMS |
| Max | 0.17 | 3.10 | 2.08 | 90.15 | 43.40 | 6.04 | 9.28 | 0.92 | 1.28 | 0.20 | 0.14 | 0.11 | 90.15 | CMS |
| Min | 0.07 | 0.05 | 0.20 | 1.12 | 1.16 | 1.00 | 0.96 | 0.17 | 0.07 | 0.04 | 0.02 | 0.00 | 0.00 | CMS |
| Runoff | 0.36 | 1.85 | 2.01 | 18.39 | 17.50 | 5.56 | 5.08 | 0.83 | 0.71 | 0.20 | 0.17 | 0.11 | 52.75 | MCM |

Momentary Peak 124.92 CMS. at 11.94 m. (MSL.) at 20.00 Hours , on Jul 2, 2006

Runoff Yield 13.35 Liters/Second/Square KM. Momentary Peak Yield 996.89 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Krut at Ban Nong Ya Plong , Prachuap Khiri Khan (Gt.10)

Lat 11 - 24 - 08 N Long 99 - 31 - 18 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 379.**

**Ban** Nong Ya Plong **Amphoe** Bang Saphan **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 113 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +25.364 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +30.539 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1979 to date |
| **Rating Operation** | |
| **Period of Rating** | 1980 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1980 to date |
| **Stability of Channel Regimes** | Rather unstable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 51 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

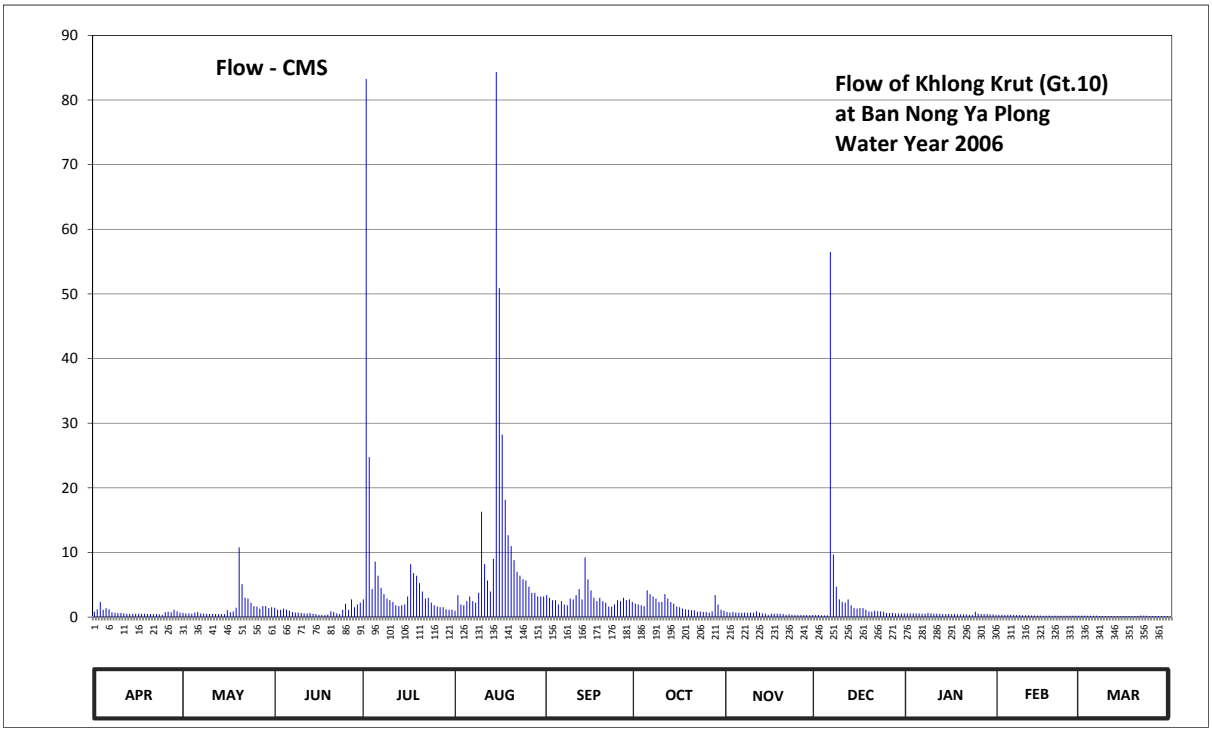
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24.95 | 24.91 | 25.03 | 25.14 | 24.97 | 25.18 | 25.09 | 24.94 | 24.85 | 24.90 | 24.86 | 24.82 | |
| 2 | 25.00 | 24.90 | 24.99 | 27.31 | 25.18 | 25.16 | 25.08 | 24.92 | 24.85 | 24.90 | 24.86 | 24.82 | |
| 3 | 25.11 | 24.90 | 24.99 | 26.01 | 25.08 | 25.13 | 25.07 | 24.94 | 24.84 | 24.90 | 24.86 | 24.82 | |
| 4 | 24.99 | 24.89 | 25.01 | 25.23 | 25.07 | 25.13 | 25.06 | 24.92 | 24.84 | 24.90 | 24.86 | 24.82 | |
| 5 | 25.02 | 24.92 | 24.99 | 25.45 | 25.12 | 25.08 | 25.22 | 24.92 | 24.84 | 24.90 | 24.86 | 24.82 | |
| 6 | 25.00 | 24.94 | 24.97 | 25.34 | 25.17 | 25.12 | 25.19 | 24.91 | 26.80 | 24.89 | 24.86 | 24.82 | |
| 7 | 24.93 | 24.90 | 24.94 | 25.24 | 25.12 | 25.08 | 25.17 | 24.92 | 25.50 | 24.89 | 24.85 | 24.81 | |
| 8 | 24.92 | 24.89 | 24.92 | 25.19 | 25.10 | 25.07 | 25.15 | 24.92 | 25.25 | 24.91 | 24.85 | 24.81 | |
| 9 | 24.91 | 24.89 | 24.92 | 25.15 | 25.20 | 25.15 | 25.11 | 24.92 | 25.14 | 24.90 | 24.84 | 24.81 | |
| 10 | 24.91 | 24.88 | 24.91 | 25.13 | 25.75 | 25.14 | 25.11 | 24.92 | 25.11 | 24.89 | 24.84 | 24.81 | |
| 11 | 24.90 | 24.88 | 24.90 | 25.11 | 25.43 | 25.18 | 25.19 | 24.96 | 25.10 | 24.89 | 24.84 | 24.81 | |
| 12 | 24.89 | 24.88 | 24.90 | 25.07 | 25.30 | 25.23 | 25.15 | 24.92 | 25.14 | 24.89 | 24.83 | 24.81 | |
| 13 | 24.89 | 24.88 | 24.91 | 25.06 | 25.21 | 25.14 | 25.11 | 24.90 | 25.07 | 24.88 | 24.84 | 24.81 | |
| 14 | 24.89 | 24.88 | 24.89 | 25.07 | 25.47 | 25.48 | 25.09 | 24.89 | 25.02 | 24.88 | 24.83 | 24.81 | |
| 15 | 24.89 | 24.88 | 24.88 | 25.08 | 27.33 | 25.31 | 25.05 | 24.86 | 25.01 | 24.88 | 24.83 | 24.81 | |
| 16 | 24.89 | 24.98 | 24.86 | 25.17 | 26.68 | 25.22 | 25.04 | 24.89 | 25.02 | 24.88 | 24.82 | 24.81 | |
| 17 | 24.89 | 24.93 | 24.86 | 25.43 | 26.11 | 25.16 | 25.01 | 24.89 | 25.02 | 24.88 | 24.82 | 24.81 | |
| 18 | 24.89 | 24.96 | 24.86 | 25.36 | 25.81 | 25.12 | 25.00 | 24.89 | 24.99 | 24.87 | 24.83 | 24.81 | |
| 19 | 24.88 | 25.03 | 24.87 | 25.34 | 25.62 | 25.16 | 24.99 | 24.89 | 24.96 | 24.87 | 24.82 | 24.81 | |
| 20 | 24.88 | 25.55 | 24.96 | 25.28 | 25.56 | 25.12 | 24.98 | 24.88 | 24.95 | 24.87 | 24.82 | 24.81 | |
| 21 | 24.88 | 25.27 | 24.94 | 25.21 | 25.46 | 25.10 | 24.98 | 24.86 | 24.97 | 24.87 | 24.82 | 24.83 | |
| 22 | 24.88 | 25.16 | 24.90 | 25.15 | 25.37 | 25.05 | 24.95 | 24.87 | 24.96 | 24.86 | 24.82 | 24.82 | |
| 23 | 24.87 | 25.15 | 24.88 | 25.16 | 25.34 | 25.05 | 24.96 | 24.86 | 24.96 | 24.86 | 24.82 | 24.82 | |
| 24 | 24.86 | 25.10 | 24.99 | 25.10 | 25.31 | 25.08 | 24.94 | 24.86 | 24.95 | 24.95 | 24.82 | 24.81 | |
| 25 | 24.93 | 25.06 | 25.09 | 25.07 | 25.30 | 25.13 | 24.94 | 24.85 | 24.91 | 24.89 | 24.82 | 24.81 | |
| 26 | 24.95 | 25.05 | 24.99 | 25.05 | 25.25 | 25.12 | 24.92 | 24.85 | 24.91 | 24.88 | 24.82 | 24.81 | |
| 27 | 24.93 | 25.01 | 25.14 | 25.04 | 25.20 | 25.16 | 24.96 | 24.85 | 24.91 | 24.88 | 24.82 | 24.81 | |
| 28 | 24.99 | 25.06 | 25.04 | 25.04 | 25.20 | 25.13 | 25.18 | 24.85 | 24.90 | 24.88 | 24.82 | 24.80 | |
| 29 | 24.96 | 25.06 | 25.08 | 25.00 | 25.17 | 25.14 | 25.08 | 24.85 | 24.90 | 24.87 | | 24.80 | |
| 30 | 24.92 | 25.02 | 25.10 | 24.99 | 25.17 | 25.11 | 24.99 | 24.85 | 24.90 | 24.87 | | 24.80 | |
| 31 | | 25.04 | | 24.99 | 25.17 | | 24.97 | | 24.90 | 24.86 | | 24.78 | |
| Mean | 24.93 | 25.00 | 24.96 | 25.26 | 25.43 | 25.15 | 25.06 | 24.89 | 25.05 | 24.89 | 24.84 | 24.81 | |
| Max | 25.11 | 25.55 | 25.14 | 27.31 | 27.33 | 25.48 | 25.22 | 24.96 | 26.80 | 24.95 | 24.86 | 24.83 | 27.33 |
| Min | 24.86 | 24.88 | 24.86 | 24.99 | 24.97 | 25.05 | 24.92 | 24.85 | 24.84 | 24.86 | 24.82 | 24.78 | 24.78 |

Annual Max Momentary Gage Height 28.01 m. (MSL.) , at 18.00 Hours , on Dec 6 , 2006

Zero Gage at Bottom Elevation 25.36 m. (MSL.) , River Bed 24.18 m. (MSL.)

Left Bank Elevation 30.19 m. (MSL.) ,

Right Bank Elevation 29.68 m. (MSL.) , Drainage Are 113 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.85 | 0.63 | 1.46 | 2.74 | 0.98 | 3.38 | 2.09 | 0.79 | 0.32 | 0.57 | 0.35 | 0.21 | | |
| 2 | 1.22 | 0.57 | 1.14 | 83.25 | 3.38 | 3.00 | 1.96 | 0.68 | 0.32 | 0.57 | 0.35 | 0.21 | | |
| 3 | 2.35 | 0.57 | 1.14 | 24.75 | 1.96 | 2.61 | 1.83 | 0.79 | 0.28 | 0.57 | 0.35 | 0.21 | | |
| 4 | 1.14 | 0.52 | 1.30 | 4.33 | 1.83 | 2.61 | 1.70 | 0.68 | 0.28 | 0.57 | 0.35 | 0.21 | | |
| 5 | 1.38 | 0.68 | 1.14 | 8.60 | 2.48 | 1.96 | 4.14 | 0.68 | 0.28 | 0.57 | 0.35 | 0.21 | | |
| 6 | 1.22 | 0.79 | 0.98 | 6.42 | 3.19 | 2.48 | 3.57 | 0.63 | 56.50 | 0.52 | 0.35 | 0.21 | | |
| 7 | 0.74 | 0.57 | 0.79 | 4.52 | 2.48 | 1.96 | 3.19 | 0.68 | 9.68 | 0.52 | 0.32 | 0.18 | | |
| 8 | 0.68 | 0.52 | 0.68 | 3.57 | 2.22 | 1.83 | 2.87 | 0.68 | 4.71 | 0.63 | 0.32 | 0.18 | | |
| 9 | 0.63 | 0.52 | 0.68 | 2.87 | 3.76 | 2.87 | 2.35 | 0.68 | 2.74 | 0.57 | 0.28 | 0.18 | | |
| 10 | 0.63 | 0.46 | 0.63 | 2.61 | 16.32 | 2.74 | 2.35 | 0.68 | 2.35 | 0.52 | 0.28 | 0.18 | | |
| 11 | 0.57 | 0.46 | 0.57 | 2.35 | 8.20 | 3.38 | 3.57 | 0.90 | 2.22 | 0.52 | 0.28 | 0.18 | | |
| 12 | 0.52 | 0.46 | 0.57 | 1.83 | 5.66 | 4.33 | 2.87 | 0.68 | 2.74 | 0.52 | 0.25 | 0.18 | | |
| 13 | 0.52 | 0.46 | 0.63 | 1.70 | 3.95 | 2.74 | 2.35 | 0.57 | 1.83 | 0.46 | 0.28 | 0.18 | | |
| 14 | 0.52 | 0.46 | 0.52 | 1.83 | 9.02 | 9.24 | 2.09 | 0.52 | 1.38 | 0.46 | 0.25 | 0.18 | | |
| 15 | 0.52 | 0.46 | 0.46 | 1.96 | 84.35 | 5.85 | 1.62 | 0.35 | 1.30 | 0.46 | 0.25 | 0.18 | | |
| 16 | 0.52 | 1.06 | 0.35 | 3.19 | 50.90 | 4.14 | 1.54 | 0.52 | 1.38 | 0.46 | 0.21 | 0.18 | | |
| 17 | 0.52 | 0.74 | 0.35 | 8.20 | 28.25 | 3.00 | 1.30 | 0.52 | 1.38 | 0.46 | 0.21 | 0.18 | | |
| 18 | 0.52 | 0.90 | 0.35 | 6.80 | 18.15 | 2.48 | 1.22 | 0.52 | 1.14 | 0.41 | 0.25 | 0.18 | | |
| 19 | 0.46 | 1.46 | 0.41 | 6.42 | 12.68 | 3.00 | 1.14 | 0.52 | 0.90 | 0.41 | 0.21 | 0.18 | | |
| 20 | 0.46 | 10.78 | 0.90 | 5.28 | 11.00 | 2.48 | 1.06 | 0.46 | 0.85 | 0.41 | 0.21 | 0.18 | | |
| 21 | 0.46 | 5.09 | 0.79 | 3.95 | 8.80 | 2.22 | 1.06 | 0.35 | 0.98 | 0.41 | 0.21 | 0.25 | | |
| 22 | 0.46 | 3.00 | 0.57 | 2.87 | 7.00 | 1.62 | 0.85 | 0.41 | 0.90 | 0.35 | 0.21 | 0.21 | | |
| 23 | 0.41 | 2.87 | 0.46 | 3.00 | 6.42 | 1.62 | 0.90 | 0.35 | 0.90 | 0.35 | 0.21 | 0.21 | | |
| 24 | 0.35 | 2.22 | 1.14 | 2.22 | 5.85 | 1.96 | 0.79 | 0.35 | 0.85 | 0.85 | 0.21 | 0.18 | | |
| 25 | 0.74 | 1.70 | 2.09 | 1.83 | 5.66 | 2.61 | 0.79 | 0.32 | 0.63 | 0.52 | 0.21 | 0.18 | | |
| 26 | 0.85 | 1.62 | 1.14 | 1.62 | 4.71 | 2.48 | 0.68 | 0.32 | 0.63 | 0.46 | 0.21 | 0.18 | | |
| 27 | 0.74 | 1.30 | 2.74 | 1.54 | 3.76 | 3.00 | 0.90 | 0.32 | 0.63 | 0.46 | 0.21 | 0.18 | | |
| 28 | 1.14 | 1.70 | 1.54 | 1.54 | 3.76 | 2.61 | 3.38 | 0.32 | 0.57 | 0.46 | 0.21 | 0.14 | | |
| 29 | 0.90 | 1.70 | 1.96 | 1.22 | 3.19 | 2.74 | 1.96 | 0.32 | 0.57 | 0.41 | | 0.14 | | |
| 30 | 0.68 | 1.38 | 2.22 | 1.14 | 3.19 | 2.35 | 1.14 | 0.32 | 0.57 | 0.41 | | 0.14 | | |
| 31 | | 1.54 | | 1.14 | 3.19 | | 0.98 | | 0.57 | 0.35 | | 0.07 | | |
| Total | 22.70 | 47.19 | 29.70 | 205.29 | 326.29 | 89.29 | 58.24 | 15.91 | 100.38 | 15.21 | 7.38 | 5.66 | 923.24 | CMSDAY |
| Mean | 0.76 | 1.52 | 0.99 | 6.62 | 10.53 | 2.98 | 1.88 | 0.53 | 3.24 | 0.49 | 0.26 | 0.18 | 2.53 | CMS |
| Max | 2.35 | 10.78 | 2.74 | 83.25 | 84.35 | 9.24 | 4.14 | 0.90 | 56.50 | 0.85 | 0.35 | 0.25 | 84.35 | CMS |
| Min | 0.35 | 0.46 | 0.35 | 1.14 | 0.98 | 1.62 | 0.68 | 0.32 | 0.28 | 0.35 | 0.21 | 0.07 | 0.07 | CMS |
| Runoff | 1.96 | 4.08 | 2.57 | 17.74 | 28.19 | 7.71 | 5.03 | 1.37 | 8.67 | 1.31 | 0.64 | 0.49 | 79.77 | MCM |

Momentary Peak 126.75 CMS. at 28.01 m. (MSL.) at 18.00 Hours , on Dec 6, 2006

Runoff Yield 22.38 Liters/Second/Square KM. Momentary Peak Yield 1121.68 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Yai at Ban Chang Laek , Prachuap Khiri Khan (Gt.11)

Lat 11 - 03 - 44 N Long 99 - 22 - 30 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 423.**

**Ban** Chang Laek **Amphoe** Bang Saphan Noi **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 61 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +36.380 m. (MSL.) |
| **Bench Mark** | B.M.- Highways Dept. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +37.355 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1979 to date |
| **Rating Operation** | |
| **Period of Rating** | 1980 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1980 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 44 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

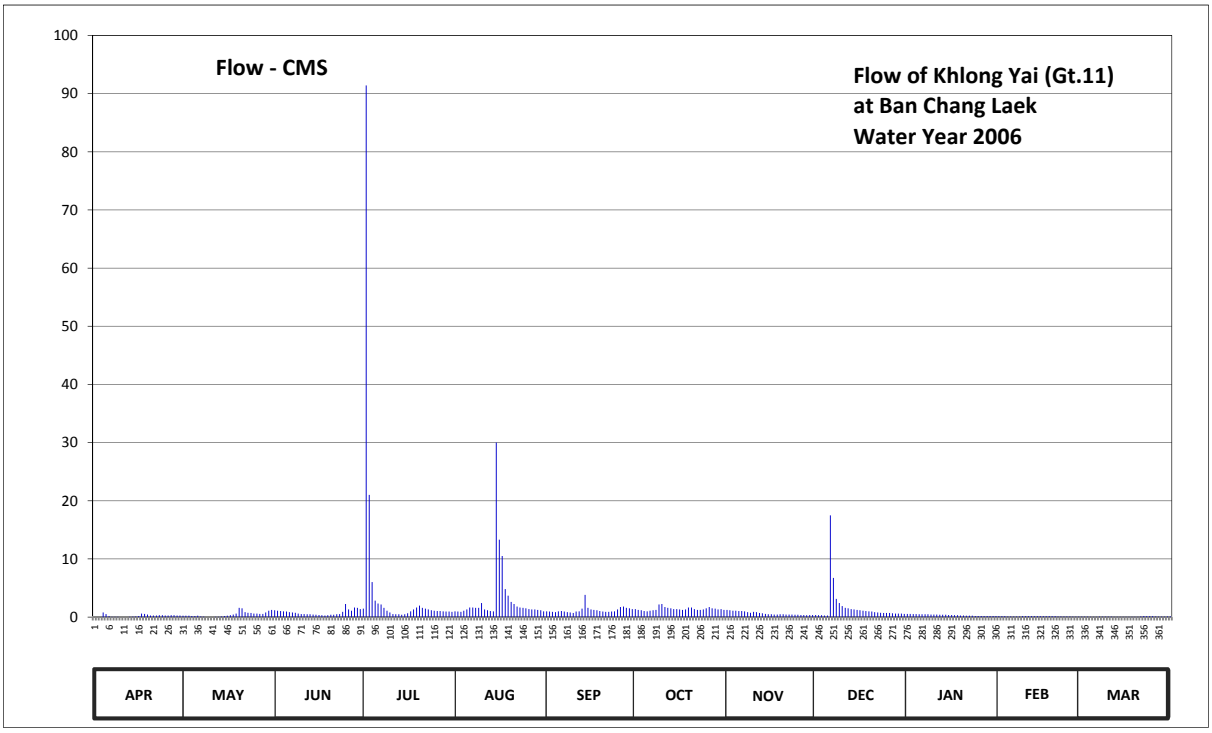
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.41 | 37.51 | 37.71 | 37.75 | 37.68 | 37.68 | 37.74 | 37.72 | 37.54 | 37.59 | 37.49 | 37.47 | |
| 2 | 37.41 | 37.51 | 37.70 | 39.93 | 37.67 | 37.67 | 37.72 | 37.71 | 37.53 | 37.59 | 37.49 | 37.47 | |
| 3 | 37.42 | 37.51 | 37.69 | 38.60 | 37.66 | 37.66 | 37.71 | 37.70 | 37.53 | 37.58 | 37.49 | 37.47 | |
| 4 | 37.64 | 37.50 | 37.68 | 38.08 | 37.70 | 37.65 | 37.69 | 37.70 | 37.52 | 37.58 | 37.48 | 37.46 | |
| 5 | 37.58 | 37.50 | 37.67 | 37.91 | 37.73 | 37.68 | 37.68 | 37.69 | 37.52 | 37.57 | 37.48 | 37.46 | |
| 6 | 37.49 | 37.51 | 37.65 | 37.86 | 37.78 | 37.69 | 37.70 | 37.69 | 38.50 | 37.57 | 37.48 | 37.46 | |
| 7 | 37.46 | 37.48 | 37.64 | 37.84 | 37.78 | 37.67 | 37.71 | 37.68 | 38.11 | 37.57 | 37.48 | 37.47 | |
| 8 | 37.46 | 37.47 | 37.63 | 37.77 | 37.77 | 37.65 | 37.72 | 37.65 | 37.93 | 37.57 | 37.48 | 37.47 | |
| 9 | 37.46 | 37.45 | 37.60 | 37.70 | 37.77 | 37.64 | 37.84 | 37.63 | 37.87 | 37.56 | 37.49 | 37.47 | |
| 10 | 37.45 | 37.45 | 37.58 | 37.64 | 37.87 | 37.62 | 37.85 | 37.66 | 37.81 | 37.56 | 37.49 | 37.47 | |
| 11 | 37.45 | 37.45 | 37.58 | 37.58 | 37.73 | 37.67 | 37.79 | 37.65 | 37.77 | 37.56 | 37.49 | 37.47 | |
| 12 | 37.45 | 37.46 | 37.57 | 37.57 | 37.71 | 37.68 | 37.77 | 37.62 | 37.76 | 37.55 | 37.49 | 37.46 | |
| 13 | 37.46 | 37.46 | 37.57 | 37.57 | 37.69 | 37.75 | 37.76 | 37.61 | 37.74 | 37.55 | 37.49 | 37.46 | |
| 14 | 37.47 | 37.48 | 37.56 | 37.55 | 37.68 | 37.98 | 37.74 | 37.59 | 37.73 | 37.55 | 37.49 | 37.46 | |
| 15 | 37.48 | 37.50 | 37.55 | 37.57 | 38.85 | 37.77 | 37.74 | 37.57 | 37.72 | 37.54 | 37.49 | 37.46 | |
| 16 | 37.50 | 37.51 | 37.54 | 37.61 | 38.36 | 37.73 | 37.73 | 37.57 | 37.71 | 37.54 | 37.49 | 37.46 | |
| 17 | 37.60 | 37.53 | 37.53 | 37.68 | 38.26 | 37.72 | 37.72 | 37.56 | 37.70 | 37.53 | 37.49 | 37.46 | |
| 18 | 37.59 | 37.56 | 37.52 | 37.73 | 38.03 | 37.71 | 37.73 | 37.56 | 37.69 | 37.53 | 37.49 | 37.46 | |
| 19 | 37.56 | 37.60 | 37.53 | 37.78 | 37.97 | 37.69 | 37.78 | 37.57 | 37.68 | 37.52 | 37.49 | 37.46 | |
| 20 | 37.52 | 37.77 | 37.55 | 37.82 | 37.89 | 37.67 | 37.78 | 37.57 | 37.67 | 37.52 | 37.49 | 37.46 | |
| 21 | 37.52 | 37.76 | 37.55 | 37.77 | 37.85 | 37.66 | 37.74 | 37.56 | 37.65 | 37.51 | 37.48 | 37.48 | |
| 22 | 37.52 | 37.65 | 37.57 | 37.75 | 37.80 | 37.66 | 37.72 | 37.56 | 37.64 | 37.51 | 37.48 | 37.50 | |
| 23 | 37.53 | 37.63 | 37.58 | 37.73 | 37.78 | 37.67 | 37.72 | 37.56 | 37.63 | 37.51 | 37.48 | 37.49 | |
| 24 | 37.53 | 37.62 | 37.66 | 37.71 | 37.77 | 37.68 | 37.73 | 37.55 | 37.62 | 37.50 | 37.48 | 37.49 | |
| 25 | 37.52 | 37.60 | 37.85 | 37.70 | 37.76 | 37.73 | 37.76 | 37.55 | 37.62 | 37.50 | 37.48 | 37.49 | |
| 26 | 37.52 | 37.60 | 37.73 | 37.69 | 37.74 | 37.79 | 37.79 | 37.54 | 37.62 | 37.50 | 37.47 | 37.48 | |
| 27 | 37.53 | 37.59 | 37.70 | 37.69 | 37.73 | 37.80 | 37.76 | 37.54 | 37.61 | 37.50 | 37.47 | 37.47 | |
| 28 | 37.53 | 37.59 | 37.78 | 37.68 | 37.73 | 37.77 | 37.75 | 37.53 | 37.60 | 37.50 | 37.47 | 37.47 | |
| 29 | 37.52 | 37.64 | 37.77 | 37.67 | 37.72 | 37.76 | 37.73 | 37.54 | 37.60 | 37.50 | | 37.47 | |
| 30 | 37.52 | 37.70 | 37.74 | 37.67 | 37.71 | 37.74 | 37.74 | 37.54 | 37.60 | 37.50 | | 37.48 | |
| 31 | | 37.72 | | 37.66 | 37.68 | | 37.72 | | 37.59 | 37.50 | | 37.48 | |
| Mean | 37.50 | 37.56 | 37.63 | 37.81 | 37.83 | 37.71 | 37.74 | 37.61 | 37.70 | 37.54 | 37.48 | 37.47 | |
| Max | 37.64 | 37.77 | 37.85 | 39.93 | 38.85 | 37.98 | 37.85 | 37.72 | 38.50 | 37.59 | 37.49 | 37.50 | 39.93 |
| Min | 37.41 | 37.45 | 37.52 | 37.55 | 37.66 | 37.62 | 37.68 | 37.53 | 37.52 | 37.50 | 37.47 | 37.46 | 37.41 |

Annual Max Momentary Gage Height 41.09 m. (MSL.) , at 18.00 Hours , on Jul 2, 2006

Zero Gage at Bottom Elevation 36.38 m. (MSL.) , River Bed 37.13 m. (MSL.)

Left Bank Elevation 44.25 m. (MSL.) ,

Right Bank Elevation 45.35 m. (MSL.) , Drainage Are 61 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.24 | 1.17 | 1.45 | 1.00 | 1.00 | 1.38 | 1.24 | 0.36 | 0.56 | 0.16 | 0.08 | | |
| 2 | 0.00 | 0.24 | 1.10 | 91.40 | 0.95 | 0.95 | 1.24 | 1.17 | 0.32 | 0.56 | 0.16 | 0.08 | | |
| 3 | 0.00 | 0.24 | 1.05 | 21.00 | 0.90 | 0.90 | 1.17 | 1.10 | 0.32 | 0.52 | 0.16 | 0.08 | | |
| 4 | 0.80 | 0.20 | 1.00 | 6.02 | 1.10 | 0.85 | 1.05 | 1.10 | 0.28 | 0.52 | 0.12 | 0.04 | | |
| 5 | 0.52 | 0.20 | 0.95 | 2.84 | 1.31 | 1.00 | 1.00 | 1.05 | 0.28 | 0.48 | 0.12 | 0.04 | | |
| 6 | 0.16 | 0.24 | 0.85 | 2.34 | 1.66 | 1.05 | 1.10 | 1.05 | 17.50 | 0.48 | 0.12 | 0.04 | | |
| 7 | 0.04 | 0.12 | 0.80 | 2.16 | 1.66 | 0.95 | 1.17 | 1.00 | 6.75 | 0.48 | 0.12 | 0.08 | | |
| 8 | 0.04 | 0.08 | 0.75 | 1.59 | 1.59 | 0.85 | 1.24 | 0.85 | 3.12 | 0.48 | 0.12 | 0.08 | | |
| 9 | 0.04 | 0.00 | 0.60 | 1.10 | 1.59 | 0.80 | 2.16 | 0.75 | 2.43 | 0.44 | 0.16 | 0.08 | | |
| 10 | 0.00 | 0.00 | 0.52 | 0.80 | 2.43 | 0.70 | 2.25 | 0.90 | 1.89 | 0.44 | 0.16 | 0.08 | | |
| 11 | 0.00 | 0.00 | 0.52 | 0.52 | 1.31 | 0.95 | 1.73 | 0.85 | 1.59 | 0.44 | 0.16 | 0.08 | | |
| 12 | 0.00 | 0.04 | 0.48 | 0.48 | 1.17 | 1.00 | 1.59 | 0.70 | 1.52 | 0.40 | 0.16 | 0.04 | | |
| 13 | 0.04 | 0.04 | 0.48 | 0.48 | 1.05 | 1.45 | 1.52 | 0.65 | 1.38 | 0.40 | 0.16 | 0.04 | | |
| 14 | 0.08 | 0.12 | 0.44 | 0.40 | 1.00 | 3.82 | 1.38 | 0.56 | 1.31 | 0.40 | 0.16 | 0.04 | | |
| 15 | 0.12 | 0.20 | 0.40 | 0.48 | 30.00 | 1.59 | 1.38 | 0.48 | 1.24 | 0.36 | 0.16 | 0.04 | | |
| 16 | 0.20 | 0.24 | 0.36 | 0.65 | 13.30 | 1.31 | 1.31 | 0.48 | 1.17 | 0.36 | 0.16 | 0.04 | | |
| 17 | 0.60 | 0.32 | 0.32 | 1.00 | 10.50 | 1.24 | 1.24 | 0.44 | 1.10 | 0.32 | 0.16 | 0.04 | | |
| 18 | 0.56 | 0.44 | 0.28 | 1.31 | 4.82 | 1.17 | 1.31 | 0.44 | 1.05 | 0.32 | 0.16 | 0.04 | | |
| 19 | 0.44 | 0.60 | 0.32 | 1.66 | 3.68 | 1.05 | 1.66 | 0.48 | 1.00 | 0.28 | 0.16 | 0.04 | | |
| 20 | 0.28 | 1.59 | 0.40 | 1.98 | 2.61 | 0.95 | 1.66 | 0.48 | 0.95 | 0.28 | 0.16 | 0.04 | | |
| 21 | 0.28 | 1.52 | 0.40 | 1.59 | 2.25 | 0.90 | 1.38 | 0.44 | 0.85 | 0.24 | 0.12 | 0.12 | | |
| 22 | 0.28 | 0.85 | 0.48 | 1.45 | 1.80 | 0.90 | 1.24 | 0.44 | 0.80 | 0.24 | 0.12 | 0.20 | | |
| 23 | 0.32 | 0.75 | 0.52 | 1.31 | 1.66 | 0.95 | 1.24 | 0.44 | 0.75 | 0.24 | 0.12 | 0.16 | | |
| 24 | 0.32 | 0.70 | 0.90 | 1.17 | 1.59 | 1.00 | 1.31 | 0.40 | 0.70 | 0.20 | 0.12 | 0.16 | | |
| 25 | 0.28 | 0.60 | 2.25 | 1.10 | 1.52 | 1.31 | 1.52 | 0.40 | 0.70 | 0.20 | 0.12 | 0.16 | | |
| 26 | 0.28 | 0.60 | 1.31 | 1.05 | 1.38 | 1.73 | 1.73 | 0.36 | 0.70 | 0.20 | 0.08 | 0.12 | | |
| 27 | 0.32 | 0.56 | 1.10 | 1.05 | 1.31 | 1.80 | 1.52 | 0.36 | 0.65 | 0.20 | 0.08 | 0.08 | | |
| 28 | 0.32 | 0.56 | 1.66 | 1.00 | 1.31 | 1.59 | 1.45 | 0.32 | 0.60 | 0.20 | 0.08 | 0.08 | | |
| 29 | 0.28 | 0.80 | 1.59 | 0.95 | 1.24 | 1.52 | 1.31 | 0.36 | 0.60 | 0.20 | | 0.08 | | |
| 30 | 0.28 | 1.10 | 1.38 | 0.95 | 1.17 | 1.38 | 1.38 | 0.36 | 0.60 | 0.20 | | 0.12 | | |
| 31 | | 1.24 | | 0.90 | 1.00 | | 1.24 | | 0.56 | 0.20 | | 0.12 | | |
| Total | 6.88 | 14.43 | 24.38 | 152.18 | 99.86 | 36.66 | 43.86 | 19.65 | 53.07 | 10.84 | 3.84 | 2.52 | 468.17 | CMSDAY |
| Mean | 0.23 | 0.47 | 0.81 | 4.91 | 3.22 | 1.22 | 1.41 | 0.65 | 1.71 | 0.35 | 0.14 | 0.08 | 1.28 | CMS |
| Max | 0.80 | 1.59 | 2.25 | 91.40 | 30.00 | 3.82 | 2.25 | 1.24 | 17.50 | 0.56 | 0.16 | 0.20 | 91.40 | CMS |
| Min | 0.00 | 0.00 | 0.28 | 0.40 | 0.90 | 0.70 | 1.00 | 0.32 | 0.28 | 0.20 | 0.08 | 0.04 | 0.00 | CMS |
| Runoff | 0.59 | 1.25 | 2.11 | 13.15 | 8.63 | 3.17 | 3.79 | 1.70 | 4.59 | 0.94 | 0.33 | 0.22 | 40.45 | MCM |

Momentary Peak 193.80 CMS. at 41.09 m. (MSL.) at 18.00 Hours , on Jul 2, 2006

Runoff Yield 21.03 Liters/Second/Square KM. Momentary Peak Yield 3177.05 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Huai Sai at Ban Suan Son Huai Sai , Prachuap Khiri Khan (Gt.15)

Lat 11 - 40 - 33 N Long 99 - 41 - 44 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 342, Huai Sai.**

**Ban** Suan Son Huai Sai **Amphoe** Mueang **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 25 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +15.860 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the footpath of the bridge. **Elevation** +22.383 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 35 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

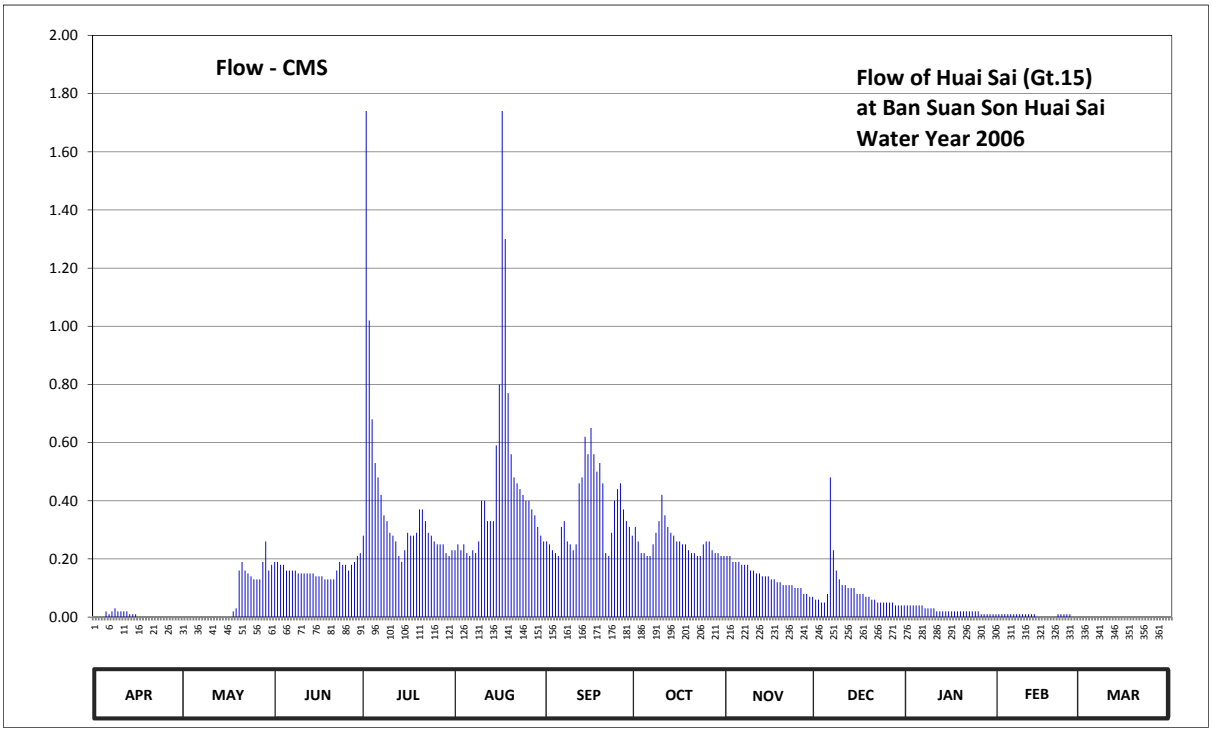
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.64 | 15.60 | 15.83 | 15.89 | 15.86 | 15.88 | 15.91 | 15.84 | 15.72 | 15.70 | 15.66 | 15.63 | |
| 2 | 15.65 | 15.60 | 15.83 | 16.26 | 15.87 | 15.87 | 15.88 | 15.84 | 15.72 | 15.70 | 15.66 | 15.63 | |
| 3 | 15.65 | 15.60 | 15.82 | 16.14 | 15.86 | 15.86 | 15.85 | 15.83 | 15.71 | 15.70 | 15.66 | 15.63 | |
| 4 | 15.65 | 15.60 | 15.82 | 16.06 | 15.87 | 15.85 | 15.85 | 15.83 | 15.71 | 15.70 | 15.66 | 15.63 | |
| 5 | 15.68 | 15.60 | 15.81 | 16.01 | 15.85 | 15.84 | 15.84 | 15.83 | 15.74 | 15.70 | 15.66 | 15.63 | |
| 6 | 15.66 | 15.60 | 15.81 | 15.99 | 15.84 | 15.91 | 15.84 | 15.82 | 15.99 | 15.70 | 15.66 | 15.63 | |
| 7 | 15.68 | 15.60 | 15.81 | 15.96 | 15.86 | 15.92 | 15.87 | 15.82 | 15.86 | 15.69 | 15.66 | 15.63 | |
| 8 | 15.69 | 15.60 | 15.81 | 15.93 | 15.85 | 15.88 | 15.90 | 15.82 | 15.81 | 15.69 | 15.66 | 15.63 | |
| 9 | 15.68 | 15.60 | 15.80 | 15.92 | 15.88 | 15.87 | 15.92 | 15.81 | 15.78 | 15.69 | 15.66 | 15.63 | |
| 10 | 15.68 | 15.60 | 15.80 | 15.90 | 15.95 | 15.86 | 15.96 | 15.81 | 15.76 | 15.69 | 15.66 | 15.63 | |
| 11 | 15.67 | 15.60 | 15.80 | 15.89 | 15.95 | 15.87 | 15.93 | 15.80 | 15.76 | 15.68 | 15.66 | 15.63 | |
| 12 | 15.67 | 15.60 | 15.80 | 15.88 | 15.92 | 15.98 | 15.91 | 15.80 | 15.75 | 15.68 | 15.66 | 15.63 | |
| 13 | 15.66 | 15.60 | 15.80 | 15.84 | 15.92 | 15.99 | 15.90 | 15.79 | 15.75 | 15.68 | 15.66 | 15.63 | |
| 14 | 15.66 | 15.60 | 15.80 | 15.83 | 15.92 | 16.04 | 15.89 | 15.79 | 15.75 | 15.68 | 15.65 | 15.63 | |
| 15 | 15.66 | 15.60 | 15.79 | 15.86 | 16.03 | 16.02 | 15.88 | 15.79 | 15.74 | 15.68 | 15.65 | 15.63 | |
| 16 | 15.65 | 15.60 | 15.79 | 15.90 | 16.10 | 16.05 | 15.88 | 15.78 | 15.74 | 15.67 | 15.65 | 15.63 | |
| 17 | 15.65 | 15.62 | 15.79 | 15.89 | 16.26 | 16.02 | 15.87 | 15.78 | 15.74 | 15.67 | 15.65 | 15.63 | |
| 18 | 15.65 | 15.67 | 15.78 | 15.89 | 16.19 | 16.00 | 15.87 | 15.77 | 15.73 | 15.67 | 15.65 | 15.63 | |
| 19 | 15.64 | 15.69 | 15.78 | 15.90 | 16.09 | 16.01 | 15.86 | 15.77 | 15.73 | 15.67 | 15.65 | 15.63 | |
| 20 | 15.63 | 15.81 | 15.78 | 15.94 | 16.02 | 15.98 | 15.85 | 15.76 | 15.72 | 15.67 | 15.65 | 15.63 | |
| 21 | 15.63 | 15.83 | 15.78 | 15.94 | 15.99 | 15.85 | 15.85 | 15.76 | 15.72 | 15.67 | 15.66 | 15.63 | |
| 22 | 15.63 | 15.81 | 15.81 | 15.92 | 15.98 | 15.84 | 15.84 | 15.76 | 15.71 | 15.67 | 15.66 | 15.63 | |
| 23 | 15.63 | 15.80 | 15.83 | 15.90 | 15.97 | 15.90 | 15.84 | 15.76 | 15.71 | 15.67 | 15.66 | 15.63 | |
| 24 | 15.62 | 15.79 | 15.82 | 15.89 | 15.96 | 15.95 | 15.87 | 15.75 | 15.71 | 15.67 | 15.66 | 15.63 | |
| 25 | 15.62 | 15.78 | 15.82 | 15.88 | 15.95 | 15.97 | 15.88 | 15.75 | 15.71 | 15.67 | 15.66 | 15.63 | |
| 26 | 15.62 | 15.78 | 15.81 | 15.87 | 15.95 | 15.98 | 15.88 | 15.75 | 15.71 | 15.66 | 15.65 | 15.63 | |
| 27 | 15.62 | 15.78 | 15.82 | 15.87 | 15.94 | 15.94 | 15.86 | 15.74 | 15.71 | 15.66 | 15.65 | 15.63 | |
| 28 | 15.62 | 15.83 | 15.83 | 15.87 | 15.93 | 15.92 | 15.85 | 15.74 | 15.70 | 15.66 | 15.63 | 15.63 | |
| 29 | 15.61 | 15.88 | 15.84 | 15.85 | 15.91 | 15.91 | 15.85 | 15.73 | 15.70 | 15.66 | | 15.63 | |
| 30 | 15.61 | 15.81 | 15.85 | 15.84 | 15.89 | 15.89 | 15.84 | 15.73 | 15.70 | 15.66 | | 15.63 | |
| 31 | | 15.82 | | 15.86 | 15.88 | | 15.84 | | 15.70 | 15.66 | | 15.63 | |
| Mean | 15.65 | 15.69 | 15.81 | 15.92 | 15.95 | 15.93 | 15.87 | 15.78 | 15.74 | 15.68 | 15.66 | 15.63 | |
| Max | 15.69 | 15.88 | 15.85 | 16.26 | 16.26 | 16.05 | 15.96 | 15.84 | 15.99 | 15.70 | 15.66 | 15.63 | 16.26 |
| Min | 15.61 | 15.60 | 15.78 | 15.83 | 15.84 | 15.84 | 15.84 | 15.73 | 15.70 | 15.66 | 15.63 | 15.63 | 15.60 |

Annual Max Momentary Gage Height 16.41 m. (MSL.) , at 12.00 Hours , on Jul 2, 2006

Zero Gage at Bottom Elevation 15.86 m. (MSL.) , River Bed 15.42 m. (MSL.)

Left Bank Elevation 21.87 m. (MSL.) ,

Right Bank Elevation 19.15 m. (MSL.) , Drainage Are 25 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.19 | 0.28 | 0.23 | 0.26 | 0.31 | 0.21 | 0.06 | 0.04 | 0.01 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.19 | 1.74 | 0.25 | 0.25 | 0.26 | 0.21 | 0.06 | 0.04 | 0.01 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.18 | 1.02 | 0.23 | 0.23 | 0.22 | 0.19 | 0.05 | 0.04 | 0.01 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.18 | 0.68 | 0.25 | 0.22 | 0.22 | 0.19 | 0.05 | 0.04 | 0.01 | 0.00 | | |
| 5 | 0.02 | 0.00 | 0.16 | 0.53 | 0.22 | 0.21 | 0.21 | 0.19 | 0.08 | 0.04 | 0.01 | 0.00 | | |
| 6 | 0.01 | 0.00 | 0.16 | 0.48 | 0.21 | 0.31 | 0.21 | 0.18 | 0.48 | 0.04 | 0.01 | 0.00 | | |
| 7 | 0.02 | 0.00 | 0.16 | 0.42 | 0.23 | 0.33 | 0.25 | 0.18 | 0.23 | 0.03 | 0.01 | 0.00 | | |
| 8 | 0.03 | 0.00 | 0.16 | 0.35 | 0.22 | 0.26 | 0.29 | 0.18 | 0.16 | 0.03 | 0.01 | 0.00 | | |
| 9 | 0.02 | 0.00 | 0.15 | 0.33 | 0.26 | 0.25 | 0.33 | 0.16 | 0.13 | 0.03 | 0.01 | 0.00 | | |
| 10 | 0.02 | 0.00 | 0.15 | 0.29 | 0.40 | 0.23 | 0.42 | 0.16 | 0.11 | 0.03 | 0.01 | 0.00 | | |
| 11 | 0.02 | 0.00 | 0.15 | 0.28 | 0.40 | 0.25 | 0.35 | 0.15 | 0.11 | 0.02 | 0.01 | 0.00 | | |
| 12 | 0.02 | 0.00 | 0.15 | 0.26 | 0.33 | 0.46 | 0.31 | 0.15 | 0.10 | 0.02 | 0.01 | 0.00 | | |
| 13 | 0.01 | 0.00 | 0.15 | 0.21 | 0.33 | 0.48 | 0.29 | 0.14 | 0.10 | 0.02 | 0.01 | 0.00 | | |
| 14 | 0.01 | 0.00 | 0.15 | 0.19 | 0.33 | 0.62 | 0.28 | 0.14 | 0.10 | 0.02 | 0.00 | 0.00 | | |
| 15 | 0.01 | 0.00 | 0.14 | 0.23 | 0.59 | 0.56 | 0.26 | 0.14 | 0.08 | 0.02 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.14 | 0.29 | 0.80 | 0.65 | 0.26 | 0.13 | 0.08 | 0.02 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.14 | 0.28 | 1.74 | 0.56 | 0.25 | 0.13 | 0.08 | 0.02 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.02 | 0.13 | 0.28 | 1.30 | 0.50 | 0.25 | 0.12 | 0.07 | 0.02 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.03 | 0.13 | 0.29 | 0.77 | 0.53 | 0.23 | 0.12 | 0.07 | 0.02 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.16 | 0.13 | 0.37 | 0.56 | 0.46 | 0.22 | 0.11 | 0.06 | 0.02 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.19 | 0.13 | 0.37 | 0.48 | 0.22 | 0.22 | 0.11 | 0.06 | 0.02 | 0.01 | 0.00 | | |
| 22 | 0.00 | 0.16 | 0.16 | 0.33 | 0.46 | 0.21 | 0.21 | 0.11 | 0.05 | 0.02 | 0.01 | 0.00 | | |
| 23 | 0.00 | 0.15 | 0.19 | 0.29 | 0.44 | 0.29 | 0.21 | 0.11 | 0.05 | 0.02 | 0.01 | 0.00 | | |
| 24 | 0.00 | 0.14 | 0.18 | 0.28 | 0.42 | 0.40 | 0.25 | 0.10 | 0.05 | 0.02 | 0.01 | 0.00 | | |
| 25 | 0.00 | 0.13 | 0.18 | 0.26 | 0.40 | 0.44 | 0.26 | 0.10 | 0.05 | 0.02 | 0.01 | 0.00 | | |
| 26 | 0.00 | 0.13 | 0.16 | 0.25 | 0.40 | 0.46 | 0.26 | 0.10 | 0.05 | 0.01 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.13 | 0.18 | 0.25 | 0.37 | 0.37 | 0.23 | 0.08 | 0.05 | 0.01 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.19 | 0.19 | 0.25 | 0.35 | 0.33 | 0.22 | 0.08 | 0.04 | 0.01 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.26 | 0.21 | 0.22 | 0.31 | 0.31 | 0.22 | 0.07 | 0.04 | 0.01 | | 0.00 | | |
| 30 | 0.00 | 0.16 | 0.22 | 0.21 | 0.28 | 0.28 | 0.21 | 0.07 | 0.04 | 0.01 | | 0.00 | | |
| 31 | | 0.18 | | 0.23 | 0.26 | | 0.21 | | 0.04 | 0.01 | | 0.00 | | |
| Total | 0.19 | 2.03 | 4.89 | 11.74 | 13.82 | 10.93 | 7.92 | 4.11 | 2.78 | 0.72 | 0.18 | 0.00 | 59.31 | CMSDAY |
| Mean | 0.01 | 0.07 | 0.16 | 0.38 | 0.45 | 0.36 | 0.26 | 0.14 | 0.09 | 0.02 | 0.01 | 0.00 | 0.16 | CMS |
| Max | 0.03 | 0.26 | 0.22 | 1.74 | 1.74 | 0.65 | 0.42 | 0.21 | 0.48 | 0.04 | 0.01 | 0.00 | 1.74 | CMS |
| Min | 0.00 | 0.00 | 0.13 | 0.19 | 0.21 | 0.21 | 0.21 | 0.07 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 0.02 | 0.18 | 0.42 | 1.01 | 1.19 | 0.94 | 0.68 | 0.36 | 0.24 | 0.06 | 0.02 | 0.00 | 5.12 | MCM |

Momentary Peak 2.73 CMS. at 16.41 m. (MSL.) at 12.00 Hours , on Jul 2, 2006

Runoff Yield 6.50 Liters/Second/Square KM. Momentary Peak Yield 109.20 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Hin Chuang at Ban Hin Chuang , Prachuap Khiri Khan (Gt.16)

Lat 11 - 39 - 57 N Long 99 - 41 - 18 E

**Location : on right bank at the abutment of the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Hin Chuang | **Amphoe** Mueang | **Changwat** Prachuap Khiri Khan |
| **Drainge Area** | 48 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +10.873 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the abutment of the bridge. | **Elevation** | +17.808 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1987 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1987 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1987 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 42 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

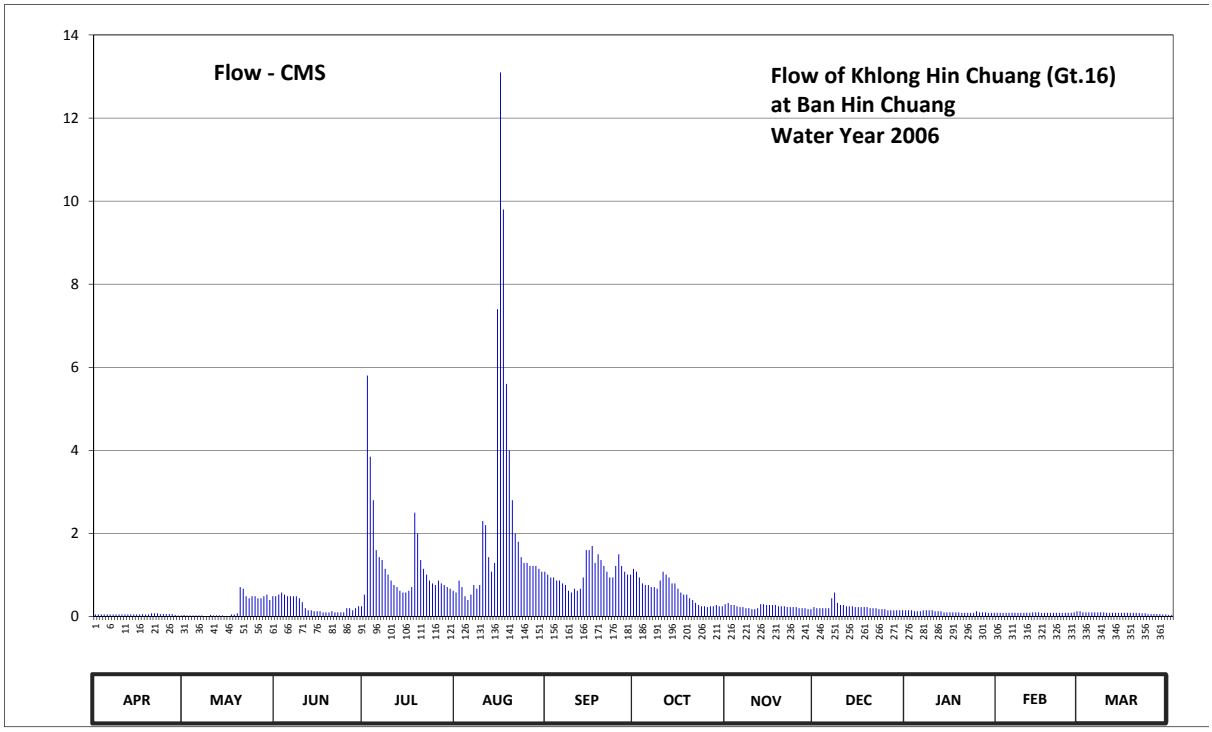
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.56 | 11.55 | 11.73 | 11.74 | 11.75 | 11.83 | 11.84 | 11.69 | 11.64 | 11.62 | 11.59 | 11.60 | |
| 2 | 11.56 | 11.54 | 11.74 | 12.19 | 11.81 | 11.82 | 11.82 | 11.67 | 11.64 | 11.62 | 11.59 | 11.60 | |
| 3 | 11.56 | 11.54 | 11.75 | 12.09 | 11.78 | 11.82 | 11.80 | 11.67 | 11.64 | 11.61 | 11.59 | 11.60 | |
| 4 | 11.56 | 11.54 | 11.74 | 12.02 | 11.73 | 11.81 | 11.79 | 11.66 | 11.64 | 11.61 | 11.59 | 11.60 | |
| 5 | 11.56 | 11.54 | 11.73 | 11.91 | 11.71 | 11.81 | 11.79 | 11.65 | 11.64 | 11.61 | 11.59 | 11.60 | |
| 6 | 11.56 | 11.54 | 11.73 | 11.89 | 11.74 | 11.80 | 11.78 | 11.65 | 11.72 | 11.62 | 11.59 | 11.60 | |
| 7 | 11.56 | 11.54 | 11.73 | 11.88 | 11.79 | 11.79 | 11.78 | 11.64 | 11.75 | 11.62 | 11.59 | 11.60 | |
| 8 | 11.56 | 11.53 | 11.73 | 11.85 | 11.77 | 11.76 | 11.77 | 11.64 | 11.69 | 11.62 | 11.59 | 11.60 | |
| 9 | 11.56 | 11.53 | 11.72 | 11.83 | 11.79 | 11.75 | 11.81 | 11.63 | 11.67 | 11.62 | 11.59 | 11.59 | |
| 10 | 11.56 | 11.55 | 11.70 | 11.81 | 11.98 | 11.77 | 11.84 | 11.63 | 11.67 | 11.61 | 11.59 | 11.59 | |
| 11 | 11.56 | 11.54 | 11.64 | 11.79 | 11.97 | 11.76 | 11.83 | 11.64 | 11.66 | 11.61 | 11.59 | 11.59 | |
| 12 | 11.56 | 11.54 | 11.62 | 11.78 | 11.89 | 11.77 | 11.82 | 11.68 | 11.66 | 11.61 | 11.60 | 11.59 | |
| 13 | 11.56 | 11.54 | 11.62 | 11.76 | 11.84 | 11.82 | 11.80 | 11.68 | 11.66 | 11.60 | 11.60 | 11.59 | |
| 14 | 11.56 | 11.54 | 11.61 | 11.75 | 11.87 | 11.91 | 11.80 | 11.67 | 11.65 | 11.60 | 11.60 | 11.59 | |
| 15 | 11.56 | 11.53 | 11.61 | 11.75 | 12.27 | 11.91 | 11.77 | 11.67 | 11.65 | 11.60 | 11.59 | 11.59 | |
| 16 | 11.56 | 11.53 | 11.61 | 11.76 | 12.47 | 11.92 | 11.75 | 11.67 | 11.65 | 11.60 | 11.59 | 11.59 | |
| 17 | 11.57 | 11.56 | 11.60 | 11.78 | 12.36 | 11.87 | 11.74 | 11.67 | 11.65 | 11.60 | 11.59 | 11.59 | |
| 18 | 11.56 | 11.56 | 11.60 | 12.00 | 12.18 | 11.90 | 11.74 | 11.66 | 11.65 | 11.60 | 11.59 | 11.59 | |
| 19 | 11.56 | 11.58 | 11.60 | 11.95 | 12.10 | 11.88 | 11.72 | 11.66 | 11.64 | 11.59 | 11.59 | 11.59 | |
| 20 | 11.58 | 11.78 | 11.61 | 11.88 | 12.02 | 11.86 | 11.71 | 11.66 | 11.64 | 11.59 | 11.59 | 11.59 | |
| 21 | 11.58 | 11.77 | 11.60 | 11.85 | 11.95 | 11.84 | 11.69 | 11.65 | 11.64 | 11.59 | 11.59 | 11.58 | |
| 22 | 11.58 | 11.73 | 11.60 | 11.83 | 11.93 | 11.82 | 11.67 | 11.65 | 11.63 | 11.59 | 11.59 | 11.58 | |
| 23 | 11.57 | 11.72 | 11.60 | 11.81 | 11.89 | 11.82 | 11.66 | 11.65 | 11.63 | 11.59 | 11.59 | 11.57 | |
| 24 | 11.57 | 11.73 | 11.60 | 11.80 | 11.87 | 11.86 | 11.66 | 11.65 | 11.63 | 11.61 | 11.59 | 11.57 | |
| 25 | 11.57 | 11.73 | 11.64 | 11.79 | 11.87 | 11.90 | 11.65 | 11.64 | 11.62 | 11.60 | 11.59 | 11.57 | |
| 26 | 11.57 | 11.72 | 11.64 | 11.81 | 11.86 | 11.86 | 11.66 | 11.64 | 11.62 | 11.60 | 11.60 | 11.57 | |
| 27 | 11.57 | 11.72 | 11.62 | 11.80 | 11.86 | 11.84 | 11.66 | 11.64 | 11.62 | 11.60 | 11.61 | 11.57 | |
| 28 | 11.55 | 11.73 | 11.64 | 11.79 | 11.86 | 11.83 | 11.67 | 11.63 | 11.62 | 11.59 | 11.61 | 11.56 | |
| 29 | 11.54 | 11.74 | 11.66 | 11.78 | 11.85 | 11.83 | 11.66 | 11.63 | 11.62 | 11.59 | | 11.56 | |
| 30 | 11.54 | 11.71 | 11.66 | 11.77 | 11.84 | 11.85 | 11.66 | 11.65 | 11.62 | 11.59 | | 11.55 | |
| 31 | | 11.73 | | 11.76 | 11.84 | | 11.68 | | 11.62 | 11.59 | | 11.55 | |
| Mean | 11.56 | 11.62 | 11.66 | 11.85 | 11.92 | 11.83 | 11.74 | 11.65 | 11.65 | 11.60 | 11.59 | 11.58 | |
| Max | 11.58 | 11.78 | 11.75 | 12.19 | 12.47 | 11.92 | 11.84 | 11.69 | 11.75 | 11.62 | 11.61 | 11.60 | 12.47 |
| Min | 11.54 | 11.53 | 11.60 | 11.74 | 11.71 | 11.75 | 11.65 | 11.63 | 11.62 | 11.59 | 11.59 | 11.55 | 11.53 |

Annual Max Momentary Gage Height 12.47 m. (MSL.) , at 09.00 Hours , on Aug 16 , 2006

Zero Gage at Bottom Elevation 10.87 m. (MSL.) , River Bed 11.10 m. (MSL.)

Left Bank Elevation 14.37 m. (MSL.) ,

Right Bank Elevation 14.37 m. (MSL.) , Drainage Are 48 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.05 | 0.04 | 0.49 | 0.53 | 0.58 | 1.01 | 1.08 | 0.33 | 0.20 | 0.15 | 0.09 | 0.10 | | |
| 2 | 0.05 | 0.03 | 0.53 | 5.80 | 0.87 | 0.94 | 0.94 | 0.28 | 0.20 | 0.15 | 0.09 | 0.10 | | |
| 3 | 0.05 | 0.03 | 0.58 | 3.85 | 0.71 | 0.94 | 0.80 | 0.28 | 0.20 | 0.13 | 0.09 | 0.10 | | |
| 4 | 0.05 | 0.03 | 0.53 | 2.80 | 0.49 | 0.87 | 0.76 | 0.25 | 0.20 | 0.13 | 0.09 | 0.10 | | |
| 5 | 0.05 | 0.03 | 0.49 | 1.60 | 0.40 | 0.87 | 0.76 | 0.23 | 0.20 | 0.13 | 0.09 | 0.10 | | |
| 6 | 0.05 | 0.03 | 0.49 | 1.43 | 0.53 | 0.80 | 0.71 | 0.23 | 0.44 | 0.15 | 0.09 | 0.10 | | |
| 7 | 0.05 | 0.03 | 0.49 | 1.36 | 0.76 | 0.76 | 0.71 | 0.20 | 0.58 | 0.15 | 0.09 | 0.10 | | |
| 8 | 0.05 | 0.01 | 0.49 | 1.15 | 0.67 | 0.62 | 0.67 | 0.20 | 0.33 | 0.15 | 0.09 | 0.10 | | |
| 9 | 0.05 | 0.01 | 0.44 | 1.01 | 0.76 | 0.58 | 0.87 | 0.18 | 0.28 | 0.15 | 0.09 | 0.09 | | |
| 10 | 0.05 | 0.04 | 0.35 | 0.87 | 2.30 | 0.67 | 1.08 | 0.18 | 0.28 | 0.13 | 0.09 | 0.09 | | |
| 11 | 0.05 | 0.03 | 0.20 | 0.76 | 2.20 | 0.62 | 1.01 | 0.20 | 0.25 | 0.13 | 0.09 | 0.09 | | |
| 12 | 0.05 | 0.03 | 0.15 | 0.71 | 1.43 | 0.67 | 0.94 | 0.30 | 0.25 | 0.13 | 0.10 | 0.09 | | |
| 13 | 0.05 | 0.03 | 0.15 | 0.62 | 1.08 | 0.94 | 0.80 | 0.30 | 0.25 | 0.10 | 0.10 | 0.09 | | |
| 14 | 0.05 | 0.03 | 0.13 | 0.58 | 1.29 | 1.60 | 0.80 | 0.28 | 0.23 | 0.10 | 0.10 | 0.09 | | |
| 15 | 0.05 | 0.01 | 0.13 | 0.58 | 7.40 | 1.60 | 0.67 | 0.28 | 0.23 | 0.10 | 0.09 | 0.09 | | |
| 16 | 0.05 | 0.01 | 0.13 | 0.62 | 13.10 | 1.70 | 0.58 | 0.28 | 0.23 | 0.10 | 0.09 | 0.09 | | |
| 17 | 0.06 | 0.05 | 0.10 | 0.71 | 9.80 | 1.29 | 0.53 | 0.28 | 0.23 | 0.10 | 0.09 | 0.09 | | |
| 18 | 0.05 | 0.05 | 0.10 | 2.50 | 5.60 | 1.50 | 0.53 | 0.25 | 0.23 | 0.10 | 0.09 | 0.09 | | |
| 19 | 0.05 | 0.08 | 0.10 | 2.00 | 4.00 | 1.36 | 0.44 | 0.25 | 0.20 | 0.09 | 0.09 | 0.09 | | |
| 20 | 0.08 | 0.71 | 0.13 | 1.36 | 2.80 | 1.22 | 0.40 | 0.25 | 0.20 | 0.09 | 0.09 | 0.09 | | |
| 21 | 0.08 | 0.67 | 0.10 | 1.15 | 2.00 | 1.08 | 0.33 | 0.23 | 0.20 | 0.09 | 0.09 | 0.08 | | |
| 22 | 0.08 | 0.49 | 0.10 | 1.01 | 1.80 | 0.94 | 0.28 | 0.23 | 0.18 | 0.09 | 0.09 | 0.08 | | |
| 23 | 0.06 | 0.44 | 0.10 | 0.87 | 1.43 | 0.94 | 0.25 | 0.23 | 0.18 | 0.09 | 0.09 | 0.06 | | |
| 24 | 0.06 | 0.49 | 0.10 | 0.80 | 1.29 | 1.22 | 0.25 | 0.23 | 0.18 | 0.13 | 0.09 | 0.06 | | |
| 25 | 0.06 | 0.49 | 0.20 | 0.76 | 1.29 | 1.50 | 0.23 | 0.20 | 0.15 | 0.10 | 0.09 | 0.06 | | |
| 26 | 0.06 | 0.44 | 0.20 | 0.87 | 1.22 | 1.22 | 0.25 | 0.20 | 0.15 | 0.10 | 0.10 | 0.06 | | |
| 27 | 0.06 | 0.44 | 0.15 | 0.80 | 1.22 | 1.08 | 0.25 | 0.20 | 0.15 | 0.10 | 0.13 | 0.06 | | |
| 28 | 0.04 | 0.49 | 0.20 | 0.76 | 1.22 | 1.01 | 0.28 | 0.18 | 0.15 | 0.09 | 0.13 | 0.05 | | |
| 29 | 0.03 | 0.53 | 0.25 | 0.71 | 1.15 | 1.01 | 0.25 | 0.18 | 0.15 | 0.09 | | 0.05 | | |
| 30 | 0.03 | 0.40 | 0.25 | 0.67 | 1.08 | 1.15 | 0.25 | 0.23 | 0.15 | 0.09 | | 0.04 | | |
| 31 | | 0.49 | | 0.62 | 1.08 | | 0.30 | | 0.15 | 0.09 | | 0.04 | | |
| Total | 1.60 | 6.68 | 7.85 | 39.86 | 71.55 | 31.71 | 18.00 | 7.14 | 7.00 | 3.52 | 2.64 | 2.52 | 200.07 | CMSDAY |
| Mean | 0.05 | 0.22 | 0.26 | 1.29 | 2.31 | 1.06 | 0.58 | 0.24 | 0.23 | 0.11 | 0.09 | 0.08 | 0.55 | CMS |
| Max | 0.08 | 0.71 | 0.58 | 5.80 | 13.10 | 1.70 | 1.08 | 0.33 | 0.58 | 0.15 | 0.13 | 0.10 | 13.10 | CMS |
| Min | 0.03 | 0.01 | 0.10 | 0.53 | 0.40 | 0.58 | 0.23 | 0.18 | 0.15 | 0.09 | 0.09 | 0.04 | 0.01 | CMS |
| Runoff | 0.14 | 0.58 | 0.68 | 3.44 | 6.18 | 2.74 | 1.56 | 0.62 | 0.60 | 0.30 | 0.23 | 0.22 | 17.29 | MCM |

Momentary Peak 13.10 CMS. at 12.47 m. (MSL.) at 09.00 Hours , on Aug 16, 2006

Runoff Yield 11.42 Liters/Second/Square KM. Momentary Peak Yield 272.92 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Huai Yang at Ban Huai Yang , Prachuap Khiri Khan (Gt.17)

Lat 11 - 36 - 48 N Long 99 - 40 - 09 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 349.**

**Ban** Huai Yang **Amphoe** Thap Sakae **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 48 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.619 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +6.367 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings. |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Flow effected by the local weir about 200 meters downstream from the gage site. Stage-discharge relation defined by 38 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

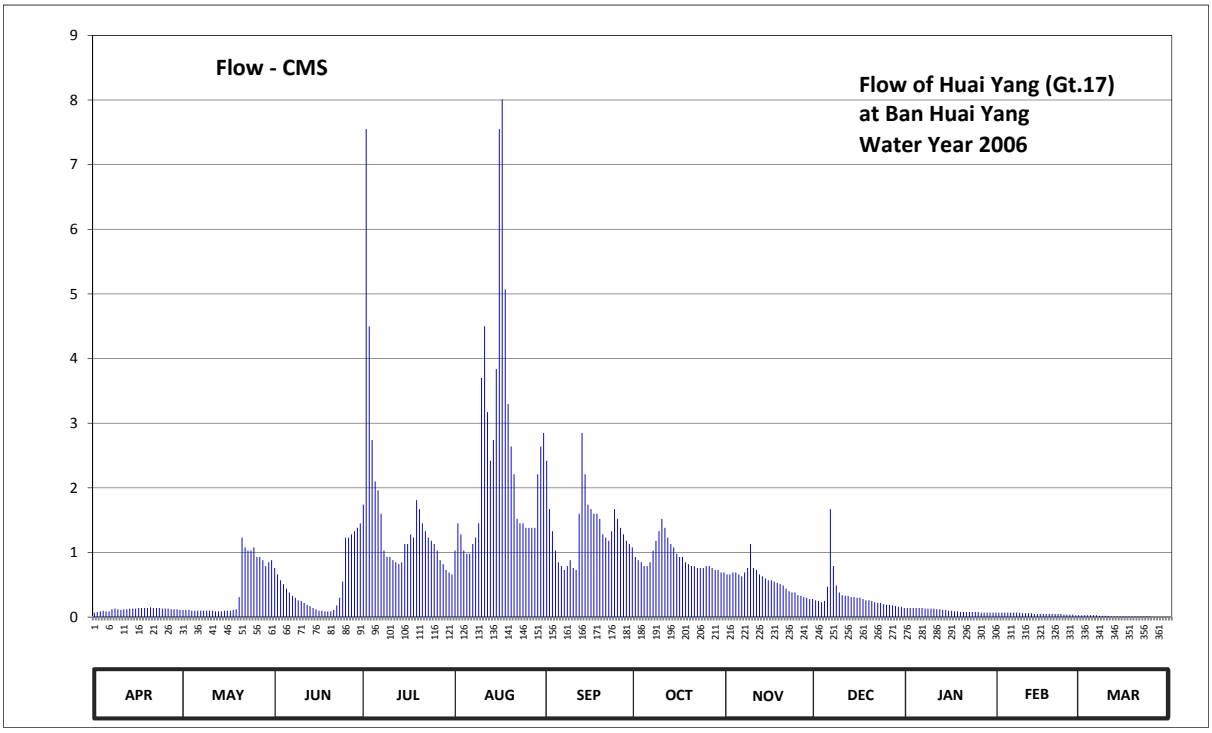
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.26 | 1.31 | 1.66 | 1.85 | 1.73 | 1.93 | 1.71 | 1.63 | 1.44 | 1.34 | 1.26 | 1.20 | |
| 2 | 1.27 | 1.31 | 1.63 | 2.25 | 1.81 | 1.84 | 1.70 | 1.63 | 1.43 | 1.34 | 1.26 | 1.19 | |
| 3 | 1.28 | 1.31 | 1.60 | 2.10 | 1.78 | 1.79 | 1.69 | 1.64 | 1.42 | 1.34 | 1.26 | 1.19 | |
| 4 | 1.30 | 1.30 | 1.57 | 1.96 | 1.73 | 1.73 | 1.67 | 1.64 | 1.43 | 1.34 | 1.25 | 1.19 | |
| 5 | 1.29 | 1.30 | 1.54 | 1.90 | 1.72 | 1.69 | 1.67 | 1.63 | 1.55 | 1.34 | 1.25 | 1.19 | |
| 6 | 1.29 | 1.30 | 1.51 | 1.88 | 1.72 | 1.67 | 1.69 | 1.62 | 1.84 | 1.34 | 1.25 | 1.19 | |
| 7 | 1.32 | 1.30 | 1.48 | 1.83 | 1.75 | 1.65 | 1.73 | 1.64 | 1.67 | 1.33 | 1.25 | 1.18 | |
| 8 | 1.33 | 1.30 | 1.46 | 1.73 | 1.77 | 1.67 | 1.76 | 1.66 | 1.56 | 1.33 | 1.25 | 1.18 | |
| 9 | 1.32 | 1.30 | 1.44 | 1.71 | 1.81 | 1.70 | 1.79 | 1.75 | 1.51 | 1.33 | 1.24 | 1.18 | |
| 10 | 1.31 | 1.30 | 1.43 | 1.71 | 2.04 | 1.66 | 1.82 | 1.66 | 1.49 | 1.33 | 1.24 | 1.18 | |
| 11 | 1.32 | 1.30 | 1.41 | 1.70 | 2.10 | 1.65 | 1.80 | 1.65 | 1.48 | 1.32 | 1.24 | 1.17 | |
| 12 | 1.32 | 1.29 | 1.39 | 1.69 | 2.00 | 1.83 | 1.77 | 1.63 | 1.48 | 1.32 | 1.24 | 1.17 | |
| 13 | 1.33 | 1.29 | 1.37 | 1.68 | 1.93 | 1.97 | 1.75 | 1.62 | 1.47 | 1.31 | 1.23 | 1.17 | |
| 14 | 1.33 | 1.28 | 1.34 | 1.69 | 1.96 | 1.91 | 1.74 | 1.61 | 1.47 | 1.31 | 1.23 | 1.17 | |
| 15 | 1.33 | 1.30 | 1.32 | 1.75 | 2.05 | 1.85 | 1.72 | 1.60 | 1.46 | 1.30 | 1.23 | 1.17 | |
| 16 | 1.34 | 1.30 | 1.30 | 1.75 | 2.25 | 1.84 | 1.71 | 1.60 | 1.46 | 1.30 | 1.23 | 1.17 | |
| 17 | 1.34 | 1.30 | 1.30 | 1.78 | 2.27 | 1.83 | 1.71 | 1.59 | 1.45 | 1.29 | 1.23 | 1.17 | |
| 18 | 1.34 | 1.31 | 1.29 | 1.77 | 2.13 | 1.83 | 1.69 | 1.58 | 1.44 | 1.28 | 1.23 | 1.17 | |
| 19 | 1.34 | 1.32 | 1.29 | 1.86 | 2.01 | 1.82 | 1.68 | 1.57 | 1.44 | 1.27 | 1.23 | 1.17 | |
| 20 | 1.35 | 1.47 | 1.29 | 1.84 | 1.95 | 1.78 | 1.67 | 1.56 | 1.43 | 1.27 | 1.22 | 1.17 | |
| 21 | 1.34 | 1.77 | 1.31 | 1.81 | 1.91 | 1.77 | 1.67 | 1.54 | 1.42 | 1.27 | 1.22 | 1.17 | |
| 22 | 1.34 | 1.74 | 1.38 | 1.79 | 1.82 | 1.76 | 1.66 | 1.52 | 1.41 | 1.27 | 1.22 | 1.17 | |
| 23 | 1.34 | 1.73 | 1.46 | 1.77 | 1.81 | 1.79 | 1.66 | 1.51 | 1.41 | 1.27 | 1.21 | 1.17 | |
| 24 | 1.33 | 1.73 | 1.59 | 1.76 | 1.81 | 1.84 | 1.66 | 1.51 | 1.40 | 1.27 | 1.21 | 1.16 | |
| 25 | 1.33 | 1.74 | 1.77 | 1.75 | 1.80 | 1.82 | 1.67 | 1.49 | 1.39 | 1.27 | 1.21 | 1.15 | |
| 26 | 1.33 | 1.71 | 1.77 | 1.73 | 1.80 | 1.80 | 1.67 | 1.48 | 1.39 | 1.26 | 1.21 | 1.15 | |
| 27 | 1.32 | 1.71 | 1.78 | 1.70 | 1.80 | 1.78 | 1.66 | 1.47 | 1.38 | 1.26 | 1.20 | 1.15 | |
| 28 | 1.32 | 1.70 | 1.79 | 1.68 | 1.80 | 1.76 | 1.65 | 1.46 | 1.37 | 1.26 | 1.20 | 1.15 | |
| 29 | 1.32 | 1.67 | 1.80 | 1.65 | 1.91 | 1.75 | 1.65 | 1.45 | 1.36 | 1.26 | | 1.14 | |
| 30 | 1.31 | 1.69 | 1.81 | 1.64 | 1.95 | 1.74 | 1.64 | 1.45 | 1.36 | 1.26 | | 1.14 | |
| 31 | | 1.70 | | 1.63 | 1.97 | | 1.64 | | 1.34 | 1.26 | | 1.14 | |
| Mean | 1.32 | 1.45 | 1.50 | 1.79 | 1.90 | 1.78 | 1.70 | 1.58 | 1.46 | 1.30 | 1.23 | 1.17 | |
| Max | 1.35 | 1.77 | 1.81 | 2.25 | 2.27 | 1.97 | 1.82 | 1.75 | 1.84 | 1.34 | 1.26 | 1.20 | 2.27 |
| Min | 1.26 | 1.28 | 1.29 | 1.63 | 1.72 | 1.65 | 1.64 | 1.45 | 1.34 | 1.26 | 1.20 | 1.14 | 1.14 |

Annual Max Momentary Gage Height 2.50 m. (MSL.) , at 15.00 Hours , on Jul 2, 2006

Zero Gage at Bottom Elevation 0.62 m. (MSL.) , River Bed 1.10 m. (MSL.)

Left Bank Elevation 4.50 m. (MSL.) ,

Right Bank Elevation 4.52 m. (MSL.) , Drainage Are 48 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.07 | 0.11 | 0.76 | 1.74 | 1.03 | 2.42 | 0.93 | 0.66 | 0.26 | 0.14 | 0.07 | 0.03 | | |
| 2 | 0.08 | 0.11 | 0.66 | 7.55 | 1.45 | 1.67 | 0.88 | 0.66 | 0.25 | 0.14 | 0.07 | 0.03 | | |
| 3 | 0.09 | 0.11 | 0.57 | 4.50 | 1.28 | 1.33 | 0.85 | 0.69 | 0.23 | 0.14 | 0.07 | 0.03 | | |
| 4 | 0.10 | 0.10 | 0.51 | 2.74 | 1.03 | 1.03 | 0.79 | 0.69 | 0.25 | 0.14 | 0.07 | 0.03 | | |
| 5 | 0.09 | 0.10 | 0.44 | 2.10 | 0.98 | 0.85 | 0.79 | 0.66 | 0.47 | 0.14 | 0.07 | 0.03 | | |
| 6 | 0.09 | 0.10 | 0.38 | 1.96 | 0.98 | 0.79 | 0.85 | 0.63 | 1.67 | 0.14 | 0.07 | 0.03 | | |
| 7 | 0.12 | 0.10 | 0.33 | 1.60 | 1.13 | 0.73 | 1.03 | 0.69 | 0.79 | 0.13 | 0.07 | 0.02 | | |
| 8 | 0.13 | 0.10 | 0.30 | 1.03 | 1.23 | 0.79 | 1.18 | 0.76 | 0.49 | 0.13 | 0.07 | 0.02 | | |
| 9 | 0.12 | 0.10 | 0.26 | 0.93 | 1.45 | 0.88 | 1.33 | 1.13 | 0.38 | 0.13 | 0.06 | 0.02 | | |
| 10 | 0.11 | 0.10 | 0.25 | 0.93 | 3.70 | 0.76 | 1.52 | 0.76 | 0.34 | 0.13 | 0.06 | 0.02 | | |
| 11 | 0.12 | 0.10 | 0.22 | 0.88 | 4.50 | 0.73 | 1.38 | 0.73 | 0.33 | 0.12 | 0.06 | 0.01 | | |
| 12 | 0.12 | 0.09 | 0.19 | 0.85 | 3.17 | 1.60 | 1.23 | 0.66 | 0.33 | 0.12 | 0.06 | 0.01 | | |
| 13 | 0.13 | 0.09 | 0.17 | 0.82 | 2.42 | 2.85 | 1.13 | 0.63 | 0.31 | 0.11 | 0.05 | 0.01 | | |
| 14 | 0.13 | 0.09 | 0.14 | 0.85 | 2.74 | 2.21 | 1.08 | 0.60 | 0.31 | 0.11 | 0.05 | 0.01 | | |
| 15 | 0.13 | 0.10 | 0.12 | 1.13 | 3.84 | 1.74 | 0.98 | 0.57 | 0.30 | 0.10 | 0.05 | 0.01 | | |
| 16 | 0.14 | 0.10 | 0.10 | 1.13 | 7.55 | 1.67 | 0.93 | 0.57 | 0.30 | 0.10 | 0.05 | 0.01 | | |
| 17 | 0.14 | 0.10 | 0.10 | 1.28 | 8.01 | 1.60 | 0.93 | 0.55 | 0.28 | 0.09 | 0.05 | 0.01 | | |
| 18 | 0.14 | 0.11 | 0.09 | 1.23 | 5.07 | 1.60 | 0.85 | 0.53 | 0.26 | 0.09 | 0.05 | 0.01 | | |
| 19 | 0.14 | 0.12 | 0.09 | 1.81 | 3.30 | 1.52 | 0.82 | 0.51 | 0.26 | 0.08 | 0.05 | 0.01 | | |
| 20 | 0.15 | 0.31 | 0.09 | 1.67 | 2.64 | 1.28 | 0.79 | 0.49 | 0.25 | 0.08 | 0.05 | 0.01 | | |
| 21 | 0.14 | 1.23 | 0.11 | 1.45 | 2.21 | 1.23 | 0.79 | 0.44 | 0.23 | 0.08 | 0.05 | 0.01 | | |
| 22 | 0.14 | 1.08 | 0.18 | 1.33 | 1.52 | 1.18 | 0.76 | 0.40 | 0.22 | 0.08 | 0.05 | 0.01 | | |
| 23 | 0.14 | 1.03 | 0.30 | 1.23 | 1.45 | 1.33 | 0.76 | 0.38 | 0.22 | 0.08 | 0.04 | 0.01 | | |
| 24 | 0.13 | 1.03 | 0.55 | 1.18 | 1.45 | 1.67 | 0.76 | 0.38 | 0.20 | 0.08 | 0.04 | 0.01 | | |
| 25 | 0.13 | 1.08 | 1.23 | 1.13 | 1.38 | 1.52 | 0.79 | 0.34 | 0.19 | 0.08 | 0.04 | 0.00 | | |
| 26 | 0.13 | 0.93 | 1.23 | 1.03 | 1.38 | 1.38 | 0.79 | 0.33 | 0.19 | 0.07 | 0.04 | 0.00 | | |
| 27 | 0.12 | 0.93 | 1.28 | 0.88 | 1.38 | 1.28 | 0.76 | 0.31 | 0.18 | 0.07 | 0.03 | 0.00 | | |
| 28 | 0.12 | 0.88 | 1.33 | 0.82 | 1.38 | 1.18 | 0.73 | 0.30 | 0.17 | 0.07 | 0.03 | 0.00 | | |
| 29 | 0.12 | 0.79 | 1.38 | 0.73 | 2.21 | 1.13 | 0.73 | 0.28 | 0.16 | 0.07 | | 0.00 | | |
| 30 | 0.11 | 0.85 | 1.45 | 0.69 | 2.64 | 1.08 | 0.69 | 0.28 | 0.16 | 0.07 | | 0.00 | | |
| 31 | | 0.88 | | 0.66 | 2.85 | | 0.69 | | 0.14 | 0.07 | | 0.00 | | |
| Total | 3.62 | 12.95 | 14.81 | 47.86 | 77.35 | 41.03 | 28.52 | 16.61 | 10.12 | 3.18 | 1.52 | 0.40 | 257.97 | CMSDAY |
| Mean | 0.12 | 0.42 | 0.49 | 1.54 | 2.50 | 1.37 | 0.92 | 0.55 | 0.33 | 0.10 | 0.05 | 0.01 | 0.71 | CMS |
| Max | 0.15 | 1.23 | 1.45 | 7.55 | 8.01 | 2.85 | 1.52 | 1.13 | 1.67 | 0.14 | 0.07 | 0.03 | 8.01 | CMS |
| Min | 0.07 | 0.09 | 0.09 | 0.66 | 0.98 | 0.73 | 0.69 | 0.28 | 0.14 | 0.07 | 0.03 | 0.00 | 0.00 | CMS |
| Runoff | 0.31 | 1.12 | 1.28 | 4.14 | 6.68 | 3.54 | 2.46 | 1.44 | 0.87 | 0.27 | 0.13 | 0.03 | 22.29 | MCM |

Momentary Peak 15.00 CMS. at 2.50 m. (MSL.) at 15.00 Hours , on Jul 2, 2006

Runoff Yield 14.72 Liters/Second/Square KM. Momentary Peak Yield 312.50 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Cha Kra at Ban Cha Kra Bon , Prachuap Khiri Khan (Gt.18)

Lat 11 - 26 - 48 N Long 99 - 34 - 09 E

**Location : on left bank at the bridge of Phet Kasem Highway.**

**Ban** Cha Kra Bon **Amphoe** Thap Sakae **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 88 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +11.715 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +17.588 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 to date |
| **Stability of Channel Regimes** | Rather unstable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 36 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

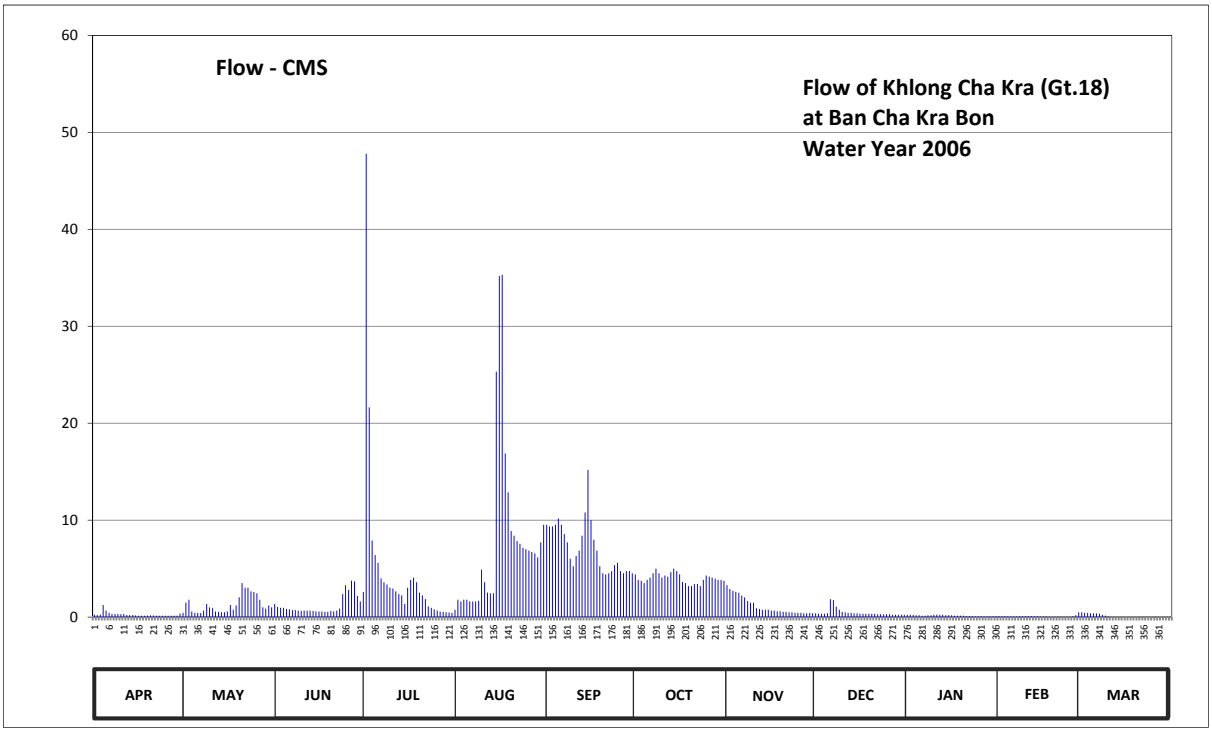
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.88 | 12.95 | 13.17 | 13.37 | 13.04 | 13.57 | 13.20 | 13.10 | 12.76 | 12.73 | 12.70 | 12.78 | |
| 2 | 12.87 | 13.20 | 13.11 | 16.32 | 13.25 | 13.56 | 13.15 | 13.06 | 12.75 | 12.73 | 12.69 | 12.77 | |
| 3 | 12.89 | 13.25 | 13.09 | 14.94 | 13.22 | 13.56 | 13.14 | 13.04 | 12.75 | 12.73 | 12.69 | 12.77 | |
| 4 | 13.15 | 12.99 | 13.09 | 13.95 | 13.25 | 13.57 | 13.12 | 13.03 | 12.75 | 12.72 | 12.69 | 12.76 | |
| 5 | 13.02 | 12.95 | 13.06 | 13.80 | 13.25 | 13.61 | 13.15 | 13.02 | 12.76 | 12.72 | 12.68 | 12.76 | |
| 6 | 12.95 | 12.94 | 13.05 | 13.72 | 13.22 | 13.57 | 13.17 | 12.99 | 12.95 | 12.71 | 12.68 | 12.76 | |
| 7 | 12.91 | 12.94 | 13.03 | 13.55 | 13.22 | 13.51 | 13.21 | 12.97 | 12.94 | 12.71 | 12.68 | 12.75 | |
| 8 | 12.91 | 13.02 | 13.03 | 13.50 | 13.22 | 13.45 | 13.25 | 12.93 | 12.86 | 12.72 | 12.69 | 12.73 | |
| 9 | 12.91 | 13.17 | 13.02 | 13.47 | 13.23 | 13.33 | 13.21 | 12.91 | 12.82 | 12.72 | 12.69 | 12.71 | |
| 10 | 12.90 | 13.10 | 13.01 | 13.43 | 13.65 | 13.27 | 13.17 | 12.91 | 12.79 | 12.73 | 12.70 | 12.68 | |
| 11 | 12.91 | 13.08 | 13.02 | 13.42 | 13.50 | 13.35 | 13.19 | 12.84 | 12.78 | 12.73 | 12.70 | 12.66 | |
| 12 | 12.87 | 12.99 | 13.02 | 13.38 | 13.36 | 13.39 | 13.18 | 12.83 | 12.77 | 12.73 | 12.70 | 12.66 | |
| 13 | 12.87 | 12.98 | 13.02 | 13.34 | 13.35 | 13.50 | 13.22 | 12.82 | 12.77 | 12.73 | 12.69 | 12.66 | |
| 14 | 12.87 | 12.97 | 13.01 | 13.32 | 13.35 | 13.65 | 13.25 | 12.82 | 12.76 | 12.72 | 12.69 | 12.66 | |
| 15 | 12.86 | 12.97 | 13.00 | 13.17 | 15.16 | 13.92 | 13.23 | 12.82 | 12.76 | 12.72 | 12.68 | 12.65 | |
| 16 | 12.85 | 13.00 | 12.99 | 13.43 | 15.69 | 13.60 | 13.20 | 12.81 | 12.75 | 12.72 | 12.68 | 12.65 | |
| 17 | 12.85 | 13.15 | 12.99 | 13.53 | 14.85 | 13.47 | 13.13 | 12.81 | 12.75 | 12.71 | 12.68 | 12.65 | |
| 18 | 12.85 | 13.04 | 12.98 | 13.56 | 14.01 | 13.39 | 13.12 | 12.80 | 12.75 | 12.71 | 12.67 | 12.65 | |
| 19 | 12.85 | 13.14 | 12.98 | 13.50 | 13.78 | 13.27 | 13.09 | 12.80 | 12.75 | 12.71 | 12.67 | 12.65 | |
| 20 | 12.86 | 13.29 | 13.01 | 13.36 | 13.53 | 13.21 | 13.09 | 12.79 | 12.75 | 12.71 | 12.67 | 12.66 | |
| 21 | 12.86 | 13.49 | 13.00 | 13.32 | 13.50 | 13.20 | 13.11 | 12.79 | 12.75 | 12.70 | 12.67 | 12.66 | |
| 22 | 12.85 | 13.43 | 13.02 | 13.26 | 13.46 | 13.21 | 13.11 | 12.78 | 12.74 | 12.70 | 12.67 | 12.66 | |
| 23 | 12.85 | 13.43 | 13.07 | 13.12 | 13.44 | 13.23 | 13.09 | 12.78 | 12.74 | 12.70 | 12.67 | 12.65 | |
| 24 | 12.85 | 13.38 | 13.34 | 13.09 | 13.41 | 13.28 | 13.15 | 12.77 | 12.74 | 12.69 | 12.67 | 12.65 | |
| 25 | 12.85 | 13.37 | 13.46 | 13.05 | 13.40 | 13.30 | 13.19 | 12.77 | 12.74 | 12.69 | 12.67 | 12.66 | |
| 26 | 12.85 | 13.35 | 13.40 | 13.02 | 13.39 | 13.23 | 13.18 | 12.77 | 12.74 | 12.69 | 12.69 | 12.67 | |
| 27 | 12.85 | 13.25 | 13.52 | 12.99 | 13.38 | 13.21 | 13.17 | 12.76 | 12.73 | 12.68 | 12.72 | 12.66 | |
| 28 | 12.85 | 13.10 | 13.51 | 12.98 | 13.37 | 13.23 | 13.16 | 12.76 | 12.73 | 12.68 | 12.78 | 12.66 | |
| 29 | 12.85 | 13.07 | 13.31 | 12.97 | 13.34 | 13.23 | 13.15 | 12.77 | 12.73 | 12.69 | | 12.66 | |
| 30 | 12.92 | 13.14 | 13.22 | 12.96 | 13.45 | 13.21 | 13.15 | 12.76 | 12.73 | 12.69 | | 12.66 | |
| 31 | | 13.10 | | 12.95 | 13.57 | | 13.14 | | 12.73 | 12.70 | | 12.66 | |
| Mean | 12.89 | 13.14 | 13.12 | 13.48 | 13.58 | 13.40 | 13.16 | 12.86 | 12.77 | 12.71 | 12.69 | 12.69 | |
| Max | 13.15 | 13.49 | 13.52 | 16.32 | 15.69 | 13.92 | 13.25 | 13.10 | 12.95 | 12.73 | 12.78 | 12.78 | 16.32 |
| Min | 12.85 | 12.94 | 12.98 | 12.95 | 13.04 | 13.20 | 13.09 | 12.76 | 12.73 | 12.68 | 12.67 | 12.65 | 12.65 |

Annual Max Momentary Gage Height 16.79 m. (MSL.) , at 14.00 Hours , on Jul 2, 2006

Zero Gage at Bottom Elevation 11.72 m. (MSL.) , River Bed 12.58 m. (MSL.)

Left Bank Elevation 17.12 m. (MSL.) ,

Right Bank Elevation 17.22 m. (MSL.) , Drainage Are 88 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.24 | 0.45 | 1.35 | 2.59 | 0.76 | 9.52 | 4.40 | 3.30 | 0.40 | 0.25 | 0.10 | 0.50 | | |
| 2 | 0.21 | 1.50 | 1.05 | 47.80 | 1.80 | 9.36 | 3.85 | 2.90 | 0.35 | 0.25 | 0.08 | 0.45 | | |
| 3 | 0.27 | 1.80 | 0.96 | 21.64 | 1.62 | 9.36 | 3.74 | 2.70 | 0.35 | 0.25 | 0.08 | 0.45 | | |
| 4 | 1.25 | 0.57 | 0.96 | 7.90 | 1.80 | 9.52 | 3.52 | 2.60 | 0.35 | 0.20 | 0.08 | 0.40 | | |
| 5 | 0.68 | 0.45 | 0.84 | 6.40 | 1.80 | 10.16 | 3.85 | 2.50 | 0.40 | 0.20 | 0.06 | 0.40 | | |
| 6 | 0.45 | 0.42 | 0.80 | 5.60 | 1.62 | 9.52 | 4.07 | 2.21 | 1.85 | 0.15 | 0.06 | 0.40 | | |
| 7 | 0.33 | 0.42 | 0.72 | 4.00 | 1.62 | 8.56 | 4.52 | 2.03 | 1.76 | 0.15 | 0.06 | 0.35 | | |
| 8 | 0.33 | 0.68 | 0.72 | 3.60 | 1.62 | 7.70 | 5.00 | 1.67 | 1.08 | 0.20 | 0.08 | 0.25 | | |
| 9 | 0.33 | 1.35 | 0.68 | 3.36 | 1.68 | 6.02 | 4.52 | 1.49 | 0.76 | 0.20 | 0.08 | 0.15 | | |
| 10 | 0.30 | 1.00 | 0.64 | 3.04 | 4.90 | 5.24 | 4.07 | 1.49 | 0.55 | 0.25 | 0.10 | 0.06 | | |
| 11 | 0.33 | 0.92 | 0.68 | 2.96 | 3.60 | 6.30 | 4.29 | 0.92 | 0.50 | 0.25 | 0.10 | 0.02 | | |
| 12 | 0.21 | 0.57 | 0.68 | 2.66 | 2.52 | 6.86 | 4.18 | 0.84 | 0.45 | 0.25 | 0.10 | 0.02 | | |
| 13 | 0.21 | 0.54 | 0.68 | 2.38 | 2.45 | 8.40 | 4.64 | 0.76 | 0.45 | 0.25 | 0.08 | 0.02 | | |
| 14 | 0.21 | 0.51 | 0.64 | 2.24 | 2.45 | 10.80 | 5.00 | 0.76 | 0.40 | 0.20 | 0.08 | 0.02 | | |
| 15 | 0.18 | 0.51 | 0.60 | 1.35 | 25.32 | 15.18 | 4.76 | 0.76 | 0.40 | 0.20 | 0.06 | 0.00 | | |
| 16 | 0.15 | 0.60 | 0.57 | 3.04 | 35.20 | 10.00 | 4.40 | 0.68 | 0.35 | 0.20 | 0.06 | 0.00 | | |
| 17 | 0.15 | 1.25 | 0.57 | 3.84 | 35.30 | 7.98 | 3.63 | 0.68 | 0.35 | 0.15 | 0.06 | 0.00 | | |
| 18 | 0.15 | 0.76 | 0.54 | 4.08 | 16.89 | 6.86 | 3.52 | 0.60 | 0.35 | 0.15 | 0.04 | 0.00 | | |
| 19 | 0.15 | 1.20 | 0.54 | 3.60 | 12.88 | 5.24 | 3.20 | 0.60 | 0.35 | 0.15 | 0.04 | 0.00 | | |
| 20 | 0.18 | 2.04 | 0.64 | 2.52 | 8.88 | 4.52 | 3.20 | 0.55 | 0.35 | 0.15 | 0.04 | 0.02 | | |
| 21 | 0.18 | 3.52 | 0.60 | 2.24 | 8.40 | 4.40 | 3.41 | 0.55 | 0.35 | 0.10 | 0.04 | 0.02 | | |
| 22 | 0.15 | 3.04 | 0.68 | 1.86 | 7.84 | 4.52 | 3.41 | 0.50 | 0.30 | 0.10 | 0.04 | 0.02 | | |
| 23 | 0.15 | 3.04 | 0.88 | 1.10 | 7.56 | 4.76 | 3.20 | 0.50 | 0.30 | 0.10 | 0.04 | 0.00 | | |
| 24 | 0.15 | 2.66 | 2.38 | 0.96 | 7.14 | 5.36 | 3.85 | 0.45 | 0.30 | 0.08 | 0.04 | 0.00 | | |
| 25 | 0.15 | 2.59 | 3.28 | 0.80 | 7.00 | 5.60 | 4.29 | 0.45 | 0.30 | 0.08 | 0.04 | 0.02 | | |
| 26 | 0.15 | 2.45 | 2.80 | 0.68 | 6.86 | 4.76 | 4.18 | 0.45 | 0.30 | 0.08 | 0.08 | 0.04 | | |
| 27 | 0.15 | 1.80 | 3.76 | 0.57 | 6.72 | 4.52 | 4.07 | 0.40 | 0.25 | 0.06 | 0.20 | 0.02 | | |
| 28 | 0.15 | 1.00 | 3.68 | 0.54 | 6.58 | 4.76 | 3.96 | 0.40 | 0.25 | 0.06 | 0.50 | 0.02 | | |
| 29 | 0.15 | 0.88 | 2.17 | 0.51 | 6.16 | 4.76 | 3.85 | 0.45 | 0.25 | 0.08 | | 0.02 | | |
| 30 | 0.36 | 1.20 | 1.62 | 0.48 | 7.70 | 4.52 | 3.85 | 0.40 | 0.25 | 0.08 | | 0.02 | | |
| 31 | | 1.00 | | 0.45 | 9.52 | | 3.74 | | 0.25 | 0.10 | | 0.02 | | |
| Total | 8.05 | 40.72 | 36.71 | 144.79 | 246.19 | 215.06 | 124.17 | 34.59 | 14.90 | 4.97 | 2.42 | 3.71 | 876.28 | CMSDAY |
| Mean | 0.27 | 1.31 | 1.22 | 4.67 | 7.94 | 7.17 | 4.01 | 1.15 | 0.48 | 0.16 | 0.09 | 0.12 | 2.40 | CMS |
| Max | 1.25 | 3.52 | 3.76 | 47.80 | 35.30 | 15.18 | 5.00 | 3.30 | 1.85 | 0.25 | 0.50 | 0.50 | 47.80 | CMS |
| Min | 0.15 | 0.42 | 0.54 | 0.45 | 0.76 | 4.40 | 3.20 | 0.40 | 0.25 | 0.06 | 0.04 | 0.00 | 0.00 | CMS |
| Runoff | 0.70 | 3.52 | 3.17 | 12.51 | 21.27 | 18.58 | 10.73 | 2.99 | 1.29 | 0.43 | 0.21 | 0.32 | 75.71 | MCM |

Momentary Peak 57.58 CMS. at 16.79 m. (MSL.) at 14.00 Hours , on Jul 2, 2006

Runoff Yield 27.28 Liters/Second/Square KM. Momentary Peak Yield 654.32 Liters/Second/Square KM.

## WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Ang Thong at Ban Ang Thong , Prachuap Khiri Khan (Gt.19)

Lat 11 - 26 - 10 N Long 99 - 33 - 54 E

**Location : on left bank at the bridge of Phet Kasem Highway near the guidepost 373.**

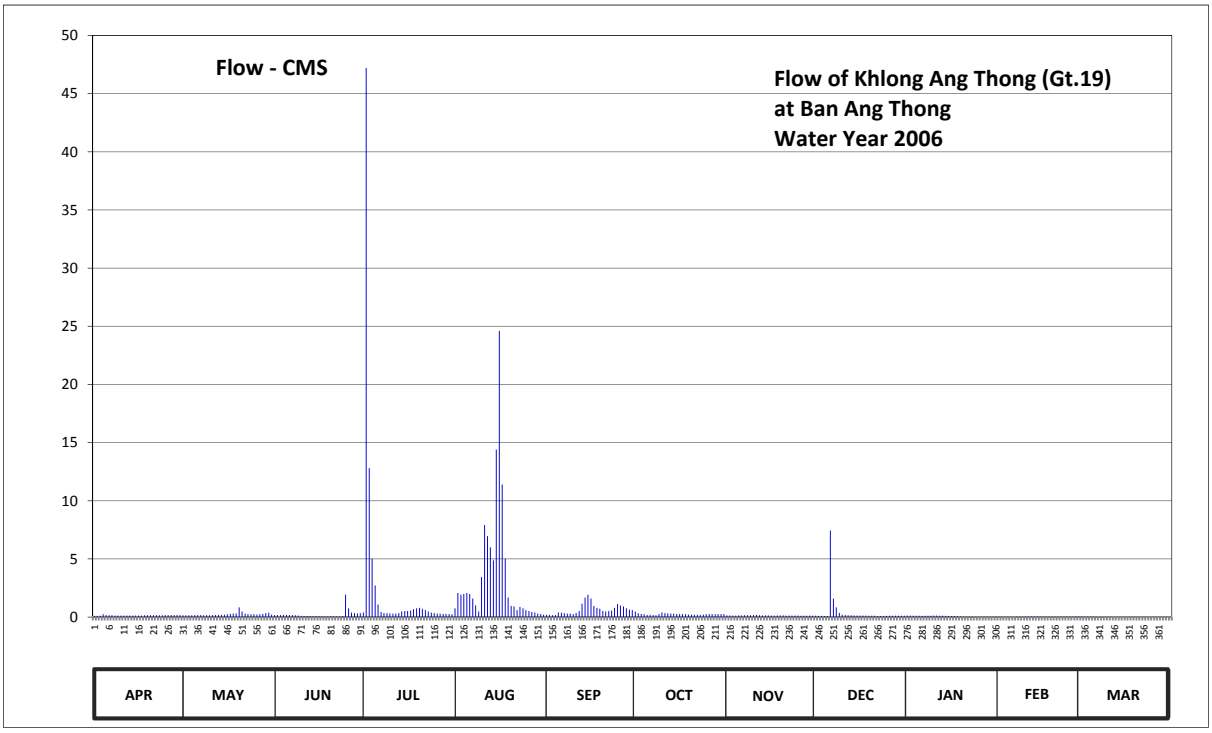
**Ban** Ang Thong **Amphoe** Thap Sakae **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 61 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +12.450 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank at the abutment of the bridge. **Elevation** +17.599 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1987 - 1988, 1993 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1987 - 1988, 1993 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | Overbank flow starts at elevation +16.160 m.(MSL.)and is including overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 36 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.21 | 13.27 | 13.28 | 13.40 | 13.49 | 13.30 | 13.42 | 13.25 | 13.22 | 13.23 | 13.12 | 13.14 | |
| 2 | 13.21 | 13.27 | 13.28 | 15.70 | 13.71 | 13.29 | 13.37 | 13.25 | 13.21 | 13.23 | 13.12 | 13.13 | |
| 3 | 13.22 | 13.27 | 13.28 | 14.49 | 13.69 | 13.27 | 13.34 | 13.24 | 13.21 | 13.22 | 13.11 | 13.12 | |
| 4 | 13.32 | 13.27 | 13.29 | 14.03 | 13.70 | 13.28 | 13.32 | 13.24 | 13.20 | 13.22 | 13.11 | 13.12 | |
| 5 | 13.28 | 13.28 | 13.29 | 13.79 | 13.71 | 13.40 | 13.29 | 13.25 | 13.20 | 13.22 | 13.11 | 13.12 | |
| 6 | 13.27 | 13.28 | 13.28 | 13.57 | 13.70 | 13.39 | 13.30 | 13.25 | 14.19 | 13.21 | 13.11 | 13.11 | |
| 7 | 13.26 | 13.28 | 13.28 | 13.41 | 13.65 | 13.37 | 13.28 | 13.26 | 13.65 | 13.21 | 13.12 | 13.11 | |
| 8 | 13.24 | 13.27 | 13.27 | 13.38 | 13.55 | 13.35 | 13.27 | 13.26 | 13.51 | 13.22 | 13.12 | 13.11 | |
| 9 | 13.23 | 13.27 | 13.24 | 13.37 | 13.42 | 13.35 | 13.33 | 13.25 | 13.38 | 13.22 | 13.13 | 13.10 | |
| 10 | 13.23 | 13.27 | 13.21 | 13.36 | 13.88 | 13.33 | 13.40 | 13.28 | 13.30 | 13.23 | 13.14 | 13.10 | |
| 11 | 13.23 | 13.28 | 13.20 | 13.35 | 14.22 | 13.38 | 13.37 | 13.29 | 13.28 | 13.23 | 13.14 | 13.10 | |
| 12 | 13.23 | 13.28 | 13.20 | 13.35 | 14.16 | 13.43 | 13.36 | 13.26 | 13.27 | 13.22 | 13.14 | 13.10 | |
| 13 | 13.23 | 13.29 | 13.19 | 13.37 | 14.10 | 13.59 | 13.35 | 13.25 | 13.26 | 13.22 | 13.14 | 13.10 | |
| 14 | 13.23 | 13.29 | 13.18 | 13.42 | 14.02 | 13.66 | 13.35 | 13.25 | 13.25 | 13.21 | 13.14 | 13.10 | |
| 15 | 13.24 | 13.30 | 13.18 | 13.43 | 14.57 | 13.69 | 13.34 | 13.25 | 13.24 | 13.20 | 13.14 | 13.10 | |
| 16 | 13.24 | 13.32 | 13.17 | 13.43 | 15.00 | 13.65 | 13.34 | 13.24 | 13.24 | 13.20 | 13.13 | 13.10 | |
| 17 | 13.24 | 13.34 | 13.17 | 13.44 | 14.42 | 13.54 | 13.33 | 13.24 | 13.23 | 13.19 | 13.13 | 13.09 | |
| 18 | 13.26 | 13.35 | 13.16 | 13.47 | 14.03 | 13.50 | 13.32 | 13.24 | 13.23 | 13.17 | 13.13 | 13.09 | |
| 19 | 13.26 | 13.36 | 13.16 | 13.49 | 13.66 | 13.48 | 13.31 | 13.25 | 13.22 | 13.15 | 13.13 | 13.09 | |
| 20 | 13.27 | 13.51 | 13.17 | 13.50 | 13.54 | 13.43 | 13.30 | 13.25 | 13.22 | 13.12 | 13.13 | 13.09 | |
| 21 | 13.27 | 13.42 | 13.17 | 13.48 | 13.53 | 13.42 | 13.30 | 13.24 | 13.22 | 13.12 | 13.13 | 13.09 | |
| 22 | 13.27 | 13.35 | 13.16 | 13.45 | 13.45 | 13.43 | 13.30 | 13.24 | 13.20 | 13.12 | 13.12 | 13.09 | |
| 23 | 13.27 | 13.33 | 13.16 | 13.42 | 13.52 | 13.44 | 13.29 | 13.23 | 13.20 | 13.12 | 13.12 | 13.08 | |
| 24 | 13.27 | 13.32 | 13.20 | 13.39 | 13.49 | 13.50 | 13.31 | 13.23 | 13.21 | 13.11 | 13.12 | 13.08 | |
| 25 | 13.28 | 13.32 | 13.69 | 13.37 | 13.45 | 13.58 | 13.32 | 13.23 | 13.21 | 13.11 | 13.12 | 13.08 | |
| 26 | 13.28 | 13.31 | 13.49 | 13.35 | 13.43 | 13.55 | 13.33 | 13.22 | 13.22 | 13.11 | 13.13 | 13.08 | |
| 27 | 13.28 | 13.32 | 13.39 | 13.35 | 13.41 | 13.53 | 13.33 | 13.22 | 13.22 | 13.12 | 13.14 | 13.08 | |
| 28 | 13.28 | 13.34 | 13.37 | 13.34 | 13.40 | 13.49 | 13.32 | 13.22 | 13.22 | 13.12 | 13.14 | 13.08 | |
| 29 | 13.28 | 13.37 | 13.36 | 13.34 | 13.35 | 13.46 | 13.33 | 13.23 | 13.22 | 13.13 | | 13.08 | |
| 30 | 13.28 | 13.39 | 13.37 | 13.33 | 13.33 | 13.45 | 13.33 | 13.22 | 13.22 | 13.13 | | 13.07 | |
| 31 | | 13.31 | | 13.32 | 13.30 | | 13.33 | | 13.22 | 13.13 | | 13.07 | |
| Mean | 13.26 | 13.32 | 13.26 | 13.54 | 13.74 | 13.45 | 13.33 | 13.24 | 13.29 | 13.18 | 13.13 | 13.10 | |
| Max | 13.32 | 13.51 | 13.69 | 15.70 | 15.00 | 13.69 | 13.42 | 13.29 | 14.19 | 13.23 | 13.14 | 13.14 | 15.70 |
| Min | 13.21 | 13.27 | 13.16 | 13.32 | 13.30 | 13.27 | 13.27 | 13.22 | 13.20 | 13.11 | 13.11 | 13.07 | 13.07 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 16.70 | m. (MSL.) , | at 18.00 Hours , on Jul 2, 2006 | | |
| Zero Gage at Bottom Elevation | 12.45 | m. (MSL.) , | River Bed | 12.67 | m. (MSL.) |
| Left Bank Elevation | 16.15 | m. (MSL.) , | | | |
| Right Bank Elevation | 16.48 | m. (MSL.) , | Drainage Are | 61 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.11 | 0.17 | 0.18 | 0.40 | 0.76 | 0.20 | 0.48 | 0.15 | 0.12 | 0.13 | 0.02 | 0.04 | | |
| 2 | 0.11 | 0.17 | 0.18 | 47.20 | 2.08 | 0.19 | 0.34 | 0.15 | 0.11 | 0.13 | 0.02 | 0.03 | | |
| 3 | 0.12 | 0.17 | 0.18 | 12.80 | 1.92 | 0.17 | 0.28 | 0.14 | 0.11 | 0.12 | 0.01 | 0.02 | | |
| 4 | 0.24 | 0.17 | 0.19 | 5.02 | 2.00 | 0.18 | 0.24 | 0.14 | 0.10 | 0.12 | 0.01 | 0.02 | | |
| 5 | 0.18 | 0.18 | 0.19 | 2.72 | 2.08 | 0.40 | 0.19 | 0.15 | 0.10 | 0.12 | 0.01 | 0.02 | | |
| 6 | 0.17 | 0.18 | 0.18 | 1.08 | 2.00 | 0.38 | 0.20 | 0.15 | 7.44 | 0.11 | 0.01 | 0.01 | | |
| 7 | 0.16 | 0.18 | 0.18 | 0.44 | 1.60 | 0.34 | 0.18 | 0.16 | 1.60 | 0.11 | 0.02 | 0.01 | | |
| 8 | 0.14 | 0.17 | 0.17 | 0.36 | 1.00 | 0.30 | 0.17 | 0.16 | 0.84 | 0.12 | 0.02 | 0.01 | | |
| 9 | 0.13 | 0.17 | 0.14 | 0.34 | 0.48 | 0.30 | 0.26 | 0.15 | 0.36 | 0.12 | 0.03 | 0.00 | | |
| 10 | 0.13 | 0.17 | 0.11 | 0.32 | 3.44 | 0.26 | 0.40 | 0.18 | 0.20 | 0.13 | 0.04 | 0.00 | | |
| 11 | 0.13 | 0.18 | 0.10 | 0.30 | 7.92 | 0.36 | 0.34 | 0.19 | 0.18 | 0.13 | 0.04 | 0.00 | | |
| 12 | 0.13 | 0.18 | 0.10 | 0.30 | 6.96 | 0.52 | 0.32 | 0.16 | 0.17 | 0.12 | 0.04 | 0.00 | | |
| 13 | 0.13 | 0.19 | 0.09 | 0.34 | 6.00 | 1.16 | 0.30 | 0.15 | 0.16 | 0.12 | 0.04 | 0.00 | | |
| 14 | 0.13 | 0.19 | 0.08 | 0.48 | 4.88 | 1.68 | 0.30 | 0.15 | 0.15 | 0.11 | 0.04 | 0.00 | | |
| 15 | 0.14 | 0.20 | 0.08 | 0.52 | 14.40 | 1.92 | 0.28 | 0.15 | 0.14 | 0.10 | 0.04 | 0.00 | | |
| 16 | 0.14 | 0.24 | 0.07 | 0.52 | 24.60 | 1.60 | 0.28 | 0.14 | 0.14 | 0.10 | 0.03 | 0.00 | | |
| 17 | 0.14 | 0.28 | 0.07 | 0.56 | 11.40 | 0.96 | 0.26 | 0.14 | 0.13 | 0.09 | 0.03 | 0.00 | | |
| 18 | 0.16 | 0.30 | 0.06 | 0.68 | 5.02 | 0.80 | 0.24 | 0.14 | 0.13 | 0.07 | 0.03 | 0.00 | | |
| 19 | 0.16 | 0.32 | 0.06 | 0.76 | 1.68 | 0.72 | 0.22 | 0.15 | 0.12 | 0.05 | 0.03 | 0.00 | | |
| 20 | 0.17 | 0.84 | 0.07 | 0.80 | 0.96 | 0.52 | 0.20 | 0.15 | 0.12 | 0.02 | 0.03 | 0.00 | | |
| 21 | 0.17 | 0.48 | 0.07 | 0.72 | 0.92 | 0.48 | 0.20 | 0.14 | 0.12 | 0.02 | 0.03 | 0.00 | | |
| 22 | 0.17 | 0.30 | 0.06 | 0.60 | 0.60 | 0.52 | 0.20 | 0.14 | 0.10 | 0.02 | 0.02 | 0.00 | | |
| 23 | 0.17 | 0.26 | 0.06 | 0.48 | 0.88 | 0.56 | 0.19 | 0.13 | 0.10 | 0.02 | 0.02 | 0.00 | | |
| 24 | 0.17 | 0.24 | 0.10 | 0.38 | 0.76 | 0.80 | 0.22 | 0.13 | 0.11 | 0.01 | 0.02 | 0.00 | | |
| 25 | 0.18 | 0.24 | 1.92 | 0.34 | 0.60 | 1.12 | 0.24 | 0.13 | 0.11 | 0.01 | 0.02 | 0.00 | | |
| 26 | 0.18 | 0.22 | 0.76 | 0.30 | 0.52 | 1.00 | 0.26 | 0.12 | 0.12 | 0.01 | 0.03 | 0.00 | | |
| 27 | 0.18 | 0.24 | 0.38 | 0.30 | 0.44 | 0.92 | 0.26 | 0.12 | 0.12 | 0.02 | 0.04 | 0.00 | | |
| 28 | 0.18 | 0.28 | 0.34 | 0.28 | 0.40 | 0.76 | 0.24 | 0.12 | 0.12 | 0.02 | 0.04 | 0.00 | | |
| 29 | 0.18 | 0.34 | 0.32 | 0.28 | 0.30 | 0.64 | 0.26 | 0.13 | 0.12 | 0.03 | | 0.00 | | |
| 30 | 0.18 | 0.38 | 0.34 | 0.26 | 0.26 | 0.60 | 0.26 | 0.12 | 0.12 | 0.03 | | 0.00 | | |
| 31 | | 0.22 | | 0.24 | 0.20 | | 0.26 | | 0.12 | 0.03 | | 0.00 | | |
| Total | 4.68 | 7.85 | 6.83 | 80.12 | 107.06 | 20.36 | 8.07 | 4.33 | 13.68 | 2.34 | 0.76 | 0.16 | 256.24 | CMSDAY |
| Mean | 0.16 | 0.25 | 0.23 | 2.58 | 3.45 | 0.68 | 0.26 | 0.14 | 0.44 | 0.08 | 0.03 | 0.01 | 0.70 | CMS |
| Max | 0.24 | 0.84 | 1.92 | 47.20 | 24.60 | 1.92 | 0.48 | 0.19 | 7.44 | 0.13 | 0.04 | 0.04 | 47.20 | CMS |
| Min | 0.11 | 0.17 | 0.06 | 0.24 | 0.20 | 0.17 | 0.17 | 0.12 | 0.10 | 0.01 | 0.01 | 0.00 | 0.00 | CMS |
| Runoff | 0.40 | 0.68 | 0.59 | 6.92 | 9.25 | 1.76 | 0.70 | 0.37 | 1.18 | 0.20 | 0.07 | 0.01 | 22.14 | MCM |

Momentary Peak 88.40 CMS. at 16.70 m. (MSL.) at 18.00 Hours , on Jul 2, 2006

Runoff Yield 11.51 Liters/Second/Square KM. Momentary Peak Yield 1449.18 Liters/Second/Square KM.

## WATER YEAR : 2006

## KUI BURI RIVER BASIN

### Kui Buri River at Ban Thung Faek , Prachuap Khiri Khan (Ky.3)

Lat 12 - 05 - 46 N Long 99 - 47 - 26 E

**Location : on left bank at Bunchuai Bamrungrat Bridge near Wat Udom Wararam.**

**Ban** Thung Faek **Amphoe** Kui Buri **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 537 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +19.789 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 1 meter from the top staff gage. **Elevation** +25.925 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1997 to date |
| **Rating Operation** | |
| **Period of Rating** | 1997 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1997 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 35 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

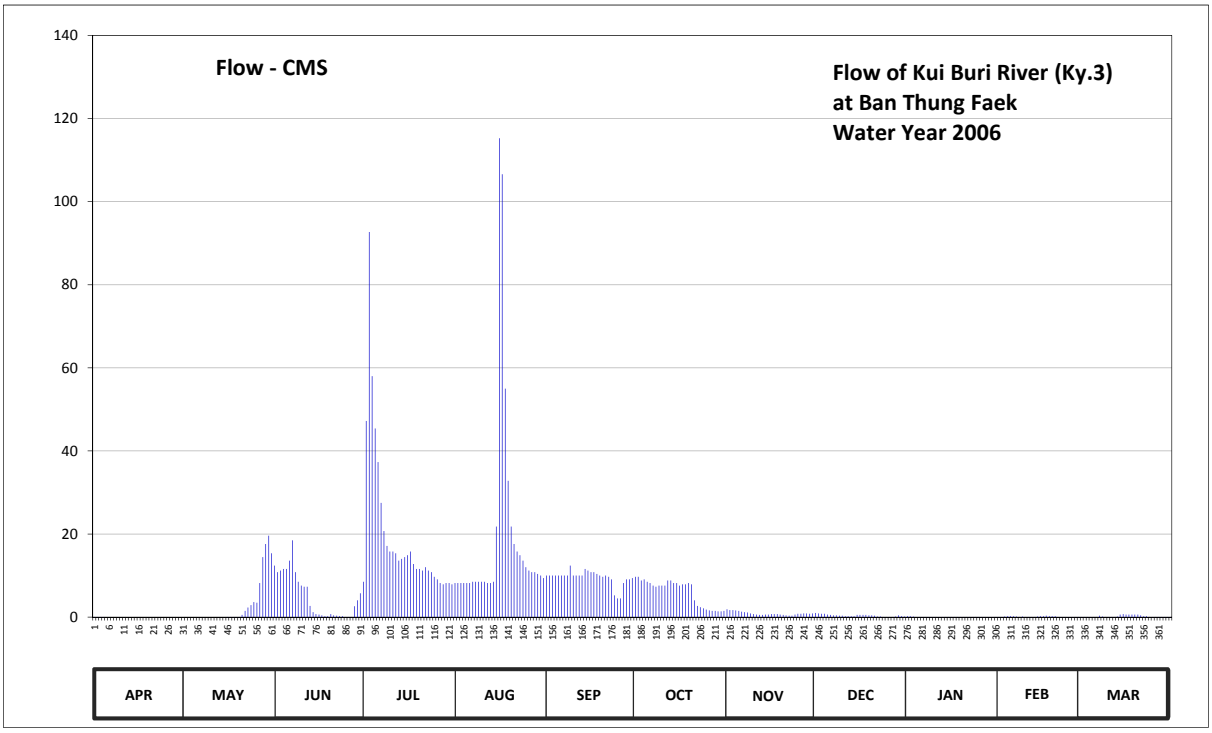
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21.68 | 21.62 | 22.46 | 22.35 | 22.34 | 22.40 | 22.39 | 21.99 | 21.90 | 21.82 | 21.80 | 21.79 | |
| 2 | 21.69 | 21.64 | 22.42 | 22.98 | 22.34 | 22.40 | 22.39 | 21.97 | 21.89 | 21.82 | 21.80 | 21.79 | |
| 3 | 21.69 | 21.64 | 22.43 | 23.39 | 22.34 | 22.40 | 22.36 | 21.97 | 21.88 | 21.81 | 21.81 | 21.80 | |
| 4 | 21.68 | 21.61 | 22.44 | 23.09 | 22.34 | 22.40 | 22.37 | 21.96 | 21.88 | 21.80 | 21.82 | 21.79 | |
| 5 | 21.67 | 21.61 | 22.44 | 22.96 | 22.34 | 22.40 | 22.35 | 21.95 | 21.86 | 21.80 | 21.82 | 21.79 | |
| 6 | 21.65 | 21.61 | 22.49 | 22.87 | 22.34 | 22.40 | 22.34 | 21.93 | 21.85 | 21.80 | 21.82 | 21.80 | |
| 7 | 21.64 | 21.60 | 22.60 | 22.75 | 22.35 | 22.40 | 22.32 | 21.92 | 21.84 | 21.79 | 21.81 | 21.83 | |
| 8 | 21.64 | 21.59 | 22.42 | 22.64 | 22.35 | 22.40 | 22.31 | 21.91 | 21.84 | 21.78 | 21.80 | 21.81 | |
| 9 | 21.63 | 21.63 | 22.35 | 22.57 | 22.35 | 22.46 | 22.32 | 21.89 | 21.83 | 21.77 | 21.81 | 21.80 | |
| 10 | 21.62 | 21.63 | 22.32 | 22.54 | 22.35 | 22.40 | 22.32 | 21.87 | 21.83 | 21.78 | 21.79 | 21.80 | |
| 11 | 21.62 | 21.64 | 22.31 | 22.54 | 22.35 | 22.40 | 22.32 | 21.86 | 21.82 | 21.78 | 21.77 | 21.80 | |
| 12 | 21.62 | 21.66 | 22.31 | 22.53 | 22.34 | 22.40 | 22.36 | 21.85 | 21.82 | 21.78 | 21.76 | 21.80 | |
| 13 | 21.63 | 21.67 | 22.07 | 22.49 | 22.34 | 22.40 | 22.36 | 21.85 | 21.82 | 21.78 | 21.77 | 21.81 | |
| 14 | 21.64 | 21.65 | 21.92 | 22.50 | 22.35 | 22.44 | 22.34 | 21.86 | 21.82 | 21.77 | 21.81 | 21.86 | |
| 15 | 21.67 | 21.67 | 21.87 | 22.51 | 22.66 | 22.43 | 22.34 | 21.86 | 21.85 | 21.77 | 21.82 | 21.87 | |
| 16 | 21.66 | 21.73 | 21.86 | 22.52 | 23.55 | 22.42 | 22.32 | 21.87 | 21.85 | 21.80 | 21.82 | 21.86 | |
| 17 | 21.65 | 21.77 | 21.84 | 22.54 | 23.49 | 22.42 | 22.33 | 21.87 | 21.85 | 21.77 | 21.83 | 21.86 | |
| 18 | 21.65 | 21.74 | 21.82 | 22.47 | 23.06 | 22.41 | 22.33 | 21.87 | 21.85 | 21.76 | 21.82 | 21.86 | |
| 19 | 21.66 | 21.71 | 21.82 | 22.44 | 22.82 | 22.40 | 22.34 | 21.86 | 21.84 | 21.77 | 21.82 | 21.86 | |
| 20 | 21.66 | 21.73 | 21.87 | 22.44 | 22.66 | 22.39 | 22.33 | 21.85 | 21.84 | 21.76 | 21.82 | 21.86 | |
| 21 | 21.65 | 21.85 | 21.84 | 22.43 | 22.58 | 22.40 | 22.17 | 21.84 | 21.83 | 21.78 | 21.80 | 21.84 | |
| 22 | 21.65 | 21.95 | 21.83 | 22.45 | 22.54 | 22.39 | 22.07 | 21.83 | 21.81 | 21.79 | 21.77 | 21.82 | |
| 23 | 21.64 | 22.03 | 21.82 | 22.43 | 22.52 | 22.37 | 22.04 | 21.83 | 21.81 | 21.79 | 21.77 | 21.82 | |
| 24 | 21.63 | 22.09 | 21.82 | 22.42 | 22.49 | 22.23 | 22.01 | 21.86 | 21.80 | 21.78 | 21.77 | 21.80 | |
| 25 | 21.62 | 22.14 | 21.79 | 22.39 | 22.45 | 22.20 | 21.98 | 21.88 | 21.80 | 21.78 | 21.77 | 21.79 | |
| 26 | 21.62 | 22.13 | 21.79 | 22.37 | 22.43 | 22.20 | 21.96 | 21.88 | 21.80 | 21.77 | 21.77 | 21.79 | |
| 27 | 21.62 | 22.34 | 21.79 | 22.34 | 22.42 | 22.34 | 21.95 | 21.89 | 21.80 | 21.77 | 21.76 | 21.78 | |
| 28 | 21.62 | 22.51 | 22.06 | 22.33 | 22.42 | 22.37 | 21.95 | 21.89 | 21.81 | 21.77 | 21.76 | 21.77 | |
| 29 | 21.62 | 22.58 | 22.17 | 22.34 | 22.41 | 22.37 | 21.94 | 21.88 | 21.84 | 21.78 | | 21.77 | |
| 30 | 21.62 | 22.62 | 22.25 | 22.34 | 22.40 | 22.38 | 21.94 | 21.89 | 21.82 | 21.80 | | 21.77 | |
| 31 | | 22.53 | | 22.33 | 22.38 | | 21.95 | | 21.81 | 21.80 | | 21.77 | |
| Mean | 21.64 | 21.87 | 22.11 | 22.56 | 22.52 | 22.38 | 22.22 | 21.89 | 21.84 | 21.78 | 21.80 | 21.81 | |
| Max | 21.69 | 22.62 | 22.60 | 23.39 | 23.55 | 22.46 | 22.39 | 21.99 | 21.90 | 21.82 | 21.83 | 21.87 | 23.55 |
| Min | 21.62 | 21.59 | 21.79 | 22.33 | 22.34 | 22.20 | 21.94 | 21.83 | 21.80 | 21.76 | 21.76 | 21.77 | 21.59 |

Annual Max Momentary Gage Height 23.69 m. (MSL.) , at 18.00 Hours , on Aug 16, 2006

Zero Gage at Bottom Elevation 19.79 m. (MSL.) , River Bed 21.60 m. (MSL.)

Left Bank Elevation 24.25 m. (MSL.) ,

Right Bank Elevation 24.60 m. (MSL.) , Drainage Are 537 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.02 | 0.00 | 12.40 | 8.50 | 8.20 | 10.00 | 9.70 | 1.90 | 1.00 | 0.23 | 0.04 | 0.04 | | |
| 2 | 0.02 | 0.01 | 10.80 | 47.20 | 8.20 | 10.00 | 9.70 | 1.70 | 0.90 | 0.23 | 0.04 | 0.04 | | |
| 3 | 0.02 | 0.01 | 11.20 | 92.70 | 8.20 | 10.00 | 8.80 | 1.70 | 0.81 | 0.14 | 0.14 | 0.04 | | |
| 4 | 0.02 | 0.00 | 11.60 | 58.00 | 8.20 | 10.00 | 9.10 | 1.60 | 0.81 | 0.04 | 0.23 | 0.04 | | |
| 5 | 0.01 | 0.00 | 11.60 | 45.40 | 8.20 | 10.00 | 8.50 | 1.50 | 0.62 | 0.04 | 0.23 | 0.04 | | |
| 6 | 0.01 | 0.00 | 13.60 | 37.30 | 8.20 | 10.00 | 8.20 | 1.30 | 0.52 | 0.04 | 0.23 | 0.04 | | |
| 7 | 0.01 | 0.00 | 18.50 | 27.50 | 8.50 | 10.00 | 7.60 | 1.20 | 0.42 | 0.04 | 0.14 | 0.33 | | |
| 8 | 0.01 | 0.00 | 10.80 | 20.70 | 8.50 | 10.00 | 7.30 | 1.10 | 0.42 | 0.04 | 0.04 | 0.14 | | |
| 9 | 0.01 | 0.01 | 8.50 | 17.15 | 8.50 | 12.40 | 7.60 | 0.90 | 0.33 | 0.03 | 0.14 | 0.04 | | |
| 10 | 0.00 | 0.01 | 7.60 | 15.80 | 8.50 | 10.00 | 7.60 | 0.71 | 0.33 | 0.04 | 0.04 | 0.04 | | |
| 11 | 0.00 | 0.01 | 7.30 | 15.80 | 8.50 | 10.00 | 7.60 | 0.62 | 0.23 | 0.04 | 0.03 | 0.04 | | |
| 12 | 0.00 | 0.01 | 7.30 | 15.35 | 8.20 | 10.00 | 8.80 | 0.52 | 0.23 | 0.04 | 0.03 | 0.04 | | |
| 13 | 0.01 | 0.01 | 2.70 | 13.60 | 8.20 | 10.00 | 8.80 | 0.52 | 0.23 | 0.04 | 0.03 | 0.14 | | |
| 14 | 0.01 | 0.01 | 1.20 | 14.00 | 8.50 | 11.60 | 8.20 | 0.62 | 0.23 | 0.03 | 0.14 | 0.62 | | |
| 15 | 0.01 | 0.01 | 0.71 | 14.45 | 21.80 | 11.20 | 8.20 | 0.62 | 0.52 | 0.03 | 0.23 | 0.71 | | |
| 16 | 0.01 | 0.03 | 0.62 | 14.90 | 115.25 | 10.80 | 7.60 | 0.71 | 0.52 | 0.04 | 0.23 | 0.62 | | |
| 17 | 0.01 | 0.03 | 0.42 | 15.80 | 106.60 | 10.80 | 7.90 | 0.71 | 0.52 | 0.03 | 0.33 | 0.62 | | |
| 18 | 0.01 | 0.03 | 0.23 | 12.80 | 55.00 | 10.40 | 7.90 | 0.71 | 0.52 | 0.03 | 0.23 | 0.62 | | |
| 19 | 0.01 | 0.02 | 0.23 | 11.60 | 32.80 | 10.00 | 8.20 | 0.62 | 0.42 | 0.03 | 0.23 | 0.62 | | |
| 20 | 0.01 | 0.03 | 0.71 | 11.60 | 21.80 | 9.70 | 7.90 | 0.52 | 0.42 | 0.03 | 0.23 | 0.62 | | |
| 21 | 0.01 | 0.52 | 0.42 | 11.20 | 17.60 | 10.00 | 4.05 | 0.42 | 0.33 | 0.04 | 0.04 | 0.42 | | |
| 22 | 0.01 | 1.50 | 0.33 | 12.00 | 15.80 | 9.70 | 2.70 | 0.33 | 0.14 | 0.04 | 0.03 | 0.23 | | |
| 23 | 0.01 | 2.30 | 0.23 | 11.20 | 14.90 | 9.10 | 2.40 | 0.33 | 0.14 | 0.04 | 0.03 | 0.23 | | |
| 24 | 0.01 | 2.90 | 0.23 | 10.80 | 13.60 | 5.25 | 2.10 | 0.62 | 0.04 | 0.04 | 0.03 | 0.04 | | |
| 25 | 0.00 | 3.60 | 0.04 | 9.70 | 12.00 | 4.50 | 1.80 | 0.81 | 0.04 | 0.04 | 0.03 | 0.04 | | |
| 26 | 0.00 | 3.45 | 0.04 | 9.10 | 11.20 | 4.50 | 1.60 | 0.81 | 0.04 | 0.03 | 0.03 | 0.04 | | |
| 27 | 0.00 | 8.20 | 0.04 | 8.20 | 10.80 | 8.20 | 1.50 | 0.90 | 0.04 | 0.03 | 0.03 | 0.04 | | |
| 28 | 0.00 | 14.45 | 2.60 | 7.90 | 10.80 | 9.10 | 1.50 | 0.90 | 0.14 | 0.03 | 0.03 | 0.03 | | |
| 29 | 0.00 | 17.60 | 4.05 | 8.20 | 10.40 | 9.10 | 1.40 | 0.81 | 0.42 | 0.04 | | 0.03 | | |
| 30 | 0.00 | 19.60 | 5.75 | 8.20 | 10.00 | 9.40 | 1.40 | 0.90 | 0.23 | 0.04 | | 0.03 | | |
| 31 | | 15.35 | | 7.90 | 9.40 | | 1.50 | | 0.14 | 0.04 | | 0.03 | | |
| Total | 0.25 | 89.70 | 151.75 | 614.55 | 606.35 | 285.75 | 187.15 | 26.61 | 11.70 | 1.62 | 3.23 | 6.60 | 1985.26 | CMSDAY |
| Mean | 0.01 | 2.89 | 5.06 | 19.82 | 19.56 | 9.53 | 6.04 | 0.89 | 0.38 | 0.05 | 0.12 | 0.21 | 5.44 | CMS |
| Max | 0.02 | 19.60 | 18.50 | 92.70 | 115.25 | 12.40 | 9.70 | 1.90 | 1.00 | 0.23 | 0.33 | 0.71 | 115.25 | CMS |
| Min | 0.00 | 0.00 | 0.04 | 7.90 | 8.20 | 4.50 | 1.40 | 0.33 | 0.04 | 0.03 | 0.03 | 0.03 | 0.00 | CMS |
| Runoff | 0.02 | 7.75 | 13.11 | 53.10 | 52.39 | 24.69 | 16.17 | 2.30 | 1.01 | 0.14 | 0.28 | 0.57 | 171.53 | MCM |

Momentary Peak 136.45 CMS. at 23.69 m. (MSL.) at 18.00 Hours , on Aug 16, 2006

Runoff Yield 10.13 Liters/Second/Square KM. Momentary Peak Yield 254.10 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Chumphon at Ban Wang Phai , Chumphon (X.53A)

Lat 10 - 30 - 20 N Long 99 - 07 - 15 E

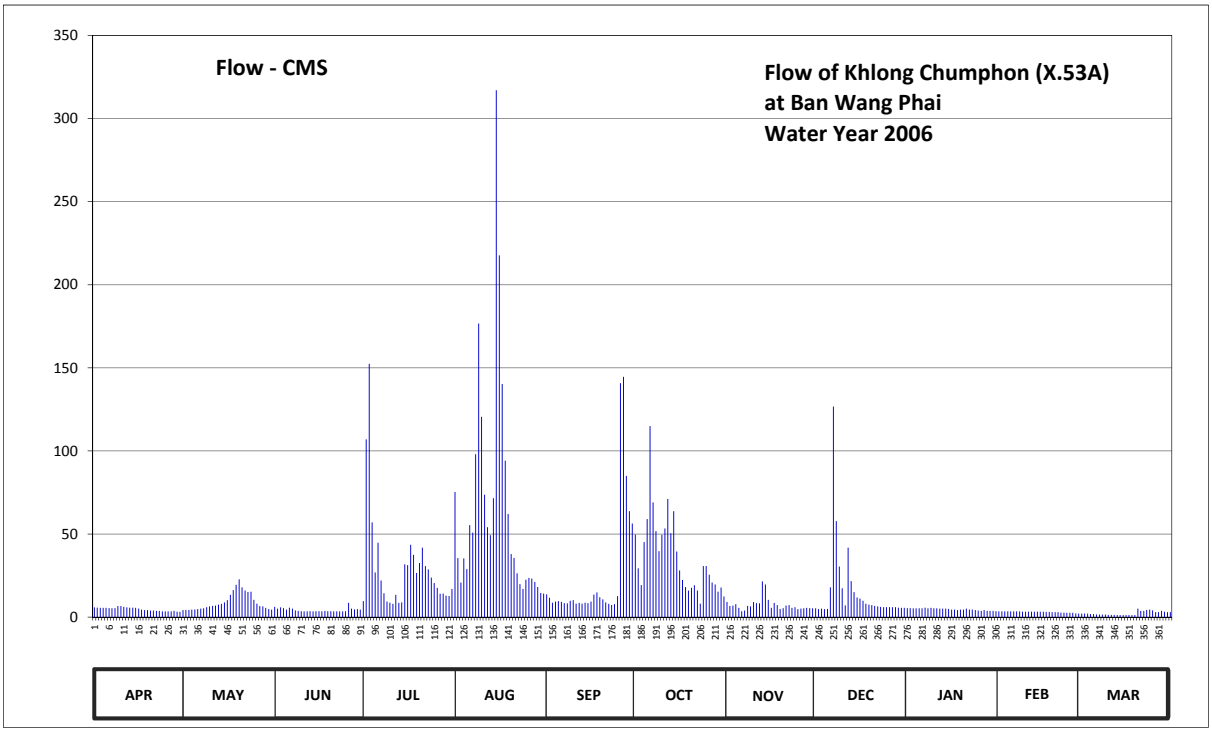
**Location : on left bank about 9.50 kilometers downstream from X.53 station.**

| | |
|---|---|
| | **Ban** Wang Phai **Amphoe** Mueang **Changwat** Chumphon |
| **Drainge Area** | 296 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 3.30 meters from the top staff gage. **Elevation** +10.538 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1991 to date |
| **Rating Operation** | |
| **Period of Rating** | 1991 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1991 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 33 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.59 | 2.48 | 2.61 | 2.84 | 6.38 | 3.10 | 5.17 | 2.81 | 2.55 | 2.56 | 2.43 | 2.34 | |
| 2 | 2.58 | 2.49 | 2.54 | 7.46 | 4.37 | 2.97 | 4.02 | 2.65 | 2.52 | 2.56 | 2.43 | 2.34 | |
| 3 | 2.57 | 2.49 | 2.59 | 8.51 | 3.53 | 2.78 | 3.44 | 2.66 | 2.54 | 2.55 | 2.43 | 2.34 | |
| 4 | 2.57 | 2.50 | 2.56 | 5.54 | 4.36 | 2.82 | 4.92 | 2.72 | 2.52 | 2.55 | 2.43 | 2.32 | |
| 5 | 2.57 | 2.51 | 2.50 | 3.88 | 3.99 | 2.84 | 5.64 | 2.57 | 2.53 | 2.55 | 2.43 | 2.32 | |
| 6 | 2.56 | 2.52 | 2.58 | 4.90 | 5.46 | 2.81 | 7.68 | 2.44 | 3.36 | 2.55 | 2.43 | 2.31 | |
| 7 | 2.55 | 2.54 | 2.54 | 3.60 | 5.23 | 2.76 | 6.11 | 2.46 | 7.98 | 2.58 | 2.43 | 2.30 | |
| 8 | 2.56 | 2.55 | 2.47 | 3.14 | 7.20 | 2.75 | 5.28 | 2.65 | 5.58 | 2.55 | 2.43 | 2.30 | |
| 9 | 2.64 | 2.60 | 2.45 | 2.82 | 8.83 | 2.85 | 4.61 | 2.63 | 4.08 | 2.57 | 2.42 | 2.30 | |
| 10 | 2.64 | 2.63 | 2.44 | 2.78 | 7.83 | 2.88 | 5.16 | 2.80 | 3.32 | 2.55 | 2.42 | 2.29 | |
| 11 | 2.61 | 2.65 | 2.43 | 2.73 | 6.31 | 2.74 | 5.36 | 2.76 | 2.67 | 2.55 | 2.42 | 2.29 | |
| 12 | 2.59 | 2.66 | 2.43 | 3.08 | 5.40 | 2.77 | 6.20 | 2.75 | 4.73 | 2.54 | 2.42 | 2.29 | |
| 13 | 2.58 | 2.70 | 2.44 | 2.77 | 5.15 | 2.74 | 5.21 | 3.57 | 3.58 | 2.54 | 2.42 | 2.28 | |
| 14 | 2.58 | 2.73 | 2.43 | 2.79 | 6.22 | 2.78 | 5.87 | 3.46 | 3.18 | 2.54 | 2.42 | 2.28 | |
| 15 | 2.57 | 2.79 | 2.44 | 4.16 | 9.80 | 2.76 | 4.60 | 2.89 | 2.98 | 2.53 | 2.42 | 2.28 | |
| 16 | 2.54 | 2.88 | 2.44 | 4.13 | 9.22 | 2.82 | 3.95 | 2.57 | 2.94 | 2.50 | 2.42 | 2.28 | |
| 17 | 2.50 | 3.08 | 2.43 | 4.83 | 8.29 | 3.09 | 3.62 | 2.77 | 2.85 | 2.50 | 2.41 | 2.28 | |
| 18 | 2.48 | 3.26 | 2.45 | 4.48 | 7.07 | 3.17 | 3.37 | 2.68 | 2.74 | 2.48 | 2.41 | 2.28 | |
| 19 | 2.48 | 3.45 | 2.44 | 3.86 | 5.79 | 2.99 | 3.24 | 2.53 | 2.70 | 2.50 | 2.40 | 2.28 | |
| 20 | 2.46 | 3.64 | 2.44 | 4.20 | 4.51 | 2.91 | 3.34 | 2.56 | 2.68 | 2.50 | 2.40 | 2.54 | |
| 21 | 2.46 | 3.36 | 2.43 | 4.73 | 4.38 | 2.79 | 3.43 | 2.66 | 2.65 | 2.54 | 2.40 | 2.45 | |
| 22 | 2.45 | 3.24 | 2.43 | 4.10 | 3.85 | 2.73 | 3.24 | 2.68 | 2.63 | 2.50 | 2.38 | 2.45 | |
| 23 | 2.45 | 3.19 | 2.43 | 3.98 | 3.47 | 2.69 | 2.74 | 2.57 | 2.61 | 2.50 | 2.38 | 2.49 | |
| 24 | 2.43 | 3.20 | 2.43 | 3.70 | 3.30 | 2.72 | 4.10 | 2.60 | 2.60 | 2.48 | 2.37 | 2.50 | |
| 25 | 2.43 | 2.89 | 2.44 | 3.51 | 3.63 | 3.03 | 4.10 | 2.52 | 2.60 | 2.46 | 2.37 | 2.47 | |
| 26 | 2.43 | 2.74 | 2.77 | 3.34 | 3.69 | 8.30 | 3.80 | 2.54 | 2.60 | 2.45 | 2.37 | 2.40 | |
| 27 | 2.43 | 2.64 | 2.54 | 3.12 | 3.67 | 8.38 | 3.53 | 2.55 | 2.60 | 2.48 | 2.35 | 2.40 | |
| 28 | 2.45 | 2.63 | 2.51 | 3.13 | 3.55 | 6.75 | 3.46 | 2.57 | 2.60 | 2.45 | 2.34 | 2.45 | |
| 29 | 2.42 | 2.57 | 2.52 | 3.05 | 3.37 | 5.87 | 3.20 | 2.56 | 2.58 | 2.45 | | 2.42 | |
| 30 | 2.41 | 2.52 | 2.50 | 3.04 | 3.15 | 5.51 | 3.35 | 2.55 | 2.57 | 2.45 | | 2.40 | |
| 31 | | 2.50 | | 3.30 | 3.13 | | 3.02 | | 2.57 | 2.44 | | 2.40 | |
| Mean | 2.52 | 2.79 | 2.49 | 3.92 | 5.29 | 3.54 | 4.35 | 2.69 | 3.12 | 2.51 | 2.41 | 2.36 | |
| Max | 2.64 | 3.64 | 2.77 | 8.51 | 9.80 | 8.38 | 7.68 | 3.57 | 7.98 | 2.58 | 2.43 | 2.54 | 9.80 |
| Min | 2.41 | 2.48 | 2.43 | 2.73 | 3.13 | 2.69 | 2.74 | 2.44 | 2.52 | 2.44 | 2.34 | 2.28 | 2.28 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 9.85 | m. (MSL.) , | at 18.00 Hours , on Aug 15, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 1.97 | m. (MSL.) |
| Left Bank Elevation | 10.40 | m. (MSL.) , | | | |
| Right Bank Elevation | 10.41 | m. (MSL.) , | Drainage Are | 296 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.85 | 4.20 | 6.15 | 9.62 | 75.32 | 13.70 | 49.65 | 9.16 | 5.25 | 5.40 | 3.45 | 2.10 | | |
| 2 | 5.70 | 4.35 | 5.10 | 106.96 | 35.48 | 11.64 | 29.35 | 6.75 | 4.80 | 5.40 | 3.45 | 2.10 | | |
| 3 | 5.55 | 4.35 | 5.85 | 152.38 | 20.81 | 8.70 | 19.28 | 6.90 | 5.10 | 5.25 | 3.45 | 2.10 | | |
| 4 | 5.55 | 4.50 | 5.40 | 56.97 | 35.30 | 9.31 | 45.10 | 7.80 | 4.80 | 5.25 | 3.45 | 1.80 | | |
| 5 | 5.55 | 4.65 | 4.50 | 26.90 | 28.83 | 9.62 | 59.02 | 5.55 | 4.95 | 5.25 | 3.45 | 1.80 | | |
| 6 | 5.40 | 4.80 | 5.70 | 44.75 | 55.33 | 9.16 | 114.92 | 3.60 | 17.94 | 5.25 | 3.45 | 1.65 | | |
| 7 | 5.25 | 5.10 | 5.10 | 22.00 | 50.79 | 8.40 | 68.98 | 3.90 | 126.68 | 5.70 | 3.45 | 1.50 | | |
| 8 | 5.40 | 5.25 | 4.05 | 14.34 | 98.00 | 8.25 | 51.76 | 6.75 | 57.79 | 5.25 | 3.45 | 1.50 | | |
| 9 | 6.60 | 6.00 | 3.75 | 9.31 | 176.70 | 9.78 | 39.68 | 6.45 | 30.40 | 5.55 | 3.30 | 1.50 | | |
| 10 | 6.60 | 6.45 | 3.60 | 8.70 | 120.53 | 10.24 | 49.46 | 9.00 | 17.28 | 5.25 | 3.30 | 1.35 | | |
| 11 | 6.15 | 6.75 | 3.45 | 7.95 | 73.64 | 8.10 | 53.32 | 8.40 | 7.05 | 5.25 | 3.30 | 1.35 | | |
| 12 | 5.85 | 6.90 | 3.45 | 13.38 | 54.10 | 8.55 | 71.00 | 8.25 | 41.78 | 5.10 | 3.30 | 1.35 | | |
| 13 | 5.70 | 7.50 | 3.60 | 8.55 | 49.28 | 8.10 | 50.40 | 21.49 | 21.66 | 5.10 | 3.30 | 1.20 | | |
| 14 | 5.70 | 7.95 | 3.45 | 8.85 | 71.48 | 8.70 | 63.77 | 19.62 | 14.98 | 5.10 | 3.30 | 1.20 | | |
| 15 | 5.55 | 8.85 | 3.60 | 31.80 | 317.00 | 8.40 | 39.50 | 10.40 | 11.79 | 4.95 | 3.30 | 1.20 | | |
| 16 | 5.10 | 10.24 | 3.60 | 31.28 | 217.70 | 9.31 | 28.13 | 5.55 | 11.17 | 4.50 | 3.30 | 1.20 | | |
| 17 | 4.50 | 13.38 | 3.45 | 43.53 | 140.28 | 13.54 | 22.35 | 8.55 | 9.78 | 4.50 | 3.15 | 1.20 | | |
| 18 | 4.20 | 16.29 | 3.75 | 37.40 | 94.10 | 14.82 | 18.11 | 7.20 | 8.10 | 4.20 | 3.15 | 1.20 | | |
| 19 | 4.20 | 19.45 | 3.60 | 26.55 | 62.10 | 11.95 | 15.96 | 4.95 | 7.50 | 4.50 | 3.00 | 1.20 | | |
| 20 | 3.90 | 22.70 | 3.60 | 32.50 | 37.93 | 10.71 | 17.61 | 5.40 | 7.20 | 4.50 | 3.00 | 5.10 | | |
| 21 | 3.90 | 17.94 | 3.45 | 41.78 | 35.65 | 8.85 | 19.11 | 6.90 | 6.75 | 5.10 | 3.00 | 3.75 | | |
| 22 | 3.75 | 15.96 | 3.45 | 30.75 | 26.38 | 7.95 | 15.96 | 7.20 | 6.45 | 4.50 | 2.70 | 3.75 | | |
| 23 | 3.75 | 15.14 | 3.45 | 28.65 | 19.79 | 7.35 | 8.10 | 5.55 | 6.15 | 4.50 | 2.70 | 4.35 | | |
| 24 | 3.45 | 15.30 | 3.45 | 23.75 | 16.95 | 7.80 | 30.75 | 6.00 | 6.00 | 4.20 | 2.55 | 4.50 | | |
| 25 | 3.45 | 10.40 | 3.60 | 20.47 | 22.53 | 12.58 | 30.75 | 4.80 | 6.00 | 3.90 | 2.55 | 4.05 | | |
| 26 | 3.45 | 8.10 | 8.55 | 17.61 | 23.58 | 140.75 | 25.50 | 5.10 | 6.00 | 3.75 | 2.55 | 3.00 | | |
| 27 | 3.45 | 6.60 | 5.10 | 14.02 | 23.23 | 144.55 | 20.81 | 5.25 | 6.00 | 4.20 | 2.25 | 3.00 | | |
| 28 | 3.75 | 6.45 | 4.65 | 14.18 | 21.15 | 84.98 | 19.62 | 5.55 | 6.00 | 3.75 | 2.10 | 3.75 | | |
| 29 | 3.30 | 5.55 | 4.80 | 12.90 | 18.11 | 63.77 | 15.30 | 5.40 | 5.70 | 3.75 | | 3.30 | | |
| 30 | 3.15 | 4.80 | 4.50 | 12.74 | 14.50 | 56.36 | 17.78 | 5.25 | 5.55 | 3.75 | | 3.00 | | |
| 31 | | 4.50 | | 16.95 | 14.18 | | 12.42 | | 5.55 | 3.60 | | 3.00 | | |
| Total | 143.70 | 280.40 | 129.75 | 927.52 | 2050.75 | 735.92 | 1123.45 | 222.67 | 482.15 | 146.25 | 86.70 | 73.05 | 6402.31 | CMSDAY |
| Mean | 4.79 | 9.05 | 4.33 | 29.92 | 66.15 | 24.53 | 36.24 | 7.42 | 15.55 | 4.72 | 3.10 | 2.36 | 17.54 | CMS |
| Max | 6.60 | 22.70 | 8.55 | 152.38 | 317.00 | 144.55 | 114.92 | 21.49 | 126.68 | 5.70 | 3.45 | 5.10 | 317.00 | CMS |
| Min | 3.15 | 4.20 | 3.45 | 7.95 | 14.18 | 7.35 | 8.10 | 3.60 | 4.80 | 3.60 | 2.10 | 1.20 | 1.20 | CMS |
| Runoff | 12.42 | 24.23 | 11.21 | 80.14 | 177.18 | 63.58 | 97.07 | 19.24 | 41.66 | 12.64 | 7.49 | 6.31 | 553.16 | MCM |

Momentary Peak 329.25 CMS. at 9.85 m. (MSL.) at 18.00 Hours , on Aug 15, 2006

Runoff Yield 59.22 Liters/Second/Square KM. Momentary Peak Yield 1111.58 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Tha Sae at Ban Tha Sae , Chumphon (X.64)

Lat 10 - 39 - 51 N Long 99 - 10 - 26 E

**Location : on left bank near the Land Cooperation Office.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Sae | **Amphoe** Tha Sae | **Changwat** Chumphon |
| **Drainge Area** | 946 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank about 6 meters from the top staff gage. | **Elevation** +19.207 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 1973 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1974 - 1975 , 1982 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1974 - 1975 , 1982 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 32 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

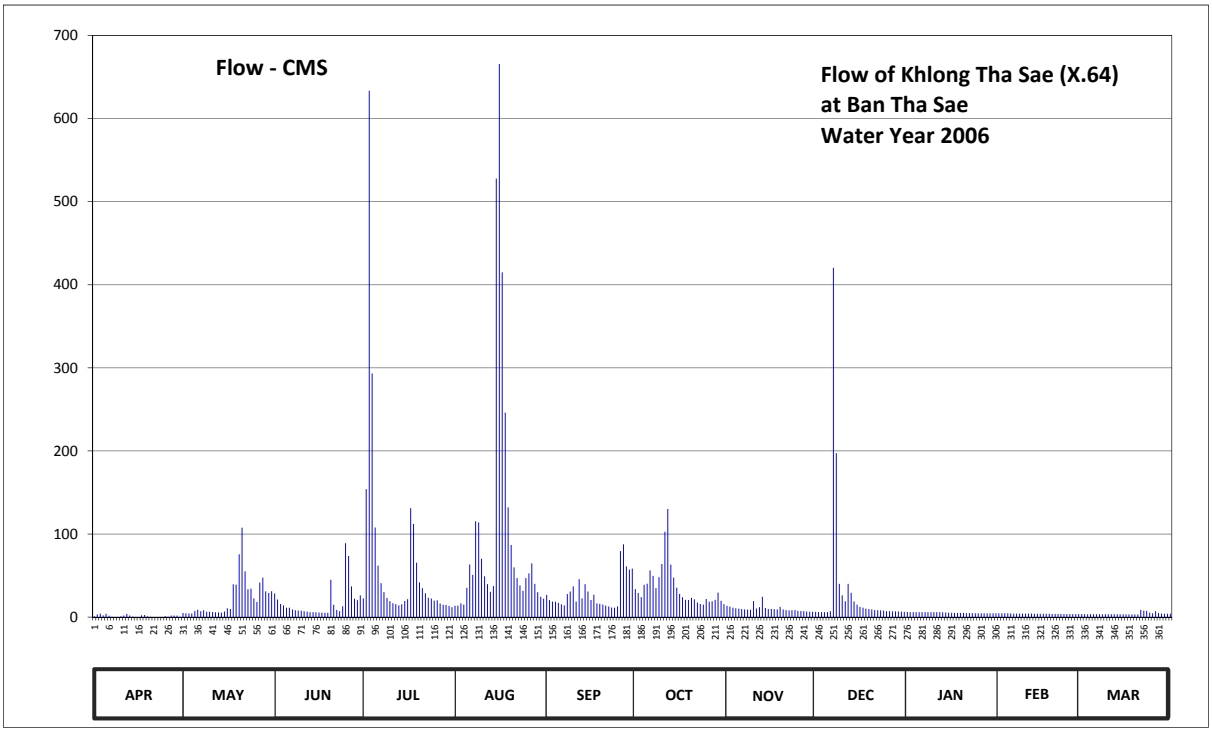
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.69 | 8.09 | 9.38 | 9.13 | 8.68 | 9.31 | 9.59 | 8.68 | 8.22 | 8.21 | 8.06 | 7.96 | |
| 2 | 7.92 | 8.07 | 9.06 | 12.84 | 8.69 | 9.02 | 9.40 | 8.63 | 8.21 | 8.20 | 8.06 | 7.95 | |
| 3 | 8.03 | 8.05 | 8.79 | 17.10 | 8.83 | 8.93 | 9.20 | 8.56 | 8.20 | 8.19 | 8.06 | 7.95 | |
| 4 | 7.81 | 8.04 | 8.70 | 15.65 | 8.75 | 8.92 | 9.76 | 8.51 | 8.20 | 8.19 | 8.06 | 7.95 | |
| 5 | 8.01 | 8.30 | 8.56 | 12.71 | 9.64 | 8.86 | 9.81 | 8.48 | 8.19 | 8.19 | 8.04 | 7.95 | |
| 6 | 7.78 | 8.39 | 8.56 | 10.53 | 10.58 | 8.77 | 10.34 | 8.45 | 8.27 | 8.19 | 8.03 | 7.95 | |
| 7 | 7.64 | 8.27 | 8.41 | 9.83 | 10.16 | 8.70 | 10.12 | 8.42 | 15.85 | 8.19 | 8.03 | 7.95 | |
| 8 | 7.58 | 8.35 | 8.35 | 9.44 | 12.03 | 9.35 | 9.63 | 8.40 | 13.62 | 8.19 | 8.03 | 7.95 | |
| 9 | 7.61 | 8.24 | 8.32 | 9.15 | 12.00 | 9.47 | 10.07 | 8.39 | 9.80 | 8.19 | 8.03 | 7.94 | |
| 10 | 7.70 | 8.24 | 8.31 | 8.96 | 10.81 | 9.70 | 10.60 | 8.96 | 9.29 | 8.19 | 8.03 | 7.94 | |
| 11 | 7.79 | 8.21 | 8.27 | 8.84 | 10.10 | 8.93 | 11.72 | 8.49 | 8.95 | 8.19 | 8.02 | 7.94 | |
| 12 | 7.99 | 8.18 | 8.23 | 8.78 | 9.79 | 9.99 | 12.36 | 8.59 | 9.80 | 8.19 | 8.02 | 7.94 | |
| 13 | 7.79 | 8.18 | 8.20 | 8.70 | 9.46 | 9.13 | 10.57 | 9.22 | 9.41 | 8.18 | 8.01 | 7.94 | |
| 14 | 7.66 | 8.13 | 8.19 | 8.77 | 9.71 | 9.79 | 10.05 | 8.53 | 8.94 | 8.16 | 8.00 | 7.94 | |
| 15 | 7.62 | 8.25 | 8.17 | 8.97 | 16.53 | 9.47 | 9.65 | 8.46 | 8.75 | 8.14 | 8.00 | 7.94 | |
| 16 | 7.60 | 8.50 | 8.15 | 9.08 | 17.26 | 9.03 | 9.36 | 8.45 | 8.62 | 8.12 | 8.00 | 7.93 | |
| 17 | 7.81 | 8.45 | 8.14 | 12.38 | 16.45 | 9.32 | 9.19 | 8.44 | 8.56 | 8.10 | 8.00 | 7.93 | |
| 18 | 7.85 | 9.78 | 8.11 | 11.95 | 15.20 | 8.83 | 9.04 | 8.42 | 8.48 | 8.10 | 8.00 | 7.93 | |
| 19 | 7.70 | 9.77 | 8.12 | 10.65 | 13.45 | 8.80 | 9.03 | 8.62 | 8.45 | 8.10 | 7.98 | 7.92 | |
| 20 | 7.63 | 10.96 | 9.96 | 9.86 | 11.28 | 8.75 | 9.15 | 8.42 | 8.41 | 8.09 | 7.98 | 7.92 | |
| 21 | 7.60 | 11.84 | 8.74 | 9.63 | 10.46 | 8.69 | 9.07 | 8.37 | 8.37 | 8.08 | 7.98 | 8.38 | |
| 22 | 7.58 | 10.30 | 8.38 | 9.39 | 10.03 | 8.64 | 8.88 | 8.34 | 8.35 | 8.08 | 7.98 | 8.31 | |
| 23 | 7.54 | 9.58 | 8.28 | 9.16 | 9.74 | 8.57 | 8.79 | 8.35 | 8.34 | 8.08 | 7.97 | 8.30 | |
| 24 | 7.55 | 9.61 | 8.65 | 9.12 | 9.50 | 8.56 | 8.75 | 8.37 | 8.32 | 8.07 | 7.97 | 8.13 | |
| 25 | 7.71 | 9.13 | 11.34 | 8.99 | 10.03 | 8.64 | 9.09 | 8.30 | 8.28 | 8.07 | 7.97 | 8.07 | |
| 26 | 7.66 | 8.91 | 10.90 | 9.01 | 10.22 | 11.07 | 8.92 | 8.29 | 8.27 | 8.07 | 7.96 | 8.28 | |
| 27 | 7.79 | 9.85 | 9.70 | 8.82 | 10.62 | 11.30 | 8.95 | 8.27 | 8.26 | 8.07 | 7.96 | 8.08 | |
| 28 | 7.80 | 10.05 | 9.11 | 8.74 | 9.80 | 10.50 | 9.04 | 8.25 | 8.26 | 8.07 | 7.96 | 8.02 | |
| 29 | 7.79 | 9.48 | 9.02 | 8.73 | 9.44 | 10.37 | 9.42 | 8.24 | 8.25 | 8.07 | | 8.01 | |
| 30 | 7.63 | 9.40 | 9.29 | 8.67 | 9.22 | 10.41 | 8.98 | 8.24 | 8.24 | 8.06 | | 8.00 | |
| 31 | | 9.49 | | 8.60 | 9.11 | | 8.78 | | 8.22 | 8.06 | | 8.00 | |
| Mean | 7.73 | 8.97 | 8.78 | 10.07 | 10.89 | 9.33 | 9.59 | 8.47 | 8.95 | 8.13 | 8.01 | 8.01 | |
| Max | 8.03 | 11.84 | 11.34 | 17.10 | 17.26 | 11.30 | 12.36 | 9.22 | 15.85 | 8.21 | 8.06 | 8.38 | 17.26 |
| Min | 7.54 | 8.04 | 8.11 | 8.60 | 8.68 | 8.56 | 8.75 | 8.24 | 8.19 | 8.06 | 7.96 | 7.92 | 7.54 |

Annual Max Momentary Gage Height 17.36 m. (MSL.) , at 10.00 Hours , on Aug 16, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 6.61 m. (MSL.)

Left Bank Elevation 19.25 m. (MSL.) ,

Right Bank Elevation 18.88 m. (MSL.) , Drainage Are 946 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.90 | 4.90 | 28.50 | 22.60 | 13.60 | 26.75 | 33.75 | 13.60 | 6.30 | 6.15 | 4.60 | 3.60 | | |
| 2 | 3.20 | 4.70 | 21.20 | 154.00 | 13.80 | 20.40 | 29.00 | 12.60 | 6.15 | 6.00 | 4.60 | 3.50 | | |
| 3 | 4.30 | 4.50 | 15.80 | 633.50 | 16.60 | 18.60 | 24.00 | 11.40 | 6.00 | 5.90 | 4.60 | 3.50 | | |
| 4 | 2.10 | 4.40 | 14.00 | 293.25 | 15.00 | 18.40 | 38.80 | 10.65 | 6.00 | 5.90 | 4.60 | 3.50 | | |
| 5 | 4.10 | 7.50 | 11.40 | 107.75 | 35.20 | 17.20 | 40.30 | 10.20 | 5.90 | 5.90 | 4.40 | 3.50 | | |
| 6 | 1.80 | 8.85 | 11.40 | 61.90 | 63.40 | 15.40 | 56.20 | 9.75 | 7.05 | 5.90 | 4.30 | 3.50 | | |
| 7 | 0.40 | 7.05 | 9.15 | 40.90 | 50.80 | 14.00 | 49.60 | 9.30 | 420.25 | 5.90 | 4.30 | 3.50 | | |
| 8 | 0.00 | 8.25 | 8.25 | 30.00 | 115.35 | 27.75 | 34.90 | 9.00 | 197.40 | 5.90 | 4.30 | 3.50 | | |
| 9 | 0.10 | 6.60 | 7.80 | 23.00 | 114.00 | 30.75 | 48.10 | 8.85 | 40.00 | 5.90 | 4.30 | 3.40 | | |
| 10 | 1.00 | 6.60 | 7.65 | 19.20 | 70.35 | 37.00 | 64.00 | 19.20 | 26.25 | 5.90 | 4.30 | 3.40 | | |
| 11 | 1.90 | 6.15 | 7.05 | 16.80 | 49.00 | 18.60 | 102.80 | 10.35 | 19.00 | 5.90 | 4.20 | 3.40 | | |
| 12 | 3.90 | 5.80 | 6.45 | 15.60 | 39.70 | 45.70 | 130.20 | 11.85 | 40.00 | 5.90 | 4.20 | 3.40 | | |
| 13 | 1.90 | 5.80 | 6.00 | 14.00 | 30.50 | 22.60 | 63.10 | 24.50 | 29.25 | 5.80 | 4.10 | 3.40 | | |
| 14 | 0.60 | 5.30 | 5.90 | 15.40 | 37.30 | 39.70 | 47.50 | 10.95 | 18.80 | 5.60 | 4.00 | 3.40 | | |
| 15 | 0.20 | 6.75 | 5.70 | 19.40 | 527.75 | 30.75 | 35.50 | 9.90 | 15.00 | 5.40 | 4.00 | 3.40 | | |
| 16 | 0.00 | 10.50 | 5.50 | 21.60 | 665.60 | 20.60 | 28.00 | 9.75 | 12.40 | 5.20 | 4.00 | 3.30 | | |
| 17 | 2.10 | 9.75 | 5.40 | 131.10 | 415.00 | 27.00 | 23.80 | 9.60 | 11.40 | 5.00 | 4.00 | 3.30 | | |
| 18 | 2.50 | 39.40 | 5.10 | 112.00 | 246.00 | 16.60 | 20.80 | 9.30 | 10.20 | 5.00 | 4.00 | 3.30 | | |
| 19 | 1.00 | 39.10 | 5.20 | 65.50 | 132.00 | 16.00 | 20.60 | 12.40 | 9.75 | 5.00 | 3.80 | 3.20 | | |
| 20 | 0.30 | 75.60 | 44.80 | 41.80 | 86.80 | 15.00 | 23.00 | 9.30 | 9.15 | 4.90 | 3.80 | 3.20 | | |
| 21 | 0.00 | 107.60 | 14.80 | 34.90 | 59.80 | 13.80 | 21.40 | 8.55 | 8.55 | 4.80 | 3.80 | 8.70 | | |
| 22 | 0.00 | 55.00 | 8.70 | 28.75 | 46.90 | 12.80 | 17.60 | 8.10 | 8.25 | 4.80 | 3.80 | 7.65 | | |
| 23 | 0.00 | 33.50 | 7.20 | 23.20 | 38.20 | 11.55 | 15.80 | 8.25 | 8.10 | 4.80 | 3.70 | 7.50 | | |
| 24 | 0.00 | 34.30 | 13.00 | 22.40 | 31.50 | 11.40 | 15.00 | 8.55 | 7.80 | 4.70 | 3.70 | 5.30 | | |
| 25 | 1.10 | 22.60 | 88.90 | 19.80 | 46.90 | 12.80 | 21.80 | 7.50 | 7.20 | 4.70 | 3.70 | 4.70 | | |
| 26 | 0.60 | 18.20 | 73.50 | 20.20 | 52.60 | 79.45 | 18.40 | 7.35 | 7.05 | 4.70 | 3.60 | 7.20 | | |
| 27 | 1.90 | 41.50 | 37.00 | 16.40 | 64.60 | 87.50 | 19.00 | 7.05 | 6.90 | 4.70 | 3.60 | 4.80 | | |
| 28 | 2.00 | 47.50 | 22.20 | 14.80 | 40.00 | 61.00 | 20.80 | 6.75 | 6.90 | 4.70 | 3.60 | 4.20 | | |
| 29 | 1.90 | 31.00 | 20.40 | 14.60 | 30.00 | 57.10 | 29.50 | 6.60 | 6.75 | 4.70 | | 4.10 | | |
| 30 | 0.30 | 29.00 | 26.25 | 13.40 | 24.50 | 58.30 | 19.60 | 6.60 | 6.60 | 4.60 | | 4.00 | | |
| 31 | | 31.25 | | 12.00 | 22.20 | | 15.60 | | 6.30 | 4.60 | | 4.00 | | |
| Total | 40.10 | 718.95 | 544.20 | 2059.75 | 3194.95 | 884.50 | 1128.45 | 307.75 | 976.65 | 164.85 | 113.90 | 130.35 | 10264.40 | CMSDAY |
| Mean | 1.34 | 23.19 | 18.14 | 66.44 | 103.06 | 29.48 | 36.40 | 10.26 | 31.50 | 5.32 | 4.07 | 4.20 | 28.12 | CMS |
| Max | 4.30 | 107.60 | 88.90 | 633.50 | 665.60 | 87.50 | 130.20 | 24.50 | 420.25 | 6.15 | 4.60 | 8.70 | 665.60 | CMS |
| Min | 0.00 | 4.40 | 5.10 | 12.00 | 13.60 | 11.40 | 15.00 | 6.60 | 5.90 | 4.60 | 3.60 | 3.20 | 0.00 | CMS |
| Runoff | 3.46 | 62.12 | 47.02 | 177.96 | 276.04 | 76.42 | 97.50 | 26.59 | 84.38 | 14.24 | 9.84 | 11.26 | 886.84 | MCM |

Momentary Peak 686.60 CMS. at 17.36 m. (MSL.) at 10.00 Hours , on Aug 16, 2006

Runoff Yield 29.74 Liters/Second/Square KM. Momentary Peak Yield 726.05 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Ban Tan at Ban Wang Kong , Nakhon Si Thammarat (X.70)

Lat 08 - 25 - 34 N Long 99 - 51 - 47 E

**Location : on left bank upstream side of the bridge.**

**Ban** Wang Kong **Amphoe** Mueang **Changwat** Nakhon Si Thammar

| | |
|---|---|
| **Drainge Area** | 36 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 10 meters from the top staff gage. **Elevation** +21.985 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1967 to date |
| **Rating Operation** | |
| **Period of Rating** | 1967 - 1971 , 1980 , 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1967 - 1971 , 1980 , 1989 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 26 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

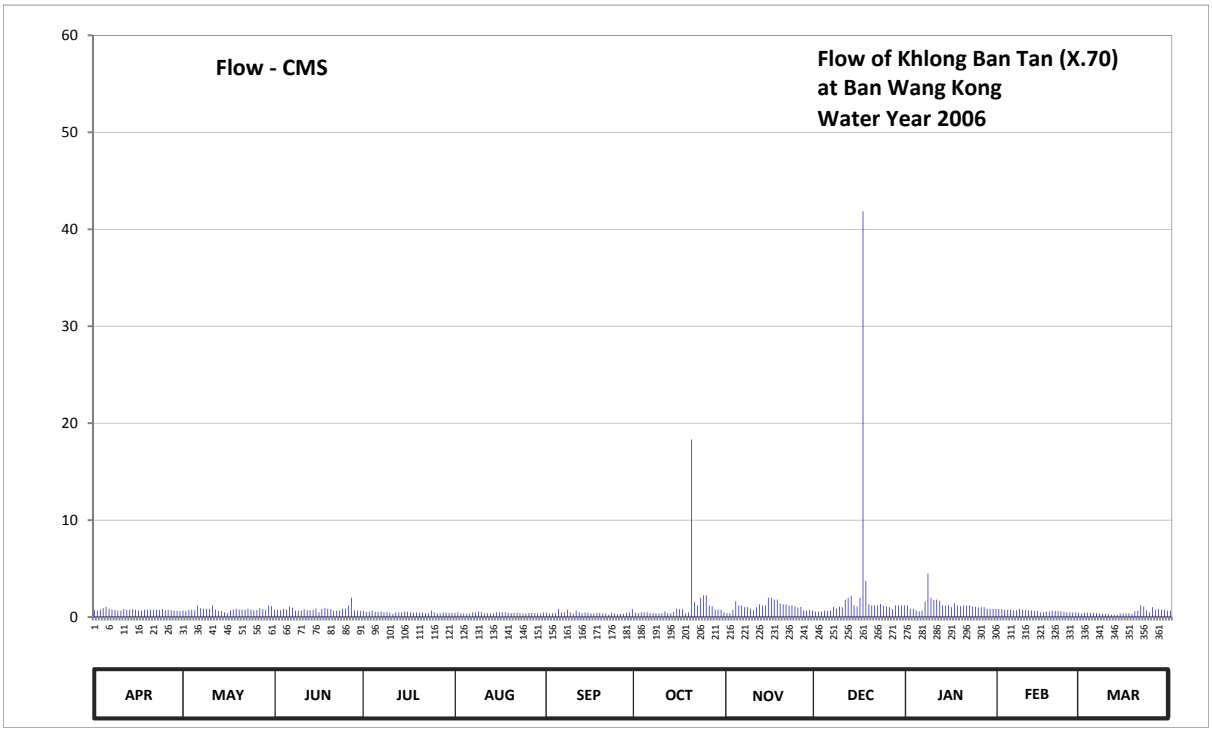
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.86 | 15.85 | 15.87 | 15.84 | 15.77 | 15.78 | 15.78 | 15.76 | 15.82 | 16.00 | 15.89 | 15.75 | |
| 2 | 15.85 | 15.84 | 15.87 | 15.81 | 15.80 | 15.75 | 15.77 | 15.76 | 15.82 | 15.90 | 15.89 | 15.78 | |
| 3 | 15.88 | 15.87 | 15.86 | 15.82 | 15.76 | 15.76 | 15.80 | 15.87 | 15.82 | 15.90 | 15.88 | 15.78 | |
| 4 | 15.92 | 15.87 | 15.90 | 15.85 | 15.75 | 15.75 | 15.80 | 16.11 | 15.85 | 15.85 | 15.87 | 15.78 | |
| 5 | 15.96 | 15.86 | 15.88 | 15.81 | 15.74 | 15.89 | 15.80 | 16.00 | 15.84 | 15.82 | 15.88 | 15.78 | |
| 6 | 15.90 | 16.00 | 15.97 | 15.81 | 15.75 | 15.80 | 15.77 | 16.00 | 15.85 | 15.85 | 15.86 | 15.77 | |
| 7 | 15.88 | 15.92 | 15.93 | 15.82 | 15.80 | 15.80 | 15.77 | 15.95 | 15.96 | 16.10 | 15.86 | 15.75 | |
| 8 | 15.87 | 15.90 | 15.85 | 15.80 | 15.80 | 15.87 | 15.76 | 15.95 | 15.90 | 16.68 | 15.90 | 15.75 | |
| 9 | 15.85 | 15.90 | 15.85 | 15.80 | 15.82 | 15.80 | 15.75 | 15.90 | 15.97 | 16.20 | 15.87 | 15.74 | |
| 10 | 15.85 | 15.90 | 15.85 | 15.78 | 15.80 | 15.75 | 15.75 | 15.86 | 15.95 | 16.15 | 15.87 | 15.73 | |
| 11 | 15.89 | 16.00 | 15.89 | 15.74 | 15.76 | 15.85 | 15.82 | 15.95 | 16.15 | 16.15 | 15.86 | 15.70 | |
| 12 | 15.87 | 15.88 | 15.86 | 15.79 | 15.76 | 15.80 | 15.76 | 16.03 | 16.20 | 16.12 | 15.85 | 15.70 | |
| 13 | 15.87 | 15.84 | 15.86 | 15.80 | 15.75 | 15.76 | 15.76 | 16.00 | 16.24 | 16.00 | 15.84 | 15.70 | |
| 14 | 15.89 | 15.83 | 15.87 | 15.80 | 15.75 | 15.79 | 15.80 | 16.00 | 16.00 | 16.00 | 15.84 | 15.75 | |
| 15 | 15.87 | 15.80 | 15.90 | 15.82 | 15.80 | 15.78 | 15.90 | 16.20 | 15.97 | 16.00 | 15.80 | 15.75 | |
| 16 | 15.86 | 15.76 | 15.80 | 15.81 | 15.80 | 15.75 | 15.89 | 16.20 | 16.20 | 15.95 | 15.80 | 15.75 | |
| 17 | 15.85 | 15.86 | 15.90 | 15.80 | 15.80 | 15.75 | 15.89 | 16.15 | 20.10 | 16.05 | 15.82 | 15.75 | |
| 18 | 15.88 | 15.88 | 15.93 | 15.78 | 15.80 | 15.77 | 15.76 | 16.15 | 16.55 | 16.00 | 15.82 | 15.74 | |
| 19 | 15.88 | 15.90 | 15.90 | 15.79 | 15.78 | 15.77 | 15.80 | 16.05 | 16.03 | 15.98 | 15.85 | 15.83 | |
| 20 | 15.88 | 15.87 | 15.89 | 15.78 | 15.77 | 15.76 | 18.53 | 16.03 | 16.00 | 16.00 | 15.84 | 15.85 | |
| 21 | 15.87 | 15.88 | 15.85 | 15.78 | 15.77 | 15.75 | 16.09 | 16.03 | 16.00 | 16.00 | 15.83 | 16.00 | |
| 22 | 15.87 | 15.87 | 15.85 | 15.78 | 15.78 | 15.70 | 16.00 | 16.00 | 16.00 | 16.00 | 15.82 | 15.97 | |
| 23 | 15.87 | 15.90 | 15.85 | 15.77 | 15.77 | 15.78 | 16.20 | 16.00 | 16.04 | 15.97 | 15.81 | 15.85 | |
| 24 | 15.89 | 15.88 | 15.90 | 15.85 | 15.76 | 15.75 | 16.25 | 15.97 | 15.99 | 15.96 | 15.80 | 15.80 | |
| 25 | 15.86 | 15.86 | 15.90 | 15.80 | 15.75 | 15.72 | 16.25 | 15.94 | 15.97 | 15.94 | 15.80 | 15.95 | |
| 26 | 15.87 | 15.87 | 16.00 | 15.76 | 15.77 | 15.74 | 16.00 | 15.96 | 15.95 | 15.95 | 15.79 | 15.87 | |
| 27 | 15.86 | 15.92 | 16.20 | 15.75 | 15.77 | 15.74 | 15.97 | 15.85 | 15.89 | 15.95 | 15.79 | 15.90 | |
| 28 | 15.85 | 15.89 | 15.86 | 15.80 | 15.77 | 15.78 | 15.88 | 15.85 | 16.00 | 15.90 | 15.78 | 15.88 | |
| 29 | 15.84 | 15.87 | 15.85 | 15.79 | 15.76 | 15.80 | 15.87 | 15.87 | 16.00 | 15.90 | | 15.87 | |
| 30 | 15.83 | 16.00 | 15.84 | 15.78 | 15.75 | 15.89 | 15.87 | 15.85 | 16.00 | 15.90 | | 15.85 | |
| 31 | | 15.98 | | 15.78 | 15.79 | | 15.80 | | 16.00 | 15.90 | | 15.84 | |
| Mean | 15.87 | 15.89 | 15.89 | 15.80 | 15.77 | 15.78 | 15.96 | 15.97 | 16.13 | 16.00 | 15.84 | 15.80 | |
| Max | 15.96 | 16.00 | 16.20 | 15.85 | 15.82 | 15.89 | 18.53 | 16.20 | 20.10 | 16.68 | 15.90 | 16.00 | 20.10 |
| Min | 15.83 | 15.76 | 15.80 | 15.74 | 15.74 | 15.70 | 15.75 | 15.76 | 15.82 | 15.82 | 15.78 | 15.70 | 15.70 |

Annual Max Momentary Gage Height 20.10 m. (MSL.) , at 06.00 Hours , on Dec 17 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 15.53 m. (MSL.)

Left Bank Elevation 22.28 m. (MSL.) ,

Right Bank Elevation 22.33 m. (MSL.) , Drainage Are 36 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.71 | 0.68 | 0.75 | 0.64 | 0.43 | 0.45 | 0.45 | 0.40 | 0.57 | 1.20 | 0.82 | 0.38 | | |
| 2 | 0.68 | 0.64 | 0.75 | 0.54 | 0.50 | 0.38 | 0.43 | 0.40 | 0.57 | 0.85 | 0.82 | 0.45 | | |
| 3 | 0.78 | 0.75 | 0.71 | 0.57 | 0.40 | 0.40 | 0.50 | 0.75 | 0.57 | 0.85 | 0.78 | 0.45 | | |
| 4 | 0.92 | 0.75 | 0.85 | 0.68 | 0.38 | 0.38 | 0.50 | 1.64 | 0.68 | 0.68 | 0.75 | 0.45 | | |
| 5 | 1.06 | 0.71 | 0.78 | 0.54 | 0.35 | 0.82 | 0.50 | 1.20 | 0.64 | 0.57 | 0.78 | 0.45 | | |
| 6 | 0.85 | 1.20 | 1.10 | 0.54 | 0.38 | 0.50 | 0.43 | 1.20 | 0.68 | 0.68 | 0.71 | 0.43 | | |
| 7 | 0.78 | 0.92 | 0.96 | 0.57 | 0.50 | 0.50 | 0.43 | 1.03 | 1.06 | 1.60 | 0.71 | 0.38 | | |
| 8 | 0.75 | 0.85 | 0.68 | 0.50 | 0.50 | 0.75 | 0.40 | 1.03 | 0.85 | 4.48 | 0.85 | 0.38 | | |
| 9 | 0.68 | 0.85 | 0.68 | 0.50 | 0.57 | 0.50 | 0.38 | 0.85 | 1.10 | 2.00 | 0.75 | 0.35 | | |
| 10 | 0.68 | 0.85 | 0.68 | 0.45 | 0.50 | 0.38 | 0.38 | 0.71 | 1.03 | 1.80 | 0.75 | 0.33 | | |
| 11 | 0.82 | 1.20 | 0.82 | 0.35 | 0.40 | 0.68 | 0.57 | 1.03 | 1.80 | 1.80 | 0.71 | 0.25 | | |
| 12 | 0.75 | 0.78 | 0.71 | 0.48 | 0.40 | 0.50 | 0.40 | 1.32 | 2.00 | 1.68 | 0.68 | 0.25 | | |
| 13 | 0.75 | 0.64 | 0.71 | 0.50 | 0.38 | 0.40 | 0.40 | 1.20 | 2.20 | 1.20 | 0.64 | 0.25 | | |
| 14 | 0.82 | 0.61 | 0.75 | 0.50 | 0.38 | 0.48 | 0.50 | 1.20 | 1.20 | 1.20 | 0.64 | 0.38 | | |
| 15 | 0.75 | 0.50 | 0.85 | 0.57 | 0.50 | 0.45 | 0.85 | 2.00 | 1.10 | 1.20 | 0.50 | 0.38 | | |
| 16 | 0.71 | 0.40 | 0.50 | 0.54 | 0.50 | 0.38 | 0.82 | 2.00 | 2.00 | 1.03 | 0.50 | 0.38 | | |
| 17 | 0.68 | 0.71 | 0.85 | 0.50 | 0.50 | 0.38 | 0.82 | 1.80 | 41.85 | 1.40 | 0.57 | 0.38 | | |
| 18 | 0.78 | 0.78 | 0.96 | 0.45 | 0.50 | 0.43 | 0.40 | 1.80 | 3.75 | 1.20 | 0.57 | 0.35 | | |
| 19 | 0.78 | 0.85 | 0.85 | 0.48 | 0.45 | 0.43 | 0.50 | 1.40 | 1.32 | 1.13 | 0.68 | 0.61 | | |
| 20 | 0.78 | 0.75 | 0.82 | 0.45 | 0.43 | 0.40 | 18.31 | 1.32 | 1.20 | 1.20 | 0.64 | 0.68 | | |
| 21 | 0.75 | 0.78 | 0.68 | 0.45 | 0.43 | 0.38 | 1.56 | 1.32 | 1.20 | 1.20 | 0.61 | 1.20 | | |
| 22 | 0.75 | 0.75 | 0.68 | 0.45 | 0.45 | 0.25 | 1.20 | 1.20 | 1.20 | 1.20 | 0.57 | 1.10 | | |
| 23 | 0.75 | 0.85 | 0.68 | 0.43 | 0.43 | 0.45 | 2.00 | 1.20 | 1.36 | 1.10 | 0.54 | 0.68 | | |
| 24 | 0.82 | 0.78 | 0.85 | 0.68 | 0.40 | 0.38 | 2.25 | 1.10 | 1.17 | 1.06 | 0.50 | 0.50 | | |
| 25 | 0.71 | 0.71 | 0.85 | 0.50 | 0.38 | 0.30 | 2.25 | 0.99 | 1.10 | 0.99 | 0.50 | 1.03 | | |
| 26 | 0.75 | 0.75 | 1.20 | 0.40 | 0.43 | 0.35 | 1.20 | 1.06 | 1.03 | 1.03 | 0.48 | 0.75 | | |
| 27 | 0.71 | 0.92 | 2.00 | 0.38 | 0.43 | 0.35 | 1.10 | 0.68 | 0.82 | 1.03 | 0.48 | 0.85 | | |
| 28 | 0.68 | 0.82 | 0.71 | 0.50 | 0.43 | 0.45 | 0.78 | 0.68 | 1.20 | 0.85 | 0.45 | 0.78 | | |
| 29 | 0.64 | 0.75 | 0.68 | 0.48 | 0.40 | 0.50 | 0.75 | 0.75 | 1.20 | 0.85 | | 0.75 | | |
| 30 | 0.61 | 1.20 | 0.64 | 0.45 | 0.38 | 0.82 | 0.75 | 0.68 | 1.20 | 0.85 | | 0.68 | | |
| 31 | | 1.13 | | 0.45 | 0.48 | | 0.50 | | 1.20 | 0.85 | | 0.64 | | |
| Total | 22.68 | 24.86 | 24.73 | 15.52 | 13.59 | 13.82 | 42.31 | 33.94 | 78.85 | 38.76 | 17.98 | 16.92 | 343.96 | CMSDAY |
| Mean | 0.76 | 0.80 | 0.82 | 0.50 | 0.44 | 0.46 | 1.36 | 1.13 | 2.54 | 1.25 | 0.64 | 0.55 | 0.94 | CMS |
| Max | 1.06 | 1.20 | 2.00 | 0.68 | 0.57 | 0.82 | 18.31 | 2.00 | 41.85 | 4.48 | 0.85 | 1.20 | 41.85 | CMS |
| Min | 0.61 | 0.40 | 0.50 | 0.35 | 0.35 | 0.25 | 0.38 | 0.40 | 0.57 | 0.57 | 0.45 | 0.25 | 0.25 | CMS |
| Runoff | 1.96 | 2.15 | 2.14 | 1.34 | 1.17 | 1.19 | 3.66 | 2.93 | 6.81 | 3.35 | 1.55 | 1.46 | 29.72 | MCM |

Momentary Peak 41.85 CMS. at 20.10 m. (MSL.) at 06.00 Hours , on Dec 17 , 2006

Runoff Yield 25.83 Liters/Second/Square KM. Momentary Peak Yield 1147.20 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Klai at Ban Hua Na , Nakhon Si Thammarat (X.149)

Lat 08 - 43 - 46 N Long 99 - 44 - 53 E

**Location : on left bank at Ban Hua Na.**

**Ban** Hua Na **Amphoe** Nopphitam **Changwat** Nakhon Si Thammar

| | |
|---|---|
| **Drainge Area** | 475 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the station office. **Elevation** +34.588 m. (MSL.) |
| **Gage Reading Frequency** | 13-time daily readings at 06.00 - 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 13 readings |
| **Period of Available Gage Records** | 1984 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1984 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1984 to date. |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 56 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

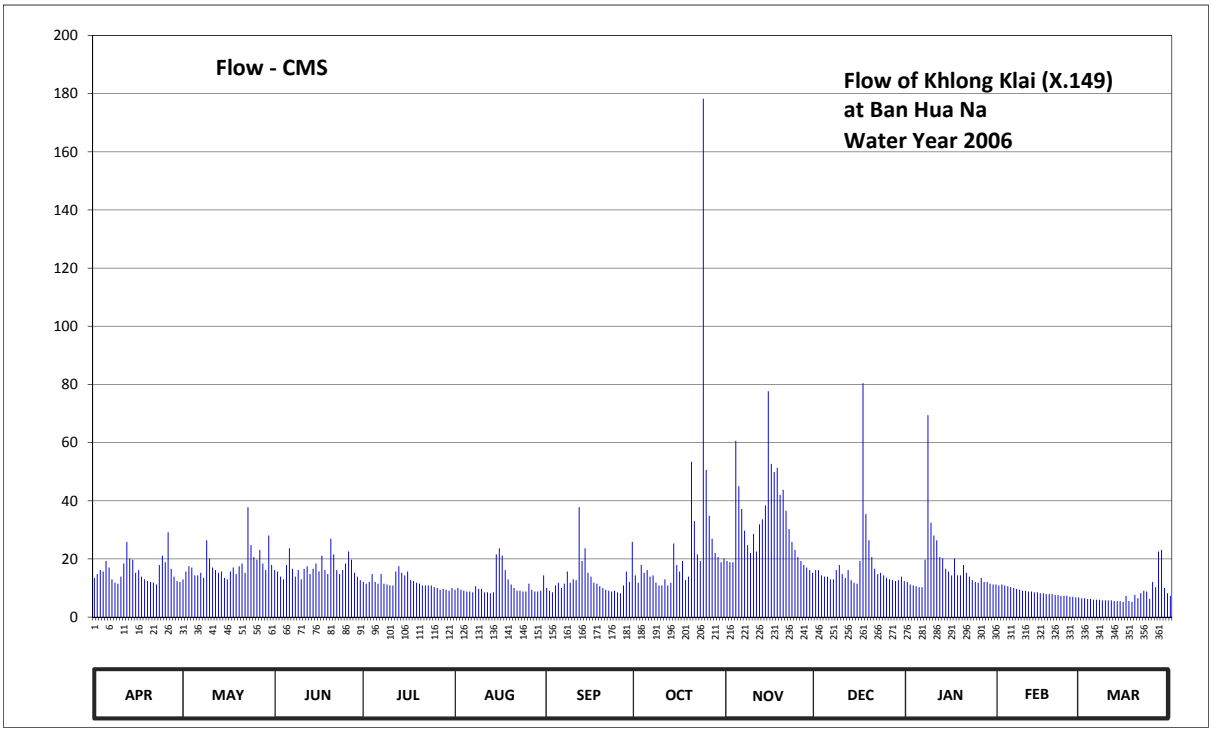
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.81 | 28.80 | 28.87 | 28.77 | 28.68 | 28.70 | 28.83 | 28.94 | 28.87 | 28.77 | 28.73 | 28.58 | |
| 2 | 28.84 | 28.86 | 28.86 | 28.75 | 28.70 | 28.67 | 28.76 | 28.93 | 28.87 | 28.74 | 28.74 | 28.58 | |
| 3 | 28.87 | 28.90 | 28.82 | 28.77 | 28.68 | 28.65 | 28.91 | 28.93 | 28.83 | 28.73 | 28.73 | 28.57 | |
| 4 | 28.86 | 28.89 | 28.80 | 28.84 | 28.67 | 28.73 | 28.85 | 29.62 | 28.82 | 28.72 | 28.72 | 28.57 | |
| 5 | 28.94 | 28.83 | 28.91 | 28.77 | 28.66 | 28.76 | 28.87 | 29.40 | 28.82 | 28.71 | 28.71 | 28.56 | |
| 6 | 28.89 | 28.83 | 29.03 | 28.75 | 28.66 | 28.70 | 28.82 | 29.27 | 28.80 | 28.71 | 28.70 | 28.56 | |
| 7 | 28.80 | 28.85 | 28.88 | 28.84 | 28.65 | 28.75 | 28.83 | 29.14 | 28.80 | 28.95 | 28.69 | 28.56 | |
| 8 | 28.76 | 28.81 | 28.82 | 28.75 | 28.72 | 28.86 | 28.76 | 29.05 | 28.87 | 29.73 | 28.68 | 28.55 | |
| 9 | 28.75 | 29.08 | 28.87 | 28.74 | 28.69 | 28.76 | 28.73 | 29.00 | 28.91 | 29.19 | 28.67 | 28.55 | |
| 10 | 28.82 | 28.96 | 28.80 | 28.73 | 28.69 | 28.80 | 28.73 | 29.12 | 28.84 | 29.11 | 28.67 | 28.55 | |
| 11 | 28.92 | 28.89 | 28.88 | 28.73 | 28.65 | 28.79 | 28.80 | 29.01 | 28.81 | 29.08 | 28.66 | 28.55 | |
| 12 | 29.07 | 28.87 | 28.90 | 28.86 | 28.65 | 29.28 | 28.73 | 29.18 | 28.87 | 28.97 | 28.66 | 28.54 | |
| 13 | 28.96 | 28.85 | 28.84 | 28.90 | 28.64 | 28.94 | 28.76 | 29.21 | 28.79 | 28.96 | 28.65 | 28.54 | |
| 14 | 28.95 | 28.86 | 28.88 | 28.85 | 28.65 | 29.03 | 29.06 | 29.29 | 28.76 | 28.88 | 28.65 | 28.54 | |
| 15 | 28.85 | 28.81 | 28.92 | 28.83 | 28.99 | 28.85 | 28.91 | 29.83 | 28.75 | 28.86 | 28.64 | 28.53 | |
| 16 | 28.87 | 28.80 | 28.86 | 28.86 | 29.03 | 28.82 | 28.86 | 29.51 | 28.94 | 28.83 | 28.64 | 28.61 | |
| 17 | 28.82 | 28.86 | 28.98 | 28.79 | 28.98 | 28.76 | 28.94 | 29.47 | 29.86 | 28.96 | 28.63 | 28.54 | |
| 18 | 28.80 | 28.89 | 28.87 | 28.78 | 28.87 | 28.75 | 28.79 | 29.49 | 29.24 | 28.83 | 28.63 | 28.53 | |
| 19 | 28.78 | 28.84 | 28.84 | 28.76 | 28.80 | 28.72 | 28.82 | 29.35 | 29.08 | 28.83 | 28.63 | 28.62 | |
| 20 | 28.77 | 28.90 | 29.09 | 28.75 | 28.74 | 28.70 | 29.52 | 29.38 | 28.97 | 28.91 | 28.62 | 28.58 | |
| 21 | 28.76 | 28.92 | 28.99 | 28.73 | 28.70 | 28.68 | 29.20 | 29.26 | 28.88 | 28.85 | 28.62 | 28.64 | |
| 22 | 28.74 | 28.85 | 28.87 | 28.73 | 28.67 | 28.67 | 28.99 | 29.15 | 28.84 | 28.82 | 28.61 | 28.67 | |
| 23 | 28.91 | 29.28 | 28.84 | 28.73 | 28.67 | 28.66 | 28.94 | 29.07 | 28.85 | 28.79 | 28.61 | 28.66 | |
| 24 | 28.98 | 29.05 | 28.87 | 28.73 | 28.66 | 28.67 | 30.65 | 29.02 | 28.83 | 28.77 | 28.61 | 28.57 | |
| 25 | 28.93 | 28.97 | 28.92 | 28.71 | 28.66 | 28.65 | 29.48 | 28.97 | 28.81 | 28.76 | 28.60 | 28.77 | |
| 26 | 29.13 | 28.95 | 29.01 | 28.70 | 28.75 | 28.64 | 29.23 | 28.94 | 28.80 | 28.81 | 28.60 | 28.71 | |
| 27 | 28.88 | 29.02 | 28.95 | 28.68 | 28.68 | 28.73 | 29.09 | 28.91 | 28.79 | 28.77 | 28.59 | 29.01 | |
| 28 | 28.82 | 28.92 | 28.85 | 28.69 | 28.66 | 28.86 | 29.00 | 28.89 | 28.78 | 28.77 | 28.59 | 29.02 | |
| 29 | 28.78 | 28.87 | 28.82 | 28.68 | 28.66 | 28.77 | 28.97 | 28.87 | 28.79 | 28.75 | | 28.70 | |
| 30 | 28.77 | 29.11 | 28.79 | 28.67 | 28.67 | 29.07 | 28.93 | 28.85 | 28.82 | 28.74 | | 28.64 | |
| 31 | | 28.91 | | 28.70 | 28.83 | | 28.96 | | 28.78 | 28.74 | | 28.61 | |
| Mean | 28.86 | 28.91 | 28.89 | 28.76 | 28.72 | 28.78 | 28.99 | 29.17 | 28.89 | 28.87 | 28.65 | 28.62 | |
| Max | 29.13 | 29.28 | 29.09 | 28.90 | 29.03 | 29.28 | 30.65 | 29.83 | 29.86 | 29.73 | 28.74 | 29.02 | 30.65 |
| Min | 28.74 | 28.80 | 28.79 | 28.67 | 28.64 | 28.64 | 28.73 | 28.85 | 28.75 | 28.71 | 28.59 | 28.53 | 28.53 |

Annual Max Momentary Gage Height 30.95 m. (MSL.) , at 10.00 Hours , on Oct 24 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 26.84 m. (MSL.)

Left Bank Elevation 35.96 m. (MSL.) ,

Right Bank Elevation 35.80 m. (MSL.) , Drainage Are 475 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.45 | 13.00 | 16.15 | 12.10 | 9.40 | 10.00 | 14.35 | 19.30 | 16.15 | 12.10 | 10.90 | 6.50 | | |
| 2 | 14.80 | 15.70 | 15.70 | 11.50 | 10.00 | 9.10 | 11.80 | 18.85 | 16.15 | 11.20 | 11.20 | 6.50 | | |
| 3 | 16.15 | 17.50 | 13.90 | 12.10 | 9.40 | 8.50 | 17.95 | 18.85 | 14.35 | 10.90 | 10.90 | 6.25 | | |
| 4 | 15.70 | 17.05 | 13.00 | 14.80 | 9.10 | 10.90 | 15.25 | 60.60 | 13.90 | 10.60 | 10.60 | 6.25 | | |
| 5 | 19.30 | 14.35 | 17.95 | 12.10 | 8.80 | 11.80 | 16.15 | 45.00 | 13.90 | 10.30 | 10.30 | 6.00 | | |
| 6 | 17.05 | 14.35 | 23.65 | 11.50 | 8.80 | 10.00 | 13.90 | 37.20 | 13.00 | 10.30 | 10.00 | 6.00 | | |
| 7 | 13.00 | 15.25 | 16.60 | 14.80 | 8.50 | 11.50 | 14.35 | 29.70 | 13.00 | 19.75 | 9.70 | 6.00 | | |
| 8 | 11.80 | 13.45 | 13.90 | 11.50 | 10.60 | 15.70 | 11.80 | 24.75 | 16.15 | 69.40 | 9.40 | 5.75 | | |
| 9 | 11.50 | 26.40 | 16.15 | 11.20 | 9.70 | 11.80 | 10.90 | 22.00 | 17.95 | 32.45 | 9.10 | 5.75 | | |
| 10 | 13.90 | 20.20 | 13.00 | 10.90 | 9.70 | 13.00 | 10.90 | 28.60 | 14.80 | 28.05 | 9.10 | 5.75 | | |
| 11 | 18.40 | 17.05 | 16.60 | 10.90 | 8.50 | 12.70 | 13.00 | 22.55 | 13.45 | 26.40 | 8.80 | 5.75 | | |
| 12 | 25.85 | 16.15 | 17.50 | 15.70 | 8.50 | 37.80 | 10.90 | 31.90 | 16.15 | 20.65 | 8.80 | 5.50 | | |
| 13 | 20.20 | 15.25 | 14.80 | 17.50 | 8.20 | 19.30 | 11.80 | 33.60 | 12.70 | 20.20 | 8.50 | 5.50 | | |
| 14 | 19.75 | 15.70 | 16.60 | 15.25 | 8.50 | 23.65 | 25.30 | 38.40 | 11.80 | 16.60 | 8.50 | 5.50 | | |
| 15 | 15.25 | 13.45 | 18.40 | 14.35 | 21.55 | 15.25 | 17.95 | 77.70 | 11.50 | 15.70 | 8.20 | 5.25 | | |
| 16 | 16.15 | 13.00 | 15.70 | 15.70 | 23.65 | 13.90 | 15.70 | 52.70 | 19.30 | 14.35 | 8.20 | 7.30 | | |
| 17 | 13.90 | 15.70 | 21.10 | 12.70 | 21.10 | 11.80 | 19.30 | 49.90 | 80.40 | 20.20 | 7.90 | 5.50 | | |
| 18 | 13.00 | 17.05 | 16.15 | 12.40 | 16.15 | 11.50 | 12.70 | 51.30 | 35.40 | 14.35 | 7.90 | 5.25 | | |
| 19 | 12.40 | 14.80 | 14.80 | 11.80 | 13.00 | 10.60 | 13.90 | 42.00 | 26.40 | 14.35 | 7.90 | 7.60 | | |
| 20 | 12.10 | 17.50 | 26.95 | 11.50 | 11.20 | 10.00 | 53.40 | 43.80 | 20.65 | 17.95 | 7.60 | 6.50 | | |
| 21 | 11.80 | 18.40 | 21.55 | 10.90 | 10.00 | 9.40 | 33.00 | 36.60 | 16.60 | 15.25 | 7.60 | 8.20 | | |
| 22 | 11.20 | 15.25 | 16.15 | 10.90 | 9.10 | 9.10 | 21.55 | 30.25 | 14.80 | 13.90 | 7.30 | 9.10 | | |
| 23 | 17.95 | 37.80 | 14.80 | 10.90 | 9.10 | 8.80 | 19.30 | 25.85 | 15.25 | 12.70 | 7.30 | 8.80 | | |
| 24 | 21.10 | 24.75 | 16.15 | 10.90 | 8.80 | 9.10 | 178.25 | 23.10 | 14.35 | 12.10 | 7.30 | 6.25 | | |
| 25 | 18.85 | 20.65 | 18.40 | 10.30 | 8.80 | 8.50 | 50.60 | 20.65 | 13.45 | 11.80 | 7.00 | 12.10 | | |
| 26 | 29.15 | 19.75 | 22.55 | 10.00 | 11.50 | 8.20 | 34.80 | 19.30 | 13.00 | 13.45 | 7.00 | 10.30 | | |
| 27 | 16.60 | 23.10 | 19.75 | 9.40 | 9.40 | 10.90 | 26.95 | 17.95 | 12.70 | 12.10 | 6.75 | 22.55 | | |
| 28 | 13.90 | 18.40 | 15.25 | 9.70 | 8.80 | 15.70 | 22.00 | 17.05 | 12.40 | 12.10 | 6.75 | 23.10 | | |
| 29 | 12.40 | 16.15 | 13.90 | 9.40 | 8.80 | 12.10 | 20.65 | 16.15 | 12.70 | 11.50 | | 10.00 | | |
| 30 | 12.10 | 28.05 | 12.70 | 9.10 | 9.10 | 25.85 | 18.85 | 15.25 | 13.90 | 11.20 | | 8.20 | | |
| 31 | | 17.95 | | 10.00 | 14.35 | | 20.20 | | 12.40 | 11.20 | | 7.30 | | |
| Total | 478.70 | 563.15 | 509.80 | 371.80 | 342.10 | 396.45 | 777.45 | 970.85 | 548.65 | 533.10 | 240.50 | 246.30 | 5978.85 | CMSDAY |
| Mean | 15.96 | 18.17 | 16.99 | 11.99 | 11.04 | 13.22 | 25.08 | 32.36 | 17.70 | 17.20 | 8.59 | 7.95 | 16.38 | CMS |
| Max | 29.15 | 37.80 | 26.95 | 17.50 | 23.65 | 37.80 | 178.25 | 77.70 | 80.40 | 69.40 | 11.20 | 23.10 | 178.25 | CMS |
| Min | 11.20 | 13.00 | 12.70 | 9.10 | 8.20 | 8.20 | 10.90 | 15.25 | 11.50 | 10.30 | 6.75 | 5.25 | 5.25 | CMS |
| Runoff | 41.36 | 48.66 | 44.05 | 32.12 | 29.56 | 34.25 | 67.17 | 83.88 | 47.40 | 46.06 | 20.78 | 21.28 | 516.57 | MCM |

Momentary Peak 229.25 CMS. at 30.95 m. (MSL.) at 10.00 Hours , on Oct 24, 2006

Runoff Yield 34.48 Liters/Second/Square KM. Momentary Peak Yield 482.52 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Tha Taphao at Ban Wang Khrok , Chumphon (X.158)

Lat 10 - 35 - 34 N Long 99 - 08 - 43 E

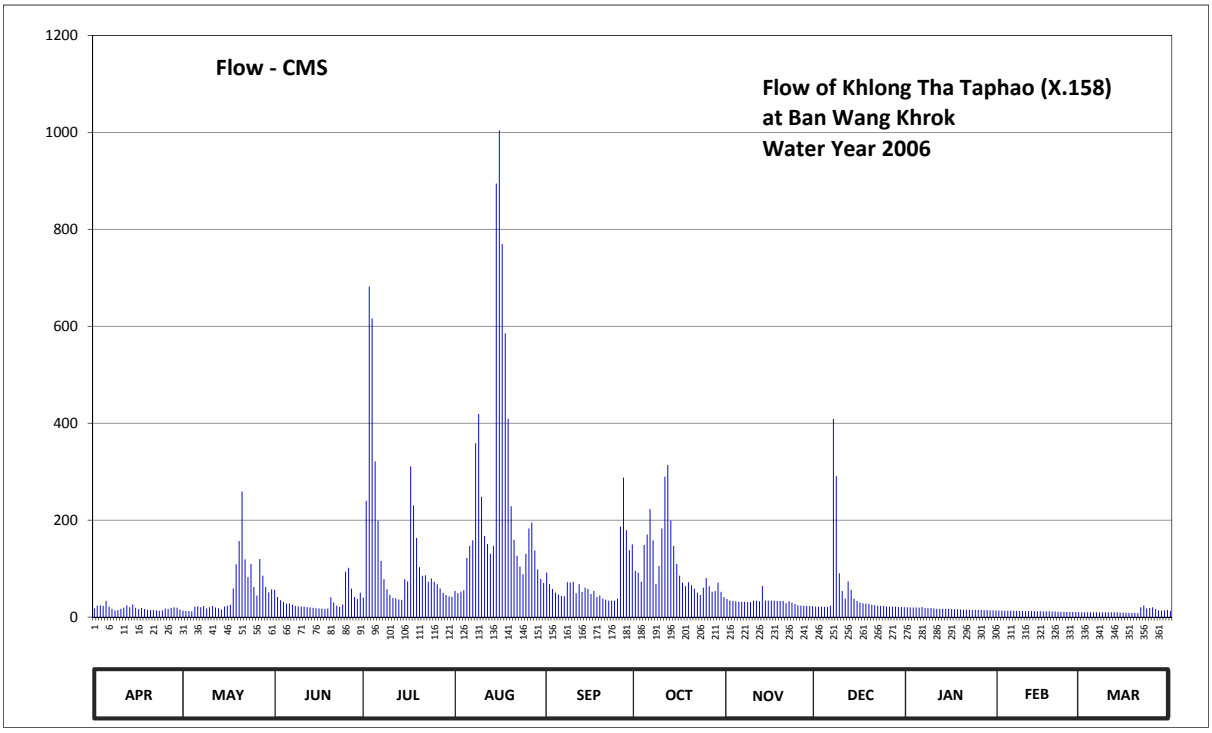
**Location : on right bank at the bridge on Chumphon - Prachuap Khiri Khan Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Wang Khrok | **Amphoe** Tha Sae | **Changwat** Chumphon |
| **Drainge Area** | 1,814 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 1 meters from the top staff gage. | **Elevation** | +11.796 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1984 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1990 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1990 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 33 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.53 | 3.37 | 4.48 | 4.16 | 4.44 | 5.09 | 5.15 | 4.08 | 3.65 | 3.60 | 3.37 | 3.20 | |
| 2 | 3.71 | 3.35 | 4.19 | 7.09 | 4.35 | 4.69 | 5.09 | 4.00 | 3.64 | 3.60 | 3.37 | 3.20 | |
| 3 | 3.72 | 3.33 | 4.02 | 10.86 | 4.41 | 4.51 | 4.78 | 3.98 | 3.64 | 3.59 | 3.36 | 3.20 | |
| 4 | 3.69 | 3.29 | 3.91 | 10.46 | 4.46 | 4.37 | 5.94 | 3.96 | 3.63 | 3.59 | 3.36 | 3.20 | |
| 5 | 3.99 | 3.64 | 3.82 | 7.96 | 5.55 | 4.29 | 6.23 | 3.93 | 3.62 | 3.58 | 3.35 | 3.20 | |
| 6 | 3.65 | 3.66 | 3.84 | 6.61 | 5.91 | 4.24 | 6.89 | 3.92 | 3.71 | 3.62 | 3.34 | 3.20 | |
| 7 | 3.50 | 3.61 | 3.76 | 5.46 | 6.07 | 4.22 | 6.07 | 3.93 | 8.79 | 3.55 | 3.34 | 3.20 | |
| 8 | 3.39 | 3.68 | 3.69 | 4.87 | 8.32 | 4.76 | 4.70 | 3.92 | 7.65 | 3.55 | 3.34 | 3.20 | |
| 9 | 3.42 | 3.53 | 3.66 | 4.50 | 8.88 | 4.75 | 5.30 | 3.91 | 5.07 | 3.55 | 3.33 | 3.19 | |
| 10 | 3.50 | 3.61 | 3.65 | 4.28 | 7.18 | 4.78 | 6.40 | 4.01 | 4.43 | 3.53 | 3.33 | 3.19 | |
| 11 | 3.58 | 3.68 | 3.64 | 4.14 | 6.19 | 4.34 | 7.64 | 3.99 | 4.11 | 3.51 | 3.33 | 3.19 | |
| 12 | 3.73 | 3.59 | 3.61 | 4.11 | 5.97 | 4.69 | 7.89 | 3.96 | 4.79 | 3.51 | 3.33 | 3.19 | |
| 13 | 3.61 | 3.54 | 3.60 | 4.06 | 5.68 | 4.40 | 6.61 | 4.62 | 4.48 | 3.50 | 3.32 | 3.19 | |
| 14 | 3.77 | 3.46 | 3.57 | 4.04 | 5.91 | 4.56 | 5.91 | 4.00 | 4.10 | 3.50 | 3.31 | 3.17 | |
| 15 | 3.57 | 3.65 | 3.54 | 4.87 | 11.85 | 4.51 | 5.36 | 4.00 | 3.98 | 3.49 | 3.31 | 3.16 | |
| 16 | 3.48 | 3.70 | 3.53 | 4.79 | 12.05 | 4.31 | 4.99 | 4.00 | 3.89 | 3.48 | 3.30 | 3.15 | |
| 17 | 3.56 | 3.75 | 3.52 | 7.86 | 11.51 | 4.44 | 4.75 | 4.00 | 3.84 | 3.47 | 3.29 | 3.14 | |
| 18 | 3.49 | 4.53 | 3.50 | 6.98 | 10.53 | 4.18 | 4.61 | 3.98 | 3.83 | 3.47 | 3.29 | 3.13 | |
| 19 | 3.44 | 5.35 | 3.53 | 6.14 | 8.79 | 4.25 | 4.76 | 3.98 | 3.81 | 3.46 | 3.28 | 3.12 | |
| 20 | 3.42 | 6.05 | 4.17 | 5.26 | 6.96 | 4.10 | 4.65 | 3.98 | 3.76 | 3.44 | 3.27 | 3.11 | |
| 21 | 3.42 | 7.30 | 3.90 | 4.99 | 6.09 | 4.05 | 4.52 | 3.85 | 3.73 | 3.44 | 3.26 | 3.60 | |
| 22 | 3.39 | 5.51 | 3.71 | 5.00 | 5.62 | 4.00 | 4.37 | 3.96 | 3.70 | 3.43 | 3.25 | 3.71 | |
| 23 | 3.35 | 4.94 | 3.63 | 4.78 | 5.28 | 4.00 | 4.27 | 3.89 | 3.69 | 3.43 | 3.24 | 3.53 | |
| 24 | 3.39 | 5.36 | 3.77 | 4.90 | 5.04 | 4.00 | 4.56 | 3.80 | 3.69 | 3.43 | 3.23 | 3.56 | |
| 25 | 3.52 | 4.58 | 5.12 | 4.78 | 5.68 | 4.10 | 4.91 | 3.73 | 3.66 | 3.43 | 3.23 | 3.60 | |
| 26 | 3.48 | 4.25 | 5.24 | 4.69 | 6.40 | 6.45 | 4.61 | 3.71 | 3.65 | 3.43 | 3.23 | 3.49 | |
| 27 | 3.57 | 5.52 | 4.52 | 4.53 | 6.56 | 7.62 | 4.41 | 3.70 | 3.65 | 3.42 | 3.22 | 3.40 | |
| 28 | 3.60 | 4.99 | 4.18 | 4.36 | 5.78 | 6.35 | 4.43 | 3.69 | 3.64 | 3.42 | 3.21 | 3.37 | |
| 29 | 3.58 | 4.58 | 4.09 | 4.27 | 5.19 | 5.79 | 4.75 | 3.68 | 3.63 | 3.40 | | 3.39 | |
| 30 | 3.45 | 4.38 | 4.37 | 4.21 | 4.88 | 5.96 | 4.40 | 3.67 | 3.62 | 3.39 | | 3.42 | |
| 31 | | 4.50 | | 4.20 | 4.74 | | 4.18 | | 3.61 | 3.39 | | 3.33 | |
| Mean | 3.55 | 4.27 | 3.93 | 5.46 | 6.65 | 4.73 | 5.26 | 3.93 | 4.15 | 3.49 | 3.30 | 3.29 | |
| Max | 3.99 | 7.30 | 5.24 | 10.86 | 12.05 | 7.62 | 7.89 | 4.62 | 8.79 | 3.62 | 3.37 | 3.71 | 12.05 |
| Min | 3.35 | 3.29 | 3.50 | 4.04 | 4.35 | 4.00 | 4.18 | 3.67 | 3.61 | 3.39 | 3.21 | 3.11 | 3.11 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 12.15 | m. (MSL.) , | at 19.00 Hours , on Aug 15, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 1.21 | m. (MSL.) |
| Left Bank Elevation | 14.50 | m. (MSL.) , | | | |
| Right Bank Elevation | 14.45 | m. (MSL.) , | Drainage Are | 1,814 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17.90 | 13.40 | 56.40 | 40.40 | 54.20 | 91.85 | 95.75 | 37.20 | 21.75 | 20.00 | 13.40 | 10.00 | | |
| 2 | 23.85 | 13.00 | 41.60 | 240.10 | 49.50 | 67.95 | 91.85 | 34.00 | 21.40 | 20.00 | 13.40 | 10.00 | | |
| 3 | 24.20 | 12.60 | 34.80 | 682.00 | 52.55 | 58.05 | 72.90 | 33.30 | 21.40 | 19.70 | 13.20 | 10.00 | | |
| 4 | 23.15 | 11.80 | 30.85 | 616.30 | 55.30 | 50.50 | 148.80 | 32.60 | 21.05 | 19.70 | 13.20 | 10.00 | | |
| 5 | 33.65 | 21.40 | 27.70 | 321.00 | 121.75 | 46.50 | 170.25 | 31.55 | 20.70 | 19.40 | 13.00 | 10.00 | | |
| 6 | 21.75 | 22.10 | 28.40 | 198.85 | 146.70 | 44.00 | 222.65 | 31.20 | 23.85 | 20.70 | 12.80 | 10.00 | | |
| 7 | 17.00 | 20.35 | 25.60 | 115.90 | 158.25 | 43.00 | 158.25 | 31.55 | 408.90 | 18.50 | 12.80 | 10.00 | | |
| 8 | 13.80 | 22.80 | 23.15 | 78.20 | 358.60 | 71.80 | 68.50 | 31.20 | 290.75 | 18.50 | 12.80 | 10.00 | | |
| 9 | 14.60 | 17.90 | 22.10 | 57.50 | 418.80 | 71.25 | 105.50 | 30.85 | 90.55 | 18.50 | 12.60 | 9.80 | | |
| 10 | 17.00 | 20.35 | 21.75 | 46.00 | 248.20 | 72.90 | 183.00 | 34.40 | 53.65 | 17.90 | 12.60 | 9.80 | | |
| 11 | 19.40 | 22.80 | 21.40 | 39.60 | 167.25 | 49.00 | 289.80 | 33.65 | 38.40 | 17.30 | 12.60 | 9.80 | | |
| 12 | 24.55 | 19.70 | 20.35 | 38.40 | 150.90 | 67.95 | 314.00 | 32.60 | 73.45 | 17.30 | 12.60 | 9.80 | | |
| 13 | 20.35 | 18.20 | 20.00 | 36.40 | 130.60 | 52.00 | 198.85 | 64.10 | 56.40 | 17.00 | 12.40 | 9.80 | | |
| 14 | 25.95 | 15.80 | 19.10 | 35.60 | 146.70 | 60.80 | 146.70 | 34.00 | 38.00 | 17.00 | 12.20 | 9.40 | | |
| 15 | 19.10 | 21.75 | 18.20 | 78.20 | 894.50 | 58.05 | 109.40 | 34.00 | 33.30 | 16.70 | 12.20 | 9.20 | | |
| 16 | 16.40 | 23.50 | 17.90 | 73.45 | 1004.00 | 47.50 | 85.40 | 34.00 | 30.15 | 16.40 | 12.00 | 9.00 | | |
| 17 | 18.80 | 25.25 | 17.60 | 311.00 | 769.45 | 54.20 | 71.25 | 34.00 | 28.40 | 16.10 | 11.80 | 8.80 | | |
| 18 | 16.70 | 59.15 | 17.00 | 230.30 | 585.55 | 41.20 | 63.55 | 33.30 | 28.05 | 16.10 | 11.80 | 8.60 | | |
| 19 | 15.20 | 108.75 | 17.90 | 163.50 | 408.90 | 44.50 | 71.80 | 33.30 | 27.35 | 15.80 | 11.60 | 8.40 | | |
| 20 | 14.60 | 156.75 | 40.80 | 102.90 | 228.60 | 38.00 | 65.75 | 33.30 | 25.60 | 15.20 | 11.40 | 8.20 | | |
| 21 | 14.60 | 259.00 | 30.50 | 85.40 | 159.75 | 36.00 | 58.60 | 28.75 | 24.55 | 15.20 | 11.20 | 20.00 | | |
| 22 | 13.80 | 119.15 | 23.85 | 86.00 | 126.40 | 34.00 | 50.50 | 32.60 | 23.50 | 14.90 | 11.00 | 23.85 | | |
| 23 | 13.00 | 82.40 | 21.05 | 72.90 | 104.20 | 34.00 | 45.50 | 30.15 | 23.15 | 14.90 | 10.80 | 17.90 | | |
| 24 | 13.80 | 109.40 | 25.95 | 80.00 | 88.60 | 34.00 | 60.80 | 27.00 | 23.15 | 14.90 | 10.60 | 18.80 | | |
| 25 | 17.60 | 61.90 | 93.80 | 72.90 | 130.60 | 38.00 | 80.60 | 24.55 | 22.10 | 14.90 | 10.60 | 20.00 | | |
| 26 | 16.40 | 44.50 | 101.60 | 67.95 | 183.00 | 186.75 | 63.55 | 23.85 | 21.75 | 14.90 | 10.60 | 16.70 | | |
| 27 | 19.10 | 119.80 | 58.60 | 59.15 | 195.00 | 287.90 | 52.55 | 23.50 | 21.75 | 14.60 | 10.40 | 14.00 | | |
| 28 | 20.00 | 85.40 | 41.20 | 50.00 | 137.60 | 179.25 | 53.65 | 23.15 | 21.40 | 14.60 | 10.20 | 13.40 | | |
| 29 | 19.40 | 61.90 | 37.60 | 45.50 | 98.35 | 138.30 | 71.25 | 22.80 | 21.05 | 14.00 | | 13.80 | | |
| 30 | 15.50 | 51.00 | 50.50 | 42.50 | 78.80 | 150.20 | 52.00 | 22.45 | 20.70 | 13.80 | | 14.60 | | |
| 31 | | 57.50 | | 42.00 | 70.70 | | 41.20 | | 20.35 | 13.80 | | 12.60 | | |
| Total | 561.15 | 1699.30 | 1007.25 | 4209.90 | 7523.30 | 2249.40 | 3364.15 | 952.90 | 1596.55 | 518.30 | 335.80 | 376.25 | 24394.25 | CMSDAY |
| Mean | 18.71 | 54.82 | 33.58 | 135.80 | 242.69 | 74.98 | 108.52 | 31.76 | 51.50 | 16.72 | 11.99 | 12.14 | 66.83 | CMS |
| Max | 33.65 | 259.00 | 101.60 | 682.00 | 1004.00 | 287.90 | 314.00 | 64.10 | 408.90 | 20.70 | 13.40 | 23.85 | 1004.00 | CMS |
| Min | 13.00 | 11.80 | 17.00 | 35.60 | 49.50 | 34.00 | 41.20 | 22.45 | 20.35 | 13.80 | 10.20 | 8.20 | 8.20 | CMS |
| Runoff | 48.48 | 146.82 | 87.03 | 363.74 | 650.01 | 194.35 | 290.66 | 82.33 | 137.94 | 44.78 | 29.01 | 32.51 | 2107.66 | MCM |

Momentary Peak 1076.00 CMS. at 12.15 m. (MSL.) at 19.00 Hours , on Aug 15, 2006

Runoff Yield 36.84 Liters/Second/Square KM. Momentary Peak Yield 593.16 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Nai Khieo at Ban Thon Hong, Nakhon Si Thammarat (X.165)

Lat 08 - 33 - 47 N Long 99 - 48 - 59 E

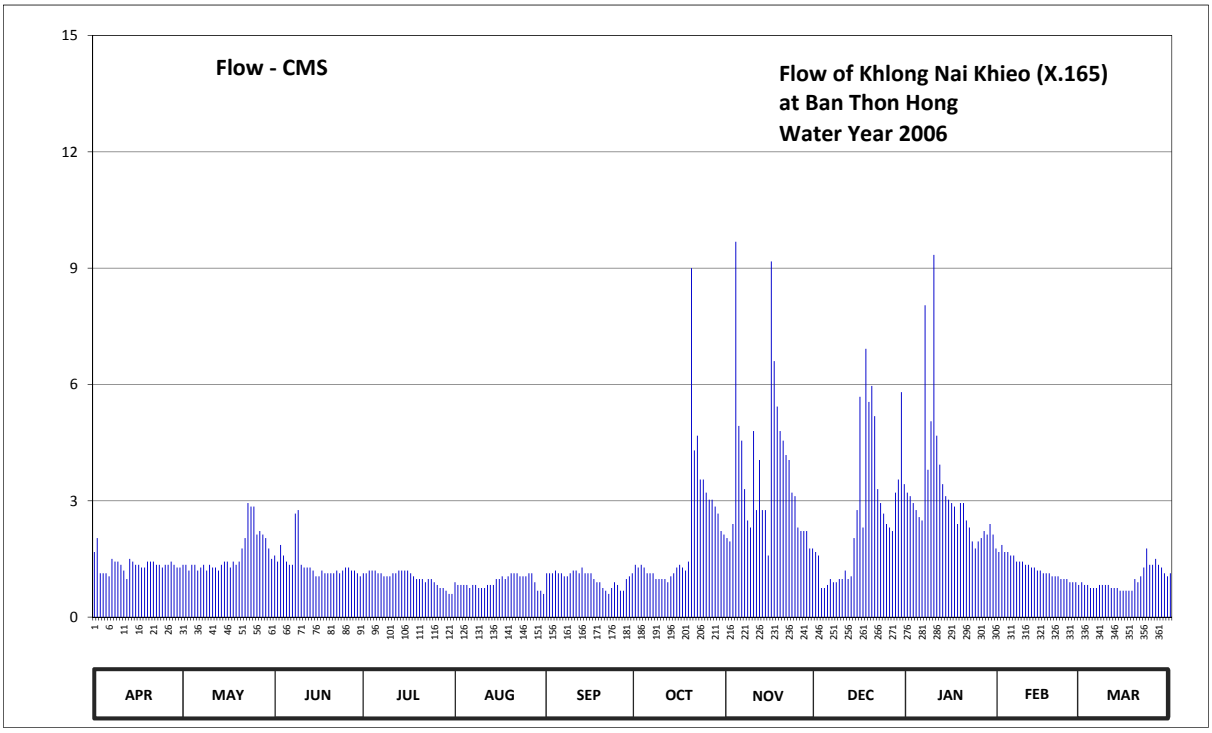
**Location : on right bank at Ban Thon Hong.**

| | | | |
|---|---|---|---|
| | **Ban** Thon Hong | **Amphoe** Phrom Khiri | **Changwat** Nakhon Si Thammar |
| **Drainge Area** | 25 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 9 meters from the top staff gage. | **Elevation** +30.057 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1986 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1989 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1989 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21.22 | 21.18 | 21.21 | 21.15 | 21.12 | 21.15 | 21.18 | 21.26 | 21.22 | 21.39 | 21.22 | 21.12 | |
| 2 | 21.26 | 21.18 | 21.19 | 21.15 | 21.11 | 21.15 | 21.17 | 21.25 | 21.21 | 21.38 | 21.24 | 21.11 | |
| 3 | 21.15 | 21.16 | 21.24 | 21.16 | 21.11 | 21.15 | 21.18 | 21.30 | 21.10 | 21.36 | 21.22 | 21.11 | |
| 4 | 21.15 | 21.18 | 21.21 | 21.16 | 21.11 | 21.16 | 21.17 | 21.84 | 21.10 | 21.34 | 21.22 | 21.10 | |
| 5 | 21.15 | 21.18 | 21.19 | 21.16 | 21.11 | 21.15 | 21.15 | 21.53 | 21.11 | 21.32 | 21.21 | 21.10 | |
| 6 | 21.14 | 21.16 | 21.18 | 21.15 | 21.10 | 21.15 | 21.15 | 21.50 | 21.13 | 21.31 | 21.21 | 21.10 | |
| 7 | 21.20 | 21.17 | 21.18 | 21.15 | 21.11 | 21.14 | 21.15 | 21.40 | 21.12 | 21.74 | 21.19 | 21.11 | |
| 8 | 21.19 | 21.18 | 21.33 | 21.14 | 21.11 | 21.14 | 21.13 | 21.31 | 21.12 | 21.44 | 21.19 | 21.11 | |
| 9 | 21.19 | 21.16 | 21.34 | 21.14 | 21.10 | 21.15 | 21.13 | 21.29 | 21.13 | 21.54 | 21.19 | 21.11 | |
| 10 | 21.18 | 21.18 | 21.18 | 21.14 | 21.10 | 21.16 | 21.13 | 21.52 | 21.13 | 21.82 | 21.18 | 21.11 | |
| 11 | 21.16 | 21.17 | 21.17 | 21.15 | 21.10 | 21.16 | 21.13 | 21.34 | 21.16 | 21.51 | 21.18 | 21.10 | |
| 12 | 21.13 | 21.17 | 21.17 | 21.15 | 21.11 | 21.15 | 21.12 | 21.46 | 21.13 | 21.45 | 21.17 | 21.10 | |
| 13 | 21.20 | 21.16 | 21.17 | 21.16 | 21.11 | 21.17 | 21.14 | 21.34 | 21.14 | 21.41 | 21.17 | 21.10 | |
| 14 | 21.19 | 21.18 | 21.16 | 21.16 | 21.11 | 21.15 | 21.15 | 21.34 | 21.26 | 21.38 | 21.16 | 21.09 | |
| 15 | 21.18 | 21.19 | 21.14 | 21.16 | 21.13 | 21.15 | 21.17 | 21.21 | 21.34 | 21.37 | 21.16 | 21.09 | |
| 16 | 21.18 | 21.19 | 21.14 | 21.16 | 21.13 | 21.15 | 21.18 | 21.81 | 21.59 | 21.36 | 21.15 | 21.09 | |
| 17 | 21.17 | 21.17 | 21.16 | 21.15 | 21.14 | 21.13 | 21.17 | 21.65 | 21.29 | 21.35 | 21.15 | 21.09 | |
| 18 | 21.17 | 21.19 | 21.15 | 21.14 | 21.13 | 21.12 | 21.16 | 21.57 | 21.67 | 21.30 | 21.15 | 21.09 | |
| 19 | 21.19 | 21.18 | 21.15 | 21.13 | 21.14 | 21.12 | 21.19 | 21.52 | 21.58 | 21.36 | 21.14 | 21.13 | |
| 20 | 21.19 | 21.19 | 21.15 | 21.13 | 21.15 | 21.10 | 21.80 | 21.50 | 21.61 | 21.36 | 21.14 | 21.12 | |
| 21 | 21.19 | 21.23 | 21.15 | 21.13 | 21.15 | 21.09 | 21.48 | 21.47 | 21.55 | 21.31 | 21.14 | 21.14 | |
| 22 | 21.18 | 21.26 | 21.16 | 21.12 | 21.15 | 21.08 | 21.51 | 21.46 | 21.40 | 21.29 | 21.13 | 21.17 | |
| 23 | 21.18 | 21.36 | 21.15 | 21.13 | 21.14 | 21.10 | 21.42 | 21.39 | 21.36 | 21.25 | 21.13 | 21.23 | |
| 24 | 21.17 | 21.35 | 21.16 | 21.13 | 21.14 | 21.12 | 21.42 | 21.38 | 21.33 | 21.23 | 21.13 | 21.18 | |
| 25 | 21.18 | 21.35 | 21.17 | 21.12 | 21.14 | 21.11 | 21.39 | 21.29 | 21.30 | 21.25 | 21.12 | 21.18 | |
| 26 | 21.18 | 21.27 | 21.17 | 21.11 | 21.15 | 21.09 | 21.37 | 21.28 | 21.29 | 21.26 | 21.12 | 21.20 | |
| 27 | 21.19 | 21.28 | 21.16 | 21.10 | 21.15 | 21.09 | 21.37 | 21.28 | 21.28 | 21.28 | 21.12 | 21.18 | |
| 28 | 21.18 | 21.27 | 21.16 | 21.10 | 21.12 | 21.13 | 21.35 | 21.28 | 21.39 | 21.27 | 21.11 | 21.17 | |
| 29 | 21.17 | 21.26 | 21.15 | 21.09 | 21.09 | 21.14 | 21.33 | 21.23 | 21.42 | 21.30 | | 21.15 | |
| 30 | 21.17 | 21.23 | 21.14 | 21.08 | 21.09 | 21.15 | 21.28 | 21.23 | 21.60 | 21.27 | | 21.14 | |
| 31 | | 21.20 | | 21.08 | 21.08 | | 21.27 | | 21.41 | 21.23 | | 21.15 | |
| Mean | 21.18 | 21.21 | 21.18 | 21.13 | 21.12 | 21.13 | 21.26 | 21.41 | 21.31 | 21.37 | 21.17 | 21.13 | |
| Max | 21.26 | 21.36 | 21.34 | 21.16 | 21.15 | 21.17 | 21.80 | 21.84 | 21.67 | 21.82 | 21.24 | 21.23 | 21.84 |
| Min | 21.13 | 21.16 | 21.14 | 21.08 | 21.08 | 21.08 | 21.12 | 21.21 | 21.10 | 21.23 | 21.11 | 21.09 | 21.08 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 21.95 | m. (MSL.) , | at 18.00 Hours , on Jun 8 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 20.74 | m. (MSL.) |
| Left Bank Elevation | 31.54 | m. (MSL.) , | | | |
| Right Bank Elevation | 31.56 | m. (MSL.) , | Drainage Are | 25 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.68 | 1.35 | 1.59 | 1.13 | 0.90 | 1.13 | 1.35 | 2.04 | 1.68 | 3.21 | 1.68 | 0.90 | | |
| 2 | 2.04 | 1.35 | 1.43 | 1.13 | 0.83 | 1.13 | 1.28 | 1.95 | 1.59 | 3.12 | 1.86 | 0.83 | | |
| 3 | 1.13 | 1.20 | 1.86 | 1.20 | 0.83 | 1.13 | 1.35 | 2.40 | 0.75 | 2.94 | 1.68 | 0.83 | | |
| 4 | 1.13 | 1.35 | 1.59 | 1.20 | 0.83 | 1.20 | 1.28 | 9.68 | 0.75 | 2.76 | 1.68 | 0.75 | | |
| 5 | 1.13 | 1.35 | 1.43 | 1.20 | 0.83 | 1.13 | 1.13 | 4.93 | 0.83 | 2.58 | 1.59 | 0.75 | | |
| 6 | 1.05 | 1.20 | 1.35 | 1.13 | 0.75 | 1.13 | 1.13 | 4.55 | 0.98 | 2.49 | 1.59 | 0.75 | | |
| 7 | 1.50 | 1.28 | 1.35 | 1.13 | 0.83 | 1.05 | 1.13 | 3.30 | 0.90 | 8.04 | 1.43 | 0.83 | | |
| 8 | 1.43 | 1.35 | 2.67 | 1.05 | 0.83 | 1.05 | 0.98 | 2.49 | 0.90 | 3.80 | 1.43 | 0.83 | | |
| 9 | 1.43 | 1.20 | 2.76 | 1.05 | 0.75 | 1.13 | 0.98 | 2.31 | 0.98 | 5.05 | 1.43 | 0.83 | | |
| 10 | 1.35 | 1.35 | 1.35 | 1.05 | 0.75 | 1.20 | 0.98 | 4.80 | 0.98 | 9.34 | 1.35 | 0.83 | | |
| 11 | 1.20 | 1.28 | 1.28 | 1.13 | 0.75 | 1.20 | 0.98 | 2.76 | 1.20 | 4.68 | 1.35 | 0.75 | | |
| 12 | 0.98 | 1.28 | 1.28 | 1.13 | 0.83 | 1.13 | 0.90 | 4.05 | 0.98 | 3.93 | 1.28 | 0.75 | | |
| 13 | 1.50 | 1.20 | 1.28 | 1.20 | 0.83 | 1.28 | 1.05 | 2.76 | 1.05 | 3.43 | 1.28 | 0.75 | | |
| 14 | 1.43 | 1.35 | 1.20 | 1.20 | 0.83 | 1.13 | 1.13 | 2.76 | 2.04 | 3.12 | 1.20 | 0.68 | | |
| 15 | 1.35 | 1.43 | 1.05 | 1.20 | 0.98 | 1.13 | 1.28 | 1.59 | 2.76 | 3.03 | 1.20 | 0.68 | | |
| 16 | 1.35 | 1.43 | 1.05 | 1.20 | 0.98 | 1.13 | 1.35 | 9.17 | 5.68 | 2.94 | 1.13 | 0.68 | | |
| 17 | 1.28 | 1.28 | 1.20 | 1.13 | 1.05 | 0.98 | 1.28 | 6.60 | 2.31 | 2.85 | 1.13 | 0.68 | | |
| 18 | 1.28 | 1.43 | 1.13 | 1.05 | 0.98 | 0.90 | 1.20 | 5.43 | 6.92 | 2.40 | 1.13 | 0.68 | | |
| 19 | 1.43 | 1.35 | 1.13 | 0.98 | 1.05 | 0.90 | 1.43 | 4.80 | 5.55 | 2.94 | 1.05 | 0.98 | | |
| 20 | 1.43 | 1.43 | 1.13 | 0.98 | 1.13 | 0.75 | 9.00 | 4.55 | 5.96 | 2.94 | 1.05 | 0.90 | | |
| 21 | 1.43 | 1.77 | 1.13 | 0.98 | 1.13 | 0.68 | 4.30 | 4.18 | 5.18 | 2.49 | 1.05 | 1.05 | | |
| 22 | 1.35 | 2.04 | 1.20 | 0.90 | 1.13 | 0.60 | 4.68 | 4.05 | 3.30 | 2.31 | 0.98 | 1.28 | | |
| 23 | 1.35 | 2.94 | 1.13 | 0.98 | 1.05 | 0.75 | 3.55 | 3.21 | 2.94 | 1.95 | 0.98 | 1.77 | | |
| 24 | 1.28 | 2.85 | 1.20 | 0.98 | 1.05 | 0.90 | 3.55 | 3.12 | 2.67 | 1.77 | 0.98 | 1.35 | | |
| 25 | 1.35 | 2.85 | 1.28 | 0.90 | 1.05 | 0.83 | 3.21 | 2.31 | 2.40 | 1.95 | 0.90 | 1.35 | | |
| 26 | 1.35 | 2.13 | 1.28 | 0.83 | 1.13 | 0.68 | 3.03 | 2.22 | 2.31 | 2.04 | 0.90 | 1.50 | | |
| 27 | 1.43 | 2.22 | 1.20 | 0.75 | 1.13 | 0.68 | 3.03 | 2.22 | 2.22 | 2.22 | 0.90 | 1.35 | | |
| 28 | 1.35 | 2.13 | 1.20 | 0.75 | 0.90 | 0.98 | 2.85 | 2.22 | 3.21 | 2.13 | 0.83 | 1.28 | | |
| 29 | 1.28 | 2.04 | 1.13 | 0.68 | 0.68 | 1.05 | 2.67 | 1.77 | 3.55 | 2.40 | | 1.13 | | |
| 30 | 1.28 | 1.77 | 1.05 | 0.60 | 0.68 | 1.13 | 2.22 | 1.77 | 5.80 | 2.13 | | 1.05 | | |
| 31 | | 1.50 | | 0.60 | 0.60 | | 2.13 | | 3.43 | 1.77 | | 1.13 | | |
| Total | 40.55 | 50.68 | 40.91 | 31.42 | 28.07 | 30.09 | 66.41 | 109.99 | 81.80 | 98.75 | 35.04 | 29.90 | 643.61 | CMSDAY |
| Mean | 1.35 | 1.63 | 1.36 | 1.01 | 0.91 | 1.00 | 2.14 | 3.67 | 2.64 | 3.19 | 1.25 | 0.96 | 1.76 | CMS |
| Max | 2.04 | 2.94 | 2.76 | 1.20 | 1.13 | 1.28 | 9.00 | 9.68 | 6.92 | 9.34 | 1.86 | 1.77 | 9.68 | CMS |
| Min | 0.98 | 1.20 | 1.05 | 0.60 | 0.60 | 0.60 | 0.90 | 1.59 | 0.75 | 1.77 | 0.83 | 0.68 | 0.60 | CMS |
| Runoff | 3.50 | 4.38 | 3.53 | 2.71 | 2.43 | 2.60 | 5.74 | 9.50 | 7.07 | 8.53 | 3.03 | 2.58 | 55.61 | MCM |

Momentary Peak 11.55 CMS. at 21.95 m. (MSL.) at 18.00 Hours , on Jun 8 , 2006

Runoff Yield 70.53 Liters/Second/Square KM. Momentary Peak Yield 462.00 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Sao Thong at Ban Sao Thong , Nakhon Si Thammarat (X.167)

Lat 08 - 16 - 44 N Long 99 - 54 - 30 E

**Location : on right bank at the bridge.**

| | |
|---|---|
| | **Ban** Sao Thong **Amphoe** Ron Phibun **Changwat** Nakhon Si Thammar |
| **Drainge Area** | 252 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 4.50 meters from the top staff gage. **Elevation** +12.456 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1986 to date |
| **Rating Operation** | |
| **Period of Rating** | 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1989 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 26 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

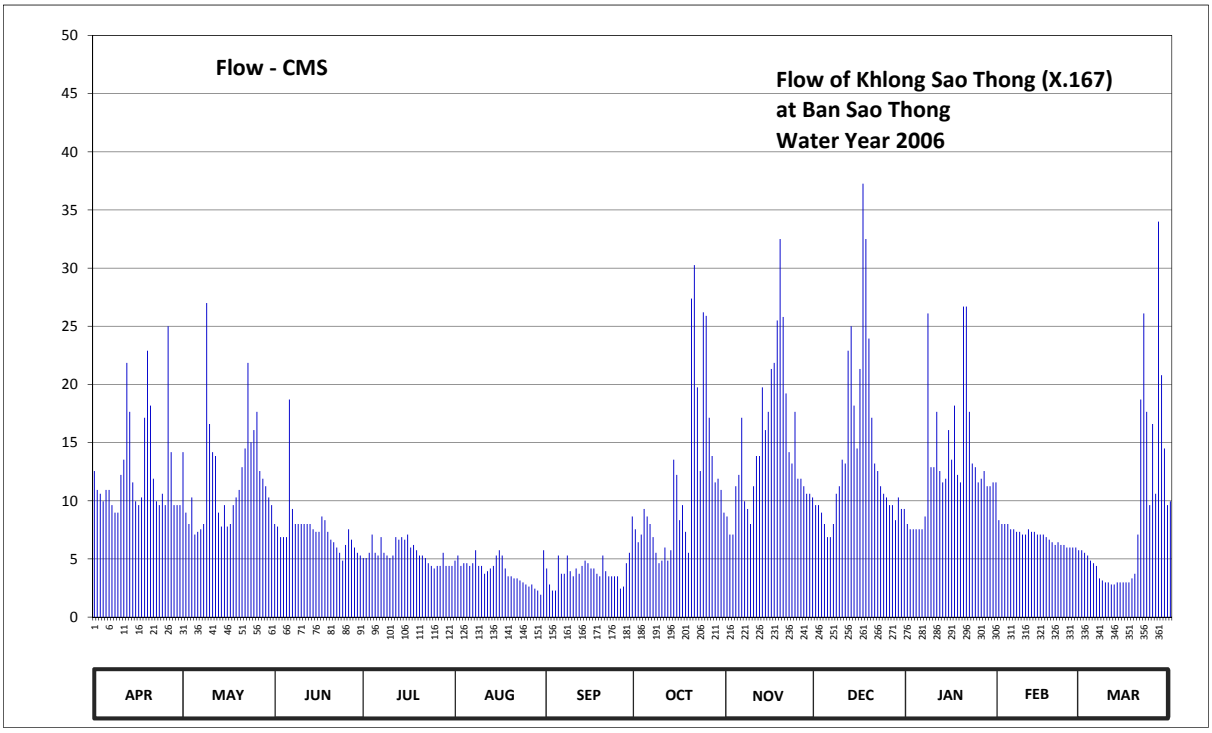
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.54 | 8.59 | 8.40 | 8.27 | 8.26 | 8.23 | 8.38 | 8.42 | 8.45 | 8.40 | 8.41 | 8.30 | |
| 2 | 8.49 | 8.43 | 8.39 | 8.27 | 8.28 | 8.16 | 8.33 | 8.36 | 8.45 | 8.38 | 8.40 | 8.29 | |
| 3 | 8.48 | 8.40 | 8.35 | 8.29 | 8.24 | 8.13 | 8.36 | 8.36 | 8.43 | 8.38 | 8.40 | 8.28 | |
| 4 | 8.46 | 8.47 | 8.35 | 8.36 | 8.25 | 8.13 | 8.44 | 8.50 | 8.40 | 8.38 | 8.40 | 8.26 | |
| 5 | 8.49 | 8.36 | 8.35 | 8.29 | 8.25 | 8.28 | 8.42 | 8.53 | 8.35 | 8.38 | 8.38 | 8.25 | |
| 6 | 8.49 | 8.37 | 8.68 | 8.28 | 8.24 | 8.21 | 8.40 | 8.65 | 8.35 | 8.38 | 8.38 | 8.24 | |
| 7 | 8.45 | 8.38 | 8.44 | 8.35 | 8.25 | 8.21 | 8.35 | 8.46 | 8.40 | 8.42 | 8.37 | 8.19 | |
| 8 | 8.43 | 8.40 | 8.40 | 8.29 | 8.30 | 8.28 | 8.29 | 8.44 | 8.48 | 8.91 | 8.37 | 8.18 | |
| 9 | 8.43 | 9.00 | 8.40 | 8.28 | 8.24 | 8.22 | 8.25 | 8.40 | 8.50 | 8.55 | 8.36 | 8.17 | |
| 10 | 8.53 | 8.64 | 8.40 | 8.27 | 8.24 | 8.20 | 8.26 | 8.50 | 8.57 | 8.55 | 8.36 | 8.17 | |
| 11 | 8.57 | 8.59 | 8.40 | 8.28 | 8.21 | 8.23 | 8.31 | 8.58 | 8.56 | 8.66 | 8.38 | 8.16 | |
| 12 | 8.74 | 8.58 | 8.40 | 8.35 | 8.22 | 8.21 | 8.26 | 8.58 | 8.76 | 8.54 | 8.37 | 8.16 | |
| 13 | 8.66 | 8.43 | 8.40 | 8.34 | 8.23 | 8.24 | 8.30 | 8.70 | 8.80 | 8.51 | 8.37 | 8.17 | |
| 14 | 8.51 | 8.39 | 8.38 | 8.35 | 8.24 | 8.26 | 8.57 | 8.63 | 8.67 | 8.52 | 8.36 | 8.17 | |
| 15 | 8.46 | 8.45 | 8.37 | 8.34 | 8.28 | 8.25 | 8.53 | 8.66 | 8.60 | 8.63 | 8.36 | 8.17 | |
| 16 | 8.45 | 8.39 | 8.37 | 8.36 | 8.30 | 8.23 | 8.41 | 8.73 | 8.73 | 8.57 | 8.36 | 8.17 | |
| 17 | 8.47 | 8.40 | 8.42 | 8.31 | 8.28 | 8.23 | 8.45 | 8.74 | 9.70 | 8.67 | 8.35 | 8.17 | |
| 18 | 8.65 | 8.45 | 8.41 | 8.32 | 8.23 | 8.21 | 8.37 | 8.85 | 9.40 | 8.53 | 8.34 | 8.19 | |
| 19 | 8.76 | 8.47 | 8.37 | 8.30 | 8.20 | 8.20 | 8.29 | 9.40 | 8.78 | 8.51 | 8.33 | 8.21 | |
| 20 | 8.67 | 8.49 | 8.34 | 8.28 | 8.20 | 8.28 | 9.03 | 8.88 | 8.65 | 8.97 | 8.32 | 8.36 | |
| 21 | 8.52 | 8.55 | 8.33 | 8.28 | 8.19 | 8.22 | 9.25 | 8.69 | 8.56 | 8.97 | 8.33 | 8.68 | |
| 22 | 8.46 | 8.60 | 8.31 | 8.27 | 8.19 | 8.20 | 8.70 | 8.59 | 8.54 | 8.66 | 8.32 | 8.91 | |
| 23 | 8.45 | 8.74 | 8.29 | 8.25 | 8.18 | 8.20 | 8.54 | 8.56 | 8.50 | 8.56 | 8.32 | 8.66 | |
| 24 | 8.48 | 8.61 | 8.26 | 8.24 | 8.17 | 8.20 | 8.92 | 8.66 | 8.48 | 8.55 | 8.31 | 8.45 | |
| 25 | 8.45 | 8.63 | 8.32 | 8.23 | 8.16 | 8.20 | 8.89 | 8.52 | 8.47 | 8.51 | 8.31 | 8.64 | |
| 26 | 8.80 | 8.66 | 8.38 | 8.24 | 8.15 | 8.14 | 8.65 | 8.52 | 8.45 | 8.52 | 8.31 | 8.48 | |
| 27 | 8.59 | 8.54 | 8.34 | 8.24 | 8.16 | 8.15 | 8.58 | 8.50 | 8.45 | 8.54 | 8.31 | 9.50 | |
| 28 | 8.45 | 8.52 | 8.31 | 8.29 | 8.14 | 8.25 | 8.51 | 8.48 | 8.41 | 8.50 | 8.30 | 8.72 | |
| 29 | 8.45 | 8.50 | 8.29 | 8.24 | 8.13 | 8.29 | 8.52 | 8.48 | 8.47 | 8.50 | | 8.60 | |
| 30 | 8.45 | 8.47 | 8.28 | 8.24 | 8.11 | 8.42 | 8.49 | 8.47 | 8.44 | 8.51 | | 8.45 | |
| 31 | | 8.45 | | 8.24 | 8.30 | | 8.43 | | 8.44 | 8.51 | | 8.46 | |
| Mean | 8.53 | 8.51 | 8.37 | 8.29 | 8.22 | 8.22 | 8.50 | 8.59 | 8.59 | 8.55 | 8.35 | 8.38 | |
| Max | 8.80 | 9.00 | 8.68 | 8.36 | 8.30 | 8.42 | 9.25 | 9.40 | 9.70 | 8.97 | 8.41 | 9.50 | 9.70 |
| Min | 8.43 | 8.36 | 8.26 | 8.23 | 8.11 | 8.13 | 8.25 | 8.36 | 8.35 | 8.38 | 8.30 | 8.16 | 8.11 |

Annual Max Momentary Gage Height 10.47 m. (MSL.) , at 06.00 Hours , on Oct 21, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 7.81 m. (MSL.)

Left Bank Elevation 14.16 m. (MSL.) ,

Right Bank Elevation 14.14 m. (MSL.) , Drainage Are 252 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.55 | 14.18 | 8.00 | 5.08 | 4.85 | 4.18 | 7.55 | 8.65 | 9.63 | 8.00 | 8.33 | 5.75 | | |
| 2 | 10.93 | 8.98 | 7.78 | 5.08 | 5.30 | 2.80 | 6.43 | 7.10 | 9.63 | 7.55 | 8.00 | 5.53 | | |
| 3 | 10.60 | 8.00 | 6.88 | 5.53 | 4.40 | 2.28 | 7.10 | 7.10 | 8.98 | 7.55 | 8.00 | 5.30 | | |
| 4 | 9.95 | 10.28 | 6.88 | 7.10 | 4.63 | 2.28 | 9.30 | 11.25 | 8.00 | 7.55 | 8.00 | 4.85 | | |
| 5 | 10.93 | 7.10 | 6.88 | 5.53 | 4.63 | 5.30 | 8.65 | 12.23 | 6.88 | 7.55 | 7.55 | 4.63 | | |
| 6 | 10.93 | 7.33 | 18.70 | 5.30 | 4.40 | 3.73 | 8.00 | 17.13 | 6.88 | 7.55 | 7.55 | 4.40 | | |
| 7 | 9.63 | 7.55 | 9.30 | 6.88 | 4.63 | 3.73 | 6.88 | 9.95 | 8.00 | 8.65 | 7.33 | 3.33 | | |
| 8 | 8.98 | 8.00 | 8.00 | 5.53 | 5.75 | 5.30 | 5.53 | 9.30 | 10.60 | 26.10 | 7.33 | 3.15 | | |
| 9 | 8.98 | 27.00 | 8.00 | 5.30 | 4.40 | 3.95 | 4.63 | 8.00 | 11.25 | 12.88 | 7.10 | 2.98 | | |
| 10 | 12.23 | 16.60 | 8.00 | 5.08 | 4.40 | 3.50 | 4.85 | 11.25 | 13.53 | 12.88 | 7.10 | 2.98 | | |
| 11 | 13.53 | 14.18 | 8.00 | 5.30 | 3.73 | 4.18 | 5.98 | 13.85 | 13.20 | 17.65 | 7.55 | 2.80 | | |
| 12 | 21.85 | 13.85 | 8.00 | 6.88 | 3.95 | 3.73 | 4.85 | 13.85 | 22.90 | 12.55 | 7.33 | 2.80 | | |
| 13 | 17.65 | 8.98 | 8.00 | 6.65 | 4.18 | 4.40 | 5.75 | 19.75 | 25.00 | 11.58 | 7.33 | 2.98 | | |
| 14 | 11.58 | 7.78 | 7.55 | 6.88 | 4.40 | 4.85 | 13.53 | 16.08 | 18.18 | 11.90 | 7.10 | 2.98 | | |
| 15 | 9.95 | 9.63 | 7.33 | 6.65 | 5.30 | 4.63 | 12.23 | 17.65 | 14.50 | 16.08 | 7.10 | 2.98 | | |
| 16 | 9.63 | 7.78 | 7.33 | 7.10 | 5.75 | 4.18 | 8.33 | 21.33 | 21.33 | 13.53 | 7.10 | 2.98 | | |
| 17 | 10.28 | 8.00 | 8.65 | 5.98 | 5.30 | 4.18 | 9.63 | 21.85 | 37.25 | 18.18 | 6.88 | 2.98 | | |
| 18 | 17.13 | 9.63 | 8.33 | 6.20 | 4.18 | 3.73 | 7.33 | 25.50 | 32.50 | 12.23 | 6.65 | 3.33 | | |
| 19 | 22.90 | 10.28 | 7.33 | 5.75 | 3.50 | 3.50 | 5.53 | 32.50 | 23.95 | 11.58 | 6.43 | 3.73 | | |
| 20 | 18.18 | 10.93 | 6.65 | 5.30 | 3.50 | 5.30 | 27.38 | 25.80 | 17.13 | 26.70 | 6.20 | 7.10 | | |
| 21 | 11.90 | 12.88 | 6.43 | 5.30 | 3.33 | 3.95 | 30.25 | 19.23 | 13.20 | 26.70 | 6.43 | 18.70 | | |
| 22 | 9.95 | 14.50 | 5.98 | 5.08 | 3.33 | 3.50 | 19.75 | 14.18 | 12.55 | 17.65 | 6.20 | 26.10 | | |
| 23 | 9.63 | 21.85 | 5.53 | 4.63 | 3.15 | 3.50 | 12.55 | 13.20 | 11.25 | 13.20 | 6.20 | 17.65 | | |
| 24 | 10.60 | 15.03 | 4.85 | 4.40 | 2.98 | 3.50 | 26.20 | 17.65 | 10.60 | 12.88 | 5.98 | 9.63 | | |
| 25 | 9.63 | 16.08 | 6.20 | 4.18 | 2.80 | 3.50 | 25.90 | 11.90 | 10.28 | 11.58 | 5.98 | 16.60 | | |
| 26 | 25.00 | 17.65 | 7.55 | 4.40 | 2.63 | 2.45 | 17.13 | 11.90 | 9.63 | 11.90 | 5.98 | 10.60 | | |
| 27 | 14.18 | 12.55 | 6.65 | 4.40 | 2.80 | 2.63 | 13.85 | 11.25 | 9.63 | 12.55 | 5.98 | 34.00 | | |
| 28 | 9.63 | 11.90 | 5.98 | 5.53 | 2.45 | 4.63 | 11.58 | 10.60 | 8.33 | 11.25 | 5.75 | 20.80 | | |
| 29 | 9.63 | 11.25 | 5.53 | 4.40 | 2.28 | 5.53 | 11.90 | 10.60 | 10.28 | 11.25 | | 14.50 | | |
| 30 | 9.63 | 10.28 | 5.30 | 4.40 | 1.93 | 8.65 | 10.93 | 10.28 | 9.30 | 11.58 | | 9.63 | | |
| 31 | | 9.63 | | 4.40 | 5.75 | | 8.98 | | 9.30 | 11.58 | | 9.95 | | |
| Total | 378.17 | 369.66 | 225.59 | 170.22 | 124.61 | 121.57 | 358.48 | 440.91 | 433.67 | 410.36 | 194.46 | 265.72 | 3493.42 | CMSDAY |
| Mean | 12.61 | 11.92 | 7.52 | 5.49 | 4.02 | 4.05 | 11.56 | 14.70 | 13.99 | 13.24 | 6.94 | 8.57 | 9.57 | CMS |
| Max | 25.00 | 27.00 | 18.70 | 7.10 | 5.75 | 8.65 | 30.25 | 32.50 | 37.25 | 26.70 | 8.33 | 34.00 | 37.25 | CMS |
| Min | 8.98 | 7.10 | 4.85 | 4.18 | 1.93 | 2.28 | 4.63 | 7.10 | 6.88 | 7.55 | 5.75 | 2.80 | 1.93 | CMS |
| Runoff | 32.67 | 31.94 | 19.49 | 14.71 | 10.77 | 10.50 | 30.97 | 38.09 | 37.47 | 35.46 | 16.80 | 22.96 | 301.83 | MCM |

Momentary Peak 54.25 CMS. at 10.47 m. (MSL.) at 06.00 Hours , on Oct 21, 2006

Runoff Yield 37.98 Liters/Second/Square KM. Momentary Peak Yield 215.29 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Thadee at Ban Wang Sai, Nakhon Si Thammarat (X.200)

Lat 08 - 24 - 32 N Long 99 - 47 - 54 E

**Location : on left bank at Ban Wang Sai.**

**Ban** Wang Sai **Amphoe** Lan Saka **Changwat** Nakhon Si Thammar

| | |
|---|---|
| **Drainge Area** | 83 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the gage site. **Elevation** +36.394 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 2006 to date |
| **Rating Operation** | |
| **Period of Rating** | 2006 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2006 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records poor. Stage-discharge relation defined by 26 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

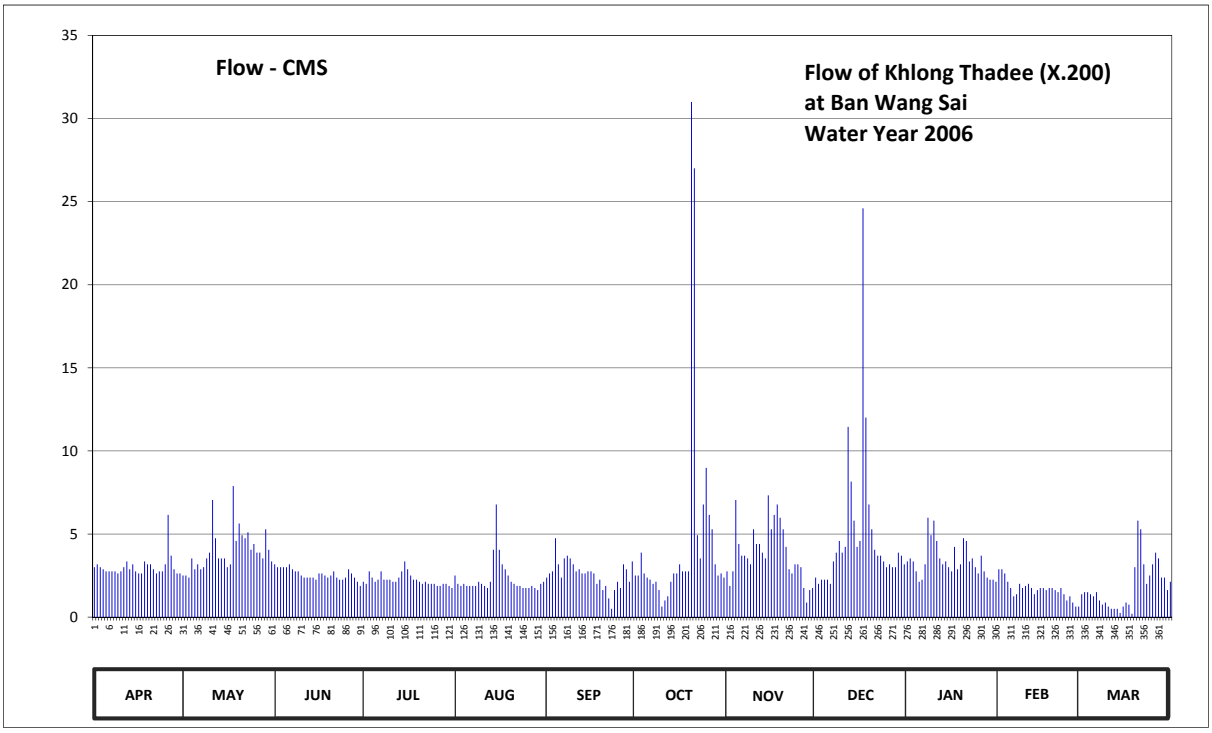
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31.60 | 31.56 | 31.61 | 31.53 | 31.56 | 31.55 | 31.56 | 31.58 | 31.55 | 31.62 | 31.59 | 31.47 | |
| 2 | 31.61 | 31.56 | 31.60 | 31.52 | 31.52 | 31.57 | 31.56 | 31.51 | 31.52 | 31.63 | 31.59 | 31.48 | |
| 3 | 31.60 | 31.55 | 31.60 | 31.58 | 31.51 | 31.58 | 31.65 | 31.58 | 31.54 | 31.62 | 31.57 | 31.48 | |
| 4 | 31.59 | 31.63 | 31.60 | 31.55 | 31.52 | 31.70 | 31.57 | 31.82 | 31.54 | 31.58 | 31.53 | 31.47 | |
| 5 | 31.58 | 31.59 | 31.60 | 31.53 | 31.51 | 31.61 | 31.55 | 31.68 | 31.54 | 31.53 | 31.50 | 31.46 | |
| 6 | 31.58 | 31.61 | 31.61 | 31.54 | 31.51 | 31.55 | 31.54 | 31.64 | 31.52 | 31.54 | 31.46 | 31.48 | |
| 7 | 31.58 | 31.59 | 31.59 | 31.58 | 31.51 | 31.63 | 31.52 | 31.64 | 31.62 | 31.61 | 31.47 | 31.44 | |
| 8 | 31.58 | 31.60 | 31.58 | 31.54 | 31.51 | 31.64 | 31.53 | 31.63 | 31.65 | 31.77 | 31.52 | 31.42 | |
| 9 | 31.57 | 31.63 | 31.58 | 31.54 | 31.53 | 31.63 | 31.49 | 31.61 | 31.69 | 31.71 | 31.50 | 31.43 | |
| 10 | 31.58 | 31.65 | 31.56 | 31.54 | 31.52 | 31.61 | 31.41 | 31.73 | 31.65 | 31.76 | 31.51 | 31.41 | |
| 11 | 31.60 | 31.82 | 31.55 | 31.53 | 31.51 | 31.58 | 31.44 | 31.68 | 31.67 | 31.69 | 31.52 | 31.40 | |
| 12 | 31.62 | 31.70 | 31.55 | 31.53 | 31.50 | 31.59 | 31.46 | 31.68 | 31.98 | 31.63 | 31.50 | 31.40 | |
| 13 | 31.59 | 31.63 | 31.55 | 31.55 | 31.53 | 31.57 | 31.53 | 31.65 | 31.86 | 31.61 | 31.47 | 31.40 | |
| 14 | 31.61 | 31.63 | 31.55 | 31.58 | 31.66 | 31.57 | 31.57 | 31.63 | 31.76 | 31.62 | 31.49 | 31.35 | |
| 15 | 31.58 | 31.63 | 31.54 | 31.62 | 31.81 | 31.58 | 31.57 | 31.83 | 31.67 | 31.60 | 31.50 | 31.41 | |
| 16 | 31.57 | 31.60 | 31.57 | 31.59 | 31.66 | 31.58 | 31.61 | 31.73 | 31.69 | 31.58 | 31.50 | 31.43 | |
| 17 | 31.57 | 31.61 | 31.57 | 31.56 | 31.61 | 31.57 | 31.58 | 31.78 | 32.34 | 31.67 | 31.49 | 31.42 | |
| 18 | 31.62 | 31.85 | 31.56 | 31.54 | 31.59 | 31.52 | 31.58 | 31.81 | 32.00 | 31.59 | 31.50 | 31.34 | |
| 19 | 31.61 | 31.69 | 31.55 | 31.54 | 31.56 | 31.54 | 31.58 | 31.77 | 31.81 | 31.61 | 31.50 | 31.60 | |
| 20 | 31.61 | 31.75 | 31.56 | 31.53 | 31.53 | 31.49 | 32.48 | 31.73 | 31.73 | 31.70 | 31.49 | 31.76 | |
| 21 | 31.59 | 31.71 | 31.58 | 31.52 | 31.52 | 31.51 | 32.40 | 31.67 | 31.66 | 31.69 | 31.48 | 31.73 | |
| 22 | 31.57 | 31.70 | 31.55 | 31.53 | 31.51 | 31.45 | 31.71 | 31.59 | 31.64 | 31.62 | 31.50 | 31.61 | |
| 23 | 31.58 | 31.72 | 31.54 | 31.52 | 31.51 | 31.40 | 31.63 | 31.57 | 31.64 | 31.63 | 31.47 | 31.52 | |
| 24 | 31.58 | 31.66 | 31.54 | 31.52 | 31.50 | 31.49 | 31.81 | 31.61 | 31.62 | 31.60 | 31.44 | 31.56 | |
| 25 | 31.61 | 31.68 | 31.55 | 31.52 | 31.50 | 31.53 | 31.89 | 31.61 | 31.60 | 31.57 | 31.46 | 31.61 | |
| 26 | 31.78 | 31.65 | 31.59 | 31.51 | 31.50 | 31.50 | 31.78 | 31.60 | 31.61 | 31.64 | 31.43 | 31.65 | |
| 27 | 31.64 | 31.65 | 31.57 | 31.51 | 31.51 | 31.61 | 31.73 | 31.50 | 31.60 | 31.58 | 31.41 | 31.63 | |
| 28 | 31.59 | 31.63 | 31.55 | 31.52 | 31.50 | 31.59 | 31.61 | 31.43 | 31.60 | 31.55 | 31.41 | 31.55 | |
| 29 | 31.57 | 31.73 | 31.53 | 31.52 | 31.49 | 31.53 | 31.56 | 31.49 | 31.65 | 31.54 | | 31.55 | |
| 30 | 31.57 | 31.66 | 31.51 | 31.51 | 31.52 | 31.62 | 31.57 | 31.50 | 31.64 | 31.54 | | 31.49 | |
| 31 | | 31.62 | | 31.50 | 31.53 | | 31.55 | | 31.61 | 31.53 | | 31.53 | |
| Mean | 31.60 | 31.65 | 31.57 | 31.54 | 31.54 | 31.56 | 31.65 | 31.64 | 31.68 | 31.62 | 31.49 | 31.50 | |
| Max | 31.78 | 31.85 | 31.61 | 31.62 | 31.81 | 31.70 | 32.48 | 31.83 | 32.34 | 31.77 | 31.59 | 31.76 | 32.48 |
| Min | 31.57 | 31.55 | 31.51 | 31.50 | 31.49 | 31.40 | 31.41 | 31.43 | 31.52 | 31.53 | 31.41 | 31.34 | 31.34 |

Annual Max Momentary Gage Height 33.87 m. (MSL.) , at 07.00 Hours , on Oct 20, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 30.97 m. (MSL.)

Left Bank Elevation 34.90 m. (MSL.) ,

Right Bank Elevation 34.84 m. (MSL.) , Drainage Are 83 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.00 | 2.50 | 3.18 | 2.13 | 2.50 | 2.38 | 2.50 | 2.75 | 2.38 | 3.35 | 2.88 | 1.38 | | |
| 2 | 3.18 | 2.50 | 3.00 | 2.00 | 2.00 | 2.63 | 2.50 | 1.88 | 2.00 | 3.53 | 2.88 | 1.50 | | |
| 3 | 3.00 | 2.38 | 3.00 | 2.75 | 1.88 | 2.75 | 3.88 | 2.75 | 2.25 | 3.35 | 2.63 | 1.50 | | |
| 4 | 2.88 | 3.53 | 3.00 | 2.38 | 2.00 | 4.75 | 2.63 | 7.05 | 2.25 | 2.75 | 2.13 | 1.38 | | |
| 5 | 2.75 | 2.88 | 3.00 | 2.13 | 1.88 | 3.18 | 2.38 | 4.40 | 2.25 | 2.13 | 1.75 | 1.25 | | |
| 6 | 2.75 | 3.18 | 3.18 | 2.25 | 1.88 | 2.38 | 2.25 | 3.70 | 2.00 | 2.25 | 1.25 | 1.50 | | |
| 7 | 2.75 | 2.88 | 2.88 | 2.75 | 1.88 | 3.53 | 2.00 | 3.70 | 3.35 | 3.18 | 1.38 | 1.00 | | |
| 8 | 2.75 | 3.00 | 2.75 | 2.25 | 1.88 | 3.70 | 2.13 | 3.53 | 3.88 | 5.98 | 2.00 | 0.75 | | |
| 9 | 2.63 | 3.53 | 2.75 | 2.25 | 2.13 | 3.53 | 1.63 | 3.18 | 4.58 | 4.93 | 1.75 | 0.88 | | |
| 10 | 2.75 | 3.88 | 2.50 | 2.25 | 2.00 | 3.18 | 0.63 | 5.28 | 3.88 | 5.80 | 1.88 | 0.63 | | |
| 11 | 3.00 | 7.05 | 2.38 | 2.13 | 1.88 | 2.75 | 1.00 | 4.40 | 4.23 | 4.58 | 2.00 | 0.50 | | |
| 12 | 3.35 | 4.75 | 2.38 | 2.13 | 1.75 | 2.88 | 1.25 | 4.40 | 11.45 | 3.53 | 1.75 | 0.50 | | |
| 13 | 2.88 | 3.53 | 2.38 | 2.38 | 2.13 | 2.63 | 2.13 | 3.88 | 8.15 | 3.18 | 1.38 | 0.50 | | |
| 14 | 3.18 | 3.53 | 2.38 | 2.75 | 4.05 | 2.63 | 2.63 | 3.53 | 5.80 | 3.35 | 1.63 | 0.25 | | |
| 15 | 2.75 | 3.53 | 2.25 | 3.35 | 6.78 | 2.75 | 2.63 | 7.33 | 4.23 | 3.00 | 1.75 | 0.63 | | |
| 16 | 2.63 | 3.00 | 2.63 | 2.88 | 4.05 | 2.75 | 3.18 | 5.28 | 4.58 | 2.75 | 1.75 | 0.88 | | |
| 17 | 2.63 | 3.18 | 2.63 | 2.50 | 3.18 | 2.63 | 2.75 | 6.15 | 24.60 | 4.23 | 1.63 | 0.75 | | |
| 18 | 3.35 | 7.88 | 2.50 | 2.25 | 2.88 | 2.00 | 2.75 | 6.78 | 12.00 | 2.88 | 1.75 | 0.20 | | |
| 19 | 3.18 | 4.58 | 2.38 | 2.25 | 2.50 | 2.25 | 2.75 | 5.98 | 6.78 | 3.18 | 1.75 | 3.00 | | |
| 20 | 3.18 | 5.63 | 2.50 | 2.13 | 2.13 | 1.63 | 31.00 | 5.28 | 5.28 | 4.75 | 1.63 | 5.80 | | |
| 21 | 2.88 | 4.93 | 2.75 | 2.00 | 2.00 | 1.88 | 27.00 | 4.23 | 4.05 | 4.58 | 1.50 | 5.28 | | |
| 22 | 2.63 | 4.75 | 2.38 | 2.13 | 1.88 | 1.13 | 4.93 | 2.88 | 3.70 | 3.35 | 1.75 | 3.18 | | |
| 23 | 2.75 | 5.10 | 2.25 | 2.00 | 1.88 | 0.50 | 3.53 | 2.63 | 3.70 | 3.53 | 1.38 | 2.00 | | |
| 24 | 2.75 | 4.05 | 2.25 | 2.00 | 1.75 | 1.63 | 6.78 | 3.18 | 3.35 | 3.00 | 1.00 | 2.50 | | |
| 25 | 3.18 | 4.40 | 2.38 | 2.00 | 1.75 | 2.13 | 8.98 | 3.18 | 3.00 | 2.63 | 1.25 | 3.18 | | |
| 26 | 6.15 | 3.88 | 2.88 | 1.88 | 1.75 | 1.75 | 6.15 | 3.00 | 3.18 | 3.70 | 0.88 | 3.88 | | |
| 27 | 3.70 | 3.88 | 2.63 | 1.88 | 1.88 | 3.18 | 5.28 | 1.75 | 3.00 | 2.75 | 0.63 | 3.53 | | |
| 28 | 2.88 | 3.53 | 2.38 | 2.00 | 1.75 | 2.88 | 3.18 | 0.88 | 3.00 | 2.38 | 0.63 | 2.38 | | |
| 29 | 2.63 | 5.28 | 2.13 | 2.00 | 1.63 | 2.13 | 2.50 | 1.63 | 3.88 | 2.25 | | 2.38 | | |
| 30 | 2.63 | 4.05 | 1.88 | 1.88 | 2.00 | 3.35 | 2.63 | 1.75 | 3.70 | 2.25 | | 1.63 | | |
| 31 | | 3.35 | | 1.75 | 2.13 | | 2.38 | | 3.18 | 2.13 | | 2.13 | | |
| Total | 90.75 | 124.12 | 77.56 | 69.41 | 71.76 | 77.47 | 147.94 | 116.34 | 153.66 | 105.23 | 46.57 | 56.85 | 1137.66 | CMSDAY |
| Mean | 3.03 | 4.00 | 2.59 | 2.24 | 2.31 | 2.58 | 4.77 | 3.88 | 4.96 | 3.39 | 1.66 | 1.83 | 3.12 | CMS |
| Max | 6.15 | 7.88 | 3.18 | 3.35 | 6.78 | 4.75 | 31.00 | 7.33 | 24.60 | 5.98 | 2.88 | 5.80 | 31.00 | CMS |
| Min | 2.63 | 2.38 | 1.88 | 1.75 | 1.63 | 0.50 | 0.63 | 0.88 | 2.00 | 2.13 | 0.63 | 0.20 | 0.20 | CMS |
| Runoff | 7.84 | 10.72 | 6.70 | 6.00 | 6.20 | 6.69 | 12.78 | 10.05 | 13.28 | 9.09 | 4.02 | 4.91 | 98.29 | MCM |

Momentary Peak 112.90 CMS. at 33.87 m. (MSL.) at 07.00 Hours , on Oct 20, 2006

Runoff Yield 37.55 Liters/Second/Square KM. Momentary Peak Yield 1360.04 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Thadee at Ban Na Pa , Nakhon Si Thammarat (X.203)

Lat 08 - 23 - 39 N Long 99 - 54 - 55 E

**Location : on left bank at Ban Na Pa.**

| | | | |
|---|---|---|---|
| | **Ban** Na Pa | **Amphoe** Mueang | **Changwat** Nakhon Si Thammar |
| **Drainge Area** | 120 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +12.303 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2000 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2000 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2000 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

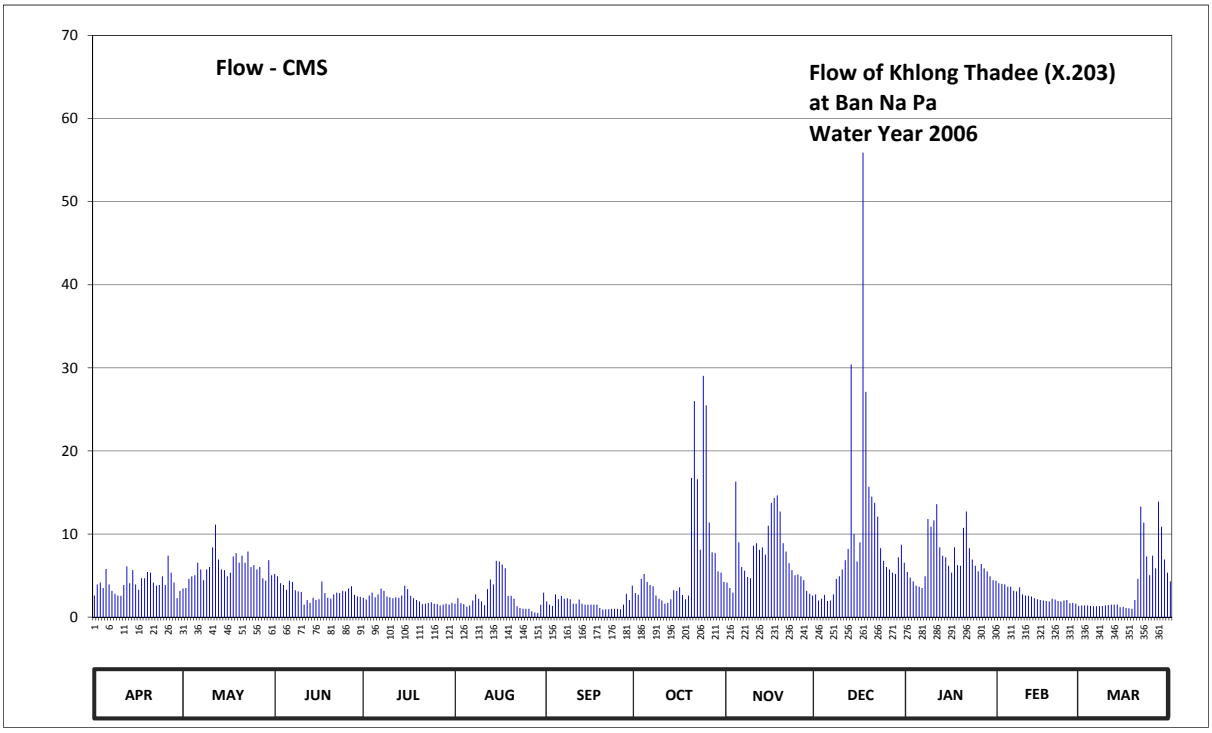
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.20 | 8.32 | 8.56 | 8.15 | 8.02 | 8.07 | 8.24 | 8.42 | 8.22 | 8.59 | 8.41 | 7.98 | |
| 2 | 8.39 | 8.33 | 8.52 | 8.11 | 8.14 | 8.00 | 8.21 | 8.33 | 8.09 | 8.50 | 8.40 | 7.98 | |
| 3 | 8.42 | 8.48 | 8.41 | 8.20 | 8.03 | 7.97 | 8.48 | 8.25 | 8.13 | 8.44 | 8.39 | 7.98 | |
| 4 | 8.33 | 8.52 | 8.38 | 8.25 | 8.01 | 8.22 | 8.56 | 9.52 | 8.21 | 8.37 | 8.35 | 7.97 | |
| 5 | 8.64 | 8.54 | 8.30 | 8.16 | 7.95 | 8.12 | 8.43 | 9.00 | 8.08 | 8.35 | 8.35 | 7.96 | |
| 6 | 8.39 | 8.74 | 8.45 | 8.22 | 7.98 | 8.19 | 8.38 | 8.67 | 8.09 | 8.33 | 8.28 | 7.96 | |
| 7 | 8.28 | 8.63 | 8.43 | 8.32 | 8.09 | 8.13 | 8.36 | 8.61 | 8.22 | 8.52 | 8.27 | 7.96 | |
| 8 | 8.23 | 8.46 | 8.29 | 8.28 | 8.22 | 8.14 | 8.20 | 8.51 | 8.48 | 9.22 | 8.34 | 7.97 | |
| 9 | 8.20 | 8.63 | 8.27 | 8.18 | 8.13 | 8.12 | 8.13 | 8.49 | 8.52 | 9.15 | 8.22 | 7.98 | |
| 10 | 8.19 | 8.67 | 8.26 | 8.16 | 8.07 | 8.02 | 8.09 | 8.96 | 8.63 | 9.21 | 8.20 | 7.99 | |
| 11 | 8.38 | 8.94 | 8.00 | 8.14 | 7.99 | 8.02 | 8.02 | 8.99 | 8.78 | 9.34 | 8.19 | 8.00 | |
| 12 | 8.68 | 9.17 | 8.10 | 8.16 | 8.31 | 8.11 | 8.04 | 8.91 | 8.92 | 8.94 | 8.18 | 8.00 | |
| 13 | 8.41 | 8.79 | 8.04 | 8.15 | 8.47 | 8.02 | 8.12 | 8.94 | 10.16 | 8.84 | 8.14 | 8.00 | |
| 14 | 8.62 | 8.63 | 8.15 | 8.20 | 8.39 | 8.00 | 8.29 | 8.85 | 9.08 | 8.82 | 8.12 | 7.94 | |
| 15 | 8.39 | 8.62 | 8.10 | 8.37 | 8.77 | 8.00 | 8.28 | 9.16 | 8.76 | 8.69 | 8.10 | 7.95 | |
| 16 | 8.30 | 8.52 | 8.12 | 8.31 | 8.76 | 8.00 | 8.34 | 9.35 | 9.00 | 8.58 | 8.09 | 7.92 | |
| 17 | 8.49 | 8.58 | 8.44 | 8.19 | 8.71 | 8.00 | 8.21 | 9.39 | 10.78 | 8.94 | 8.08 | 7.91 | |
| 18 | 8.49 | 8.83 | 8.24 | 8.14 | 8.65 | 8.00 | 8.12 | 9.41 | 10.04 | 8.70 | 8.07 | 7.90 | |
| 19 | 8.59 | 8.87 | 8.15 | 8.10 | 8.19 | 7.92 | 8.20 | 9.28 | 9.48 | 8.69 | 8.13 | 8.10 | |
| 20 | 8.58 | 8.74 | 8.13 | 8.07 | 8.19 | 7.88 | 9.55 | 8.99 | 9.40 | 9.14 | 8.11 | 8.48 | |
| 21 | 8.42 | 8.84 | 8.22 | 8.01 | 8.13 | 7.89 | 10.00 | 8.89 | 9.35 | 9.28 | 8.08 | 9.32 | |
| 22 | 8.37 | 8.74 | 8.25 | 8.02 | 7.96 | 7.89 | 9.54 | 8.73 | 9.24 | 8.93 | 8.07 | 9.19 | |
| 23 | 8.38 | 8.89 | 8.24 | 8.04 | 7.92 | 7.90 | 8.91 | 8.62 | 8.93 | 8.79 | 8.09 | 8.83 | |
| 24 | 8.52 | 8.67 | 8.28 | 8.05 | 7.90 | 7.90 | 10.11 | 8.54 | 8.77 | 8.69 | 8.10 | 8.54 | |
| 25 | 8.38 | 8.70 | 8.27 | 8.02 | 7.90 | 7.90 | 9.98 | 8.55 | 8.67 | 8.60 | 8.03 | 8.84 | |
| 26 | 8.84 | 8.63 | 8.32 | 8.01 | 7.90 | 7.89 | 9.19 | 8.52 | 8.63 | 8.72 | 8.04 | 8.65 | |
| 27 | 8.58 | 8.67 | 8.36 | 7.98 | 7.84 | 8.00 | 8.88 | 8.46 | 8.58 | 8.65 | 8.02 | 9.36 | |
| 28 | 8.42 | 8.49 | 8.21 | 8.00 | 7.81 | 8.23 | 8.87 | 8.28 | 8.56 | 8.60 | 7.97 | 9.15 | |
| 29 | 8.14 | 8.45 | 8.18 | 8.02 | 7.80 | 8.10 | 8.60 | 8.23 | 8.82 | 8.52 | | 8.79 | |
| 30 | 8.28 | 8.78 | 8.17 | 8.00 | 8.00 | 8.37 | 8.58 | 8.20 | 8.97 | 8.46 | | 8.58 | |
| 31 | | 8.54 | | 8.04 | 8.25 | | 8.43 | | 8.74 | 8.45 | | 8.44 | |
| Mean | 8.42 | 8.66 | 8.26 | 8.13 | 8.14 | 8.03 | 8.62 | 8.77 | 8.85 | 8.74 | 8.17 | 8.31 | |
| Max | 8.84 | 9.17 | 8.56 | 8.37 | 8.77 | 8.37 | 10.11 | 9.52 | 10.78 | 9.34 | 8.41 | 9.36 | 10.78 |
| Min | 8.14 | 8.32 | 8.00 | 7.98 | 7.80 | 7.88 | 8.02 | 8.20 | 8.08 | 8.33 | 7.97 | 7.90 | 7.80 |

Annual Max Momentary Gage Height 10.88 m. (MSL.) , at 18.00 Hours , on Dec 17, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 7.57 m. (MSL.)

Left Bank Elevation 12.50 m. (MSL.) ,

Right Bank Elevation 12.44 m. (MSL.) , Drainage Are 120 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.60 | 3.44 | 5.20 | 2.33 | 1.61 | 1.89 | 2.88 | 4.15 | 2.74 | 5.43 | 4.08 | 1.40 | | |
| 2 | 3.93 | 3.51 | 4.90 | 2.11 | 2.27 | 1.50 | 2.67 | 3.51 | 2.00 | 4.75 | 4.00 | 1.40 | | |
| 3 | 4.15 | 4.60 | 4.08 | 2.60 | 1.67 | 1.35 | 4.60 | 2.95 | 2.22 | 4.30 | 3.93 | 1.40 | | |
| 4 | 3.51 | 4.90 | 3.86 | 2.95 | 1.56 | 2.74 | 5.20 | 16.30 | 2.67 | 3.79 | 3.65 | 1.35 | | |
| 5 | 5.80 | 5.05 | 3.30 | 2.38 | 1.25 | 2.16 | 4.23 | 9.00 | 1.94 | 3.65 | 3.65 | 1.30 | | |
| 6 | 3.93 | 6.55 | 4.38 | 2.74 | 1.40 | 2.55 | 3.86 | 6.03 | 2.00 | 3.51 | 3.16 | 1.30 | | |
| 7 | 3.16 | 5.73 | 4.23 | 3.44 | 2.00 | 2.22 | 3.72 | 5.58 | 2.74 | 4.90 | 3.09 | 1.30 | | |
| 8 | 2.81 | 4.45 | 3.23 | 3.16 | 2.74 | 2.27 | 2.60 | 4.83 | 4.60 | 11.80 | 3.58 | 1.35 | | |
| 9 | 2.60 | 5.73 | 3.09 | 2.49 | 2.22 | 2.16 | 2.22 | 4.68 | 4.90 | 10.88 | 2.74 | 1.40 | | |
| 10 | 2.55 | 6.03 | 3.02 | 2.38 | 1.89 | 1.61 | 2.00 | 8.60 | 5.73 | 11.65 | 2.60 | 1.45 | | |
| 11 | 3.86 | 8.40 | 1.50 | 2.27 | 1.45 | 1.61 | 1.61 | 8.90 | 6.85 | 13.60 | 2.55 | 1.50 | | |
| 12 | 6.10 | 11.13 | 2.05 | 2.38 | 3.37 | 2.11 | 1.72 | 8.10 | 8.20 | 8.40 | 2.49 | 1.50 | | |
| 13 | 4.08 | 6.93 | 1.72 | 2.33 | 4.53 | 1.61 | 2.16 | 8.40 | 30.40 | 7.40 | 2.27 | 1.50 | | |
| 14 | 5.65 | 5.73 | 2.33 | 2.60 | 3.93 | 1.50 | 3.23 | 7.50 | 10.00 | 7.20 | 2.16 | 1.20 | | |
| 15 | 3.93 | 5.65 | 2.05 | 3.79 | 6.78 | 1.50 | 3.16 | 11.00 | 6.70 | 6.18 | 2.05 | 1.25 | | |
| 16 | 3.30 | 4.90 | 2.16 | 3.37 | 6.70 | 1.50 | 3.58 | 13.75 | 9.00 | 5.35 | 2.00 | 1.10 | | |
| 17 | 4.68 | 5.35 | 4.30 | 2.55 | 6.33 | 1.50 | 2.67 | 14.35 | 55.90 | 8.40 | 1.94 | 1.05 | | |
| 18 | 4.68 | 7.30 | 2.88 | 2.27 | 5.88 | 1.50 | 2.16 | 14.65 | 27.10 | 6.25 | 1.89 | 1.00 | | |
| 19 | 5.43 | 7.70 | 2.33 | 2.05 | 2.55 | 1.10 | 2.60 | 12.70 | 15.70 | 6.18 | 2.22 | 2.05 | | |
| 20 | 5.35 | 6.55 | 2.22 | 1.89 | 2.55 | 0.90 | 16.75 | 8.90 | 14.50 | 10.75 | 2.11 | 4.60 | | |
| 21 | 4.15 | 7.40 | 2.74 | 1.56 | 2.22 | 0.95 | 26.00 | 7.90 | 13.75 | 12.70 | 1.94 | 13.30 | | |
| 22 | 3.79 | 6.55 | 2.95 | 1.61 | 1.30 | 0.95 | 16.60 | 6.48 | 12.10 | 8.30 | 1.89 | 11.38 | | |
| 23 | 3.86 | 7.90 | 2.88 | 1.72 | 1.10 | 1.00 | 8.10 | 5.65 | 8.30 | 6.93 | 2.00 | 7.30 | | |
| 24 | 4.90 | 6.03 | 3.16 | 1.78 | 1.00 | 1.00 | 29.03 | 5.05 | 6.78 | 6.18 | 2.05 | 5.05 | | |
| 25 | 3.86 | 6.25 | 3.09 | 1.61 | 1.00 | 1.00 | 25.50 | 5.13 | 6.03 | 5.50 | 1.67 | 7.40 | | |
| 26 | 7.40 | 5.73 | 3.44 | 1.56 | 1.00 | 0.95 | 11.38 | 4.90 | 5.73 | 6.40 | 1.72 | 5.88 | | |
| 27 | 5.35 | 6.03 | 3.72 | 1.40 | 0.70 | 1.50 | 7.80 | 4.45 | 5.35 | 5.88 | 1.61 | 13.90 | | |
| 28 | 4.15 | 4.68 | 2.67 | 1.50 | 0.55 | 2.81 | 7.70 | 3.16 | 5.20 | 5.50 | 1.35 | 10.88 | | |
| 29 | 2.27 | 4.38 | 2.49 | 1.61 | 0.50 | 2.05 | 5.50 | 2.81 | 7.20 | 4.90 | | 6.93 | | |
| 30 | 3.16 | 6.85 | 2.44 | 1.50 | 1.50 | 3.79 | 5.35 | 2.60 | 8.70 | 4.45 | | 5.35 | | |
| 31 | | 5.05 | | 1.72 | 2.95 | | 4.23 | | 6.55 | 4.38 | | 4.30 | | |
| Total | 124.99 | 186.48 | 92.41 | 69.65 | 76.50 | 51.28 | 220.81 | 222.01 | 301.58 | 215.49 | 70.39 | 122.07 | 1753.66 | CMSDAY |
| Mean | 4.17 | 6.02 | 3.08 | 2.25 | 2.47 | 1.71 | 7.12 | 7.40 | 9.73 | 6.95 | 2.51 | 3.94 | 4.80 | CMS |
| Max | 7.40 | 11.13 | 5.20 | 3.79 | 6.78 | 3.79 | 29.03 | 16.30 | 55.90 | 13.60 | 4.08 | 13.90 | 55.90 | CMS |
| Min | 2.27 | 3.44 | 1.50 | 1.40 | 0.50 | 0.90 | 1.61 | 2.60 | 1.94 | 3.51 | 1.35 | 1.00 | 0.50 | CMS |
| Runoff | 10.80 | 16.11 | 7.98 | 6.02 | 6.61 | 4.43 | 19.08 | 19.18 | 26.06 | 18.62 | 6.08 | 10.55 | 151.52 | MCM |

Momentary Peak 63.20 CMS. at 10.88 m. (MSL.) at 18.00 Hours , on Dec 17, 2006

Runoff Yield 40.02 Liters/Second/Square KM. Momentary Peak Yield 526.45 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Lower Khlong Lang Suan at Thanon Luk Suea , Chumphon (X.212)

Lat 09 - 57 - 17 N Long 99 - 04 - 48 E

**Location : on left bank at the bridge.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** - | | **Amphoe** Lang Suan | **Changwat** | Chumphon |
| **Drainge Area** | 1,406 sq.km. | | | | |
| **Type of Gage** | Staff gage. | | | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On left bank at the abutment of the bridge. | | | **Elevation** | +8.935 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | | | |
| **Period of Available Gage Records** | 2004 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2004 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2004 to date | | | | |
| **Stability of Channel Regimes** | Stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 35 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

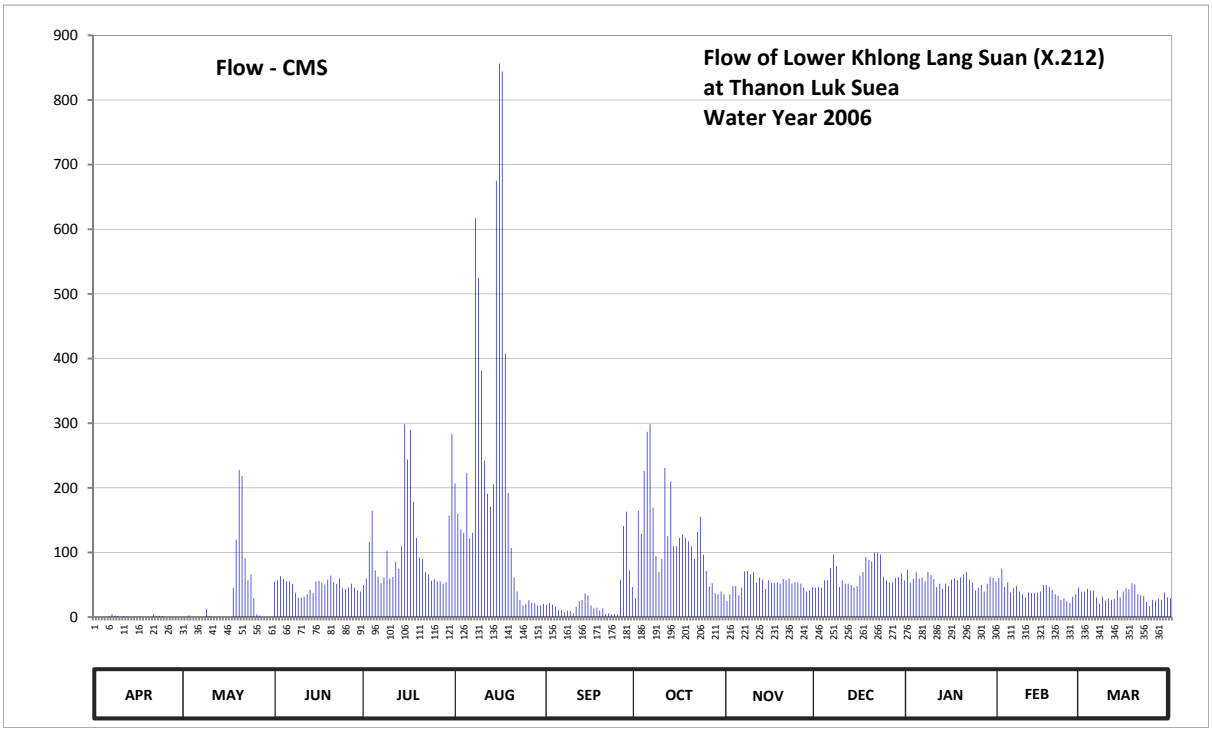
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.33 | -0.45 | 0.88 | 0.82 | 2.08 | 0.33 | 0.52 | 0.44 | 0.76 | 1.08 | 0.94 | 0.68 | |
| 2 | -0.35 | -0.47 | 0.90 | 0.93 | 1.78 | 0.39 | 1.81 | 0.62 | 0.78 | 0.86 | 1.10 | 0.68 | |
| 3 | -0.39 | -0.03 | 0.97 | 1.47 | 1.62 | 0.34 | 1.57 | 0.80 | 0.76 | 0.92 | 0.78 | 0.74 | |
| 4 | -0.21 | -0.11 | 0.92 | 1.81 | 1.58 | 0.28 | 2.20 | 0.80 | 0.90 | 1.04 | 0.86 | 0.70 | |
| 5 | -0.20 | -0.27 | 0.88 | 1.07 | 2.18 | 0.18 | 2.57 | 0.60 | 0.90 | 0.93 | 0.66 | 0.70 | |
| 6 | -0.08 | -0.25 | 0.88 | 0.96 | 1.51 | 0.16 | 2.64 | 0.76 | 1.11 | 0.95 | 0.76 | 0.54 | |
| 7 | 0.01 | -0.17 | 0.84 | 0.85 | 1.58 | 0.10 | 1.84 | 1.05 | 1.31 | 0.88 | 0.80 | 0.38 | |
| 8 | -0.04 | -0.24 | 0.65 | 0.95 | 4.34 | 0.15 | 1.29 | 1.06 | 1.14 | 1.04 | 0.68 | 0.56 | |
| 9 | -0.06 | 0.21 | 0.53 | 1.36 | 3.89 | 0.14 | 1.04 | 1.00 | 0.78 | 0.99 | 0.62 | 0.46 | |
| 10 | -0.11 | -0.05 | 0.53 | 0.93 | 3.12 | 0.06 | 1.25 | 1.04 | 0.90 | 0.92 | 0.54 | 0.50 | |
| 11 | -0.07 | -0.17 | 0.56 | 0.96 | 2.30 | 0.28 | 2.23 | 0.86 | 0.84 | 0.78 | 0.66 | 0.48 | |
| 12 | -0.08 | -0.35 | 0.62 | 1.21 | 1.98 | 0.44 | 1.54 | 0.94 | 0.84 | 0.84 | 0.64 | 0.50 | |
| 13 | -0.18 | -0.37 | 0.72 | 1.10 | 1.85 | 0.47 | 2.10 | 0.91 | 0.82 | 0.74 | 0.64 | 0.70 | |
| 14 | -0.17 | -0.37 | 0.64 | 1.42 | 2.07 | 0.64 | 1.42 | 0.74 | 0.77 | 0.84 | 0.66 | 0.54 | |
| 15 | -0.35 | -0.35 | 0.88 | 2.64 | 4.61 | 0.59 | 1.42 | 0.90 | 0.80 | 0.80 | 0.68 | 0.68 | |
| 16 | -0.28 | -0.32 | 0.89 | 2.31 | 5.41 | 0.32 | 1.52 | 0.86 | 0.98 | 0.91 | 0.82 | 0.75 | |
| 17 | -0.22 | -0.37 | 0.86 | 2.59 | 5.36 | 0.23 | 1.56 | 0.86 | 1.04 | 0.93 | 0.82 | 0.73 | |
| 18 | -0.18 | 0.76 | 0.83 | 1.90 | 3.27 | 0.25 | 1.52 | 0.86 | 1.28 | 0.90 | 0.78 | 0.85 | |
| 19 | -0.17 | 1.50 | 0.91 | 1.52 | 1.99 | 0.16 | 1.48 | 0.84 | 1.24 | 0.95 | 0.72 | 0.83 | |
| 20 | -0.12 | 2.21 | 0.98 | 1.27 | 1.40 | 0.23 | 1.42 | 0.92 | 1.22 | 1.00 | 0.62 | 0.62 | |
| 21 | 0.01 | 2.15 | 0.87 | 1.25 | 0.95 | 0.02 | 1.25 | 0.90 | 1.34 | 1.04 | 0.58 | 0.60 | |
| 22 | -0.07 | 1.26 | 0.84 | 1.04 | 0.68 | 0.04 | 1.59 | 0.93 | 1.34 | 0.91 | 0.48 | 0.58 | |
| 23 | -0.05 | 0.90 | 0.93 | 1.00 | 0.47 | 0.00 | 1.75 | 0.84 | 1.31 | 0.86 | 0.52 | 0.42 | |
| 24 | -0.06 | 1.00 | 0.75 | 0.89 | 0.32 | 0.02 | 1.31 | 0.86 | 0.96 | 0.70 | 0.44 | 0.30 | |
| 25 | -0.17 | 0.52 | 0.73 | 0.92 | 0.36 | 0.00 | 1.06 | 0.86 | 0.90 | 0.76 | 0.40 | 0.48 | |
| 26 | -0.15 | 0.01 | 0.77 | 0.88 | 0.47 | 0.91 | 0.79 | 0.84 | 0.86 | 0.82 | 0.56 | 0.46 | |
| 27 | -0.33 | -0.04 | 0.84 | 0.88 | 0.40 | 1.65 | 0.85 | 0.77 | 0.86 | 0.68 | 0.62 | 0.50 | |
| 28 | -0.38 | -0.31 | 0.76 | 0.84 | 0.38 | 1.80 | 0.64 | 0.68 | 0.94 | 0.84 | 0.77 | 0.48 | |
| 29 | -0.49 | -0.18 | 0.70 | 0.87 | 0.32 | 1.07 | 0.62 | 0.70 | 0.96 | 0.96 | | 0.66 | |
| 30 | -0.41 | -0.26 | 0.68 | 1.76 | 0.32 | 0.78 | 0.68 | 0.78 | 1.02 | 0.94 | | 0.54 | |
| 31 | | -0.18 | | 2.55 | 0.37 | | 0.62 | | 0.90 | 0.88 | | 0.52 | |
| Mean | -0.19 | 0.17 | 0.79 | 1.32 | 1.90 | 0.40 | 1.42 | 0.83 | 0.99 | 0.89 | 0.68 | 0.59 | |
| Max | 0.01 | 2.21 | 0.98 | 2.64 | 5.41 | 1.80 | 2.64 | 1.06 | 1.34 | 1.08 | 1.10 | 0.85 | 5.41 |
| Min | -0.49 | -0.47 | 0.53 | 0.82 | 0.32 | 0.00 | 0.52 | 0.44 | 0.76 | 0.68 | 0.40 | 0.30 | -0.49 |

Annual Max Momentary Gage Height 5.58 m. (MSL.) , at 06.00 Hours , on Aug 17 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed -3.65 m. (MSL.)

Left Bank Elevation 7.80 m. (MSL.) ,

Right Bank Elevation 8.93 m. (MSL.) , Drainage Are 1,406 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 55.20 | 49.80 | 206.80 | 18.50 | 29.20 | 24.40 | 45.20 | 73.20 | 60.60 | 39.60 | | |
| 2 | 0.00 | 0.00 | 57.00 | 59.70 | 160.00 | 21.50 | 164.55 | 35.40 | 46.60 | 53.40 | 75.00 | 39.60 | | |
| 3 | 0.00 | 2.80 | 63.30 | 116.10 | 136.00 | 19.00 | 129.10 | 48.00 | 45.20 | 58.80 | 46.60 | 43.80 | | |
| 4 | 0.00 | 0.00 | 58.80 | 164.55 | 130.40 | 16.00 | 226.00 | 48.00 | 57.00 | 69.60 | 53.40 | 41.00 | | |
| 5 | 0.00 | 0.00 | 55.20 | 72.30 | 222.80 | 11.20 | 286.55 | 34.00 | 57.00 | 59.70 | 38.20 | 41.00 | | |
| 6 | 0.80 | 0.00 | 55.20 | 62.40 | 121.30 | 10.40 | 298.20 | 45.20 | 75.90 | 61.50 | 45.20 | 30.40 | | |
| 7 | 4.40 | 0.00 | 51.60 | 52.50 | 130.40 | 8.00 | 169.20 | 70.50 | 96.65 | 55.20 | 48.00 | 21.00 | | |
| 8 | 2.40 | 0.00 | 37.50 | 61.50 | 617.40 | 10.00 | 94.35 | 71.40 | 78.60 | 69.60 | 39.60 | 31.60 | | |
| 9 | 1.60 | 12.50 | 29.80 | 102.40 | 525.00 | 9.60 | 69.60 | 66.00 | 46.60 | 65.10 | 35.40 | 25.60 | | |
| 10 | 0.00 | 2.00 | 29.80 | 59.70 | 380.80 | 6.40 | 89.75 | 69.60 | 57.00 | 58.80 | 30.40 | 28.00 | | |
| 11 | 1.20 | 0.00 | 31.60 | 62.40 | 242.25 | 16.00 | 230.88 | 53.40 | 51.60 | 46.60 | 38.20 | 26.80 | | |
| 12 | 0.80 | 0.00 | 35.40 | 85.15 | 190.90 | 24.40 | 125.20 | 60.60 | 51.60 | 51.60 | 36.80 | 28.00 | | |
| 13 | 0.00 | 0.00 | 42.40 | 75.00 | 170.75 | 26.20 | 210.00 | 57.90 | 49.80 | 43.80 | 36.80 | 41.00 | | |
| 14 | 0.00 | 0.00 | 36.80 | 109.60 | 205.20 | 36.80 | 109.60 | 43.80 | 45.90 | 51.60 | 38.20 | 30.40 | | |
| 15 | 0.00 | 0.00 | 55.20 | 298.20 | 675.20 | 33.40 | 109.60 | 57.00 | 48.00 | 48.00 | 39.60 | 39.60 | | |
| 16 | 0.00 | 0.00 | 56.10 | 243.88 | 856.50 | 18.00 | 122.60 | 53.40 | 64.20 | 57.90 | 49.80 | 44.50 | | |
| 17 | 0.00 | 0.00 | 53.40 | 289.85 | 844.40 | 13.50 | 127.80 | 53.40 | 69.60 | 59.70 | 49.80 | 43.10 | | |
| 18 | 0.00 | 45.20 | 50.70 | 178.50 | 407.60 | 14.50 | 122.60 | 53.40 | 93.20 | 57.00 | 46.60 | 52.50 | | |
| 19 | 0.00 | 120.00 | 57.90 | 122.60 | 192.45 | 10.40 | 117.40 | 51.60 | 88.60 | 61.50 | 42.40 | 50.70 | | |
| 20 | 0.00 | 227.63 | 64.20 | 92.05 | 107.00 | 13.50 | 109.60 | 58.80 | 86.30 | 66.00 | 35.40 | 35.40 | | |
| 21 | 4.40 | 218.00 | 54.30 | 89.75 | 61.50 | 4.80 | 89.75 | 57.00 | 100.10 | 69.60 | 32.80 | 34.00 | | |
| 22 | 1.20 | 90.90 | 51.60 | 69.60 | 39.60 | 5.60 | 131.70 | 59.70 | 100.10 | 57.90 | 26.80 | 32.80 | | |
| 23 | 2.00 | 57.00 | 59.70 | 66.00 | 26.20 | 4.00 | 155.50 | 51.60 | 96.65 | 53.40 | 29.20 | 23.20 | | |
| 24 | 1.60 | 66.00 | 44.50 | 56.10 | 18.00 | 4.80 | 96.65 | 53.40 | 62.40 | 41.00 | 24.40 | 17.00 | | |
| 25 | 0.00 | 29.20 | 43.10 | 58.80 | 20.00 | 4.00 | 71.40 | 53.40 | 57.00 | 45.20 | 22.00 | 26.80 | | |
| 26 | 0.00 | 4.40 | 45.90 | 55.20 | 26.20 | 57.90 | 47.30 | 51.60 | 53.40 | 49.80 | 31.60 | 25.60 | | |
| 27 | 0.00 | 2.40 | 51.60 | 55.20 | 22.00 | 140.50 | 52.50 | 45.90 | 53.40 | 39.60 | 35.40 | 28.00 | | |
| 28 | 0.00 | 0.00 | 45.20 | 51.60 | 21.00 | 163.00 | 36.80 | 39.60 | 60.60 | 51.60 | 45.90 | 26.80 | | |
| 29 | 0.00 | 0.00 | 41.00 | 54.30 | 18.00 | 72.30 | 35.40 | 41.00 | 62.40 | 62.40 | | 38.20 | | |
| 30 | 0.00 | 0.00 | 39.60 | 157.00 | 18.00 | 46.60 | 39.60 | 46.60 | 67.80 | 60.60 | | 30.40 | | |
| 31 | | 0.00 | | 283.25 | 20.50 | | 35.40 | | 57.00 | 55.20 | | 29.20 | | |
| Total | 20.40 | 878.03 | 1453.60 | 3354.98 | 6814.15 | 840.80 | 3733.78 | 1555.60 | 2025.40 | 1754.90 | 1134.10 | 1045.60 | 24611.34 | CMSDAY |
| Mean | 0.68 | 28.32 | 48.45 | 108.23 | 219.81 | 28.03 | 120.44 | 51.85 | 65.34 | 56.61 | 40.50 | 33.73 | 67.43 | CMS |
| Max | 4.40 | 227.63 | 64.20 | 298.20 | 856.50 | 163.00 | 298.20 | 71.40 | 100.10 | 73.20 | 75.00 | 52.50 | 856.50 | CMS |
| Min | 0.00 | 0.00 | 29.80 | 49.80 | 18.00 | 4.00 | 29.20 | 24.40 | 45.20 | 39.60 | 22.00 | 17.00 | 0.00 | CMS |
| Runoff | 1.76 | 75.86 | 125.59 | 289.87 | 588.74 | 72.65 | 322.60 | 134.40 | 174.99 | 151.62 | 97.99 | 90.34 | 2126.42 | MCM |

Momentary Peak 899.00 CMS. at 5.58 m. (MSL.) at 06.00 Hours , on Aug 17 , 2006

Runoff Yield 47.97 Liters/Second/Square KM. Momentary Peak Yield 639.60 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Upper Khlong Lang Suan at Ban Phato , Chumphon (X.213)

Lat 09 - 46 - 55 N Long 98 - 46 - 55 E

**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Phato | **Amphoe** Phato | **Changwat** Chumphon |
| **Drainge Area** | 714 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | | **Elevation** 53.360 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Rather unstable by some silting. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 70 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

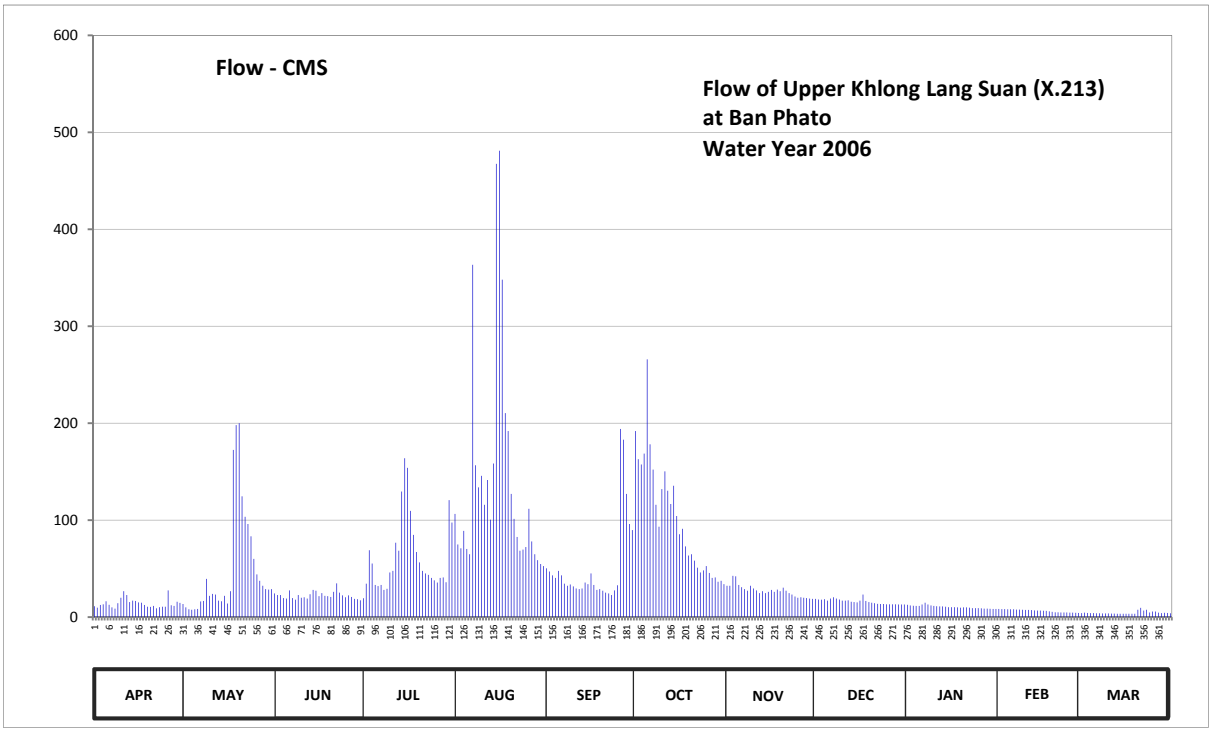
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42.29 | 42.38 | 42.71 | 42.58 | 44.14 | 43.28 | 45.11 | 42.91 | 42.56 | 42.35 | 42.17 | 41.94 | |
| 2 | 42.23 | 42.24 | 42.67 | 42.96 | 43.69 | 43.22 | 44.81 | 42.91 | 42.54 | 42.32 | 42.16 | 41.97 | |
| 3 | 42.34 | 42.15 | 42.67 | 43.60 | 43.63 | 43.14 | 44.75 | 43.13 | 42.53 | 42.31 | 42.16 | 41.95 | |
| 4 | 42.37 | 42.13 | 42.59 | 43.37 | 43.90 | 43.09 | 44.87 | 43.12 | 42.55 | 42.30 | 42.15 | 41.94 | |
| 5 | 42.48 | 42.15 | 42.57 | 42.93 | 43.62 | 43.23 | 45.79 | 42.93 | 42.50 | 42.30 | 42.15 | 41.94 | |
| 6 | 42.35 | 42.17 | 42.79 | 42.90 | 43.53 | 43.14 | 44.97 | 42.87 | 42.57 | 42.36 | 42.15 | 41.93 | |
| 7 | 42.24 | 42.47 | 42.59 | 42.93 | 46.56 | 42.96 | 44.69 | 42.82 | 42.61 | 42.43 | 42.14 | 41.93 | |
| 8 | 42.19 | 42.49 | 42.53 | 42.80 | 44.74 | 42.91 | 44.26 | 42.78 | 42.57 | 42.36 | 42.14 | 41.92 | |
| 9 | 42.41 | 43.07 | 42.67 | 42.83 | 44.48 | 42.94 | 43.96 | 42.91 | 42.54 | 42.32 | 42.13 | 41.92 | |
| 10 | 42.60 | 42.65 | 42.60 | 43.20 | 44.62 | 42.89 | 44.46 | 42.84 | 42.50 | 42.30 | 42.12 | 41.92 | |
| 11 | 42.77 | 42.70 | 42.61 | 43.23 | 44.26 | 42.84 | 44.67 | 42.79 | 42.50 | 42.29 | 42.12 | 41.91 | |
| 12 | 42.67 | 42.68 | 42.57 | 43.72 | 44.57 | 42.82 | 44.44 | 42.72 | 42.51 | 42.28 | 42.11 | 41.91 | |
| 13 | 42.45 | 42.50 | 42.69 | 43.59 | 44.06 | 42.84 | 44.27 | 42.77 | 42.46 | 42.28 | 42.10 | 41.90 | |
| 14 | 42.50 | 42.48 | 42.80 | 44.43 | 44.76 | 42.99 | 44.50 | 42.72 | 42.45 | 42.27 | 42.09 | 41.90 | |
| 15 | 42.49 | 42.65 | 42.78 | 44.82 | 47.25 | 42.95 | 44.11 | 42.75 | 42.44 | 42.25 | 42.09 | 41.90 | |
| 16 | 42.44 | 42.40 | 42.64 | 44.71 | 47.33 | 43.18 | 43.85 | 42.80 | 42.50 | 42.25 | 42.08 | 41.90 | |
| 17 | 42.43 | 42.77 | 42.72 | 44.18 | 46.45 | 42.93 | 43.93 | 42.75 | 42.68 | 42.25 | 42.07 | 41.90 | |
| 18 | 42.34 | 44.91 | 42.65 | 43.84 | 45.29 | 42.80 | 43.66 | 42.81 | 42.49 | 42.24 | 42.05 | 41.90 | |
| 19 | 42.27 | 45.17 | 42.64 | 43.57 | 45.11 | 42.82 | 43.51 | 42.77 | 42.45 | 42.23 | 42.02 | 41.90 | |
| 20 | 42.26 | 45.19 | 42.62 | 43.39 | 44.40 | 42.78 | 43.53 | 42.86 | 42.43 | 42.24 | 42.00 | 42.13 | |
| 21 | 42.30 | 44.37 | 42.75 | 43.23 | 44.07 | 42.73 | 43.42 | 42.78 | 42.41 | 42.24 | 42.00 | 42.22 | |
| 22 | 42.20 | 44.10 | 42.97 | 43.18 | 43.81 | 42.71 | 43.29 | 42.72 | 42.39 | 42.23 | 41.99 | 42.09 | |
| 23 | 42.25 | 44.00 | 42.73 | 43.15 | 43.59 | 42.67 | 43.20 | 42.68 | 42.38 | 42.21 | 41.99 | 42.13 | |
| 24 | 42.27 | 43.82 | 42.66 | 43.09 | 43.61 | 42.79 | 43.24 | 42.63 | 42.38 | 42.21 | 41.98 | 41.99 | |
| 25 | 42.27 | 43.45 | 42.61 | 43.04 | 43.65 | 42.92 | 43.32 | 42.60 | 42.37 | 42.21 | 41.97 | 42.04 | |
| 26 | 42.79 | 43.16 | 42.66 | 42.99 | 44.21 | 45.13 | 43.19 | 42.61 | 42.37 | 42.20 | 41.97 | 42.04 | |
| 27 | 42.33 | 43.03 | 42.62 | 43.09 | 43.74 | 45.02 | 43.09 | 42.60 | 42.37 | 42.19 | 41.96 | 41.97 | |
| 28 | 42.30 | 42.91 | 42.56 | 43.10 | 43.53 | 44.40 | 43.10 | 42.59 | 42.37 | 42.19 | 41.95 | 41.94 | |
| 29 | 42.46 | 42.82 | 42.55 | 43.00 | 43.43 | 44.00 | 43.01 | 42.57 | 42.36 | 42.18 | | 41.96 | |
| 30 | 42.42 | 42.81 | 42.51 | 44.32 | 43.36 | 43.91 | 43.03 | 42.56 | 42.36 | 42.17 | | 41.95 | |
| 31 | | 42.82 | | 44.02 | 43.32 | | 42.95 | | 42.36 | 42.17 | | 41.93 | |
| Mean | 42.39 | 43.05 | 42.66 | 43.41 | 44.41 | 43.20 | 43.97 | 42.78 | 42.47 | 42.26 | 42.07 | 41.96 | |
| Max | 42.79 | 45.19 | 42.97 | 44.82 | 47.33 | 45.13 | 45.79 | 43.13 | 42.68 | 42.43 | 42.17 | 42.22 | 47.33 |
| Min | 42.19 | 42.13 | 42.51 | 42.58 | 43.32 | 42.67 | 42.95 | 42.56 | 42.36 | 42.17 | 41.95 | 41.90 | 41.90 |

Annual Max Momentary Gage Height 47.70 m. (MSL.) , at 20.00 Hours , on Aug 7 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 38.85 m. (MSL.)

Left Bank Elevation 53.29 m. (MSL.) ,

Right Bank Elevation 53.33 m. (MSL.) , Drainage Are 714 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.25 | 13.50 | 24.40 | 19.40 | 106.50 | 50.40 | 192.00 | 32.40 | 18.80 | 12.75 | 8.40 | 4.10 | | |
| 2 | 9.75 | 10.00 | 22.80 | 34.40 | 74.85 | 47.10 | 162.95 | 32.40 | 18.20 | 12.00 | 8.20 | 4.55 | | |
| 3 | 12.50 | 8.00 | 22.80 | 69.00 | 70.95 | 43.00 | 157.50 | 42.50 | 17.90 | 11.75 | 8.20 | 4.25 | | |
| 4 | 13.25 | 7.60 | 19.70 | 55.35 | 89.00 | 40.50 | 168.65 | 42.00 | 18.50 | 11.50 | 8.00 | 4.10 | | |
| 5 | 16.40 | 8.00 | 19.10 | 33.20 | 70.30 | 47.65 | 265.85 | 33.20 | 17.00 | 11.50 | 8.00 | 4.10 | | |
| 6 | 12.75 | 8.40 | 27.60 | 32.00 | 64.80 | 43.00 | 178.15 | 30.80 | 19.10 | 13.00 | 8.00 | 3.95 | | |
| 7 | 10.00 | 16.10 | 19.70 | 33.20 | 363.40 | 34.40 | 152.10 | 28.80 | 20.40 | 14.90 | 7.80 | 3.95 | | |
| 8 | 8.80 | 16.70 | 17.90 | 28.00 | 156.60 | 32.40 | 115.80 | 27.20 | 19.10 | 13.00 | 7.80 | 3.80 | | |
| 9 | 14.30 | 39.50 | 22.80 | 29.20 | 133.80 | 33.60 | 93.20 | 32.40 | 18.20 | 12.00 | 7.60 | 3.80 | | |
| 10 | 20.00 | 22.00 | 20.00 | 46.00 | 145.80 | 31.60 | 132.10 | 29.60 | 17.00 | 11.50 | 7.40 | 3.80 | | |
| 11 | 26.80 | 24.00 | 20.40 | 47.65 | 115.80 | 29.60 | 150.30 | 27.60 | 17.00 | 11.25 | 7.40 | 3.65 | | |
| 12 | 22.80 | 23.20 | 19.10 | 76.80 | 141.45 | 28.80 | 130.40 | 24.80 | 17.30 | 11.00 | 7.20 | 3.65 | | |
| 13 | 15.50 | 17.00 | 23.60 | 68.40 | 100.50 | 29.60 | 116.60 | 26.80 | 15.80 | 11.00 | 7.00 | 3.50 | | |
| 14 | 17.00 | 16.40 | 28.00 | 129.55 | 158.40 | 35.60 | 135.50 | 24.80 | 15.50 | 10.75 | 6.80 | 3.50 | | |
| 15 | 16.70 | 22.00 | 27.20 | 163.90 | 467.50 | 34.00 | 104.25 | 26.00 | 15.20 | 10.25 | 6.80 | 3.50 | | |
| 16 | 15.20 | 14.00 | 21.60 | 153.90 | 481.10 | 45.00 | 85.50 | 28.00 | 17.00 | 10.25 | 6.60 | 3.50 | | |
| 17 | 14.90 | 26.80 | 24.80 | 109.50 | 348.00 | 33.20 | 91.10 | 26.00 | 23.20 | 10.25 | 6.40 | 3.50 | | |
| 18 | 12.50 | 172.45 | 22.00 | 84.80 | 210.45 | 28.00 | 72.90 | 28.40 | 16.70 | 10.00 | 6.00 | 3.50 | | |
| 19 | 10.75 | 198.00 | 21.60 | 67.20 | 192.00 | 28.80 | 63.60 | 26.80 | 15.50 | 9.75 | 5.40 | 3.50 | | |
| 20 | 10.50 | 200.00 | 20.80 | 56.45 | 127.00 | 27.20 | 64.80 | 30.40 | 14.90 | 10.00 | 5.00 | 7.60 | | |
| 21 | 11.50 | 124.60 | 26.00 | 47.65 | 101.25 | 25.20 | 58.20 | 27.20 | 14.30 | 10.00 | 5.00 | 9.50 | | |
| 22 | 9.00 | 103.50 | 34.80 | 45.00 | 82.70 | 24.40 | 50.95 | 24.80 | 13.75 | 9.75 | 4.85 | 6.80 | | |
| 23 | 10.25 | 96.00 | 25.20 | 43.50 | 68.40 | 22.80 | 46.00 | 23.20 | 13.50 | 9.25 | 4.85 | 7.60 | | |
| 24 | 10.75 | 83.40 | 22.40 | 40.50 | 69.65 | 27.60 | 48.20 | 21.20 | 13.50 | 9.25 | 4.70 | 4.85 | | |
| 25 | 10.75 | 60.00 | 20.40 | 38.00 | 72.25 | 32.80 | 52.60 | 20.00 | 13.25 | 9.25 | 4.55 | 5.80 | | |
| 26 | 27.60 | 44.00 | 22.40 | 35.60 | 111.80 | 194.00 | 45.50 | 20.40 | 13.25 | 9.00 | 4.55 | 5.80 | | |
| 27 | 12.25 | 37.50 | 20.80 | 40.50 | 78.10 | 183.00 | 40.50 | 20.00 | 13.25 | 8.80 | 4.40 | 4.55 | | |
| 28 | 11.50 | 32.40 | 18.80 | 41.00 | 64.80 | 127.00 | 41.00 | 19.70 | 13.25 | 8.80 | 4.25 | 4.10 | | |
| 29 | 15.80 | 28.80 | 18.50 | 36.00 | 58.80 | 96.00 | 36.50 | 19.10 | 13.00 | 8.60 | | 4.40 | | |
| 30 | 14.60 | 28.40 | 17.30 | 120.60 | 54.80 | 89.70 | 37.50 | 18.80 | 13.00 | 8.40 | | 4.25 | | |
| 31 | | 28.80 | | 97.50 | 52.60 | | 34.00 | | 13.00 | 8.40 | | 3.95 | | |
| Total | 425.65 | 1531.05 | 672.50 | 1923.75 | 4433.35 | 1545.95 | 3124.20 | 815.30 | 499.35 | 327.90 | 181.15 | 141.40 | 15621.55 | CMSDAY |
| Mean | 14.19 | 49.39 | 22.42 | 62.06 | 143.01 | 51.53 | 100.78 | 27.18 | 16.11 | 10.58 | 6.47 | 4.56 | 42.80 | CMS |
| Max | 27.60 | 200.00 | 34.80 | 163.90 | 481.10 | 194.00 | 265.85 | 42.50 | 23.20 | 14.90 | 8.40 | 9.50 | 481.10 | CMS |
| Min | 8.80 | 7.60 | 17.30 | 19.40 | 52.60 | 22.80 | 34.00 | 18.80 | 13.00 | 8.40 | 4.25 | 3.50 | 3.50 | CMS |
| Runoff | 36.78 | 132.28 | 58.10 | 166.21 | 383.04 | 133.57 | 269.93 | 70.44 | 43.14 | 28.33 | 15.65 | 12.22 | 1349.70 | MCM |

Momentary Peak 548.00 CMS. at 47.70 m. (MSL.) at 20.00 Hours , on Aug 7 , 2006

Runoff Yield 59.92 Liters/Second/Square KM. Momentary Peak Yield 767.26 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Ka Toon at Ban Ka Toon Tai, Nakhon Si Thammarat (X.241)

Lat 08 - 33 - 42 N Long 99 - 31 - 30 E

**Location : on left bank at Ban Ka Toon Tai.**

| | | | |
|---|---|---|---|
| | **Ban** Ka Toon Tai | **Amphoe** Phipun | **Changwat** Nakhon Si Thammarat |
| **Drainge Area** | 108 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the top staff gage. | | **Elevation** +42.582 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records poor. Stage-discharge relation defined by 15 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

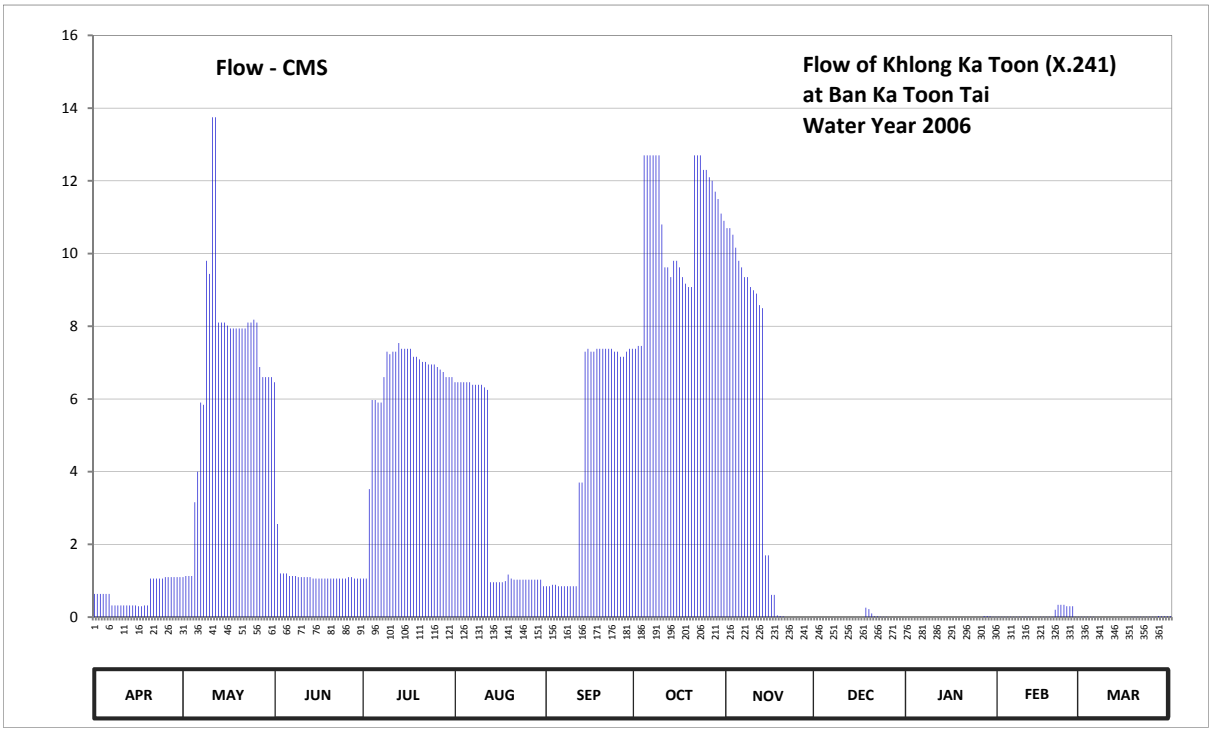
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.84 | 40.97 | 41.88 | 40.96 | 41.88 | 40.90 | 42.01 | 42.40 | 40.50 | 40.50 | 40.51 | 40.51 | |
| 2 | 40.84 | 40.98 | 41.26 | 40.96 | 41.88 | 40.90 | 42.02 | 42.40 | 40.50 | 40.50 | 40.51 | 40.51 | |
| 3 | 40.84 | 40.98 | 41.00 | 41.42 | 41.88 | 40.91 | 42.02 | 42.38 | 40.50 | 40.50 | 40.51 | 40.51 | |
| 4 | 40.84 | 40.98 | 41.00 | 41.81 | 41.88 | 40.91 | 42.60 | 42.34 | 40.50 | 40.50 | 40.51 | 40.51 | |
| 5 | 40.84 | 41.36 | 41.00 | 41.81 | 41.88 | 40.90 | 42.60 | 42.30 | 40.50 | 40.50 | 40.51 | 40.51 | |
| 6 | 40.84 | 41.50 | 40.98 | 41.80 | 41.88 | 40.90 | 42.60 | 42.28 | 40.50 | 40.50 | 40.51 | 40.50 | |
| 7 | 40.71 | 41.80 | 40.98 | 41.80 | 41.87 | 40.90 | 42.60 | 42.25 | 40.50 | 40.50 | 40.51 | 40.50 | |
| 8 | 40.71 | 41.79 | 40.98 | 41.90 | 41.87 | 40.90 | 42.60 | 42.25 | 40.50 | 40.50 | 40.51 | 40.50 | |
| 9 | 40.71 | 42.30 | 40.97 | 42.00 | 41.87 | 40.90 | 42.60 | 42.22 | 40.50 | 40.50 | 40.51 | 40.50 | |
| 10 | 40.71 | 42.26 | 40.97 | 41.99 | 41.87 | 40.90 | 42.41 | 42.21 | 40.50 | 40.50 | 40.51 | 40.50 | |
| 11 | 40.71 | 42.70 | 40.97 | 42.00 | 41.86 | 40.90 | 42.28 | 42.20 | 40.50 | 40.50 | 40.51 | 40.50 | |
| 12 | 40.71 | 42.70 | 40.97 | 42.00 | 41.85 | 41.45 | 42.28 | 42.16 | 40.50 | 40.50 | 40.51 | 40.50 | |
| 13 | 40.71 | 42.10 | 40.97 | 42.03 | 40.93 | 41.45 | 42.25 | 42.15 | 40.49 | 40.50 | 40.50 | 40.50 | |
| 14 | 40.71 | 42.10 | 40.96 | 42.01 | 40.93 | 42.00 | 42.30 | 41.10 | 40.49 | 40.50 | 40.50 | 40.50 | |
| 15 | 40.71 | 42.10 | 40.96 | 42.01 | 40.93 | 42.01 | 42.30 | 41.10 | 40.49 | 40.50 | 40.51 | 40.50 | |
| 16 | 40.70 | 42.09 | 40.96 | 42.01 | 40.93 | 42.00 | 42.28 | 40.83 | 40.49 | 40.50 | 40.51 | 40.50 | |
| 17 | 40.70 | 42.08 | 40.96 | 42.01 | 40.93 | 42.00 | 42.25 | 40.83 | 40.49 | 40.50 | 40.51 | 40.50 | |
| 18 | 40.71 | 42.08 | 40.96 | 41.98 | 40.94 | 42.01 | 42.23 | 40.55 | 40.68 | 40.50 | 40.51 | 40.51 | |
| 19 | 40.71 | 42.08 | 40.96 | 41.98 | 40.99 | 42.01 | 42.22 | 40.53 | 40.66 | 40.50 | 40.51 | 40.51 | |
| 20 | 40.96 | 42.08 | 40.96 | 41.97 | 40.96 | 42.01 | 42.22 | 40.52 | 40.60 | 40.50 | 40.65 | 40.51 | |
| 21 | 40.96 | 42.08 | 40.96 | 41.96 | 40.95 | 42.01 | 42.60 | 40.50 | 40.52 | 40.50 | 40.72 | 40.51 | |
| 22 | 40.96 | 42.08 | 40.96 | 41.96 | 40.95 | 42.01 | 42.60 | 40.50 | 40.52 | 40.50 | 40.72 | 40.51 | |
| 23 | 40.96 | 42.10 | 40.96 | 41.95 | 40.95 | 42.01 | 42.60 | 40.50 | 40.51 | 40.50 | 40.72 | 40.51 | |
| 24 | 40.96 | 42.10 | 40.96 | 41.95 | 40.95 | 42.00 | 42.56 | 40.50 | 40.51 | 40.50 | 40.70 | 40.51 | |
| 25 | 40.97 | 42.11 | 40.96 | 41.95 | 40.95 | 42.00 | 42.56 | 40.50 | 40.51 | 40.50 | 40.70 | 40.51 | |
| 26 | 40.97 | 42.10 | 40.97 | 41.94 | 40.95 | 41.98 | 42.54 | 40.50 | 40.50 | 40.50 | 40.70 | 40.51 | |
| 27 | 40.97 | 41.94 | 40.97 | 41.93 | 40.95 | 41.98 | 42.53 | 40.50 | 40.50 | 40.53 | 40.51 | 40.53 | |
| 28 | 40.97 | 41.90 | 40.96 | 41.92 | 40.95 | 42.00 | 42.50 | 40.50 | 40.50 | 40.53 | 40.51 | 40.52 | |
| 29 | 40.97 | 41.90 | 40.96 | 41.90 | 40.95 | 42.01 | 42.48 | 40.50 | 40.50 | 40.52 | | 40.52 | |
| 30 | 40.97 | 41.90 | 40.96 | 41.90 | 40.95 | 42.01 | 42.44 | 40.50 | 40.50 | 40.51 | | 40.52 | |
| 31 | | 41.90 | | 41.90 | 40.90 | | 42.42 | | 40.50 | 40.51 | | 40.52 | |
| Mean | 40.83 | 41.91 | 41.01 | 41.86 | 41.30 | 41.56 | 42.40 | 41.33 | 40.51 | 40.50 | 40.56 | 40.51 | |
| Max | 40.97 | 42.70 | 41.88 | 42.03 | 41.88 | 42.01 | 42.60 | 42.40 | 40.68 | 40.53 | 40.72 | 40.53 | 42.70 |
| Min | 40.70 | 40.97 | 40.96 | 40.96 | 40.90 | 40.90 | 42.01 | 40.50 | 40.49 | 40.50 | 40.50 | 40.50 | 40.49 |

Annual Max Momentary Gage Height 42.70 m. (MSL.) , at 06.00 Hours , on May 11 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 40.36 m. (MSL.)

Left Bank Elevation 47.96 m. (MSL.) ,

Right Bank Elevation 48.01 m. (MSL.) , Drainage Are 108 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.64 | 1.10 | 6.46 | 1.06 | 6.46 | 0.85 | 7.38 | 10.70 | 0.00 | 0.00 | 0.01 | 0.01 | | |
| 2 | 0.64 | 1.13 | 2.56 | 1.06 | 6.46 | 0.85 | 7.46 | 10.70 | 0.00 | 0.00 | 0.01 | 0.01 | | |
| 3 | 0.64 | 1.13 | 1.20 | 3.52 | 6.46 | 0.89 | 7.46 | 10.52 | 0.00 | 0.00 | 0.01 | 0.01 | | |
| 4 | 0.64 | 1.13 | 1.20 | 5.97 | 6.46 | 0.89 | 12.70 | 10.16 | 0.00 | 0.00 | 0.01 | 0.01 | | |
| 5 | 0.64 | 3.16 | 1.20 | 5.97 | 6.46 | 0.85 | 12.70 | 9.80 | 0.00 | 0.00 | 0.01 | 0.01 | | |
| 6 | 0.64 | 4.00 | 1.13 | 5.90 | 6.46 | 0.85 | 12.70 | 9.62 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 7 | 0.32 | 5.90 | 1.13 | 5.90 | 6.39 | 0.85 | 12.70 | 9.35 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 8 | 0.32 | 5.84 | 1.13 | 6.60 | 6.39 | 0.85 | 12.70 | 9.35 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 9 | 0.32 | 9.80 | 1.10 | 7.30 | 6.39 | 0.85 | 12.70 | 9.08 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 10 | 0.32 | 9.44 | 1.10 | 7.23 | 6.39 | 0.85 | 10.80 | 8.99 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 11 | 0.32 | 13.75 | 1.10 | 7.30 | 6.32 | 0.85 | 9.62 | 8.90 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 12 | 0.32 | 13.75 | 1.10 | 7.30 | 6.25 | 3.70 | 9.62 | 8.58 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 13 | 0.32 | 8.10 | 1.10 | 7.54 | 0.96 | 3.70 | 9.35 | 8.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.32 | 8.10 | 1.06 | 7.38 | 0.96 | 7.30 | 9.80 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.32 | 8.10 | 1.06 | 7.38 | 0.96 | 7.38 | 9.80 | 1.70 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 16 | 0.30 | 8.02 | 1.06 | 7.38 | 0.96 | 7.30 | 9.62 | 0.61 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 17 | 0.30 | 7.94 | 1.06 | 7.38 | 0.96 | 7.30 | 9.35 | 0.61 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| 18 | 0.32 | 7.94 | 1.06 | 7.16 | 0.99 | 7.38 | 9.17 | 0.05 | 0.26 | 0.00 | 0.01 | 0.01 | | |
| 19 | 0.32 | 7.94 | 1.06 | 7.16 | 1.17 | 7.38 | 9.08 | 0.03 | 0.22 | 0.00 | 0.01 | 0.01 | | |
| 20 | 1.06 | 7.94 | 1.06 | 7.09 | 1.06 | 7.38 | 9.08 | 0.02 | 0.10 | 0.00 | 0.20 | 0.01 | | |
| 21 | 1.06 | 7.94 | 1.06 | 7.02 | 1.03 | 7.38 | 12.70 | 0.00 | 0.02 | 0.00 | 0.34 | 0.01 | | |
| 22 | 1.06 | 7.94 | 1.06 | 7.02 | 1.03 | 7.38 | 12.70 | 0.00 | 0.02 | 0.00 | 0.34 | 0.01 | | |
| 23 | 1.06 | 8.10 | 1.06 | 6.95 | 1.03 | 7.38 | 12.70 | 0.00 | 0.01 | 0.00 | 0.34 | 0.01 | | |
| 24 | 1.06 | 8.10 | 1.06 | 6.95 | 1.03 | 7.30 | 12.30 | 0.00 | 0.01 | 0.00 | 0.30 | 0.01 | | |
| 25 | 1.10 | 8.18 | 1.06 | 6.95 | 1.03 | 7.30 | 12.30 | 0.00 | 0.01 | 0.00 | 0.30 | 0.01 | | |
| 26 | 1.10 | 8.10 | 1.10 | 6.88 | 1.03 | 7.16 | 12.10 | 0.00 | 0.00 | 0.00 | 0.30 | 0.01 | | |
| 27 | 1.10 | 6.88 | 1.10 | 6.81 | 1.03 | 7.16 | 12.00 | 0.00 | 0.00 | 0.03 | 0.01 | 0.03 | | |
| 28 | 1.10 | 6.60 | 1.06 | 6.74 | 1.03 | 7.30 | 11.70 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | | |
| 29 | 1.10 | 6.60 | 1.06 | 6.60 | 1.03 | 7.38 | 11.50 | 0.00 | 0.00 | 0.02 | | 0.02 | | |
| 30 | 1.10 | 6.60 | 1.06 | 6.60 | 1.03 | 7.38 | 11.10 | 0.00 | 0.00 | 0.01 | | 0.02 | | |
| 31 | | 6.60 | | 6.60 | 0.85 | | 10.90 | | 0.00 | 0.01 | | 0.02 | | |
| Total | 19.86 | 215.85 | 39.61 | 198.70 | 96.06 | 141.37 | 335.79 | 128.97 | 0.65 | 0.10 | 2.31 | 0.25 | 1179.52 | CMSDAY |
| Mean | 0.66 | 6.96 | 1.32 | 6.41 | 3.10 | 4.71 | 10.83 | 4.30 | 0.02 | 0.00 | 0.08 | 0.01 | 3.23 | CMS |
| Max | 1.10 | 13.75 | 6.46 | 7.54 | 6.46 | 7.38 | 12.70 | 10.70 | 0.26 | 0.03 | 0.34 | 0.03 | 13.75 | CMS |
| Min | 0.30 | 1.10 | 1.06 | 1.06 | 0.85 | 0.85 | 7.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 1.72 | 18.65 | 3.42 | 17.17 | 8.30 | 12.21 | 29.01 | 11.14 | 0.06 | 0.01 | 0.20 | 0.02 | 101.91 | MCM |

Momentary Peak 13.75 CMS. at 42.70 m. (MSL.) at 06.00 Hours , on May 11 , 2006

Runoff Yield 29.70 Liters/Second/Square KM. Momentary Peak Yield 126.36 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Ranae at Ban Tai Sampao, Nakhon Si Thammarat (X.242)

Lat 08 - 33 - 21 N Long 99 - 35 - 36 E

**Location : on right bank at Ban Tai Sampao.**

| | | | |
|---|---|---|---|
| | **Ban** Tai Sampao | **Amphoe** Phipun | **Changwat** Nakhon Si Thammarat |
| **Drainge Area** | 65 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank near the gage site. | **Elevation** +51.586 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 17 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

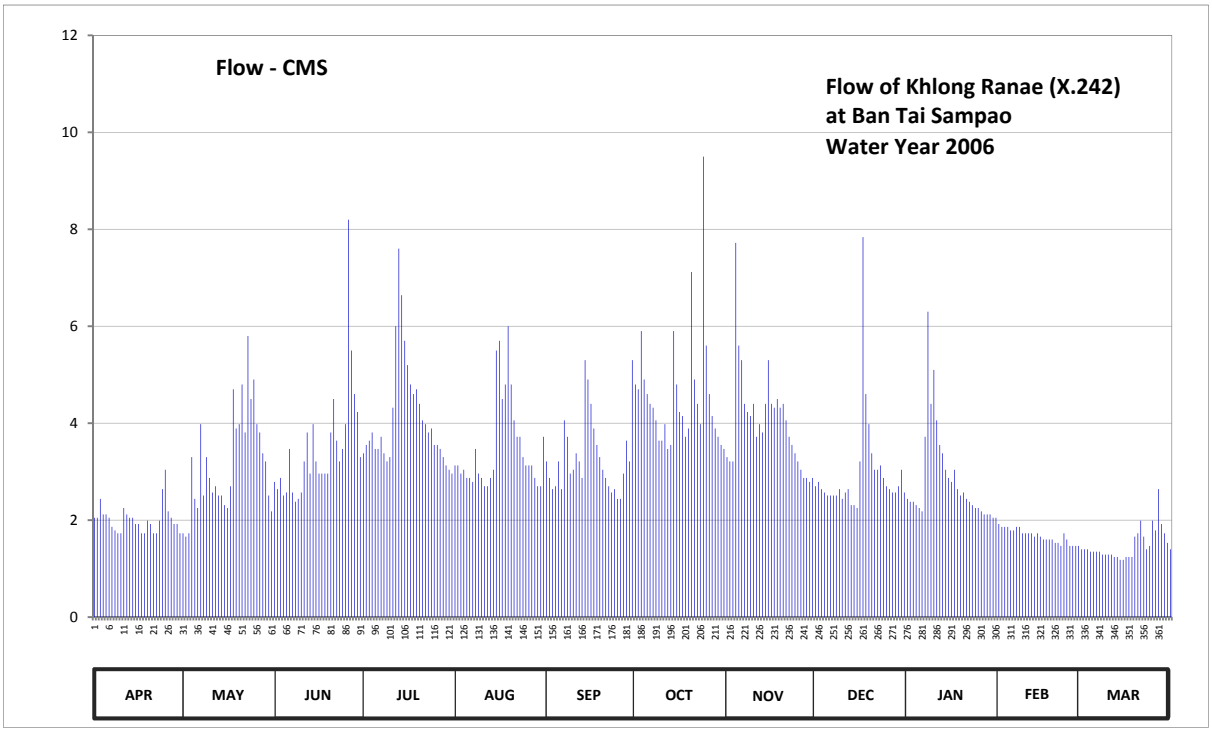
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 48.70 | 48.65 | 48.81 | 48.88 | 48.85 | 48.86 | 49.04 | 48.87 | 48.80 | 48.76 | 48.68 | 48.60 | |
| 2 | 48.70 | 48.64 | 48.79 | 48.90 | 48.85 | 48.82 | 49.03 | 48.86 | 48.81 | 48.75 | 48.67 | 48.60 | |
| 3 | 48.76 | 48.65 | 48.82 | 48.91 | 48.83 | 48.79 | 49.15 | 48.86 | 48.79 | 48.75 | 48.67 | 48.60 | |
| 4 | 48.71 | 48.87 | 48.77 | 48.93 | 48.84 | 48.80 | 49.05 | 49.31 | 48.78 | 48.74 | 48.67 | 48.59 | |
| 5 | 48.71 | 48.76 | 48.78 | 48.89 | 48.82 | 48.86 | 49.02 | 49.12 | 48.77 | 48.73 | 48.66 | 48.59 | |
| 6 | 48.70 | 48.73 | 48.89 | 48.89 | 48.82 | 48.79 | 49.00 | 49.09 | 48.77 | 48.72 | 48.66 | 48.59 | |
| 7 | 48.67 | 48.95 | 48.78 | 48.92 | 48.81 | 48.96 | 48.99 | 49.00 | 48.77 | 48.92 | 48.67 | 48.59 | |
| 8 | 48.66 | 48.77 | 48.75 | 48.88 | 48.89 | 48.92 | 48.96 | 48.98 | 48.77 | 49.19 | 48.67 | 48.58 | |
| 9 | 48.65 | 48.87 | 48.76 | 48.86 | 48.83 | 48.83 | 48.91 | 48.97 | 48.79 | 49.00 | 48.65 | 48.58 | |
| 10 | 48.65 | 48.82 | 48.78 | 48.87 | 48.82 | 48.84 | 48.91 | 49.00 | 48.76 | 49.07 | 48.65 | 48.58 | |
| 11 | 48.73 | 48.78 | 48.86 | 48.99 | 48.80 | 48.88 | 48.95 | 48.92 | 48.78 | 48.96 | 48.65 | 48.58 | |
| 12 | 48.71 | 48.80 | 48.93 | 49.16 | 48.80 | 48.86 | 48.89 | 48.95 | 48.79 | 48.90 | 48.65 | 48.57 | |
| 13 | 48.70 | 48.77 | 48.83 | 49.30 | 48.82 | 48.82 | 48.90 | 48.93 | 48.74 | 48.88 | 48.64 | 48.57 | |
| 14 | 48.70 | 48.77 | 48.95 | 49.22 | 48.84 | 49.09 | 49.15 | 49.00 | 48.74 | 48.84 | 48.65 | 48.56 | |
| 15 | 48.68 | 48.74 | 48.86 | 49.13 | 49.11 | 49.05 | 49.04 | 49.09 | 48.73 | 48.82 | 48.64 | 48.56 | |
| 16 | 48.68 | 48.73 | 48.83 | 49.08 | 49.13 | 49.00 | 48.98 | 49.00 | 48.86 | 48.81 | 48.63 | 48.57 | |
| 17 | 48.65 | 48.80 | 48.83 | 49.04 | 49.01 | 48.94 | 48.97 | 48.99 | 49.32 | 48.84 | 48.63 | 48.57 | |
| 18 | 48.65 | 49.03 | 48.83 | 49.02 | 49.04 | 48.90 | 48.92 | 49.01 | 49.02 | 48.79 | 48.63 | 48.57 | |
| 19 | 48.69 | 48.94 | 48.83 | 49.03 | 49.16 | 48.87 | 48.94 | 48.99 | 48.95 | 48.77 | 48.63 | 48.64 | |
| 20 | 48.68 | 48.95 | 48.93 | 49.00 | 49.04 | 48.84 | 49.26 | 49.00 | 48.88 | 48.78 | 48.62 | 48.65 | |
| 21 | 48.65 | 49.04 | 49.01 | 48.96 | 48.96 | 48.82 | 49.05 | 48.96 | 48.84 | 48.76 | 48.62 | 48.69 | |
| 22 | 48.65 | 48.93 | 48.91 | 48.95 | 48.92 | 48.80 | 49.00 | 48.92 | 48.84 | 48.75 | 48.61 | 48.64 | |
| 23 | 48.69 | 49.14 | 48.86 | 48.93 | 48.92 | 48.78 | 48.95 | 48.90 | 48.85 | 48.74 | 48.65 | 48.60 | |
| 24 | 48.79 | 49.01 | 48.89 | 48.94 | 48.87 | 48.79 | 49.45 | 48.88 | 48.82 | 48.73 | 48.63 | 48.61 | |
| 25 | 48.84 | 49.05 | 48.95 | 48.90 | 48.85 | 48.76 | 49.12 | 48.86 | 48.80 | 48.73 | 48.61 | 48.69 | |
| 26 | 48.72 | 48.95 | 49.35 | 48.90 | 48.85 | 48.76 | 49.02 | 48.84 | 48.79 | 48.72 | 48.61 | 48.66 | |
| 27 | 48.70 | 48.93 | 49.11 | 48.89 | 48.85 | 48.83 | 48.97 | 48.82 | 48.78 | 48.71 | 48.61 | 48.79 | |
| 28 | 48.68 | 48.88 | 49.02 | 48.87 | 48.82 | 48.91 | 48.94 | 48.82 | 48.78 | 48.71 | 48.61 | 48.68 | |
| 29 | 48.68 | 48.86 | 48.98 | 48.85 | 48.80 | 48.86 | 48.92 | 48.81 | 48.80 | 48.71 | | 48.65 | |
| 30 | 48.65 | 48.77 | 48.87 | 48.84 | 48.80 | 49.09 | 48.90 | 48.82 | 48.84 | 48.70 | | 48.62 | |
| 31 | | 48.72 | | 48.83 | 48.92 | | 48.89 | | 48.78 | 48.70 | | 48.60 | |
| Mean | 48.69 | 48.85 | 48.89 | 48.96 | 48.89 | 48.87 | 49.01 | 48.95 | 48.82 | 48.81 | 48.64 | 48.61 | |
| Max | 48.84 | 49.14 | 49.35 | 49.30 | 49.16 | 49.09 | 49.45 | 49.31 | 49.32 | 49.19 | 48.68 | 48.79 | 49.45 |
| Min | 48.65 | 48.64 | 48.75 | 48.83 | 48.80 | 48.76 | 48.89 | 48.81 | 48.73 | 48.70 | 48.61 | 48.56 | 48.56 |

Annual Max Momentary Gage Height 49.98 m. (MSL.) , at 15.00 Hours , on Aug 18 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 47.83 m. (MSL.)

Left Bank Elevation 51.30 m. (MSL.) ,

Right Bank Elevation 51.36 m. (MSL.) , Drainage Are 65 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.05 | 1.73 | 2.79 | 3.38 | 3.13 | 3.21 | 4.80 | 3.30 | 2.70 | 2.44 | 1.92 | 1.40 | | |
| 2 | 2.05 | 1.66 | 2.64 | 3.55 | 3.13 | 2.87 | 4.70 | 3.21 | 2.79 | 2.38 | 1.86 | 1.40 | | |
| 3 | 2.44 | 1.73 | 2.87 | 3.64 | 2.96 | 2.64 | 5.90 | 3.21 | 2.64 | 2.38 | 1.86 | 1.40 | | |
| 4 | 2.12 | 3.30 | 2.51 | 3.81 | 3.04 | 2.70 | 4.90 | 7.72 | 2.57 | 2.31 | 1.86 | 1.35 | | |
| 5 | 2.12 | 2.44 | 2.57 | 3.47 | 2.87 | 3.21 | 4.60 | 5.60 | 2.51 | 2.25 | 1.79 | 1.35 | | |
| 6 | 2.05 | 2.25 | 3.47 | 3.47 | 2.87 | 2.64 | 4.40 | 5.30 | 2.51 | 2.18 | 1.79 | 1.35 | | |
| 7 | 1.86 | 3.98 | 2.57 | 3.72 | 2.79 | 4.06 | 4.32 | 4.40 | 2.51 | 3.72 | 1.86 | 1.35 | | |
| 8 | 1.79 | 2.51 | 2.38 | 3.38 | 3.47 | 3.72 | 4.06 | 4.23 | 2.51 | 6.30 | 1.86 | 1.29 | | |
| 9 | 1.73 | 3.30 | 2.44 | 3.21 | 2.96 | 2.96 | 3.64 | 4.15 | 2.64 | 4.40 | 1.73 | 1.29 | | |
| 10 | 1.73 | 2.87 | 2.57 | 3.30 | 2.87 | 3.04 | 3.64 | 4.40 | 2.44 | 5.10 | 1.73 | 1.29 | | |
| 11 | 2.25 | 2.57 | 3.21 | 4.32 | 2.70 | 3.38 | 3.98 | 3.72 | 2.57 | 4.06 | 1.73 | 1.29 | | |
| 12 | 2.12 | 2.70 | 3.81 | 6.00 | 2.70 | 3.21 | 3.47 | 3.98 | 2.64 | 3.55 | 1.73 | 1.24 | | |
| 13 | 2.05 | 2.51 | 2.96 | 7.60 | 2.87 | 2.87 | 3.55 | 3.81 | 2.31 | 3.38 | 1.66 | 1.24 | | |
| 14 | 2.05 | 2.51 | 3.98 | 6.64 | 3.04 | 5.30 | 5.90 | 4.40 | 2.31 | 3.04 | 1.73 | 1.18 | | |
| 15 | 1.92 | 2.31 | 3.21 | 5.70 | 5.50 | 4.90 | 4.80 | 5.30 | 2.25 | 2.87 | 1.66 | 1.18 | | |
| 16 | 1.92 | 2.25 | 2.96 | 5.20 | 5.70 | 4.40 | 4.23 | 4.40 | 3.21 | 2.79 | 1.60 | 1.24 | | |
| 17 | 1.73 | 2.70 | 2.96 | 4.80 | 4.50 | 3.89 | 4.15 | 4.32 | 7.84 | 3.04 | 1.60 | 1.24 | | |
| 18 | 1.73 | 4.70 | 2.96 | 4.60 | 4.80 | 3.55 | 3.72 | 4.50 | 4.60 | 2.64 | 1.60 | 1.24 | | |
| 19 | 1.99 | 3.89 | 2.96 | 4.70 | 6.00 | 3.30 | 3.89 | 4.32 | 3.98 | 2.51 | 1.60 | 1.66 | | |
| 20 | 1.92 | 3.98 | 3.81 | 4.40 | 4.80 | 3.04 | 7.12 | 4.40 | 3.38 | 2.57 | 1.53 | 1.73 | | |
| 21 | 1.73 | 4.80 | 4.50 | 4.06 | 4.06 | 2.87 | 4.90 | 4.06 | 3.04 | 2.44 | 1.53 | 1.99 | | |
| 22 | 1.73 | 3.81 | 3.64 | 3.98 | 3.72 | 2.70 | 4.40 | 3.72 | 3.04 | 2.38 | 1.47 | 1.66 | | |
| 23 | 1.99 | 5.80 | 3.21 | 3.81 | 3.72 | 2.57 | 3.98 | 3.55 | 3.13 | 2.31 | 1.73 | 1.40 | | |
| 24 | 2.64 | 4.50 | 3.47 | 3.89 | 3.30 | 2.64 | 9.50 | 3.38 | 2.87 | 2.25 | 1.60 | 1.47 | | |
| 25 | 3.04 | 4.90 | 3.98 | 3.55 | 3.13 | 2.44 | 5.60 | 3.21 | 2.70 | 2.25 | 1.47 | 1.99 | | |
| 26 | 2.18 | 3.98 | 8.20 | 3.55 | 3.13 | 2.44 | 4.60 | 3.04 | 2.64 | 2.18 | 1.47 | 1.79 | | |
| 27 | 2.05 | 3.81 | 5.50 | 3.47 | 3.13 | 2.96 | 4.15 | 2.87 | 2.57 | 2.12 | 1.47 | 2.64 | | |
| 28 | 1.92 | 3.38 | 4.60 | 3.30 | 2.87 | 3.64 | 3.89 | 2.87 | 2.57 | 2.12 | 1.47 | 1.92 | | |
| 29 | 1.92 | 3.21 | 4.23 | 3.13 | 2.70 | 3.21 | 3.72 | 2.79 | 2.70 | 2.12 | | 1.73 | | |
| 30 | 1.73 | 2.51 | 3.30 | 3.04 | 2.70 | 5.30 | 3.55 | 2.87 | 3.04 | 2.05 | | 1.53 | | |
| 31 | | 2.18 | | 2.96 | 3.72 | | 3.47 | | 2.57 | 2.05 | | 1.40 | | |
| Total | 60.55 | 98.77 | 104.26 | 127.63 | 108.88 | 99.66 | 141.53 | 121.03 | 91.78 | 88.18 | 46.91 | 46.23 | 1135.41 | CMSDAY |
| Mean | 2.02 | 3.19 | 3.48 | 4.12 | 3.51 | 3.32 | 4.57 | 4.03 | 2.96 | 2.84 | 1.68 | 1.49 | 3.11 | CMS |
| Max | 3.04 | 5.80 | 8.20 | 7.60 | 6.00 | 5.30 | 9.50 | 7.72 | 7.84 | 6.30 | 1.92 | 2.64 | 9.50 | CMS |
| Min | 1.73 | 1.66 | 2.38 | 2.96 | 2.70 | 2.44 | 3.47 | 2.79 | 2.25 | 2.05 | 1.47 | 1.18 | 1.18 | CMS |
| Runoff | 5.23 | 8.53 | 9.01 | 11.03 | 9.41 | 8.61 | 12.23 | 10.46 | 7.93 | 7.62 | 4.05 | 3.99 | 98.10 | MCM |

Momentary Peak 17.10 CMS. at 49.98 m. (MSL.) at 15.00 Hours , on Aug 18, 2006

Runoff Yield 47.92 Liters/Second/Square KM. Momentary Peak Yield 263.40 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Rap Ro at Ban Hat Nai , Chumphon (X.248)

Lat 10 - 38 - 16 N Long 99 - 03 - 01 E

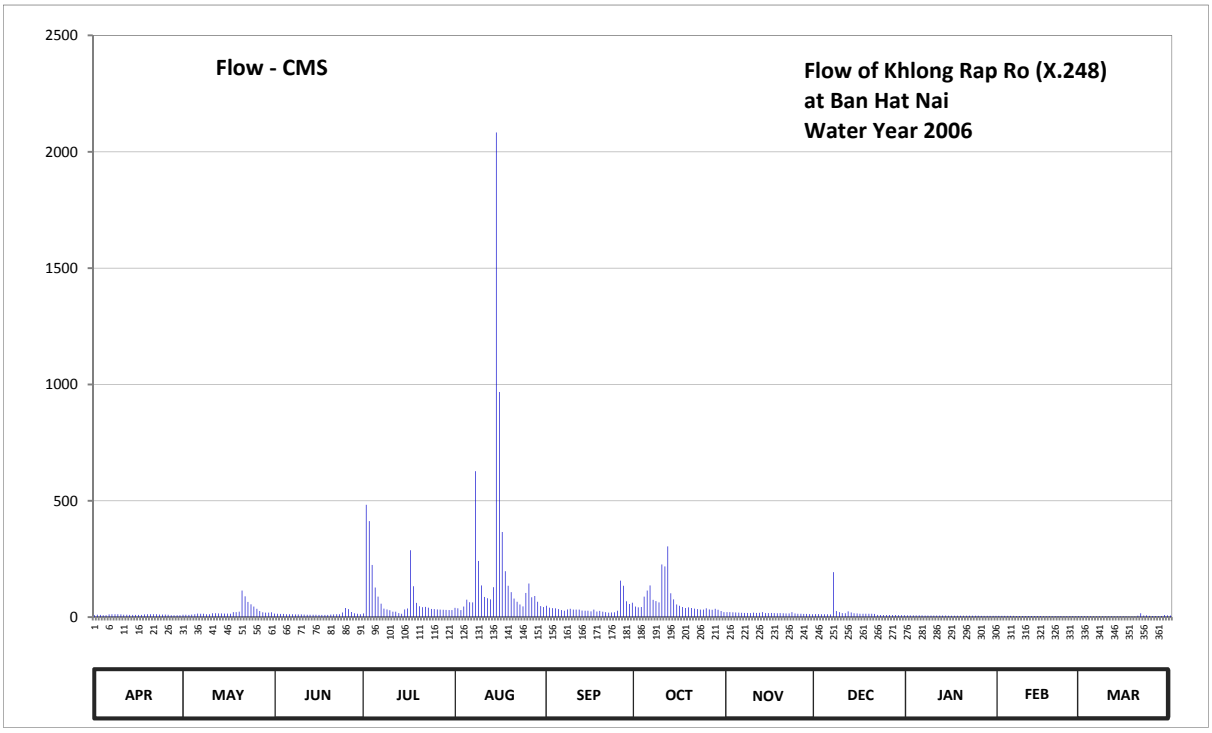
**Location : on left bank at Ban Hat Nai.**

| | | | |
|---|---|---|---|
| | **Ban** Hat Nai | **Amphoe** Tha Sae | **Changwat** Chumphon |
| **Drainge Area** | 691 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +16.734 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the automatic gage building. | | **Elevation** +27.734 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 30 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.23 | 18.28 | 18.40 | 18.42 | 18.80 | 18.90 | 18.86 | 18.53 | 18.35 | 18.22 | 18.12 | 18.04 | |
| 2 | 18.28 | 18.28 | 18.39 | 21.10 | 18.77 | 18.81 | 18.82 | 18.52 | 18.35 | 18.22 | 18.12 | 18.04 | |
| 3 | 18.27 | 18.27 | 18.36 | 20.87 | 18.67 | 18.78 | 18.84 | 18.51 | 18.34 | 18.22 | 18.11 | 18.04 | |
| 4 | 18.23 | 18.30 | 18.36 | 20.09 | 18.86 | 18.77 | 19.28 | 18.50 | 18.34 | 18.21 | 18.11 | 18.03 | |
| 5 | 18.23 | 18.33 | 18.34 | 19.56 | 19.18 | 18.72 | 19.47 | 18.48 | 18.33 | 18.21 | 18.11 | 18.03 | |
| 6 | 18.31 | 18.40 | 18.33 | 19.28 | 19.07 | 18.67 | 19.62 | 18.47 | 18.32 | 18.21 | 18.11 | 18.03 | |
| 7 | 18.33 | 18.38 | 18.33 | 19.01 | 19.06 | 18.63 | 19.17 | 18.46 | 19.94 | 18.20 | 18.10 | 18.03 | |
| 8 | 18.33 | 18.38 | 18.32 | 18.75 | 21.53 | 18.71 | 19.12 | 18.45 | 18.61 | 18.20 | 18.10 | 18.03 | |
| 9 | 18.34 | 18.33 | 18.32 | 18.71 | 20.17 | 18.74 | 19.06 | 18.44 | 18.53 | 18.19 | 18.10 | 18.03 | |
| 10 | 18.31 | 18.33 | 18.31 | 18.66 | 19.62 | 18.70 | 20.10 | 18.49 | 18.44 | 18.19 | 18.10 | 18.03 | |
| 11 | 18.28 | 18.43 | 18.30 | 18.57 | 19.27 | 18.70 | 20.06 | 18.45 | 18.43 | 18.19 | 18.09 | 18.02 | |
| 12 | 18.28 | 18.43 | 18.29 | 18.56 | 19.23 | 18.70 | 20.45 | 18.47 | 18.59 | 18.19 | 18.09 | 18.02 | |
| 13 | 18.27 | 18.41 | 18.29 | 18.44 | 19.19 | 18.64 | 19.39 | 18.53 | 18.50 | 18.18 | 18.09 | 18.02 | |
| 14 | 18.27 | 18.41 | 18.28 | 18.38 | 19.57 | 18.63 | 19.19 | 18.44 | 18.43 | 18.18 | 18.08 | 18.02 | |
| 15 | 18.27 | 18.40 | 18.28 | 18.71 | 24.45 | 18.63 | 18.97 | 18.44 | 18.41 | 18.17 | 18.08 | 18.01 | |
| 16 | 18.26 | 18.40 | 18.27 | 18.76 | 22.39 | 18.59 | 18.90 | 18.45 | 18.39 | 18.17 | 18.07 | 18.01 | |
| 17 | 18.26 | 18.38 | 18.26 | 20.38 | 20.70 | 18.70 | 18.84 | 18.44 | 18.39 | 18.16 | 18.07 | 18.00 | |
| 18 | 18.31 | 18.52 | 18.26 | 19.60 | 19.96 | 18.58 | 18.79 | 18.43 | 18.38 | 18.16 | 18.07 | 18.00 | |
| 19 | 18.33 | 18.53 | 18.27 | 19.04 | 19.61 | 18.62 | 18.82 | 18.44 | 18.38 | 18.15 | 18.06 | 17.99 | |
| 20 | 18.33 | 18.56 | 18.30 | 18.88 | 19.42 | 18.57 | 18.79 | 18.43 | 18.38 | 18.15 | 18.06 | 18.14 | |
| 21 | 18.33 | 19.47 | 18.32 | 18.83 | 19.22 | 18.52 | 18.75 | 18.42 | 18.37 | 18.14 | 18.06 | 18.43 | |
| 22 | 18.33 | 19.29 | 18.33 | 18.85 | 19.09 | 18.49 | 18.72 | 18.41 | 18.26 | 18.14 | 18.05 | 18.20 | |
| 23 | 18.30 | 19.08 | 18.34 | 18.81 | 18.97 | 18.50 | 18.70 | 18.53 | 18.25 | 18.14 | 18.05 | 18.22 | |
| 24 | 18.30 | 18.98 | 18.50 | 18.73 | 18.87 | 18.51 | 18.70 | 18.41 | 18.25 | 18.14 | 18.05 | 18.12 | |
| 25 | 18.30 | 18.86 | 18.79 | 18.72 | 19.40 | 18.63 | 18.77 | 18.39 | 18.25 | 18.14 | 18.04 | 18.10 | |
| 26 | 18.28 | 18.74 | 18.72 | 18.71 | 19.67 | 19.75 | 18.71 | 18.39 | 18.24 | 18.13 | 18.04 | 18.08 | |
| 27 | 18.23 | 18.61 | 18.54 | 18.70 | 19.26 | 19.61 | 18.69 | 18.37 | 18.24 | 18.13 | 18.04 | 18.07 | |
| 28 | 18.23 | 18.51 | 18.43 | 18.69 | 19.30 | 19.11 | 18.74 | 18.36 | 18.24 | 18.13 | 18.04 | 18.09 | |
| 29 | 18.23 | 18.49 | 18.39 | 18.68 | 19.09 | 18.99 | 18.69 | 18.35 | 18.23 | 18.12 | | 18.25 | |
| 30 | 18.23 | 18.49 | 18.34 | 18.67 | 18.89 | 19.05 | 18.61 | 18.34 | 18.23 | 18.12 | | 18.21 | |
| 31 | | 18.51 | | 18.67 | 18.84 | | 18.53 | | 18.23 | 18.12 | | 18.19 | |
| Mean | 18.28 | 18.54 | 18.37 | 19.03 | 19.62 | 18.76 | 19.04 | 18.44 | 18.41 | 18.17 | 18.08 | 18.08 | |
| Max | 18.34 | 19.47 | 18.79 | 21.10 | 24.45 | 19.75 | 20.45 | 18.53 | 19.94 | 18.22 | 18.12 | 18.43 | 24.45 |
| Min | 18.23 | 18.27 | 18.26 | 18.38 | 18.67 | 18.49 | 18.53 | 18.34 | 18.23 | 18.12 | 18.04 | 17.99 | 17.99 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 25.03 | m. (MSL.) , | at 06.00 Hours , on Aug 15 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 16.81 | m. (MSL.) |
| Left Bank Elevation | 26.98 | m. (MSL.) , | | | |
| Right Bank Elevation | 24.81 | m. (MSL.) , | Drainage Are | 691 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.20 | 10.20 | 15.00 | 16.00 | 40.00 | 48.50 | 45.10 | 21.50 | 13.00 | 7.80 | 5.40 | 3.80 | | |
| 2 | 10.20 | 10.20 | 14.60 | 482.50 | 37.75 | 40.85 | 41.70 | 21.00 | 13.00 | 7.80 | 5.40 | 3.80 | | |
| 3 | 9.80 | 9.80 | 13.40 | 412.30 | 30.25 | 38.50 | 43.40 | 20.50 | 12.60 | 7.80 | 5.20 | 3.80 | | |
| 4 | 8.20 | 11.00 | 13.40 | 224.35 | 45.10 | 37.75 | 87.80 | 20.00 | 12.60 | 7.40 | 5.20 | 3.60 | | |
| 5 | 8.20 | 12.20 | 12.60 | 127.20 | 75.00 | 34.00 | 114.15 | 19.00 | 12.20 | 7.40 | 5.20 | 3.60 | | |
| 6 | 11.40 | 15.00 | 12.20 | 87.80 | 64.00 | 30.25 | 136.20 | 18.50 | 11.80 | 7.40 | 5.20 | 3.60 | | |
| 7 | 12.20 | 14.20 | 12.20 | 58.00 | 63.00 | 27.25 | 74.00 | 18.00 | 193.00 | 7.00 | 5.00 | 3.60 | | |
| 8 | 12.20 | 14.20 | 11.80 | 36.25 | 626.85 | 33.25 | 69.00 | 17.50 | 25.75 | 7.00 | 5.00 | 3.60 | | |
| 9 | 12.60 | 12.20 | 11.80 | 33.25 | 241.55 | 35.50 | 63.00 | 17.00 | 21.50 | 6.80 | 5.00 | 3.60 | | |
| 10 | 11.40 | 12.20 | 11.40 | 29.50 | 136.20 | 32.50 | 226.50 | 19.50 | 17.00 | 6.80 | 5.00 | 3.60 | | |
| 11 | 10.20 | 16.50 | 11.00 | 23.50 | 86.45 | 32.50 | 217.90 | 17.50 | 16.50 | 6.80 | 4.80 | 3.40 | | |
| 12 | 10.20 | 16.50 | 10.60 | 23.00 | 81.05 | 32.50 | 304.00 | 18.50 | 24.50 | 6.80 | 4.80 | 3.40 | | |
| 13 | 9.80 | 15.50 | 10.60 | 17.00 | 76.00 | 28.00 | 102.65 | 21.50 | 20.00 | 6.60 | 4.80 | 3.40 | | |
| 14 | 9.80 | 15.50 | 10.20 | 14.20 | 128.65 | 27.25 | 76.00 | 17.00 | 16.50 | 6.60 | 4.60 | 3.40 | | |
| 15 | 9.80 | 15.00 | 10.20 | 33.25 | 2082.75 | 27.25 | 54.45 | 17.00 | 15.50 | 6.40 | 4.60 | 3.20 | | |
| 16 | 9.40 | 15.00 | 9.80 | 37.00 | 967.65 | 24.50 | 48.50 | 17.50 | 14.60 | 6.40 | 4.40 | 3.20 | | |
| 17 | 9.40 | 14.20 | 9.40 | 287.60 | 366.00 | 32.50 | 43.40 | 17.00 | 14.60 | 6.20 | 4.40 | 3.00 | | |
| 18 | 11.40 | 21.00 | 9.40 | 133.00 | 197.00 | 24.00 | 39.25 | 16.50 | 14.20 | 6.20 | 4.40 | 3.00 | | |
| 19 | 12.20 | 21.50 | 9.80 | 61.00 | 134.60 | 26.50 | 41.70 | 17.00 | 14.20 | 6.00 | 4.20 | 2.90 | | |
| 20 | 12.20 | 23.00 | 11.00 | 46.80 | 106.90 | 23.50 | 39.25 | 16.50 | 14.20 | 6.00 | 4.20 | 5.80 | | |
| 21 | 12.20 | 114.15 | 11.80 | 42.55 | 79.70 | 21.00 | 36.25 | 16.00 | 13.80 | 5.80 | 4.20 | 16.50 | | |
| 22 | 12.20 | 89.15 | 12.20 | 44.25 | 66.00 | 19.50 | 34.00 | 15.50 | 9.40 | 5.80 | 4.00 | 7.00 | | |
| 23 | 11.00 | 65.00 | 12.60 | 40.85 | 54.45 | 20.00 | 32.50 | 21.50 | 9.00 | 5.80 | 4.00 | 7.80 | | |
| 24 | 11.00 | 55.30 | 20.00 | 34.75 | 45.95 | 20.50 | 32.50 | 15.50 | 9.00 | 5.80 | 4.00 | 5.40 | | |
| 25 | 11.00 | 45.10 | 39.25 | 34.00 | 104.00 | 27.25 | 37.75 | 14.60 | 9.00 | 5.80 | 3.80 | 5.00 | | |
| 26 | 10.20 | 35.50 | 34.00 | 33.25 | 144.20 | 157.00 | 33.25 | 14.60 | 8.60 | 5.60 | 3.80 | 4.60 | | |
| 27 | 8.20 | 25.75 | 22.00 | 32.50 | 85.10 | 134.60 | 31.75 | 13.80 | 8.60 | 5.60 | 3.80 | 4.40 | | |
| 28 | 8.20 | 20.50 | 16.50 | 31.75 | 90.50 | 68.00 | 35.50 | 13.40 | 8.60 | 5.60 | 3.80 | 4.80 | | |
| 29 | 8.20 | 19.50 | 14.60 | 31.00 | 66.00 | 56.15 | 31.75 | 13.00 | 8.20 | 5.40 | | 9.00 | | |
| 30 | 8.20 | 19.50 | 12.60 | 30.25 | 47.65 | 62.00 | 25.75 | 12.60 | 8.20 | 5.40 | | 7.40 | | |
| 31 | | 20.50 | | 30.25 | 43.40 | | 21.50 | | 8.20 | 5.40 | | 6.80 | | |
| Total | 309.20 | 804.85 | 425.95 | 2568.90 | 6413.70 | 1222.85 | 2220.45 | 519.00 | 597.85 | 199.20 | 128.20 | 150.00 | 15560.15 | CMSDAY |
| Mean | 10.31 | 25.96 | 14.20 | 82.87 | 206.89 | 40.76 | 71.63 | 17.30 | 19.29 | 6.43 | 4.58 | 4.84 | 42.63 | CMS |
| Max | 12.60 | 114.15 | 39.25 | 482.50 | 2082.75 | 157.00 | 304.00 | 21.50 | 193.00 | 7.80 | 5.40 | 16.50 | 2082.75 | CMS |
| Min | 8.20 | 9.80 | 9.40 | 14.20 | 30.25 | 19.50 | 21.50 | 12.60 | 8.20 | 5.40 | 3.80 | 2.90 | 2.90 | CMS |
| Runoff | 26.71 | 69.54 | 36.80 | 221.95 | 554.14 | 105.65 | 191.85 | 44.84 | 51.65 | 17.21 | 11.08 | 12.96 | 1344.40 | MCM |

Momentary Peak 2452.27 CMS. at 25.03 m. (MSL.) at 06.00 Hours , on Aug 15 , 2006

Runoff Yield 61.68 Liters/Second/Square KM. Momentary Peak Yield 3547.84 Liters/Second/Square KM.

## WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Yan Din Daeng , Surat Thani (X.37A)

Lat 08 - 34 - 03 N Long 99 - 15 - 15 E

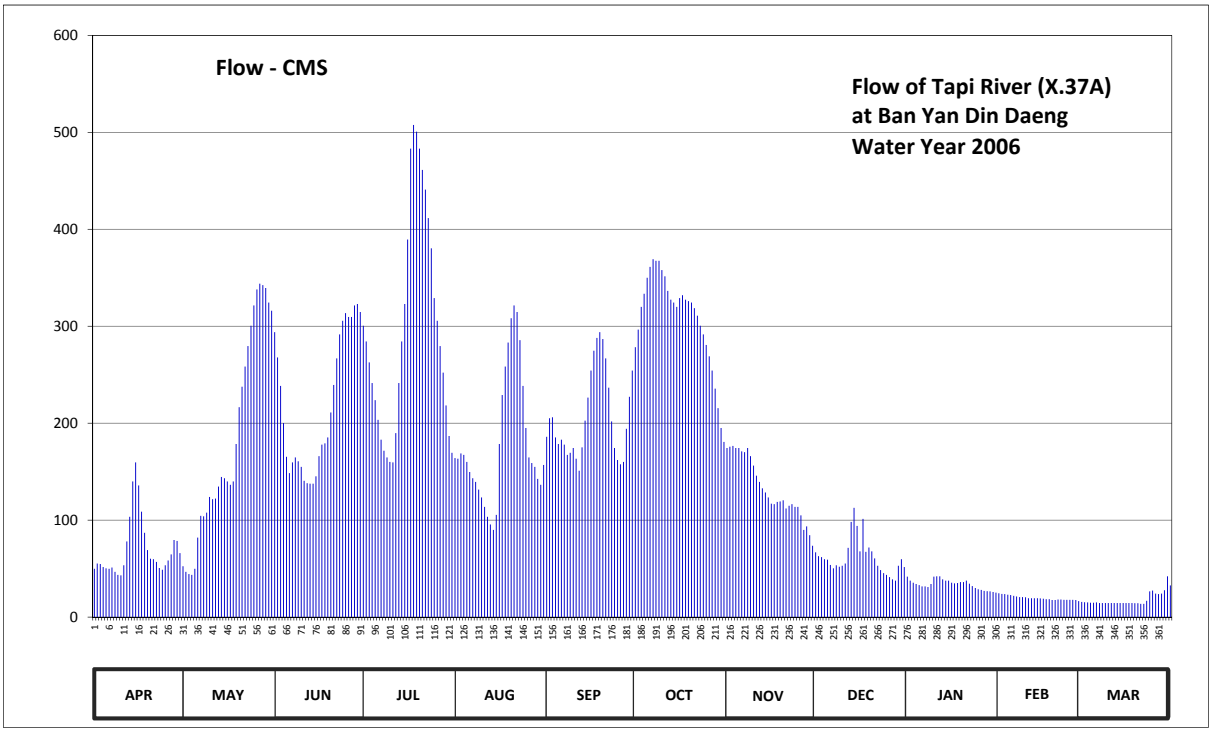
**Location : on left bank at Tambon Yan Din Daeng.**

| | | | |
|---|---|---|---|
| | **Ban** Yan Din Daeng | **Amphoe** Phrasaeng | **Changwat** Surat Thani |
| **Drainge Area** | 5,383 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the automatic gage building. | | **Elevation** +10.240 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1969 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1969 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1969 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 18 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.04 | 6.10 | 9.60 | 9.65 | 8.17 | 8.48 | 9.47 | 8.32 | 6.42 | 5.86 | 5.37 | 5.06 | |
| 2 | 6.16 | 5.97 | 9.38 | 9.52 | 8.16 | 8.72 | 9.62 | 8.34 | 6.33 | 5.76 | 5.35 | 5.05 | |
| 3 | 6.15 | 5.92 | 9.09 | 9.33 | 8.24 | 8.73 | 9.80 | 8.35 | 6.31 | 5.70 | 5.34 | 5.04 | |
| 4 | 6.08 | 5.90 | 8.66 | 9.12 | 8.22 | 8.47 | 9.89 | 8.32 | 6.26 | 5.66 | 5.32 | 5.03 | |
| 5 | 6.05 | 6.04 | 8.19 | 8.93 | 8.11 | 8.38 | 10.00 | 8.32 | 6.25 | 5.63 | 5.31 | 5.03 | |
| 6 | 6.04 | 6.74 | 7.93 | 8.70 | 7.95 | 8.44 | 10.07 | 8.27 | 6.13 | 5.59 | 5.28 | 5.04 | |
| 7 | 6.07 | 7.18 | 8.10 | 8.44 | 7.85 | 8.37 | 10.12 | 8.26 | 6.05 | 5.59 | 5.26 | 5.02 | |
| 8 | 5.97 | 7.17 | 8.18 | 8.28 | 7.79 | 8.22 | 10.11 | 8.32 | 6.12 | 5.57 | 5.24 | 5.02 | |
| 9 | 5.90 | 7.24 | 8.12 | 8.18 | 7.66 | 8.25 | 10.11 | 8.20 | 6.09 | 5.66 | 5.24 | 5.02 | |
| 10 | 5.89 | 7.53 | 8.03 | 8.11 | 7.52 | 8.32 | 10.05 | 8.05 | 6.11 | 5.86 | 5.23 | 5.02 | |
| 11 | 6.12 | 7.49 | 7.81 | 8.10 | 7.35 | 8.16 | 10.01 | 7.89 | 6.16 | 5.87 | 5.20 | 5.02 | |
| 12 | 6.66 | 7.50 | 7.77 | 8.53 | 7.16 | 7.97 | 9.91 | 7.79 | 6.52 | 5.87 | 5.20 | 5.02 | |
| 13 | 7.16 | 7.71 | 7.76 | 9.12 | 7.01 | 8.33 | 9.85 | 7.68 | 7.06 | 5.80 | 5.20 | 5.02 | |
| 14 | 7.80 | 7.87 | 7.76 | 9.52 | 6.90 | 8.69 | 9.83 | 7.61 | 7.33 | 5.76 | 5.20 | 5.02 | |
| 15 | 8.10 | 7.85 | 7.88 | 9.82 | 7.20 | 8.96 | 9.80 | 7.52 | 6.98 | 5.76 | 5.19 | 5.02 | |
| 16 | 7.73 | 7.80 | 8.20 | 10.24 | 8.38 | 9.25 | 9.86 | 7.41 | 6.44 | 5.70 | 5.18 | 5.02 | |
| 17 | 7.26 | 7.74 | 8.37 | 10.71 | 8.99 | 9.44 | 9.88 | 7.40 | 7.12 | 5.68 | 5.16 | 5.02 | |
| 18 | 6.84 | 7.80 | 8.39 | 10.82 | 9.29 | 9.55 | 9.85 | 7.44 | 6.43 | 5.69 | 5.16 | 5.02 | |
| 19 | 6.47 | 8.38 | 8.47 | 10.79 | 9.51 | 9.60 | 9.84 | 7.45 | 6.53 | 5.72 | 5.13 | 5.01 | |
| 20 | 6.27 | 8.85 | 8.79 | 10.71 | 9.71 | 9.54 | 9.83 | 7.47 | 6.44 | 5.72 | 5.13 | 5.01 | |
| 21 | 6.26 | 9.08 | 9.10 | 10.61 | 9.81 | 9.37 | 9.79 | 7.32 | 6.28 | 5.76 | 5.15 | 4.99 | |
| 22 | 6.20 | 9.29 | 9.37 | 10.51 | 9.76 | 9.07 | 9.73 | 7.37 | 6.11 | 5.67 | 5.15 | 4.99 | |
| 23 | 6.06 | 9.48 | 9.58 | 10.36 | 9.53 | 8.68 | 9.65 | 7.40 | 6.01 | 5.60 | 5.14 | 5.10 | |
| 24 | 6.02 | 9.65 | 9.69 | 10.19 | 9.09 | 8.32 | 9.58 | 7.35 | 5.94 | 5.54 | 5.14 | 5.43 | |
| 25 | 6.12 | 9.81 | 9.75 | 9.86 | 8.60 | 8.14 | 9.49 | 7.35 | 5.90 | 5.50 | 5.14 | 5.46 | |
| 26 | 6.23 | 9.92 | 9.72 | 9.69 | 8.18 | 8.07 | 9.39 | 7.19 | 5.85 | 5.48 | 5.14 | 5.36 | |
| 27 | 6.37 | 9.96 | 9.72 | 9.48 | 8.09 | 8.11 | 9.25 | 6.90 | 5.80 | 5.45 | 5.13 | 5.34 | |
| 28 | 6.69 | 9.95 | 9.81 | 9.23 | 8.03 | 8.59 | 9.06 | 6.97 | 5.76 | 5.44 | 5.09 | 5.36 | |
| 29 | 6.67 | 9.93 | 9.82 | 8.87 | 7.84 | 8.97 | 8.84 | 6.79 | 6.11 | 5.43 | | 5.47 | |
| 30 | 6.40 | 9.83 | 9.76 | 8.49 | 7.74 | 9.25 | 8.60 | 6.57 | 6.26 | 5.41 | | 5.87 | |
| 31 | | 9.77 | | 8.25 | 8.06 | | 8.41 | | 6.08 | 5.39 | | 5.62 | |
| Mean | 6.46 | 8.11 | 8.76 | 9.42 | 8.25 | 8.68 | 9.67 | 7.65 | 6.30 | 5.65 | 5.21 | 5.15 | |
| Max | 8.10 | 9.96 | 9.82 | 10.82 | 9.81 | 9.60 | 10.12 | 8.35 | 7.33 | 5.87 | 5.37 | 5.87 | 10.82 |
| Min | 5.89 | 5.90 | 7.76 | 8.10 | 6.90 | 7.97 | 8.41 | 6.57 | 5.76 | 5.39 | 5.09 | 4.99 | 4.99 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 10.82 | m. (MSL.) , | at 06.00 Hours , on Jul 18, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 3.07 | m. (MSL.) |
| Left Bank Elevation | 12.43 | m. (MSL.) , | | | |
| Right Bank Elevation | 12.60 | m. (MSL.) , | Drainage Are | 5,383 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 49.80 | 52.50 | 294.00 | 300.50 | 164.05 | 186.00 | 278.40 | 174.40 | 66.90 | 41.70 | 24.60 | 15.65 | | |
| 2 | 55.20 | 46.65 | 267.90 | 284.40 | 163.40 | 205.20 | 296.60 | 175.80 | 62.85 | 37.60 | 24.00 | 15.38 | | |
| 3 | 54.75 | 44.40 | 238.55 | 262.65 | 168.80 | 206.05 | 320.00 | 176.50 | 61.95 | 35.50 | 23.70 | 15.10 | | |
| 4 | 51.60 | 43.50 | 200.10 | 241.40 | 167.40 | 185.25 | 333.50 | 174.40 | 59.70 | 34.10 | 23.10 | 14.83 | | |
| 5 | 50.25 | 49.80 | 165.35 | 223.70 | 160.15 | 178.60 | 350.00 | 174.40 | 59.25 | 33.05 | 22.80 | 14.83 | | |
| 6 | 49.80 | 82.00 | 148.45 | 203.50 | 149.75 | 183.00 | 361.20 | 170.90 | 53.85 | 31.68 | 21.90 | 15.10 | | |
| 7 | 51.15 | 104.45 | 159.50 | 183.00 | 143.25 | 177.90 | 369.20 | 170.20 | 50.25 | 31.68 | 21.30 | 14.55 | | |
| 8 | 46.65 | 103.93 | 164.70 | 171.60 | 139.40 | 167.40 | 367.60 | 174.40 | 53.40 | 31.03 | 20.70 | 14.55 | | |
| 9 | 43.50 | 107.70 | 160.80 | 164.70 | 131.60 | 169.50 | 367.60 | 166.00 | 52.05 | 34.10 | 20.70 | 14.55 | | |
| 10 | 43.05 | 123.98 | 154.95 | 160.15 | 123.40 | 174.40 | 358.00 | 156.25 | 52.95 | 41.70 | 20.40 | 14.55 | | |
| 11 | 53.40 | 121.68 | 140.65 | 159.50 | 113.75 | 163.40 | 351.60 | 145.85 | 55.20 | 42.15 | 19.50 | 14.55 | | |
| 12 | 78.00 | 122.25 | 138.20 | 189.75 | 103.40 | 151.05 | 336.50 | 139.40 | 71.40 | 42.15 | 19.50 | 14.55 | | |
| 13 | 103.40 | 134.60 | 137.60 | 241.40 | 95.53 | 175.10 | 327.50 | 132.80 | 98.15 | 39.00 | 19.50 | 14.55 | | |
| 14 | 140.00 | 144.55 | 137.60 | 284.40 | 90.00 | 202.65 | 324.50 | 128.60 | 112.65 | 37.60 | 19.50 | 14.55 | | |
| 15 | 159.50 | 143.25 | 145.20 | 323.00 | 105.50 | 226.40 | 320.00 | 123.40 | 94.00 | 37.60 | 19.23 | 14.55 | | |
| 16 | 135.80 | 140.00 | 166.00 | 389.40 | 178.60 | 254.25 | 329.00 | 117.08 | 67.80 | 35.50 | 18.95 | 14.55 | | |
| 17 | 108.80 | 136.40 | 177.90 | 483.20 | 229.10 | 274.80 | 332.00 | 116.50 | 101.30 | 34.80 | 18.40 | 14.55 | | |
| 18 | 87.00 | 140.00 | 179.30 | 507.70 | 258.45 | 288.00 | 327.50 | 118.80 | 67.35 | 35.15 | 18.40 | 14.55 | | |
| 19 | 69.15 | 178.60 | 185.25 | 500.80 | 283.20 | 294.00 | 326.00 | 119.38 | 71.85 | 36.20 | 17.58 | 14.28 | | |
| 20 | 60.15 | 216.50 | 211.15 | 483.20 | 308.30 | 286.80 | 324.50 | 120.53 | 67.80 | 36.20 | 17.58 | 14.28 | | |
| 21 | 59.70 | 237.60 | 239.50 | 461.20 | 321.50 | 266.85 | 318.70 | 112.10 | 60.60 | 37.60 | 18.13 | 13.75 | | |
| 22 | 57.00 | 258.45 | 266.85 | 441.00 | 314.80 | 236.65 | 310.90 | 114.85 | 52.95 | 34.45 | 18.13 | 13.75 | | |
| 23 | 50.70 | 279.60 | 291.60 | 411.60 | 285.60 | 201.80 | 300.50 | 116.50 | 48.45 | 32.00 | 17.85 | 16.75 | | |
| 24 | 48.90 | 300.50 | 305.70 | 380.40 | 238.55 | 174.40 | 291.60 | 113.75 | 45.30 | 30.05 | 17.85 | 26.48 | | |
| 25 | 53.40 | 321.50 | 313.50 | 329.00 | 195.00 | 162.10 | 280.80 | 113.75 | 43.50 | 28.75 | 17.85 | 27.45 | | |
| 26 | 58.35 | 338.00 | 309.60 | 305.70 | 164.70 | 157.55 | 268.95 | 104.98 | 41.25 | 28.10 | 17.85 | 24.30 | | |
| 27 | 64.65 | 344.00 | 309.60 | 279.60 | 158.85 | 160.15 | 254.25 | 90.00 | 39.00 | 27.13 | 17.58 | 23.70 | | |
| 28 | 79.50 | 342.50 | 321.50 | 252.15 | 154.95 | 194.25 | 235.70 | 93.50 | 37.60 | 26.80 | 16.48 | 24.30 | | |
| 29 | 78.50 | 339.50 | 323.00 | 218.30 | 142.60 | 227.30 | 215.60 | 84.50 | 52.95 | 26.48 | | 27.78 | | |
| 30 | 66.00 | 324.50 | 314.80 | 186.75 | 136.40 | 254.25 | 195.00 | 73.65 | 59.70 | 25.83 | | 42.15 | | |
| 31 | | 316.10 | | 169.50 | 156.90 | | 180.75 | | 51.60 | 25.20 | | 32.70 | | |
| Total | 2,107.65 | 5,638.99 | 6,568.80 | 9193.15 | 5546.88 | 6185.05 | 9553.95 | 3993.17 | 1913.55 | 1050.88 | 553.06 | 567.16 | 52872.29 | CMSDAY |
| Mean | 70.26 | 181.90 | 218.96 | 296.55 | 178.93 | 206.17 | 308.19 | 133.11 | 61.73 | 33.90 | 19.75 | 18.30 | 144.86 | CMS |
| Max | 159.50 | 344.00 | 323.00 | 507.70 | 321.50 | 294.00 | 369.20 | 176.50 | 112.65 | 42.15 | 24.60 | 42.15 | 507.70 | CMS |
| Min | 43.05 | 43.50 | 137.60 | 159.50 | 90.00 | 151.05 | 180.75 | 73.65 | 37.60 | 25.20 | 16.48 | 13.75 | 13.75 | CMS |
| Runoff | 182.10 | 487.21 | 567.54 | 794.29 | 479.25 | 534.39 | 825.46 | 345.01 | 165.33 | 90.80 | 47.78 | 49.00 | 4568.17 | MCM |

Momentary Peak 507.70 CMS, at 10.82 m. (MSL.), at 06.00 Hours, on Jul 18, 2006

Runoff Yield 26.91 Liters/Second/Square KM. Momentary Peak Yield 94.31 Liters/Second/Square KM.

## WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Phipun, Nakhon Si Thammarat (X.147A)

Lat 08 - 32 - 09 N Long 99 - 36 - 17 E

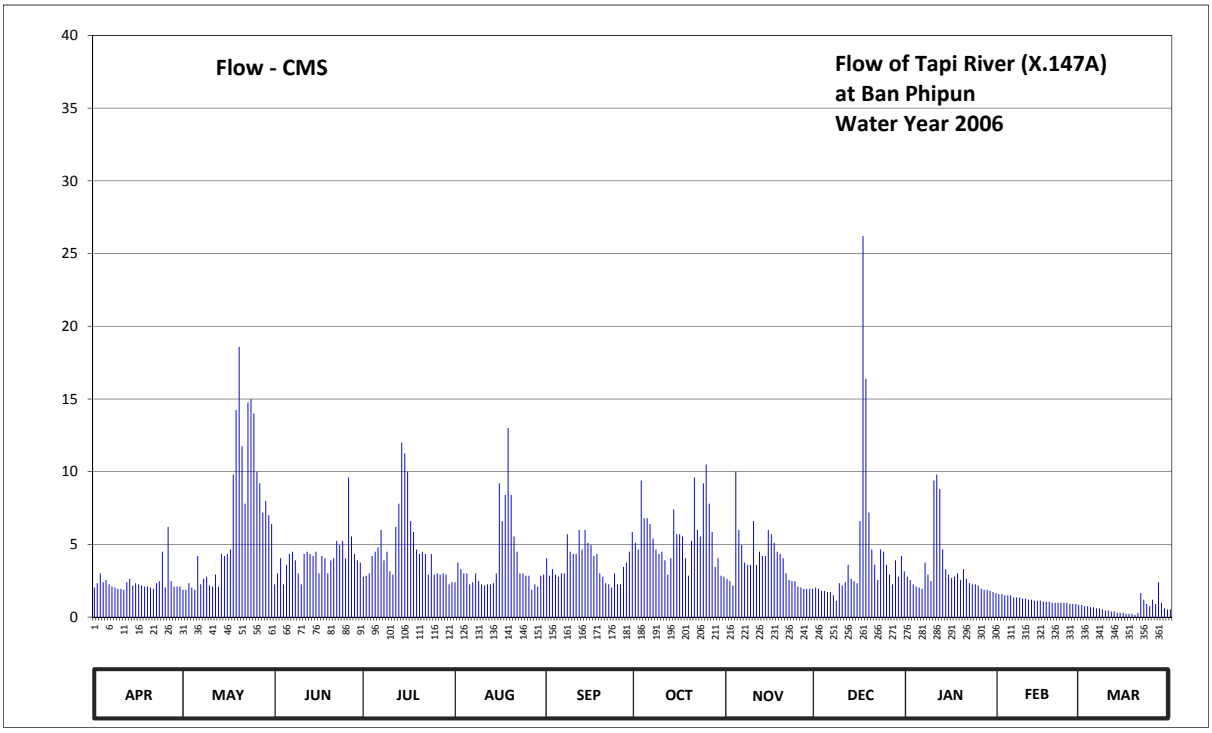
**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Phipun | **Amphoe** Phipun | **Changwat** Nakhon Si Thammar |
| **Drainge Area** | 23 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the station office. | **Elevation** | +55.740 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 17 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 51.07 | 51.05 | 51.10 | 51.17 | 51.12 | 51.27 | 51.34 | 51.15 | 51.07 | 51.17 | 51.01 | 50.91 | |
| 2 | 51.11 | 51.05 | 51.20 | 51.18 | 51.25 | 51.18 | 51.31 | 51.13 | 51.06 | 51.14 | 51.01 | 50.90 | |
| 3 | 51.20 | 51.11 | 51.27 | 51.20 | 51.22 | 51.22 | 51.57 | 51.09 | 51.04 | 51.10 | 51.00 | 50.90 | |
| 4 | 51.12 | 51.07 | 51.10 | 51.28 | 51.20 | 51.19 | 51.44 | 51.60 | 51.04 | 51.08 | 51.00 | 50.89 | |
| 5 | 51.14 | 51.05 | 51.24 | 51.30 | 51.20 | 51.17 | 51.44 | 51.40 | 51.03 | 51.07 | 51.00 | 50.89 | |
| 6 | 51.10 | 51.28 | 51.29 | 51.32 | 51.10 | 51.20 | 51.42 | 51.33 | 51.03 | 51.06 | 50.98 | 50.88 | |
| 7 | 51.08 | 51.10 | 51.30 | 51.40 | 51.12 | 51.20 | 51.36 | 51.25 | 51.00 | 51.25 | 50.98 | 50.88 | |
| 8 | 51.07 | 51.15 | 51.26 | 51.26 | 51.20 | 51.38 | 51.31 | 51.24 | 50.95 | 51.19 | 50.98 | 50.87 | |
| 9 | 51.06 | 51.17 | 51.20 | 51.30 | 51.13 | 51.30 | 51.29 | 51.24 | 51.11 | 51.13 | 50.97 | 50.86 | |
| 10 | 51.06 | 51.09 | 51.10 | 51.21 | 51.10 | 51.29 | 51.30 | 51.43 | 51.09 | 51.57 | 50.97 | 50.86 | |
| 11 | 51.05 | 51.08 | 51.29 | 51.19 | 51.09 | 51.29 | 51.26 | 51.24 | 51.12 | 51.59 | 50.96 | 50.85 | |
| 12 | 51.12 | 51.19 | 51.30 | 51.41 | 51.10 | 51.40 | 51.19 | 51.30 | 51.24 | 51.54 | 50.96 | 50.85 | |
| 13 | 51.15 | 51.08 | 51.29 | 51.49 | 51.10 | 51.31 | 51.27 | 51.28 | 51.15 | 51.31 | 50.95 | 50.84 | |
| 14 | 51.09 | 51.29 | 51.28 | 51.68 | 51.11 | 51.40 | 51.47 | 51.28 | 51.13 | 51.22 | 50.95 | 50.84 | |
| 15 | 51.11 | 51.28 | 51.30 | 51.65 | 51.20 | 51.34 | 51.38 | 51.40 | 51.11 | 51.19 | 50.95 | 50.84 | |
| 16 | 51.10 | 51.29 | 51.20 | 51.60 | 51.56 | 51.33 | 51.38 | 51.38 | 51.43 | 51.16 | 50.94 | 50.83 | |
| 17 | 51.09 | 51.31 | 51.28 | 51.43 | 51.43 | 51.28 | 51.37 | 51.34 | 52.19 | 51.17 | 50.94 | 50.83 | |
| 18 | 51.08 | 51.59 | 51.27 | 51.39 | 51.52 | 51.29 | 51.27 | 51.30 | 51.85 | 51.20 | 50.94 | 50.83 | |
| 19 | 51.08 | 51.77 | 51.20 | 51.31 | 51.72 | 51.20 | 51.18 | 51.29 | 51.46 | 51.14 | 50.93 | 50.82 | |
| 20 | 51.07 | 51.93 | 51.26 | 51.29 | 51.52 | 51.17 | 51.35 | 51.27 | 51.31 | 51.22 | 50.93 | 50.84 | |
| 21 | 51.06 | 51.67 | 51.27 | 51.30 | 51.37 | 51.11 | 51.58 | 51.20 | 51.24 | 51.15 | 50.93 | 51.02 | |
| 22 | 51.11 | 51.49 | 51.35 | 51.29 | 51.30 | 51.10 | 51.40 | 51.14 | 51.14 | 51.11 | 50.93 | 50.96 | |
| 23 | 51.13 | 51.79 | 51.33 | 51.19 | 51.20 | 51.07 | 51.37 | 51.13 | 51.31 | 51.10 | 50.93 | 50.92 | |
| 24 | 51.30 | 51.80 | 51.35 | 51.29 | 51.20 | 51.20 | 51.56 | 51.13 | 51.30 | 51.10 | 50.93 | 50.90 | |
| 25 | 51.07 | 51.76 | 51.27 | 51.19 | 51.18 | 51.10 | 51.62 | 51.08 | 51.24 | 51.09 | 50.92 | 50.96 | |
| 26 | 51.41 | 51.60 | 51.58 | 51.20 | 51.18 | 51.10 | 51.49 | 51.07 | 51.19 | 51.06 | 50.92 | 50.92 | |
| 27 | 51.13 | 51.56 | 51.37 | 51.19 | 51.05 | 51.23 | 51.39 | 51.06 | 51.10 | 51.05 | 50.92 | 51.12 | |
| 28 | 51.08 | 51.46 | 51.29 | 51.20 | 51.10 | 51.25 | 51.23 | 51.06 | 51.26 | 51.05 | 50.91 | 50.93 | |
| 29 | 51.08 | 51.50 | 51.26 | 51.19 | 51.08 | 51.30 | 51.27 | 51.06 | 51.17 | 51.04 | | 50.88 | |
| 30 | 51.08 | 51.45 | 51.25 | 51.10 | 51.18 | 51.39 | 51.18 | 51.06 | 51.28 | 51.03 | | 50.87 | |
| 31 | | 51.42 | | 51.12 | 51.19 | | 51.17 | | 51.21 | 51.02 | | 50.87 | |
| Mean | 51.11 | 51.37 | 51.27 | 51.30 | 51.23 | 51.24 | 51.36 | 51.23 | 51.22 | 51.17 | 50.96 | 50.89 | |
| Max | 51.41 | 51.93 | 51.58 | 51.68 | 51.72 | 51.40 | 51.62 | 51.60 | 52.19 | 51.59 | 51.01 | 51.12 | 52.19 |
| Min | 51.05 | 51.05 | 51.10 | 51.10 | 51.05 | 51.07 | 51.17 | 51.06 | 50.95 | 51.02 | 50.91 | 50.82 | 50.82 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 53.43 | m. (MSL.) , | at 12.00 Hours , on Dec 17, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 50.32 | m. (MSL.) |
| Left Bank Elevation | 55.91 | m. (MSL.) , | | | |
| Right Bank Elevation | 55.85 | m. (MSL.) , | Drainage Are | 23 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.03 | 1.88 | 2.25 | 2.78 | 2.40 | 4.05 | 5.10 | 2.63 | 2.03 | 2.78 | 1.58 | 0.83 | | |
| 2 | 2.33 | 1.88 | 3.00 | 2.85 | 3.75 | 2.85 | 4.65 | 2.48 | 1.95 | 2.55 | 1.58 | 0.75 | | |
| 3 | 3.00 | 2.33 | 4.05 | 3.00 | 3.30 | 3.30 | 9.40 | 2.18 | 1.80 | 2.25 | 1.50 | 0.75 | | |
| 4 | 2.40 | 2.03 | 2.25 | 4.20 | 3.00 | 2.93 | 6.80 | 10.00 | 1.80 | 2.10 | 1.50 | 0.68 | | |
| 5 | 2.55 | 1.88 | 3.60 | 4.50 | 3.00 | 2.78 | 6.80 | 6.00 | 1.73 | 2.03 | 1.50 | 0.68 | | |
| 6 | 2.25 | 4.20 | 4.35 | 4.80 | 2.25 | 3.00 | 6.40 | 4.95 | 1.73 | 1.95 | 1.35 | 0.60 | | |
| 7 | 2.10 | 2.25 | 4.50 | 6.00 | 2.40 | 3.00 | 5.40 | 3.75 | 1.50 | 3.75 | 1.35 | 0.60 | | |
| 8 | 2.03 | 2.63 | 3.90 | 3.90 | 3.00 | 5.70 | 4.65 | 3.60 | 1.13 | 2.93 | 1.35 | 0.53 | | |
| 9 | 1.95 | 2.78 | 3.00 | 4.50 | 2.48 | 4.50 | 4.35 | 3.60 | 2.33 | 2.48 | 1.28 | 0.45 | | |
| 10 | 1.95 | 2.18 | 2.25 | 3.15 | 2.25 | 4.35 | 4.50 | 6.60 | 2.18 | 9.40 | 1.28 | 0.45 | | |
| 11 | 1.88 | 2.10 | 4.35 | 2.93 | 2.18 | 4.35 | 3.90 | 3.60 | 2.40 | 9.80 | 1.20 | 0.38 | | |
| 12 | 2.40 | 2.93 | 4.50 | 6.20 | 2.25 | 6.00 | 2.93 | 4.50 | 3.60 | 8.80 | 1.20 | 0.38 | | |
| 13 | 2.63 | 2.10 | 4.35 | 7.80 | 2.25 | 4.65 | 4.05 | 4.20 | 2.63 | 4.65 | 1.13 | 0.30 | | |
| 14 | 2.18 | 4.35 | 4.20 | 12.00 | 2.33 | 6.00 | 7.40 | 4.20 | 2.48 | 3.30 | 1.13 | 0.30 | | |
| 15 | 2.33 | 4.20 | 4.50 | 11.25 | 3.00 | 5.10 | 5.70 | 6.00 | 2.33 | 2.93 | 1.13 | 0.30 | | |
| 16 | 2.25 | 4.35 | 3.00 | 10.00 | 9.20 | 4.95 | 5.70 | 5.70 | 6.60 | 2.70 | 1.05 | 0.23 | | |
| 17 | 2.18 | 4.65 | 4.20 | 6.60 | 6.60 | 4.20 | 5.55 | 5.10 | 26.20 | 2.78 | 1.05 | 0.23 | | |
| 18 | 2.10 | 9.80 | 4.05 | 5.85 | 8.40 | 4.35 | 4.05 | 4.50 | 16.38 | 3.00 | 1.05 | 0.23 | | |
| 19 | 2.10 | 14.25 | 3.00 | 4.65 | 13.00 | 3.00 | 2.85 | 4.35 | 7.20 | 2.55 | 0.98 | 0.15 | | |
| 20 | 2.03 | 18.58 | 3.90 | 4.35 | 8.40 | 2.78 | 5.25 | 4.05 | 4.65 | 3.30 | 0.98 | 0.30 | | |
| 21 | 1.95 | 11.75 | 4.05 | 4.50 | 5.55 | 2.33 | 9.60 | 3.00 | 3.60 | 2.63 | 0.98 | 1.65 | | |
| 22 | 2.33 | 7.80 | 5.25 | 4.35 | 4.50 | 2.25 | 6.00 | 2.55 | 2.55 | 2.33 | 0.98 | 1.20 | | |
| 23 | 2.48 | 14.75 | 4.95 | 2.93 | 3.00 | 2.03 | 5.55 | 2.48 | 4.65 | 2.25 | 0.98 | 0.90 | | |
| 24 | 4.50 | 15.00 | 5.25 | 4.35 | 3.00 | 3.00 | 9.20 | 2.48 | 4.50 | 2.25 | 0.98 | 0.75 | | |
| 25 | 2.03 | 14.00 | 4.05 | 2.93 | 2.85 | 2.25 | 10.50 | 2.10 | 3.60 | 2.18 | 0.90 | 1.20 | | |
| 26 | 6.20 | 10.00 | 9.60 | 3.00 | 2.85 | 2.25 | 7.80 | 2.03 | 2.93 | 1.95 | 0.90 | 0.90 | | |
| 27 | 2.48 | 9.20 | 5.55 | 2.93 | 1.88 | 3.45 | 5.85 | 1.95 | 2.25 | 1.88 | 0.90 | 2.40 | | |
| 28 | 2.10 | 7.20 | 4.35 | 3.00 | 2.25 | 3.75 | 3.45 | 1.95 | 3.90 | 1.88 | 0.83 | 0.98 | | |
| 29 | 2.10 | 8.00 | 3.90 | 2.93 | 2.10 | 4.50 | 4.05 | 1.95 | 2.78 | 1.80 | | 0.60 | | |
| 30 | 2.10 | 7.00 | 3.75 | 2.25 | 2.85 | 5.85 | 2.85 | 1.95 | 4.20 | 1.73 | | 0.53 | | |
| 31 | | 6.40 | | 2.40 | 2.93 | | 2.78 | | 3.15 | 1.65 | | 0.53 | | |
| Total | 72.94 | 202.45 | 123.90 | 146.88 | 119.20 | 113.50 | 173.06 | 114.43 | 130.76 | 98.56 | 32.62 | 20.76 | 1349.06 | CMSDAY |
| Mean | 2.43 | 6.53 | 4.13 | 4.74 | 3.85 | 3.78 | 5.58 | 3.81 | 4.22 | 3.18 | 1.16 | 0.67 | 3.70 | CMS |
| Max | 6.20 | 18.58 | 9.60 | 12.00 | 13.00 | 6.00 | 10.50 | 10.00 | 26.20 | 9.80 | 1.58 | 2.40 | 26.20 | CMS |
| Min | 1.88 | 1.88 | 2.25 | 2.25 | 1.88 | 2.03 | 2.78 | 1.95 | 1.13 | 1.65 | 0.83 | 0.15 | 0.15 | CMS |
| Runoff | 6.30 | 17.49 | 10.70 | 12.69 | 10.30 | 9.81 | 14.95 | 9.89 | 11.30 | 8.52 | 2.82 | 1.79 | 116.56 | MCM |

Momentary Peak 76.57 CMS, at 53.43 m. (MSL.), at 12.00 Hours, on Dec 17, 2006

Runoff Yield 157.57 Liters/Second/Square KM. Momentary Peak Yield 3264.27 Liters/Second/Square KM.

## WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Tha Pho , Nakhon Si Thammarat (X.195)

Lat 08 - 30 - 24 N Long 99 - 30 - 39 E

**Location : on left bank at Ban Tha Pho.**

**Ban** Tha Pho **Amphoe** Chawang **Changwat** Nakhon Si Thammar

| | |
|---|---|
| **Drainge Area** | 488 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the top staff gage. **Elevation** +40.509 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1998 - 2006, 2011 to date |
| **Rating Operation** | |
| **Period of Rating** | 1998 - 2006, 2011 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1998 - 2006, 2011 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 26 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

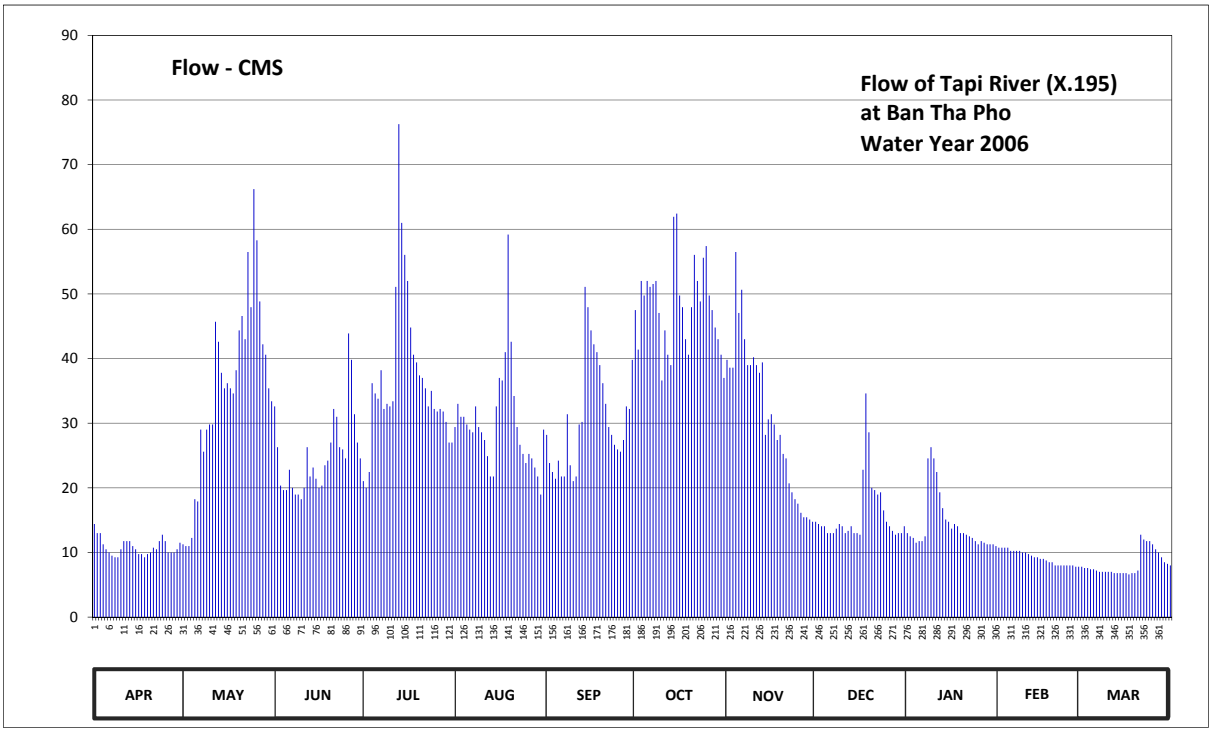
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.84 | 33.73 | 34.34 | 34.03 | 34.26 | 34.23 | 34.70 | 34.52 | 33.85 | 33.80 | 33.71 | 33.59 | |
| 2 | 33.80 | 33.72 | 34.18 | 34.00 | 34.35 | 34.11 | 34.56 | 34.49 | 33.84 | 33.78 | 33.71 | 33.58 | |
| 3 | 33.80 | 33.72 | 34.01 | 34.07 | 34.30 | 34.07 | 34.80 | 34.49 | 33.83 | 33.77 | 33.71 | 33.58 | |
| 4 | 33.73 | 33.77 | 33.99 | 34.43 | 34.30 | 34.04 | 34.75 | 34.90 | 33.83 | 33.74 | 33.71 | 33.57 | |
| 5 | 33.70 | 33.95 | 33.99 | 34.39 | 34.27 | 34.12 | 34.80 | 34.69 | 33.80 | 33.75 | 33.69 | 33.57 | |
| 6 | 33.68 | 33.94 | 34.08 | 34.37 | 34.25 | 34.05 | 34.78 | 34.77 | 33.80 | 33.75 | 33.69 | 33.56 | |
| 7 | 33.66 | 34.25 | 34.00 | 34.48 | 34.24 | 34.05 | 34.79 | 34.60 | 33.80 | 33.78 | 33.69 | 33.55 | |
| 8 | 33.65 | 34.16 | 33.97 | 34.33 | 34.34 | 34.31 | 34.80 | 34.50 | 33.82 | 34.13 | 33.69 | 33.55 | |
| 9 | 33.65 | 34.25 | 33.97 | 34.35 | 34.26 | 34.10 | 34.69 | 34.50 | 33.84 | 34.18 | 33.68 | 33.55 | |
| 10 | 33.70 | 34.27 | 33.95 | 34.34 | 34.24 | 34.03 | 34.44 | 34.53 | 33.83 | 34.13 | 33.68 | 33.55 | |
| 11 | 33.75 | 34.27 | 34.00 | 34.36 | 34.21 | 34.05 | 34.63 | 34.50 | 33.80 | 34.07 | 33.67 | 33.55 | |
| 12 | 33.75 | 34.66 | 34.18 | 34.78 | 34.14 | 34.27 | 34.54 | 34.47 | 33.81 | 33.98 | 33.66 | 33.54 | |
| 13 | 33.75 | 34.59 | 34.05 | 35.31 | 34.05 | 34.28 | 34.50 | 34.51 | 33.83 | 33.91 | 33.65 | 33.54 | |
| 14 | 33.72 | 34.47 | 34.09 | 35.00 | 34.05 | 34.78 | 35.02 | 34.23 | 33.80 | 33.86 | 33.65 | 33.54 | |
| 15 | 33.70 | 34.41 | 34.04 | 34.89 | 34.34 | 34.71 | 35.03 | 34.29 | 33.80 | 33.85 | 33.64 | 33.54 | |
| 16 | 33.67 | 34.43 | 34.00 | 34.80 | 34.45 | 34.63 | 34.75 | 34.31 | 33.79 | 33.82 | 33.64 | 33.54 | |
| 17 | 33.67 | 34.41 | 34.01 | 34.64 | 34.44 | 34.58 | 34.71 | 34.27 | 34.08 | 33.84 | 33.63 | 33.53 | |
| 18 | 33.65 | 34.39 | 34.10 | 34.54 | 34.55 | 34.55 | 34.60 | 34.21 | 34.39 | 33.83 | 33.62 | 33.54 | |
| 19 | 33.67 | 34.48 | 34.12 | 34.51 | 34.96 | 34.50 | 34.54 | 34.23 | 34.24 | 33.80 | 33.62 | 33.54 | |
| 20 | 33.68 | 34.63 | 34.20 | 34.46 | 34.59 | 34.43 | 34.71 | 34.15 | 34.00 | 33.80 | 33.60 | 33.56 | |
| 21 | 33.71 | 34.68 | 34.33 | 34.45 | 34.38 | 34.35 | 34.89 | 34.13 | 33.99 | 33.79 | 33.60 | 33.79 | |
| 22 | 33.70 | 34.60 | 34.30 | 34.41 | 34.26 | 34.26 | 34.80 | 34.02 | 33.97 | 33.78 | 33.60 | 33.76 | |
| 23 | 33.75 | 34.90 | 34.18 | 34.34 | 34.19 | 34.23 | 34.73 | 33.98 | 33.98 | 33.77 | 33.60 | 33.75 | |
| 24 | 33.79 | 34.71 | 34.17 | 34.40 | 34.15 | 34.19 | 34.88 | 33.95 | 33.90 | 33.75 | 33.60 | 33.75 | |
| 25 | 33.75 | 35.11 | 34.13 | 34.33 | 34.11 | 34.17 | 34.92 | 33.93 | 33.85 | 33.73 | 33.60 | 33.73 | |
| 26 | 33.68 | 34.94 | 34.62 | 34.32 | 34.15 | 34.16 | 34.75 | 33.89 | 33.83 | 33.75 | 33.60 | 33.70 | |
| 27 | 33.68 | 34.73 | 34.52 | 34.33 | 34.13 | 34.21 | 34.70 | 33.87 | 33.81 | 33.74 | 33.59 | 33.68 | |
| 28 | 33.68 | 34.58 | 34.31 | 34.32 | 34.09 | 34.34 | 34.64 | 33.87 | 33.79 | 33.73 | 33.59 | 33.65 | |
| 29 | 33.70 | 34.54 | 34.20 | 34.28 | 34.05 | 34.33 | 34.60 | 33.86 | 33.80 | 33.73 | | 33.62 | |
| 30 | 33.74 | 34.41 | 34.13 | 34.20 | 33.97 | 34.52 | 34.54 | 33.85 | 33.80 | 33.73 | | 33.61 | |
| 31 | | 34.36 | | 34.20 | 34.25 | | 34.45 | | 33.83 | 33.72 | | 33.60 | |
| Mean | 33.71 | 34.39 | 34.14 | 34.44 | 34.27 | 34.29 | 34.71 | 34.28 | 33.88 | 33.83 | 33.65 | 33.60 | |
| Max | 33.84 | 35.11 | 34.62 | 35.31 | 34.96 | 34.78 | 35.03 | 34.90 | 34.39 | 34.18 | 33.71 | 33.79 | 35.31 |
| Min | 33.65 | 33.72 | 33.95 | 34.00 | 33.97 | 34.03 | 34.44 | 33.85 | 33.79 | 33.72 | 33.59 | 33.53 | 33.53 |

Annual Max Momentary Gage Height 35.37 m. (MSL.) , at 06.00 Hours , on Jul 13, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 32.37 m. (MSL.)

Left Bank Elevation 40.91 m. (MSL.) ,

Right Bank Elevation 40.90 m. (MSL.) , Drainage Are 488 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.40 | 11.25 | 32.60 | 21.05 | 29.40 | 28.20 | 47.50 | 39.80 | 14.75 | 13.00 | 10.75 | 7.80 | | |
| 2 | 13.00 | 11.00 | 26.30 | 20.00 | 33.00 | 23.85 | 41.40 | 38.60 | 14.40 | 12.50 | 10.75 | 7.60 | | |
| 3 | 13.00 | 11.00 | 20.35 | 22.45 | 31.00 | 22.45 | 52.00 | 38.60 | 14.05 | 12.25 | 10.75 | 7.60 | | |
| 4 | 11.25 | 12.25 | 19.65 | 36.20 | 31.00 | 21.40 | 49.75 | 56.50 | 14.05 | 11.50 | 10.75 | 7.40 | | |
| 5 | 10.50 | 18.25 | 19.65 | 34.60 | 29.80 | 24.20 | 52.00 | 47.05 | 13.00 | 11.75 | 10.25 | 7.40 | | |
| 6 | 10.00 | 17.90 | 22.80 | 33.80 | 29.00 | 21.75 | 51.10 | 50.65 | 13.00 | 11.75 | 10.25 | 7.20 | | |
| 7 | 9.50 | 29.00 | 20.00 | 38.20 | 28.60 | 21.75 | 51.55 | 43.00 | 13.00 | 12.50 | 10.25 | 7.00 | | |
| 8 | 9.25 | 25.60 | 18.95 | 32.20 | 32.60 | 31.40 | 52.00 | 39.00 | 13.70 | 24.55 | 10.25 | 7.00 | | |
| 9 | 9.25 | 29.00 | 18.95 | 33.00 | 29.40 | 23.50 | 47.05 | 39.00 | 14.40 | 26.30 | 10.00 | 7.00 | | |
| 10 | 10.50 | 29.80 | 18.25 | 32.60 | 28.60 | 21.05 | 36.60 | 40.20 | 14.05 | 24.55 | 10.00 | 7.00 | | |
| 11 | 11.75 | 29.80 | 20.00 | 33.40 | 27.40 | 21.75 | 44.35 | 39.00 | 13.00 | 22.45 | 9.75 | 7.00 | | |
| 12 | 11.75 | 45.70 | 26.30 | 51.10 | 24.90 | 29.80 | 40.60 | 37.80 | 13.35 | 19.30 | 9.50 | 6.80 | | |
| 13 | 11.75 | 42.60 | 21.75 | 76.28 | 21.75 | 30.20 | 39.00 | 39.40 | 14.05 | 16.85 | 9.25 | 6.80 | | |
| 14 | 11.00 | 37.80 | 23.15 | 61.00 | 21.75 | 51.10 | 61.95 | 28.20 | 13.00 | 15.10 | 9.25 | 6.80 | | |
| 15 | 10.50 | 35.40 | 21.40 | 56.05 | 32.60 | 47.95 | 62.43 | 30.60 | 13.00 | 14.75 | 9.00 | 6.80 | | |
| 16 | 9.75 | 36.20 | 20.00 | 52.00 | 37.00 | 44.35 | 49.75 | 31.40 | 12.75 | 13.70 | 9.00 | 6.80 | | |
| 17 | 9.75 | 35.40 | 20.35 | 44.80 | 36.60 | 42.20 | 47.95 | 29.80 | 22.80 | 14.40 | 8.75 | 6.60 | | |
| 18 | 9.25 | 34.60 | 23.50 | 40.60 | 41.00 | 41.00 | 43.00 | 27.40 | 34.60 | 14.05 | 8.50 | 6.80 | | |
| 19 | 9.75 | 38.20 | 24.20 | 39.40 | 59.20 | 39.00 | 40.60 | 28.20 | 28.60 | 13.00 | 8.50 | 6.80 | | |
| 20 | 10.00 | 44.35 | 27.00 | 37.40 | 42.60 | 36.20 | 47.95 | 25.25 | 20.00 | 13.00 | 8.00 | 7.20 | | |
| 21 | 10.75 | 46.60 | 32.20 | 37.00 | 34.20 | 33.00 | 56.05 | 24.55 | 19.65 | 12.75 | 8.00 | 12.75 | | |
| 22 | 10.50 | 43.00 | 31.00 | 35.40 | 29.40 | 29.40 | 52.00 | 20.70 | 18.95 | 12.50 | 8.00 | 12.00 | | |
| 23 | 11.75 | 56.50 | 26.30 | 32.60 | 26.65 | 28.20 | 48.85 | 19.30 | 19.30 | 12.25 | 8.00 | 11.75 | | |
| 24 | 12.75 | 47.95 | 25.95 | 35.00 | 25.25 | 26.65 | 55.60 | 18.25 | 16.50 | 11.75 | 8.00 | 11.75 | | |
| 25 | 11.75 | 66.23 | 24.55 | 32.20 | 23.85 | 25.95 | 57.40 | 17.55 | 14.75 | 11.25 | 8.00 | 11.25 | | |
| 26 | 10.00 | 58.30 | 43.90 | 31.80 | 25.25 | 25.60 | 49.75 | 16.15 | 14.05 | 11.75 | 8.00 | 10.50 | | |
| 27 | 10.00 | 48.85 | 39.80 | 32.20 | 24.55 | 27.40 | 47.50 | 15.45 | 13.35 | 11.50 | 7.80 | 10.00 | | |
| 28 | 10.00 | 42.20 | 31.40 | 31.80 | 23.15 | 32.60 | 44.80 | 15.45 | 12.75 | 11.25 | 7.80 | 9.25 | | |
| 29 | 10.50 | 40.60 | 27.00 | 30.20 | 21.75 | 32.20 | 43.00 | 15.10 | 13.00 | 11.25 | | 8.50 | | |
| 30 | 11.50 | 35.40 | 24.55 | 27.00 | 18.95 | 39.80 | 40.60 | 14.75 | 13.00 | 11.25 | | 8.25 | | |
| 31 | | 33.40 | | 27.00 | 29.00 | | 37.00 | | 14.05 | 11.00 | | 8.00 | | |
| Total | 325.40 | 1094.13 | 751.80 | 1148.33 | 929.20 | 923.90 | 1491.08 | 926.70 | 492.90 | 445.75 | 257.10 | 255.40 | 9041.69 | CMSDAY |
| Mean | 10.85 | 35.29 | 25.06 | 37.04 | 29.97 | 30.80 | 48.10 | 30.89 | 15.90 | 14.38 | 9.18 | 8.24 | 24.77 | CMS |
| Max | 14.40 | 66.23 | 43.90 | 76.28 | 59.20 | 51.10 | 62.43 | 56.50 | 34.60 | 26.30 | 10.75 | 12.75 | 76.28 | CMS |
| Min | 9.25 | 11.00 | 18.25 | 20.00 | 18.95 | 21.05 | 36.60 | 14.75 | 12.75 | 11.00 | 7.80 | 6.60 | 6.60 | CMS |
| Runoff | 28.11 | 94.53 | 64.96 | 99.22 | 80.28 | 79.82 | 128.83 | 80.07 | 42.59 | 38.51 | 22.21 | 22.07 | 781.20 | MCM |

Momentary Peak 79.42 CMS, at 35.37 m. (MSL.), at 06.00 Hours, on Jul 13, 2006

Runoff Yield 50.76 Liters/Second/Square KM. Momentary Peak Yield 162.75 Liters/Second/Square KM.

## WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Na Khao, Nakhon Si Thammarat (X.197)

Lat 08 - 35 - 06 N Long 99 - 35 - 24 E

**Location : on left bank at Ban Na Khao.**

| | | | |
|---|---|---|---|
| | **Ban** Na Khao | **Amphoe** Phipun | **Changwat** Nakhon Si Thammar |
| **Drainge Area** | 125 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | | **Elevation** +56.014 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2005 to date. | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2005 to date. | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2005 to date. | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records poor.Stage-discharge relation defined by 16 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

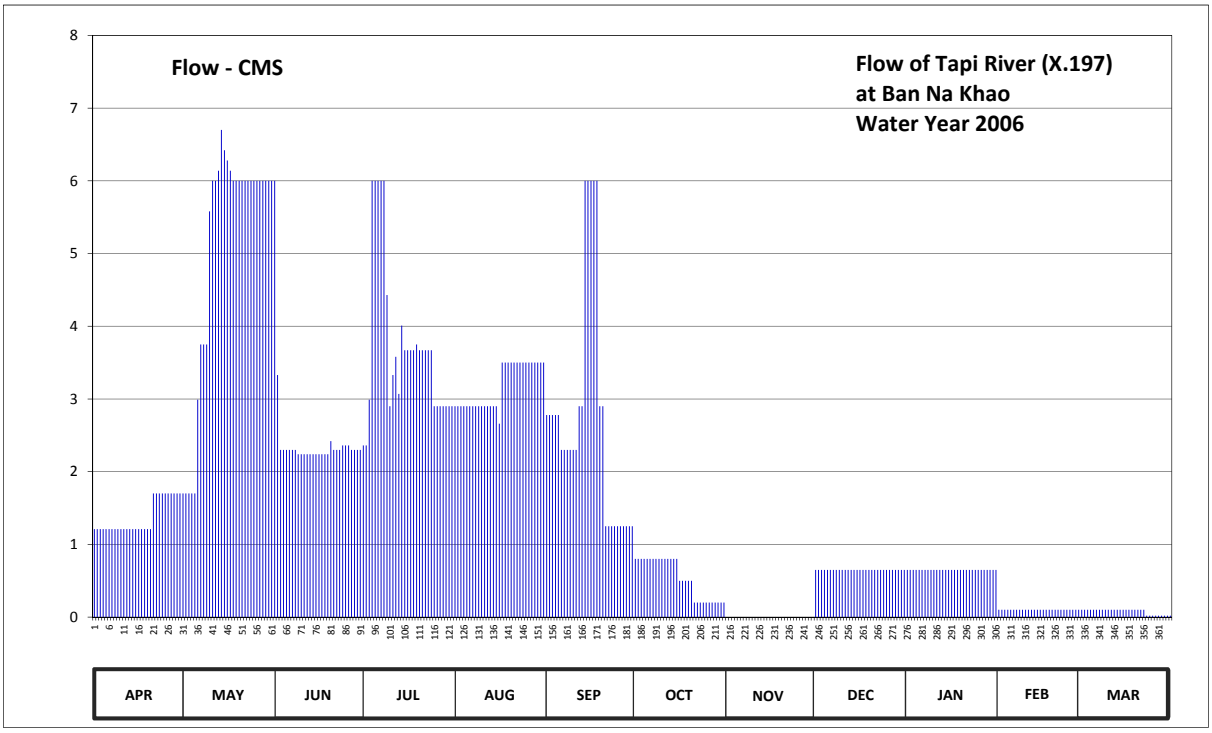
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 52.09 | 52.20 | 52.70 | 52.31 | 52.40 | 52.38 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 2 | 52.09 | 52.20 | 52.45 | 52.31 | 52.40 | 52.38 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 3 | 52.09 | 52.20 | 52.30 | 52.41 | 52.40 | 52.38 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 4 | 52.09 | 52.20 | 52.30 | 52.70 | 52.40 | 52.38 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 5 | 52.09 | 52.20 | 52.30 | 52.70 | 52.40 | 52.38 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 6 | 52.09 | 52.41 | 52.30 | 52.70 | 52.40 | 52.30 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 7 | 52.09 | 52.50 | 52.30 | 52.70 | 52.40 | 52.30 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 8 | 52.09 | 52.50 | 52.30 | 52.70 | 52.40 | 52.30 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 9 | 52.09 | 52.50 | 52.29 | 52.58 | 52.40 | 52.30 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 10 | 52.09 | 52.67 | 52.29 | 52.40 | 52.40 | 52.30 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 11 | 52.09 | 52.70 | 52.29 | 52.45 | 52.40 | 52.30 | 52.00 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 12 | 52.09 | 52.70 | 52.29 | 52.48 | 52.40 | 52.40 | 52.00 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 13 | 52.09 | 52.71 | 52.29 | 52.42 | 52.40 | 52.40 | 52.00 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 14 | 52.09 | 52.75 | 52.29 | 52.53 | 52.40 | 52.70 | 52.00 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 15 | 52.09 | 52.73 | 52.29 | 52.49 | 52.40 | 52.70 | 52.00 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 16 | 52.09 | 52.72 | 52.29 | 52.49 | 52.36 | 52.70 | 51.90 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 17 | 52.09 | 52.71 | 52.29 | 52.49 | 52.47 | 52.70 | 51.90 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 18 | 52.09 | 52.70 | 52.29 | 52.49 | 52.47 | 52.70 | 51.90 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 19 | 52.09 | 52.70 | 52.29 | 52.50 | 52.47 | 52.40 | 51.90 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 20 | 52.09 | 52.70 | 52.32 | 52.49 | 52.47 | 52.40 | 51.90 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 21 | 52.20 | 52.70 | 52.30 | 52.49 | 52.47 | 52.10 | 51.80 | 51.60 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 22 | 52.20 | 52.70 | 52.30 | 52.49 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.75 | |
| 23 | 52.20 | 52.70 | 52.30 | 52.49 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.71 | |
| 24 | 52.20 | 52.70 | 52.31 | 52.49 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.71 | |
| 25 | 52.20 | 52.70 | 52.31 | 52.40 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.71 | |
| 26 | 52.20 | 52.70 | 52.31 | 52.40 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.71 | |
| 27 | 52.20 | 52.70 | 52.30 | 52.40 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.71 | |
| 28 | 52.20 | 52.70 | 52.30 | 52.40 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.71 | |
| 29 | 52.20 | 52.70 | 52.30 | 52.40 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | | 51.71 | |
| 30 | 52.20 | 52.70 | 52.30 | 52.40 | 52.47 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | | 51.71 | |
| 31 | | 52.70 | | 52.40 | 52.47 | | 51.80 | | 51.95 | 51.95 | | 51.71 | |
| Mean | 52.13 | 52.59 | 52.32 | 52.49 | 52.43 | 52.33 | 51.91 | 51.47 | 51.95 | 51.95 | 51.75 | 51.74 | |
| Max | 52.20 | 52.75 | 52.70 | 52.70 | 52.47 | 52.70 | 52.00 | 51.65 | 51.95 | 51.95 | 51.75 | 51.75 | 52.75 |
| Min | 52.09 | 52.20 | 52.29 | 52.31 | 52.36 | 52.10 | 51.80 | 51.10 | 51.95 | 51.95 | 51.75 | 51.71 | 51.10 |

Annual Max Momentary Gage Height 52.78 m. (MSL.) , at 18.00 Hours , on May 13 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 51.49 m. (MSL.)

Left Bank Elevation 56.25 m. (MSL.) ,

Right Bank Elevation 56.35 m. (MSL.) , Drainage Are 125 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.21 | 1.70 | 6.00 | 2.36 | 2.90 | 2.78 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 2 | 1.21 | 1.70 | 3.33 | 2.36 | 2.90 | 2.78 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 3 | 1.21 | 1.70 | 2.30 | 2.99 | 2.90 | 2.78 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 4 | 1.21 | 1.70 | 2.30 | 6.00 | 2.90 | 2.78 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 5 | 1.21 | 1.70 | 2.30 | 6.00 | 2.90 | 2.78 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 6 | 1.21 | 2.99 | 2.30 | 6.00 | 2.90 | 2.30 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 7 | 1.21 | 3.75 | 2.30 | 6.00 | 2.90 | 2.30 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 8 | 1.21 | 3.75 | 2.30 | 6.00 | 2.90 | 2.30 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 9 | 1.21 | 3.75 | 2.24 | 4.43 | 2.90 | 2.30 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 10 | 1.21 | 5.58 | 2.24 | 2.90 | 2.90 | 2.30 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 11 | 1.21 | 6.00 | 2.24 | 3.33 | 2.90 | 2.30 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 12 | 1.21 | 6.00 | 2.24 | 3.58 | 2.90 | 2.90 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 13 | 1.21 | 6.14 | 2.24 | 3.07 | 2.90 | 2.90 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 14 | 1.21 | 6.70 | 2.24 | 4.01 | 2.90 | 6.00 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 15 | 1.21 | 6.42 | 2.24 | 3.67 | 2.90 | 6.00 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 16 | 1.21 | 6.28 | 2.24 | 3.67 | 2.66 | 6.00 | 0.50 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 17 | 1.21 | 6.14 | 2.24 | 3.67 | 3.50 | 6.00 | 0.50 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 18 | 1.21 | 6.00 | 2.24 | 3.67 | 3.50 | 6.00 | 0.50 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 19 | 1.21 | 6.00 | 2.24 | 3.75 | 3.50 | 2.90 | 0.50 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 20 | 1.21 | 6.00 | 2.42 | 3.67 | 3.50 | 2.90 | 0.50 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 21 | 1.70 | 6.00 | 2.30 | 3.67 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 22 | 1.70 | 6.00 | 2.30 | 3.67 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | | |
| 23 | 1.70 | 6.00 | 2.30 | 3.67 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.02 | | |
| 24 | 1.70 | 6.00 | 2.36 | 3.67 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.02 | | |
| 25 | 1.70 | 6.00 | 2.36 | 2.90 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.02 | | |
| 26 | 1.70 | 6.00 | 2.36 | 2.90 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.02 | | |
| 27 | 1.70 | 6.00 | 2.30 | 2.90 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.02 | | |
| 28 | 1.70 | 6.00 | 2.30 | 2.90 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.02 | | |
| 29 | 1.70 | 6.00 | 2.30 | 2.90 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | | 0.02 | | |
| 30 | 1.70 | 6.00 | 2.30 | 2.90 | 3.50 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | | 0.02 | | |
| 31 | | 6.00 | | 2.90 | 3.50 | | 0.20 | | 0.65 | 0.65 | | 0.02 | | |
| Total | 41.20 | 156.00 | 73.37 | 116.11 | 98.66 | 81.80 | 16.70 | 0.00 | 20.15 | 20.15 | 2.80 | 2.38 | 629.32 | CMSDAY |
| Mean | 1.37 | 5.03 | 2.45 | 3.75 | 3.18 | 2.73 | 0.54 | 0.00 | 0.65 | 0.65 | 0.10 | 0.08 | 1.72 | CMS |
| Max | 1.70 | 6.70 | 6.00 | 6.00 | 3.50 | 6.00 | 0.80 | 0.00 | 0.65 | 0.65 | 0.10 | 0.10 | 6.70 | CMS |
| Min | 1.21 | 1.70 | 2.24 | 2.36 | 2.66 | 1.25 | 0.20 | 0.00 | 0.65 | 0.65 | 0.10 | 0.02 | 0.00 | CMS |
| Runoff | 3.56 | 13.48 | 6.34 | 10.03 | 8.52 | 7.07 | 1.44 | 0.00 | 1.74 | 1.74 | 0.24 | 0.21 | 54.37 | MCM |

Momentary Peak 7.12 CMS, at 52.78 m. (MSL.), at 18.00 Hours, on May 13, 2006

Runoff Yield 13.74 Liters/Second/Square KM. Momentary Peak Yield 56.72 Liters/Second/Square KM.

## WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Khian Sa , Surat Thani (X.217)

Lat 08 - 50 - 54 N Long 99 - 12 - 03 E

**Location : on left bank at Ban Khian Sa.**

| | | | |
|---|---|---|---|
| | **Ban** Khian Sa | **Amphoe** Khian Sa | **Changwat** Surat Thani |
| **Drainge Area** | 6,697 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the abutment of the bridge. | **Elevation** | +9.801 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 29 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

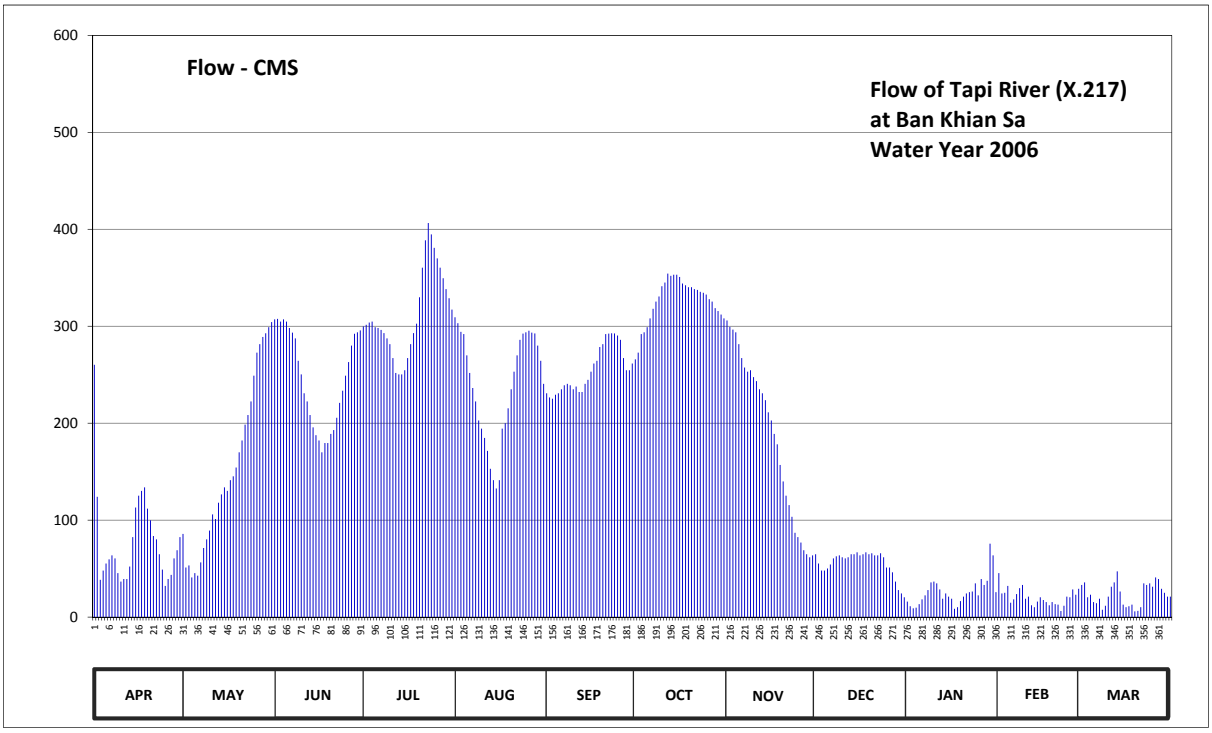
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.48 | 1.15 | 3.11 | 2.97 | 3.15 | 2.27 | 2.52 | 3.09 | 0.96 | 0.38 | 0.77 | 0.63 | |
| 2 | 1.47 | 0.83 | 3.12 | 3.01 | 3.04 | 2.24 | 2.57 | 2.96 | 0.87 | 0.29 | 0.51 | 0.66 | |
| 3 | 0.69 | 0.85 | 3.07 | 3.05 | 2.83 | 2.23 | 2.70 | 2.89 | 0.80 | 0.25 | 0.52 | 0.45 | |
| 4 | 0.80 | 0.72 | 3.11 | 3.07 | 2.70 | 2.26 | 2.82 | 2.82 | 0.80 | 0.26 | 0.62 | 0.49 | |
| 5 | 0.87 | 0.77 | 3.07 | 2.95 | 2.55 | 2.27 | 2.95 | 2.63 | 0.82 | 0.33 | 0.36 | 0.37 | |
| 6 | 0.91 | 0.74 | 2.93 | 2.93 | 2.42 | 2.30 | 3.13 | 2.53 | 0.86 | 0.42 | 0.42 | 0.35 | |
| 7 | 0.95 | 0.88 | 2.81 | 2.88 | 2.31 | 2.33 | 3.28 | 2.46 | 0.92 | 0.48 | 0.50 | 0.43 | |
| 8 | 0.92 | 1.02 | 2.67 | 2.79 | 2.21 | 2.34 | 3.38 | 2.43 | 0.94 | 0.56 | 0.59 | 0.22 | |
| 9 | 0.77 | 1.10 | 2.51 | 2.67 | 2.07 | 2.33 | 3.44 | 2.44 | 0.95 | 0.66 | 0.63 | 0.30 | |
| 10 | 0.67 | 1.18 | 2.41 | 2.63 | 2.01 | 2.30 | 3.55 | 2.39 | 0.93 | 0.67 | 0.43 | 0.46 | |
| 11 | 0.70 | 1.32 | 2.27 | 2.53 | 1.94 | 2.32 | 3.59 | 2.36 | 0.92 | 0.65 | 0.46 | 0.61 | |
| 12 | 0.70 | 1.28 | 2.21 | 2.42 | 1.84 | 2.28 | 3.67 | 2.30 | 0.93 | 0.57 | 0.31 | 0.66 | |
| 13 | 0.84 | 1.42 | 2.11 | 2.41 | 1.70 | 2.28 | 3.65 | 2.27 | 0.96 | 0.43 | 0.27 | 0.79 | |
| 14 | 1.12 | 1.49 | 2.02 | 2.41 | 1.61 | 2.34 | 3.66 | 2.22 | 0.96 | 0.51 | 0.38 | 0.54 | |
| 15 | 1.38 | 1.55 | 1.96 | 2.44 | 1.54 | 2.37 | 3.66 | 2.13 | 0.98 | 0.46 | 0.45 | 0.32 | |
| 16 | 1.48 | 1.52 | 1.92 | 2.53 | 1.61 | 2.43 | 3.64 | 2.07 | 0.95 | 0.43 | 0.41 | 0.27 | |
| 17 | 1.52 | 1.61 | 1.83 | 2.63 | 2.01 | 2.49 | 3.58 | 1.97 | 0.96 | 0.24 | 0.37 | 0.29 | |
| 18 | 1.55 | 1.64 | 1.90 | 2.80 | 2.05 | 2.51 | 3.56 | 1.89 | 0.98 | 0.27 | 0.31 | 0.32 | |
| 19 | 1.37 | 1.71 | 1.90 | 3.03 | 2.16 | 2.61 | 3.54 | 1.73 | 0.96 | 0.39 | 0.37 | 0.18 | |
| 20 | 1.27 | 1.83 | 1.97 | 3.43 | 2.30 | 2.63 | 3.54 | 1.60 | 0.97 | 0.46 | 0.33 | 0.20 | |
| 21 | 1.13 | 1.92 | 2.00 | 3.72 | 2.43 | 2.70 | 3.52 | 1.48 | 0.95 | 0.51 | 0.32 | 0.27 | |
| 22 | 1.10 | 2.04 | 2.09 | 3.92 | 2.55 | 2.74 | 3.51 | 1.40 | 0.95 | 0.53 | 0.19 | 0.65 | |
| 23 | 0.96 | 2.11 | 2.20 | 4.03 | 2.66 | 2.77 | 3.49 | 1.30 | 0.97 | 0.54 | 0.30 | 0.63 | |
| 24 | 0.81 | 2.21 | 2.29 | 3.96 | 2.75 | 2.76 | 3.48 | 1.16 | 0.93 | 0.65 | 0.46 | 0.65 | |
| 25 | 0.62 | 2.40 | 2.40 | 3.87 | 2.82 | 2.69 | 3.46 | 1.12 | 0.83 | 0.48 | 0.45 | 0.61 | |
| 26 | 0.70 | 2.57 | 2.50 | 3.80 | 2.86 | 2.66 | 3.41 | 1.07 | 0.83 | 0.70 | 0.57 | 0.72 | |
| 27 | 0.75 | 2.63 | 2.62 | 3.72 | 2.81 | 2.53 | 3.38 | 1.00 | 0.78 | 0.63 | 0.49 | 0.70 | |
| 28 | 0.92 | 2.68 | 2.73 | 3.63 | 2.76 | 2.44 | 3.29 | 0.96 | 0.67 | 0.68 | 0.58 | 0.58 | |
| 29 | 1.00 | 2.77 | 2.82 | 3.52 | 2.62 | 2.44 | 3.25 | 0.93 | 0.56 | 1.06 | | 0.52 | |
| 30 | 1.12 | 2.95 | 2.87 | 3.42 | 2.51 | 2.49 | 3.20 | 0.95 | 0.51 | 0.95 | | 0.46 | |
| 31 | | 3.06 | | 3.27 | 2.34 | | 3.13 | | 0.45 | 0.53 | | 0.46 | |
| Mean | 1.05 | 1.68 | 2.45 | 3.11 | 2.36 | 2.44 | 3.34 | 1.95 | 0.87 | 0.52 | 0.44 | 0.48 | |
| Max | 2.48 | 3.06 | 3.12 | 4.03 | 3.15 | 2.77 | 3.67 | 3.09 | 0.98 | 1.06 | 0.77 | 0.79 | 4.03 |
| Min | 0.62 | 0.72 | 1.83 | 2.41 | 1.54 | 2.23 | 2.52 | 0.93 | 0.45 | 0.24 | 0.19 | 0.18 | 0.18 |

Annual Max Momentary Gage Height 4.07 m. (MSL.) , at 18.00 Hours , on Jul 23, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 0.00 m. (MSL.)

Left Bank Elevation 9.94 m. (MSL.) ,

Right Bank Elevation 9.91 m. (MSL.) , Drainage Are 6,697 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 260.20 | 85.88 | 307.05 | 299.80 | 309.25 | 230.80 | 265.80 | 305.95 | 64.80 | 15.95 | 45.38 | 33.13 | | |
| 2 | 124.08 | 51.15 | 307.60 | 301.55 | 303.20 | 226.60 | 272.80 | 299.40 | 55.35 | 11.23 | 24.43 | 35.75 | | |
| 3 | 38.38 | 53.25 | 304.85 | 303.75 | 294.20 | 225.20 | 292.00 | 296.60 | 48.00 | 9.13 | 25.10 | 20.38 | | |
| 4 | 48.00 | 41.00 | 307.05 | 304.85 | 292.00 | 229.40 | 293.80 | 293.80 | 48.00 | 9.65 | 32.25 | 23.08 | | |
| 5 | 55.35 | 45.38 | 304.85 | 299.00 | 270.00 | 230.80 | 299.00 | 281.50 | 50.10 | 13.33 | 14.90 | 15.43 | | |
| 6 | 59.55 | 42.75 | 298.20 | 298.20 | 251.80 | 235.00 | 308.15 | 267.20 | 54.30 | 18.35 | 18.35 | 14.38 | | |
| 7 | 63.75 | 56.40 | 293.40 | 296.20 | 236.40 | 239.20 | 318.00 | 257.40 | 60.60 | 22.40 | 23.75 | 19.03 | | |
| 8 | 60.60 | 71.25 | 287.50 | 292.90 | 222.40 | 240.60 | 325.50 | 253.20 | 62.70 | 27.80 | 29.83 | 7.55 | | |
| 9 | 45.38 | 80.25 | 264.40 | 287.50 | 202.80 | 239.20 | 330.80 | 254.60 | 63.75 | 35.75 | 33.13 | 11.75 | | |
| 10 | 36.63 | 89.25 | 250.40 | 281.50 | 194.40 | 235.00 | 341.25 | 247.60 | 61.65 | 36.63 | 19.03 | 21.05 | | |
| 11 | 39.25 | 105.90 | 230.80 | 267.20 | 184.90 | 237.80 | 345.05 | 243.40 | 60.60 | 34.88 | 21.05 | 31.38 | | |
| 12 | 39.25 | 101.10 | 222.40 | 251.80 | 171.40 | 232.20 | 354.40 | 235.00 | 61.65 | 28.48 | 12.28 | 35.75 | | |
| 13 | 52.20 | 117.95 | 208.40 | 250.40 | 153.00 | 232.20 | 352.00 | 230.80 | 64.80 | 19.03 | 10.18 | 47.13 | | |
| 14 | 82.50 | 126.53 | 195.80 | 250.40 | 141.30 | 240.60 | 353.20 | 223.80 | 64.80 | 24.43 | 15.95 | 26.45 | | |
| 15 | 113.10 | 133.88 | 187.60 | 254.60 | 132.65 | 244.80 | 353.20 | 211.20 | 66.90 | 21.05 | 20.38 | 12.80 | | |
| 16 | 125.30 | 130.20 | 182.20 | 267.20 | 141.30 | 253.20 | 350.80 | 202.80 | 63.75 | 19.03 | 17.68 | 10.18 | | |
| 17 | 130.20 | 141.30 | 170.05 | 281.50 | 194.40 | 261.60 | 344.10 | 188.95 | 64.80 | 8.60 | 15.43 | 11.23 | | |
| 18 | 133.88 | 145.20 | 179.50 | 293.00 | 200.00 | 264.40 | 342.20 | 178.15 | 66.90 | 10.18 | 12.28 | 12.80 | | |
| 19 | 111.90 | 154.30 | 179.50 | 302.65 | 215.40 | 278.50 | 340.30 | 156.90 | 64.80 | 16.48 | 15.43 | 5.85 | | |
| 20 | 99.90 | 170.05 | 188.95 | 329.85 | 235.00 | 281.50 | 340.30 | 140.00 | 65.85 | 21.05 | 13.33 | 6.50 | | |
| 21 | 83.63 | 182.20 | 193.00 | 360.40 | 253.20 | 292.00 | 338.40 | 125.30 | 63.75 | 24.43 | 12.80 | 10.18 | | |
| 22 | 80.25 | 198.60 | 205.60 | 388.60 | 270.00 | 292.40 | 337.45 | 115.50 | 63.75 | 25.78 | 6.18 | 34.88 | | |
| 23 | 64.80 | 208.40 | 221.00 | 406.40 | 286.00 | 292.70 | 335.55 | 103.50 | 65.85 | 26.45 | 11.75 | 33.13 | | |
| 24 | 49.05 | 222.40 | 233.60 | 394.80 | 292.50 | 292.60 | 334.60 | 87.00 | 61.65 | 34.88 | 21.05 | 34.88 | | |
| 25 | 32.25 | 249.00 | 249.00 | 380.85 | 293.80 | 290.50 | 332.70 | 82.50 | 51.15 | 22.40 | 20.38 | 31.38 | | |
| 26 | 39.25 | 272.80 | 263.00 | 370.00 | 295.40 | 286.00 | 327.95 | 76.88 | 51.15 | 39.25 | 28.48 | 41.00 | | |
| 27 | 43.63 | 281.50 | 280.00 | 360.40 | 293.40 | 267.20 | 325.50 | 69.00 | 46.25 | 33.13 | 23.08 | 39.25 | | |
| 28 | 60.60 | 289.00 | 292.30 | 349.60 | 292.60 | 254.60 | 318.75 | 64.80 | 36.63 | 37.50 | 29.15 | 29.15 | | |
| 29 | 69.00 | 292.70 | 293.80 | 338.40 | 280.00 | 254.60 | 315.75 | 61.65 | 27.80 | 75.75 | | 25.10 | | |
| 30 | 82.50 | 299.00 | 295.80 | 328.90 | 264.40 | 261.60 | 312.00 | 63.75 | 24.43 | 63.75 | | 21.05 | | |
| 31 | | 304.30 | | 317.25 | 240.60 | | 308.15 | | 20.38 | 25.78 | | 21.05 | | |
| Total | 2324.36 | 4742.87 | 7397.60 | 9709.45 | 7407.70 | 7642.80 | 10109.45 | 5618.13 | 1726.89 | 812.53 | 573.01 | 722.65 | 58787.44 | CMSDAY |
| Mean | 77.48 | 153.00 | 246.59 | 313.21 | 238.96 | 254.76 | 326.11 | 187.27 | 55.71 | 26.21 | 20.46 | 23.31 | 161.06 | CMS |
| Max | 260.20 | 304.30 | 307.60 | 406.40 | 309.25 | 292.70 | 354.40 | 305.95 | 66.90 | 75.75 | 45.38 | 47.13 | 406.40 | CMS |
| Min | 32.25 | 41.00 | 170.05 | 250.40 | 132.65 | 225.20 | 265.80 | 61.65 | 20.38 | 8.60 | 6.18 | 5.85 | 5.85 | CMS |
| Runoff | 200.82 | 409.78 | 639.15 | 838.90 | 640.03 | 660.34 | 873.46 | 485.41 | 149.20 | 70.20 | 49.51 | 62.44 | 5079.23 | MCM |

Momentary Peak 413.60 CMS. at 4.07 m. (MSL.) at 18.00 Hours , on Jul 23, 2006

Runoff Yield 24.05 Liters/Second/Square KM. Momentary Peak Yield 61.76 Liters/Second/Square KM.

## WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Khuan Klang (1) , Nakhon Si Thammarat (X.243)

Lat 08 - 33 - 35 N Long 99 - 32 - 10 E

**Location : on left bank at Ban Khuan Klang (1).**

| | | | |
|---|---|---|---|
| | **Ban** Khuan Klang (1) | **Amphoe** Phipun | **Changwat** Nakhon Si Thammar |
| **Drainge Area** | 343 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the abutment of the bridge. | **Elevation** +44.602 m. (MSL.) | |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records poor. Stage-discharge relation defined by 19 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

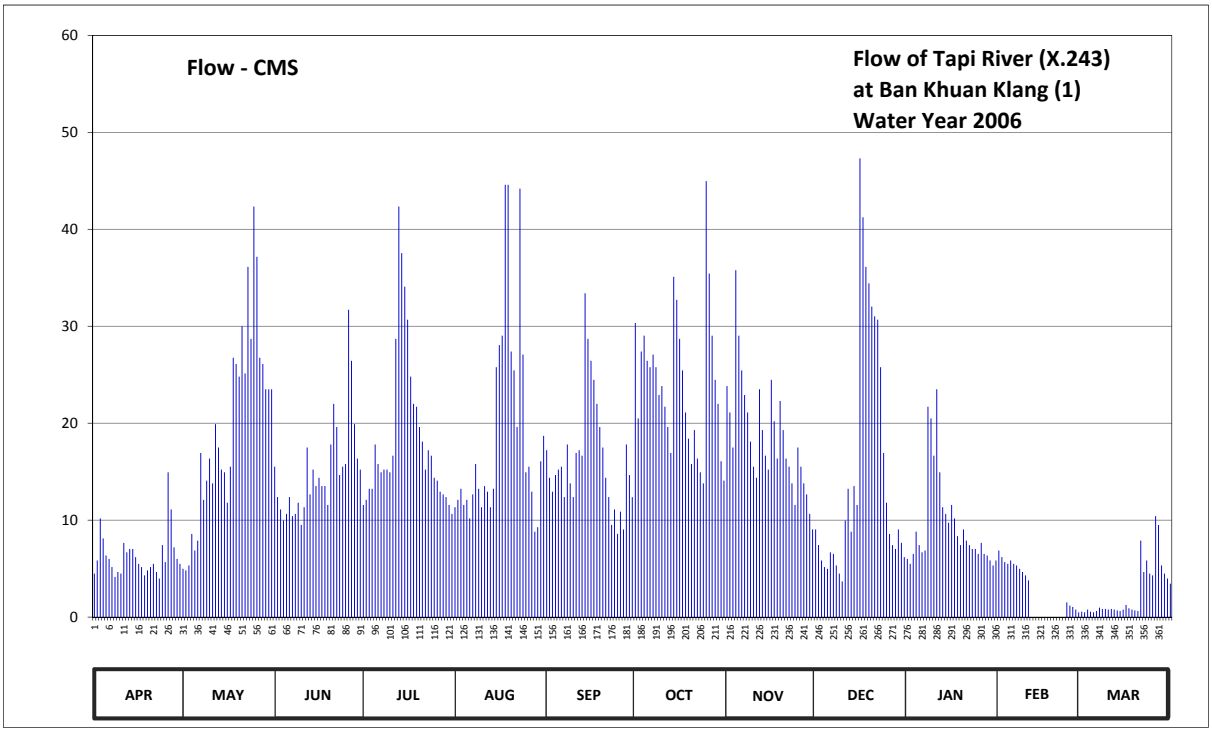
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.44 | 40.47 | 40.93 | 40.79 | 40.78 | 40.99 | 41.41 | 41.21 | 40.68 | 40.53 | 40.58 | 40.08 | |
| 2 | 40.52 | 40.46 | 40.82 | 40.81 | 40.81 | 40.89 | 41.10 | 41.12 | 40.61 | 40.50 | 40.54 | 40.07 | |
| 3 | 40.73 | 40.49 | 40.77 | 40.85 | 40.85 | 40.84 | 41.32 | 41.00 | 40.52 | 40.56 | 40.51 | 40.11 | |
| 4 | 40.64 | 40.66 | 40.72 | 40.85 | 40.79 | 40.90 | 41.37 | 41.57 | 40.48 | 40.67 | 40.50 | 40.08 | |
| 5 | 40.55 | 40.58 | 40.75 | 41.01 | 40.81 | 40.92 | 41.29 | 41.37 | 40.47 | 40.61 | 40.52 | 40.07 | |
| 6 | 40.53 | 40.63 | 40.82 | 40.94 | 40.73 | 40.93 | 41.27 | 41.26 | 40.57 | 40.57 | 40.50 | 40.09 | |
| 7 | 40.48 | 40.98 | 40.74 | 40.91 | 40.83 | 40.82 | 41.31 | 41.18 | 40.56 | 40.58 | 40.49 | 40.14 | |
| 8 | 40.42 | 40.81 | 40.75 | 40.92 | 40.94 | 41.01 | 41.27 | 41.12 | 40.49 | 41.14 | 40.47 | 40.12 | |
| 9 | 40.45 | 40.88 | 40.80 | 40.92 | 40.85 | 40.87 | 41.18 | 41.02 | 40.44 | 41.10 | 40.45 | 40.12 | |
| 10 | 40.44 | 40.96 | 40.70 | 40.91 | 40.78 | 40.82 | 41.21 | 40.93 | 40.39 | 40.97 | 40.43 | 40.11 | |
| 11 | 40.62 | 40.87 | 40.78 | 40.97 | 40.86 | 40.98 | 41.14 | 40.89 | 40.72 | 41.20 | 40.40 | 40.12 | |
| 12 | 40.57 | 41.08 | 41.00 | 41.36 | 40.84 | 40.99 | 41.07 | 41.20 | 40.85 | 40.91 | 40.00 | 40.11 | |
| 13 | 40.59 | 41.00 | 40.83 | 41.75 | 40.78 | 40.97 | 40.98 | 41.06 | 40.67 | 40.78 | 40.00 | 40.10 | |
| 14 | 40.59 | 40.92 | 40.92 | 41.62 | 40.85 | 41.50 | 41.55 | 40.97 | 40.86 | 40.75 | 40.00 | 40.09 | |
| 15 | 40.54 | 40.91 | 40.86 | 41.52 | 41.27 | 41.36 | 41.48 | 40.92 | 40.79 | 40.71 | 40.00 | 40.11 | |
| 16 | 40.50 | 40.80 | 40.89 | 41.42 | 41.34 | 41.29 | 41.36 | 41.23 | 41.88 | 40.79 | 40.00 | 40.18 | |
| 17 | 40.48 | 40.93 | 40.86 | 41.24 | 41.37 | 41.23 | 41.26 | 41.09 | 41.72 | 40.73 | 40.00 | 40.13 | |
| 18 | 40.43 | 41.30 | 40.86 | 41.15 | 41.81 | 41.15 | 41.12 | 40.96 | 41.58 | 40.65 | 40.00 | 40.11 | |
| 19 | 40.46 | 41.28 | 40.79 | 41.14 | 41.81 | 41.07 | 41.03 | 41.16 | 41.53 | 40.61 | 40.00 | 40.10 | |
| 20 | 40.48 | 41.24 | 41.01 | 41.07 | 41.32 | 41.00 | 40.94 | 41.06 | 41.46 | 40.68 | 40.00 | 40.09 | |
| 21 | 40.50 | 41.40 | 41.15 | 41.02 | 41.26 | 40.89 | 41.06 | 40.96 | 41.43 | 40.63 | 40.00 | 40.63 | |
| 22 | 40.45 | 41.25 | 41.07 | 40.92 | 41.07 | 40.82 | 40.96 | 40.93 | 41.42 | 40.61 | 40.00 | 40.45 | |
| 23 | 40.41 | 41.58 | 40.90 | 40.99 | 41.80 | 40.70 | 40.91 | 40.87 | 41.27 | 40.59 | 40.00 | 40.52 | |
| 24 | 40.61 | 41.36 | 40.93 | 40.97 | 41.31 | 40.77 | 40.87 | 40.79 | 40.98 | 40.59 | 40.21 | 40.44 | |
| 25 | 40.51 | 41.75 | 40.94 | 40.89 | 40.91 | 40.66 | 41.82 | 41.00 | 40.80 | 40.56 | 40.17 | 40.43 | |
| 26 | 40.91 | 41.61 | 41.45 | 40.88 | 40.93 | 40.76 | 41.56 | 40.93 | 40.66 | 40.62 | 40.15 | 40.74 | |
| 27 | 40.77 | 41.30 | 41.29 | 40.84 | 40.84 | 40.68 | 41.37 | 40.87 | 40.61 | 40.56 | 40.11 | 40.70 | |
| 28 | 40.60 | 41.28 | 41.08 | 40.83 | 40.67 | 41.01 | 41.23 | 40.83 | 40.59 | 40.55 | 40.07 | 40.49 | |
| 29 | 40.53 | 41.20 | 40.96 | 40.82 | 40.69 | 40.90 | 41.15 | 40.75 | 40.68 | 40.52 | | 40.44 | |
| 30 | 40.50 | 41.20 | 40.92 | 40.79 | 40.95 | 40.82 | 40.95 | 40.68 | 40.62 | 40.49 | | 40.41 | |
| 31 | | 41.20 | | 40.75 | 41.04 | | 40.88 | | 40.54 | 40.52 | | 40.37 | |
| Mean | 40.54 | 41.04 | 40.91 | 41.03 | 41.03 | 40.95 | 41.21 | 41.03 | 40.87 | 40.69 | 40.22 | 40.25 | |
| Max | 40.91 | 41.75 | 41.45 | 41.75 | 41.81 | 41.50 | 41.82 | 41.57 | 41.88 | 41.20 | 40.58 | 40.74 | 41.88 |
| Min | 40.41 | 40.46 | 40.70 | 40.75 | 40.67 | 40.66 | 40.87 | 40.68 | 40.39 | 40.49 | 40.00 | 40.07 | 40.00 |

Annual Max Momentary Gage Height 41.90 m. (MSL.) , at 06.00 Hours , on Aug 23 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 39.02 m. (MSL.)

Left Bank Elevation 44.52 m. (MSL.) ,

Right Bank Elevation 44.52 m. (MSL.) , Drainage Are 343 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.48 | 4.99 | 15.51 | 11.57 | 11.34 | 17.22 | 30.34 | 23.83 | 9.04 | 6.01 | 6.86 | 0.56 | | |
| 2 | 5.84 | 4.82 | 12.37 | 12.09 | 12.09 | 14.37 | 20.50 | 21.10 | 7.43 | 5.50 | 6.18 | 0.49 | | |
| 3 | 10.19 | 5.33 | 11.11 | 13.23 | 13.23 | 12.94 | 27.40 | 17.50 | 5.84 | 6.52 | 5.67 | 0.77 | | |
| 4 | 8.12 | 8.58 | 9.96 | 13.23 | 11.57 | 14.65 | 29.03 | 35.78 | 5.16 | 8.81 | 5.50 | 0.56 | | |
| 5 | 6.35 | 6.86 | 10.65 | 17.80 | 12.09 | 15.22 | 26.43 | 29.03 | 4.99 | 7.43 | 5.84 | 0.49 | | |
| 6 | 6.01 | 7.89 | 12.37 | 15.79 | 10.19 | 15.51 | 25.78 | 25.45 | 6.69 | 6.69 | 5.50 | 0.63 | | |
| 7 | 5.16 | 16.93 | 10.42 | 14.94 | 12.66 | 12.37 | 27.08 | 22.90 | 6.52 | 6.86 | 5.33 | 0.98 | | |
| 8 | 4.14 | 12.09 | 10.65 | 15.22 | 15.79 | 17.80 | 25.78 | 21.10 | 5.33 | 21.70 | 4.99 | 0.84 | | |
| 9 | 4.65 | 14.08 | 11.80 | 15.22 | 13.23 | 13.80 | 22.90 | 18.10 | 4.48 | 20.50 | 4.65 | 0.84 | | |
| 10 | 4.48 | 16.36 | 9.50 | 14.94 | 11.34 | 12.37 | 23.83 | 15.51 | 3.68 | 16.65 | 4.31 | 0.77 | | |
| 11 | 7.66 | 13.80 | 11.34 | 16.65 | 13.51 | 16.93 | 21.70 | 14.37 | 9.96 | 23.50 | 3.80 | 0.84 | | |
| 12 | 6.69 | 19.90 | 17.50 | 28.70 | 12.94 | 17.22 | 19.60 | 23.50 | 13.23 | 14.94 | 0.00 | 0.77 | | |
| 13 | 7.03 | 17.50 | 12.66 | 42.35 | 11.34 | 16.65 | 16.93 | 19.30 | 8.81 | 11.34 | 0.00 | 0.70 | | |
| 14 | 7.03 | 15.22 | 15.22 | 37.54 | 13.23 | 33.40 | 35.10 | 16.65 | 13.51 | 10.65 | 0.00 | 0.63 | | |
| 15 | 6.18 | 14.94 | 13.51 | 34.08 | 25.78 | 28.70 | 32.72 | 15.22 | 11.57 | 9.73 | 0.00 | 0.77 | | |
| 16 | 5.50 | 11.80 | 14.37 | 30.68 | 28.05 | 26.43 | 28.70 | 24.48 | 47.32 | 11.57 | 0.00 | 1.26 | | |
| 17 | 5.16 | 15.51 | 13.51 | 24.80 | 29.03 | 24.48 | 25.45 | 20.20 | 41.24 | 10.19 | 0.00 | 0.91 | | |
| 18 | 4.31 | 26.75 | 13.51 | 22.00 | 44.59 | 22.00 | 21.10 | 16.36 | 36.12 | 8.35 | 0.00 | 0.77 | | |
| 19 | 4.82 | 26.10 | 11.57 | 21.70 | 44.59 | 19.60 | 18.40 | 22.30 | 34.42 | 7.43 | 0.00 | 0.70 | | |
| 20 | 5.16 | 24.80 | 17.80 | 19.60 | 27.40 | 17.50 | 15.79 | 19.30 | 32.04 | 9.04 | 0.00 | 0.63 | | |
| 21 | 5.50 | 30.00 | 22.00 | 18.10 | 25.45 | 14.37 | 19.30 | 16.36 | 31.02 | 7.89 | 0.00 | 7.89 | | |
| 22 | 4.65 | 25.13 | 19.60 | 15.22 | 19.60 | 12.37 | 16.36 | 15.51 | 30.68 | 7.43 | 0.00 | 4.65 | | |
| 23 | 3.97 | 36.12 | 14.65 | 17.22 | 44.20 | 9.50 | 14.94 | 13.80 | 25.78 | 7.03 | 0.00 | 5.84 | | |
| 24 | 7.43 | 28.70 | 15.51 | 16.65 | 27.08 | 11.11 | 13.80 | 11.57 | 16.93 | 7.03 | 1.52 | 4.48 | | |
| 25 | 5.67 | 42.35 | 15.79 | 14.37 | 14.94 | 8.58 | 44.98 | 17.50 | 11.80 | 6.52 | 1.19 | 4.31 | | |
| 26 | 14.94 | 37.17 | 31.70 | 14.08 | 15.51 | 10.88 | 35.44 | 15.51 | 8.58 | 7.66 | 1.05 | 10.42 | | |
| 27 | 11.11 | 26.75 | 26.43 | 12.94 | 12.94 | 9.04 | 29.03 | 13.80 | 7.43 | 6.52 | 0.77 | 9.50 | | |
| 28 | 7.20 | 26.10 | 19.90 | 12.66 | 8.81 | 17.80 | 24.48 | 12.66 | 7.03 | 6.35 | 0.49 | 5.33 | | |
| 29 | 6.01 | 23.50 | 16.36 | 12.37 | 9.27 | 14.65 | 22.00 | 10.65 | 9.04 | 5.84 | | 4.48 | | |
| 30 | 5.50 | 23.50 | 15.22 | 11.57 | 16.08 | 12.37 | 16.08 | 9.04 | 7.66 | 5.33 | | 3.97 | | |
| 31 | | 23.50 | | 10.65 | 18.70 | | 14.08 | | 6.18 | 5.84 | | 3.44 | | |
| Total | 190.94 | 607.07 | 452.49 | 577.96 | 586.57 | 489.83 | 745.05 | 558.38 | 469.51 | 296.85 | 63.65 | 79.22 | 5117.52 | CMSDAY |
| Mean | 6.36 | 19.58 | 15.08 | 18.64 | 18.92 | 16.33 | 24.03 | 18.61 | 15.15 | 9.58 | 2.27 | 2.56 | 14.02 | CMS |
| Max | 14.94 | 42.35 | 31.70 | 42.35 | 44.59 | 33.40 | 44.98 | 35.78 | 47.32 | 23.50 | 6.86 | 10.42 | 47.32 | CMS |
| Min | 3.97 | 4.82 | 9.50 | 10.65 | 8.81 | 8.58 | 13.80 | 9.04 | 3.68 | 5.33 | 0.00 | 0.49 | 0.00 | CMS |
| Runoff | 16.50 | 52.45 | 39.10 | 49.94 | 50.68 | 42.32 | 64.37 | 48.24 | 40.57 | 25.65 | 5.50 | 6.84 | 442.15 | MCM |

Momentary Peak 48.10 CMS. at 41.90 m. (MSL.) at 06.00 Hours , on Aug 23 , 2006

Runoff Yield 40.83 Liters/Second/Square KM. Momentary Peak Yield 140.09 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong U - Taphao at Ban Hat Yai Nai , Songkhla (X.44)

Lat 07 - 00 - 02 N Long 100 - 27 - 32 E

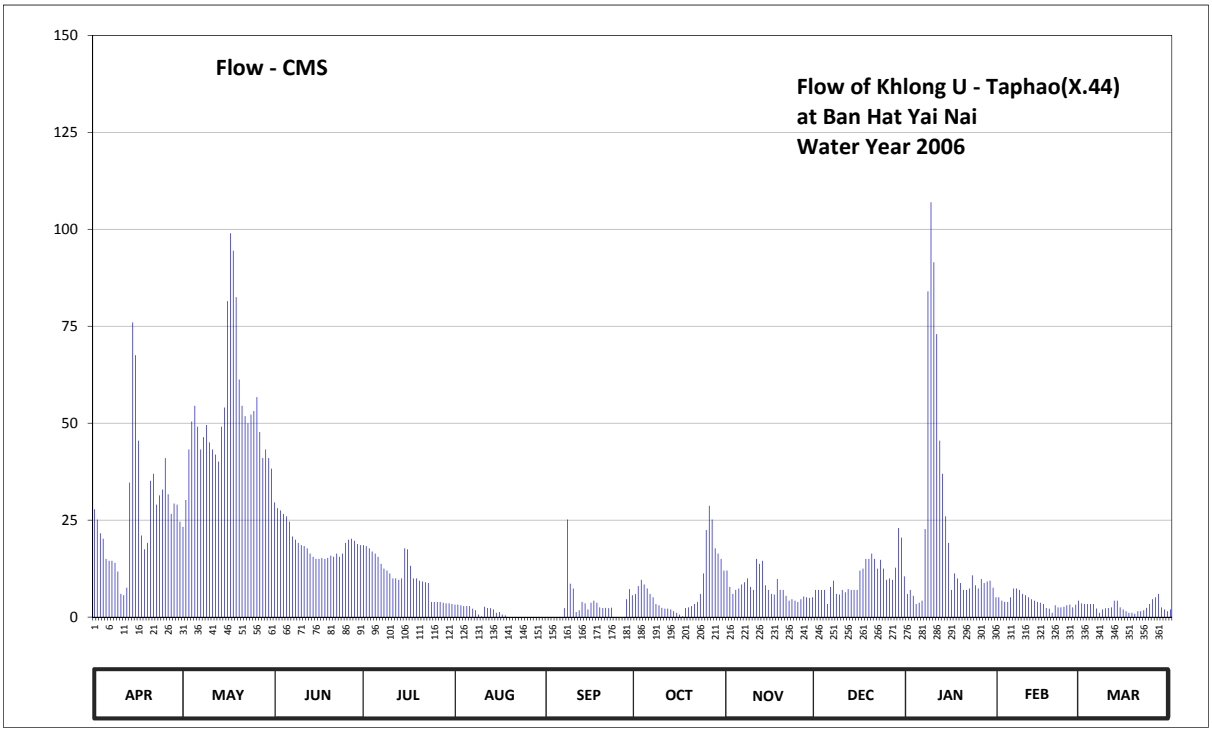
**Location : on left bank at the bridge of Hat Yai - Rattaphum Highway.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Hat Yai Nai | **Amphoe** Hat Yai | **Changwat** Songkhla | | |
| **Drainge Area** | 1,720 sq.km. | | | | |
| **Type of Gage** | Water - stage recorder. | | | | |
| **Zero Gage at Bottom** | 0.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On left bank about 200 meters from the top staff gage. | **Elevation** +7.294 m. (MSL.) | | | |
| **Gage Reading Frequency** | Recording. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 1967 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1967 - 1972 , 1983 - 1988 , 1999 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1967 - 1972 , 1983 - 1988 , 1999 to date | | | | |
| **Stability of Channel Regimes** | Rather unstable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.26 | 1.10 | 1.32 | 0.93 | 0.24 | -0.12 | 0.40 | 0.68 | 0.45 | 0.40 | 0.35 | 0.26 | |
| 2 | 1.17 | 1.34 | 1.27 | 0.92 | 0.24 | -0.12 | 0.50 | 0.49 | 0.45 | 0.45 | 0.30 | 0.25 | |
| 3 | 1.04 | 1.65 | 1.25 | 0.90 | 0.23 | -0.10 | 0.58 | 0.40 | 0.45 | 0.37 | 0.28 | 0.25 | |
| 4 | 0.99 | 1.81 | 1.22 | 0.87 | 0.22 | -0.10 | 0.52 | 0.45 | 0.45 | 0.25 | 0.28 | 0.25 | |
| 5 | 0.80 | 1.90 | 1.20 | 0.85 | 0.22 | -0.10 | 0.47 | 0.47 | 0.25 | 0.27 | 0.35 | 0.25 | |
| 6 | 0.78 | 1.78 | 1.15 | 0.82 | 0.22 | -0.08 | 0.40 | 0.52 | 0.49 | 0.30 | 0.47 | 0.11 | |
| 7 | 0.78 | 1.65 | 1.01 | 0.75 | 0.10 | 0.14 | 0.35 | 0.55 | 0.57 | 1.08 | 0.47 | 0.05 | |
| 8 | 0.76 | 1.72 | 0.98 | 0.70 | 0.08 | 1.17 | 0.25 | 0.60 | 0.40 | 2.52 | 0.45 | 0.09 | |
| 9 | 0.67 | 1.79 | 0.95 | 0.68 | 0.03 | 0.53 | 0.23 | 0.49 | 0.39 | 2.98 | 0.40 | 0.12 | |
| 10 | 0.40 | 1.69 | 0.93 | 0.65 | 0.01 | 0.47 | 0.16 | 0.45 | 0.45 | 2.67 | 0.38 | 0.15 | |
| 11 | 0.38 | 1.65 | 0.92 | 0.60 | 0.21 | 0.06 | 0.10 | 0.80 | 0.42 | 2.30 | 0.35 | 0.20 | |
| 12 | 0.48 | 1.62 | 0.90 | 0.60 | 0.15 | 0.08 | 0.10 | 0.75 | 0.46 | 1.70 | 0.32 | 0.30 | |
| 13 | 1.46 | 1.58 | 0.85 | 0.58 | 0.13 | 0.28 | 0.09 | 0.78 | 0.45 | 1.51 | 0.30 | 0.30 | |
| 14 | 2.36 | 1.78 | 0.82 | 0.60 | 0.09 | 0.26 | 0.07 | 0.51 | 0.45 | 1.20 | 0.28 | 0.20 | |
| 15 | 2.19 | 1.89 | 0.80 | 0.90 | 0.05 | 0.09 | 0.05 | 0.45 | 0.45 | 0.95 | 0.27 | 0.09 | |
| 16 | 1.70 | 2.47 | 0.80 | 0.89 | 0.06 | 0.27 | 0.03 | 0.40 | 0.68 | 0.45 | 0.25 | 0.07 | |
| 17 | 1.02 | 2.82 | 0.81 | 0.73 | 0.03 | 0.30 | 0.01 | 0.39 | 0.70 | 0.65 | 0.15 | 0.05 | |
| 18 | 0.89 | 2.73 | 0.80 | 0.60 | 0.02 | 0.27 | 0.15 | 0.59 | 0.80 | 0.60 | 0.10 | 0.05 | |
| 19 | 0.95 | 2.49 | 0.81 | 0.60 | -0.01 | 0.20 | 0.20 | 0.45 | 0.80 | 0.54 | 0.05 | 0.04 | |
| 20 | 1.47 | 2.05 | 0.83 | 0.57 | -0.04 | 0.15 | 0.22 | 0.45 | 0.85 | 0.45 | 0.23 | 0.07 | |
| 21 | 1.51 | 1.90 | 0.82 | 0.56 | -0.18 | 0.16 | 0.25 | 0.37 | 0.80 | 0.45 | 0.20 | 0.07 | |
| 22 | 1.30 | 1.84 | 0.85 | 0.55 | -0.18 | 0.14 | 0.28 | 0.30 | 0.70 | 0.47 | 0.20 | 0.08 | |
| 23 | 1.38 | 1.80 | 0.82 | 0.54 | -0.20 | 0.18 | 0.40 | 0.32 | 0.79 | 0.63 | 0.21 | 0.16 | |
| 24 | 1.42 | 1.85 | 0.85 | 0.28 | -0.21 | -0.18 | 0.65 | 0.30 | 0.70 | 0.51 | 0.23 | 0.25 | |
| 25 | 1.60 | 1.87 | 0.95 | 0.28 | -0.22 | -0.20 | 1.07 | 0.28 | 0.58 | 0.47 | 0.24 | 0.32 | |
| 26 | 1.39 | 1.95 | 0.98 | 0.28 | -0.14 | -0.06 | 1.29 | 0.32 | 0.60 | 0.59 | 0.20 | 0.35 | |
| 27 | 1.22 | 1.75 | 0.99 | 0.28 | -0.07 | -0.12 | 1.17 | 0.36 | 0.58 | 0.54 | 0.24 | 0.40 | |
| 28 | 1.31 | 1.60 | 0.97 | 0.27 | -0.05 | 0.32 | 0.90 | 0.35 | 0.71 | 0.56 | 0.30 | 0.20 | |
| 29 | 1.30 | 1.65 | 0.94 | 0.26 | -0.05 | 0.46 | 0.85 | 0.34 | 1.09 | 0.57 | | 0.09 | |
| 30 | 1.15 | 1.60 | 0.93 | 0.26 | -0.03 | 0.38 | 0.80 | 0.35 | 1.00 | 0.48 | | 0.07 | |
| 31 | | 1.54 | | 0.25 | -0.03 | | 0.68 | | 0.62 | 0.35 | | 0.09 | |
| Mean | 1.17 | 1.83 | 0.96 | 0.60 | 0.03 | 0.16 | 0.43 | 0.47 | 0.60 | 0.88 | 0.28 | 0.17 | |
| Max | 2.36 | 2.82 | 1.32 | 0.93 | 0.24 | 1.17 | 1.29 | 0.80 | 1.09 | 2.98 | 0.47 | 0.40 | 2.98 |
| Min | 0.38 | 1.10 | 0.80 | 0.25 | -0.22 | -0.20 | 0.01 | 0.28 | 0.25 | 0.25 | 0.05 | 0.04 | -0.22 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 3.05 | m. (MSL.) , | at 18.00 Hours , on Jan 9, 2007 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | -1.64 | m. (MSL.) |
| Left Bank Elevation | 8.93 | m. (MSL.) , | | | |
| Right Bank Elevation | 8.94 | m. (MSL.) , | Drainage Are | 1,720 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27.80 | 23.25 | 29.60 | 18.58 | 3.20 | 0.00 | 6.00 | 12.00 | 7.00 | 6.00 | 5.13 | 3.55 | | |
| 2 | 25.18 | 30.20 | 28.10 | 18.30 | 3.20 | 0.00 | 8.00 | 7.80 | 7.00 | 7.00 | 4.25 | 3.38 | | |
| 3 | 21.60 | 43.25 | 27.50 | 17.75 | 3.03 | 0.00 | 9.60 | 6.00 | 7.00 | 5.48 | 3.90 | 3.38 | | |
| 4 | 20.23 | 50.45 | 26.60 | 16.93 | 2.85 | 0.00 | 8.40 | 7.00 | 7.00 | 3.38 | 3.90 | 3.38 | | |
| 5 | 15.00 | 54.50 | 26.00 | 16.38 | 2.85 | 0.00 | 7.40 | 7.40 | 3.38 | 3.73 | 5.13 | 3.38 | | |
| 6 | 14.50 | 49.10 | 24.63 | 15.55 | 2.85 | 0.00 | 6.00 | 8.40 | 7.80 | 4.25 | 7.40 | 2.23 | | |
| 7 | 14.50 | 43.25 | 20.78 | 13.75 | 2.20 | 2.32 | 5.13 | 9.00 | 9.40 | 22.70 | 7.40 | 1.10 | | |
| 8 | 14.00 | 46.40 | 19.95 | 12.50 | 1.76 | 25.18 | 3.38 | 10.00 | 6.00 | 84.00 | 7.00 | 1.98 | | |
| 9 | 11.75 | 49.55 | 19.13 | 12.00 | 0.66 | 8.60 | 3.03 | 7.80 | 5.83 | 107.00 | 6.00 | 2.26 | | |
| 10 | 6.00 | 45.05 | 18.58 | 11.25 | 0.22 | 7.40 | 2.38 | 7.00 | 7.00 | 91.50 | 5.65 | 2.35 | | |
| 11 | 5.65 | 43.25 | 18.30 | 10.00 | 2.68 | 1.32 | 2.20 | 15.00 | 6.40 | 73.00 | 5.13 | 2.50 | | |
| 12 | 7.60 | 41.90 | 17.75 | 10.00 | 2.35 | 1.76 | 2.20 | 13.75 | 7.20 | 45.50 | 4.60 | 4.25 | | |
| 13 | 34.70 | 40.10 | 16.38 | 9.60 | 2.29 | 3.90 | 1.98 | 14.50 | 7.00 | 36.95 | 4.25 | 4.25 | | |
| 14 | 76.00 | 49.10 | 15.55 | 10.00 | 1.98 | 3.55 | 1.54 | 8.20 | 7.00 | 26.00 | 3.90 | 2.50 | | |
| 15 | 67.55 | 54.05 | 15.00 | 17.75 | 1.10 | 1.98 | 1.10 | 7.00 | 7.00 | 19.13 | 3.73 | 1.98 | | |
| 16 | 45.50 | 81.50 | 15.00 | 17.48 | 1.32 | 3.73 | 0.66 | 6.00 | 12.00 | 7.00 | 3.38 | 1.54 | | |
| 17 | 21.05 | 99.00 | 15.28 | 13.25 | 0.66 | 4.25 | 0.22 | 5.83 | 12.50 | 11.25 | 2.35 | 1.10 | | |
| 18 | 17.48 | 94.50 | 15.00 | 10.00 | 0.44 | 3.73 | 2.35 | 9.80 | 15.00 | 10.00 | 2.20 | 1.10 | | |
| 19 | 19.13 | 82.50 | 15.28 | 10.00 | 0.00 | 2.50 | 2.50 | 7.00 | 15.00 | 8.80 | 1.10 | 0.88 | | |
| 20 | 35.15 | 61.25 | 15.83 | 9.40 | 0.00 | 2.35 | 2.85 | 7.00 | 16.38 | 7.00 | 3.03 | 1.54 | | |
| 21 | 36.95 | 54.50 | 15.55 | 9.20 | 0.00 | 2.38 | 3.38 | 5.48 | 15.00 | 7.00 | 2.50 | 1.54 | | |
| 22 | 29.00 | 51.80 | 16.38 | 9.00 | 0.00 | 2.32 | 3.90 | 4.25 | 12.50 | 7.40 | 2.50 | 1.76 | | |
| 23 | 31.40 | 50.00 | 15.55 | 8.80 | 0.00 | 2.44 | 6.00 | 4.60 | 14.75 | 10.75 | 2.68 | 2.38 | | |
| 24 | 32.90 | 52.25 | 16.38 | 3.90 | 0.00 | 0.00 | 11.25 | 4.25 | 12.50 | 8.20 | 3.03 | 3.38 | | |
| 25 | 41.00 | 53.15 | 19.13 | 3.90 | 0.00 | 0.00 | 22.43 | 3.90 | 9.60 | 7.40 | 3.20 | 4.60 | | |
| 26 | 31.70 | 56.75 | 19.95 | 3.90 | 0.00 | 0.00 | 28.70 | 4.60 | 10.00 | 9.80 | 2.50 | 5.13 | | |
| 27 | 26.60 | 47.75 | 20.23 | 3.90 | 0.00 | 0.00 | 25.18 | 5.30 | 9.60 | 8.80 | 3.20 | 6.00 | | |
| 28 | 29.30 | 41.00 | 19.68 | 3.73 | 0.00 | 4.60 | 17.75 | 5.13 | 12.75 | 9.20 | 4.25 | 2.50 | | |
| 29 | 29.00 | 43.25 | 18.85 | 3.55 | 0.00 | 7.20 | 16.38 | 4.95 | 22.98 | 9.40 | | 1.98 | | |
| 30 | 24.63 | 41.00 | 18.58 | 3.55 | 0.00 | 5.65 | 15.00 | 5.13 | 20.50 | 7.60 | | 1.54 | | |
| 31 | | 38.30 | | 3.38 | 0.00 | | 12.00 | | 10.50 | 5.13 | | 1.98 | | |
| Total | 812.85 | 1611.90 | 580.52 | 327.28 | 35.64 | 97.16 | 238.89 | 224.07 | 323.57 | 670.35 | 113.29 | 81.42 | 5116.94 | CMSDAY |
| Mean | 27.10 | 52.00 | 19.35 | 10.56 | 1.15 | 3.24 | 7.71 | 7.47 | 10.44 | 21.62 | 4.05 | 2.63 | 14.02 | CMS |
| Max | 76.00 | 99.00 | 29.60 | 18.58 | 3.20 | 25.18 | 28.70 | 15.00 | 22.98 | 107.00 | 7.40 | 6.00 | 107.00 | CMS |
| Min | 5.65 | 23.25 | 15.00 | 3.38 | 0.00 | 0.00 | 0.22 | 3.90 | 3.38 | 3.38 | 1.10 | 0.88 | 0.00 | CMS |
| Runoff | 70.23 | 139.27 | 50.16 | 28.28 | 3.08 | 8.39 | 20.64 | 19.36 | 27.96 | 57.92 | 9.79 | 7.03 | 442.10 | MCM |

Momentary Peak 110.75 CMS. at 3.05 m. (MSL.) at 18.00 Hours , on Jan 9, 2007

Runoff Yield 8.15 Liters/Second/Square KM. Momentary Peak Yield 64.39 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Ratthaphum at Ban Nasithong , Songkhla (X.67A)

Lat 07 - 06 - 50 N Long 100 - 12 - 15 E

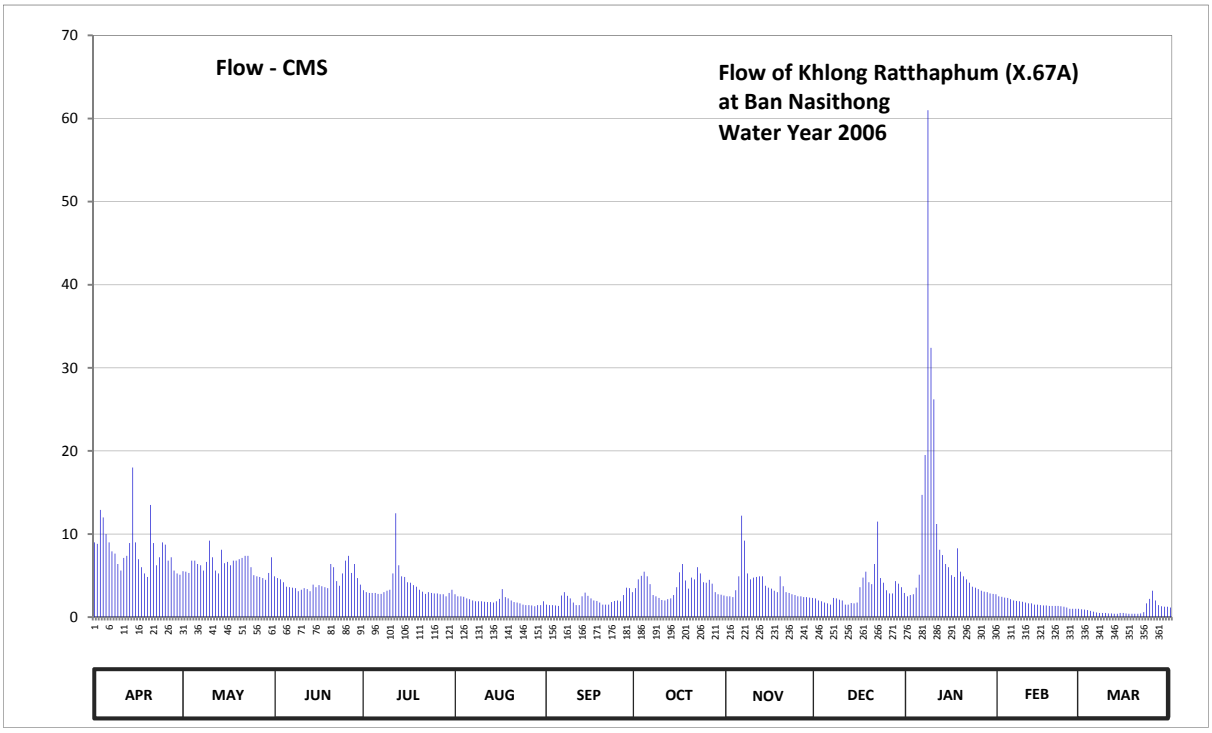
**Location : on right bank at Ban Kampheang Phet.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** Nasithong | | **Amphoe** Ratthaphum | **Changwat** Songkhla | |
| **Drainge Area** | 248 sq.km. | | | | |
| **Type of Gage** | Staff gage | | | | |
| **Zero Gage at Bottom** | +0.000 m. (A.D.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On right bank near the gage site. | | | **Elevation** | +5.845 m. (A.D.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | | | |
| **Period of Available Gage Records** | 2006 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2006 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2006 to date | | | | |
| **Stability of Channel Regimes** | Stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 9 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (A.D.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.40 | 0.99 | 0.90 | 0.64 | 0.55 | 0.30 | 0.68 | 0.50 | 0.45 | 0.50 | 0.50 | 0.19 | |
| 2 | 1.38 | 0.98 | 0.87 | 0.60 | 0.50 | 0.29 | 0.85 | 0.50 | 0.40 | 0.53 | 0.49 | 0.18 | |
| 3 | 1.79 | 0.96 | 0.85 | 0.58 | 0.50 | 0.29 | 0.91 | 0.48 | 0.38 | 0.55 | 0.47 | 0.17 | |
| 4 | 1.70 | 1.15 | 0.80 | 0.58 | 0.49 | 0.28 | 0.98 | 0.64 | 0.35 | 0.69 | 0.46 | 0.15 | |
| 5 | 1.50 | 1.15 | 0.71 | 0.58 | 0.45 | 0.27 | 0.90 | 0.90 | 0.33 | 0.93 | 0.43 | 0.13 | |
| 6 | 1.40 | 1.10 | 0.70 | 0.56 | 0.43 | 0.52 | 0.76 | 1.72 | 0.30 | 1.97 | 0.40 | 0.11 | |
| 7 | 1.28 | 1.08 | 0.69 | 0.56 | 0.40 | 0.60 | 0.53 | 1.42 | 0.46 | 2.30 | 0.39 | 0.10 | |
| 8 | 1.25 | 1.00 | 0.68 | 0.60 | 0.38 | 0.51 | 0.50 | 0.95 | 0.45 | 4.00 | 0.38 | 0.10 | |
| 9 | 1.10 | 1.13 | 0.62 | 0.63 | 0.38 | 0.45 | 0.46 | 0.85 | 0.42 | 2.97 | 0.37 | 0.10 | |
| 10 | 1.00 | 1.42 | 0.65 | 0.65 | 0.38 | 0.35 | 0.41 | 0.88 | 0.40 | 2.66 | 0.35 | 0.09 | |
| 11 | 1.19 | 1.20 | 0.68 | 0.95 | 0.37 | 0.29 | 0.40 | 0.89 | 0.30 | 1.62 | 0.33 | 0.09 | |
| 12 | 1.22 | 1.00 | 0.66 | 1.75 | 0.36 | 0.29 | 0.43 | 0.90 | 0.30 | 1.30 | 0.33 | 0.08 | |
| 13 | 1.39 | 0.95 | 0.62 | 1.08 | 0.36 | 0.50 | 0.45 | 0.90 | 0.34 | 1.23 | 0.30 | 0.08 | |
| 14 | 2.20 | 1.30 | 0.75 | 0.90 | 0.35 | 0.59 | 0.53 | 0.73 | 0.33 | 1.10 | 0.30 | 0.10 | |
| 15 | 1.40 | 1.11 | 0.70 | 0.89 | 0.38 | 0.51 | 0.70 | 0.69 | 0.35 | 1.05 | 0.29 | 0.10 | |
| 16 | 1.17 | 1.13 | 0.74 | 0.80 | 0.44 | 0.45 | 0.97 | 0.67 | 0.70 | 0.92 | 0.28 | 0.09 | |
| 17 | 1.05 | 1.08 | 0.72 | 0.79 | 0.66 | 0.40 | 1.10 | 0.63 | 0.88 | 0.89 | 0.28 | 0.08 | |
| 18 | 0.95 | 1.15 | 0.70 | 0.74 | 0.48 | 0.39 | 0.83 | 0.60 | 0.98 | 1.32 | 0.27 | 0.08 | |
| 19 | 0.89 | 1.15 | 0.68 | 0.71 | 0.45 | 0.35 | 0.67 | 0.90 | 0.80 | 0.98 | 0.27 | 0.08 | |
| 20 | 1.85 | 1.17 | 1.10 | 0.65 | 0.40 | 0.30 | 0.88 | 0.72 | 0.76 | 0.90 | 0.27 | 0.08 | |
| 21 | 1.39 | 1.19 | 1.05 | 0.61 | 0.36 | 0.30 | 0.85 | 0.60 | 1.10 | 0.85 | 0.27 | 0.09 | |
| 22 | 1.08 | 1.22 | 0.82 | 0.56 | 0.35 | 0.30 | 1.05 | 0.58 | 1.65 | 0.79 | 0.26 | 0.12 | |
| 23 | 1.20 | 1.22 | 0.73 | 0.60 | 0.33 | 0.36 | 0.95 | 0.55 | 0.87 | 0.71 | 0.25 | 0.33 | |
| 24 | 1.40 | 1.05 | 0.95 | 0.58 | 0.30 | 0.39 | 0.80 | 0.53 | 0.79 | 0.69 | 0.23 | 0.44 | |
| 25 | 1.37 | 0.92 | 1.15 | 0.57 | 0.29 | 0.40 | 0.79 | 0.50 | 0.64 | 0.66 | 0.20 | 0.63 | |
| 26 | 1.15 | 0.90 | 1.22 | 0.57 | 0.29 | 0.38 | 0.84 | 0.50 | 0.57 | 0.63 | 0.20 | 0.40 | |
| 27 | 1.20 | 0.89 | 0.96 | 0.55 | 0.28 | 0.53 | 0.77 | 0.48 | 0.57 | 0.61 | 0.20 | 0.29 | |
| 28 | 1.00 | 0.87 | 1.10 | 0.55 | 0.26 | 0.69 | 0.60 | 0.48 | 0.82 | 0.60 | 0.20 | 0.26 | |
| 29 | 0.95 | 0.84 | 0.87 | 0.50 | 0.29 | 0.68 | 0.55 | 0.47 | 0.77 | 0.57 | | 0.25 | |
| 30 | 0.93 | 0.96 | 0.75 | 0.58 | 0.29 | 0.60 | 0.54 | 0.46 | 0.70 | 0.56 | | 0.25 | |
| 31 | | 1.20 | | 0.65 | 0.38 | | 0.52 | | 0.58 | 0.55 | | 0.23 | |
| Mean | 1.29 | 1.08 | 0.81 | 0.70 | 0.39 | 0.42 | 0.72 | 0.72 | 0.60 | 1.15 | 0.32 | 0.18 | |
| Max | 2.20 | 1.42 | 1.22 | 1.75 | 0.66 | 0.69 | 1.10 | 1.72 | 1.65 | 4.00 | 0.50 | 0.63 | 4.00 |
| Min | 0.89 | 0.84 | 0.62 | 0.50 | 0.26 | 0.27 | 0.40 | 0.46 | 0.30 | 0.50 | 0.20 | 0.08 | 0.08 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 4.25 | m. (A.D.) , | at 18.00 Hours , on Jan 8 , 2007 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (A.D.) , | River Bed | -2.06 | m. (A.D.) |
| Left Bank Elevation | 6.28 | m. (A.D.) , | | | |
| Right Bank Elevation | 6.29 | m. (A.D.) , | Drainage Are | 248 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.00 | 5.53 | 4.90 | 3.24 | 2.75 | 1.50 | 3.48 | 2.50 | 2.25 | 2.50 | 2.50 | 0.95 | | |
| 2 | 8.82 | 5.46 | 4.69 | 3.00 | 2.50 | 1.45 | 4.55 | 2.50 | 2.00 | 2.65 | 2.45 | 0.90 | | |
| 3 | 12.90 | 5.32 | 4.55 | 2.90 | 2.50 | 1.45 | 4.97 | 2.40 | 1.90 | 2.75 | 2.35 | 0.85 | | |
| 4 | 12.00 | 6.80 | 4.20 | 2.90 | 2.45 | 1.40 | 5.46 | 3.24 | 1.75 | 3.54 | 2.30 | 0.75 | | |
| 5 | 10.00 | 6.80 | 3.66 | 2.90 | 2.25 | 1.35 | 4.90 | 4.90 | 1.65 | 5.11 | 2.15 | 0.65 | | |
| 6 | 9.00 | 6.40 | 3.60 | 2.80 | 2.15 | 2.60 | 3.96 | 12.20 | 1.50 | 14.70 | 2.00 | 0.55 | | |
| 7 | 7.92 | 6.24 | 3.54 | 2.80 | 2.00 | 3.00 | 2.65 | 9.20 | 2.30 | 19.50 | 1.95 | 0.50 | | |
| 8 | 7.65 | 5.60 | 3.48 | 3.00 | 1.90 | 2.55 | 2.50 | 5.25 | 2.25 | 61.00 | 1.90 | 0.50 | | |
| 9 | 6.40 | 6.64 | 3.12 | 3.18 | 1.90 | 2.25 | 2.30 | 4.55 | 2.10 | 32.40 | 1.85 | 0.50 | | |
| 10 | 5.60 | 9.20 | 3.30 | 3.30 | 1.90 | 1.75 | 2.05 | 4.76 | 2.00 | 26.20 | 1.75 | 0.45 | | |
| 11 | 7.12 | 7.20 | 3.48 | 5.25 | 1.85 | 1.45 | 2.00 | 4.83 | 1.50 | 11.20 | 1.65 | 0.45 | | |
| 12 | 7.38 | 5.60 | 3.36 | 12.50 | 1.80 | 1.45 | 2.15 | 4.90 | 1.50 | 8.10 | 1.65 | 0.40 | | |
| 13 | 8.91 | 5.25 | 3.12 | 6.24 | 1.80 | 2.50 | 2.25 | 4.90 | 1.70 | 7.47 | 1.50 | 0.40 | | |
| 14 | 18.00 | 8.10 | 3.90 | 4.90 | 1.75 | 2.95 | 2.65 | 3.78 | 1.65 | 6.40 | 1.50 | 0.50 | | |
| 15 | 9.00 | 6.48 | 3.60 | 4.83 | 1.90 | 2.55 | 3.60 | 3.54 | 1.75 | 6.00 | 1.45 | 0.50 | | |
| 16 | 6.96 | 6.64 | 3.84 | 4.20 | 2.20 | 2.25 | 5.39 | 3.42 | 3.60 | 5.04 | 1.40 | 0.45 | | |
| 17 | 6.00 | 6.24 | 3.72 | 4.14 | 3.36 | 2.00 | 6.40 | 3.18 | 4.76 | 4.83 | 1.40 | 0.40 | | |
| 18 | 5.25 | 6.80 | 3.60 | 3.84 | 2.40 | 1.95 | 4.41 | 3.00 | 5.46 | 8.28 | 1.35 | 0.40 | | |
| 19 | 4.83 | 6.80 | 3.48 | 3.66 | 2.25 | 1.75 | 3.42 | 4.90 | 4.20 | 5.46 | 1.35 | 0.40 | | |
| 20 | 13.50 | 6.96 | 6.40 | 3.30 | 2.00 | 1.50 | 4.76 | 3.72 | 3.96 | 4.90 | 1.35 | 0.40 | | |
| 21 | 8.91 | 7.12 | 6.00 | 3.06 | 1.80 | 1.50 | 4.55 | 3.00 | 6.40 | 4.55 | 1.35 | 0.45 | | |
| 22 | 6.24 | 7.38 | 4.34 | 2.80 | 1.75 | 1.50 | 6.00 | 2.90 | 11.50 | 4.14 | 1.30 | 0.60 | | |
| 23 | 7.20 | 7.38 | 3.78 | 3.00 | 1.65 | 1.80 | 5.25 | 2.75 | 4.69 | 3.66 | 1.25 | 1.65 | | |
| 24 | 9.00 | 6.00 | 5.25 | 2.90 | 1.50 | 1.95 | 4.20 | 2.65 | 4.14 | 3.54 | 1.15 | 2.20 | | |
| 25 | 8.73 | 5.04 | 6.80 | 2.85 | 1.45 | 2.00 | 4.14 | 2.50 | 3.24 | 3.36 | 1.00 | 3.18 | | |
| 26 | 6.80 | 4.90 | 7.38 | 2.85 | 1.45 | 1.90 | 4.48 | 2.50 | 2.85 | 3.18 | 1.00 | 2.00 | | |
| 27 | 7.20 | 4.83 | 5.32 | 2.75 | 1.40 | 2.65 | 4.02 | 2.40 | 2.85 | 3.06 | 1.00 | 1.45 | | |
| 28 | 5.60 | 4.69 | 6.40 | 2.75 | 1.30 | 3.54 | 3.00 | 2.40 | 4.34 | 3.00 | 1.00 | 1.30 | | |
| 29 | 5.25 | 4.48 | 4.69 | 2.50 | 1.45 | 3.48 | 2.75 | 2.35 | 4.02 | 2.85 | | 1.25 | | |
| 30 | 5.11 | 5.32 | 3.90 | 2.90 | 1.45 | 3.00 | 2.70 | 2.30 | 3.60 | 2.80 | | 1.25 | | |
| 31 | | 7.20 | | 3.30 | 1.90 | | 2.60 | | 2.90 | 2.75 | | 1.15 | | |
| Total | 246.28 | 194.40 | 131.40 | 114.54 | 60.71 | 62.97 | 117.54 | 117.42 | 100.31 | 274.92 | 44.85 | 27.38 | 1492.72 | CMSDAY |
| Mean | 8.21 | 6.27 | 4.38 | 3.69 | 1.96 | 2.10 | 3.79 | 3.91 | 3.24 | 8.87 | 1.60 | 0.88 | 4.09 | CMS |
| Max | 18.00 | 9.20 | 7.38 | 12.50 | 3.36 | 3.54 | 6.40 | 12.20 | 11.50 | 61.00 | 2.50 | 3.18 | 61.00 | CMS |
| Min | 4.83 | 4.48 | 3.12 | 2.50 | 1.30 | 1.35 | 2.00 | 2.30 | 1.50 | 2.50 | 1.00 | 0.40 | 0.40 | CMS |
| Runoff | 21.28 | 16.80 | 11.35 | 9.90 | 5.25 | 5.44 | 10.16 | 10.15 | 8.67 | 23.75 | 3.88 | 2.37 | 128.97 | MCM |

Momentary Peak 69.13 CMS. at 4.25 m. (A.D.) at 18.00 Hours , on Jan 8 , 2007

Runoff Yield 16.44 Liters/Second/Square KM. Momentary Peak Yield 277.91 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Tha Khae at Ban Tha Khae , Phatthalung (X.68)

Lat 07 - 34 - 01 N Long 100 - 03 - 05 E

**Location : on left bank downstream side of the bridge of Phatthalung - Hat Yai Highway.**

**Ban** Tha Khae **Amphoe** Mueang **Changwat** Phatthalung

| | |
|---|---|
| **Drainge Area** | 302 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the gage observer's house. **Elevation** +15.966 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1967 to date |
| **Rating Operation** | |
| **Period of Rating** | 1967 - 1972 , 1983 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1967 - 1972 , 1983 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Flow regulated by Tha Khae Weir.<br>Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

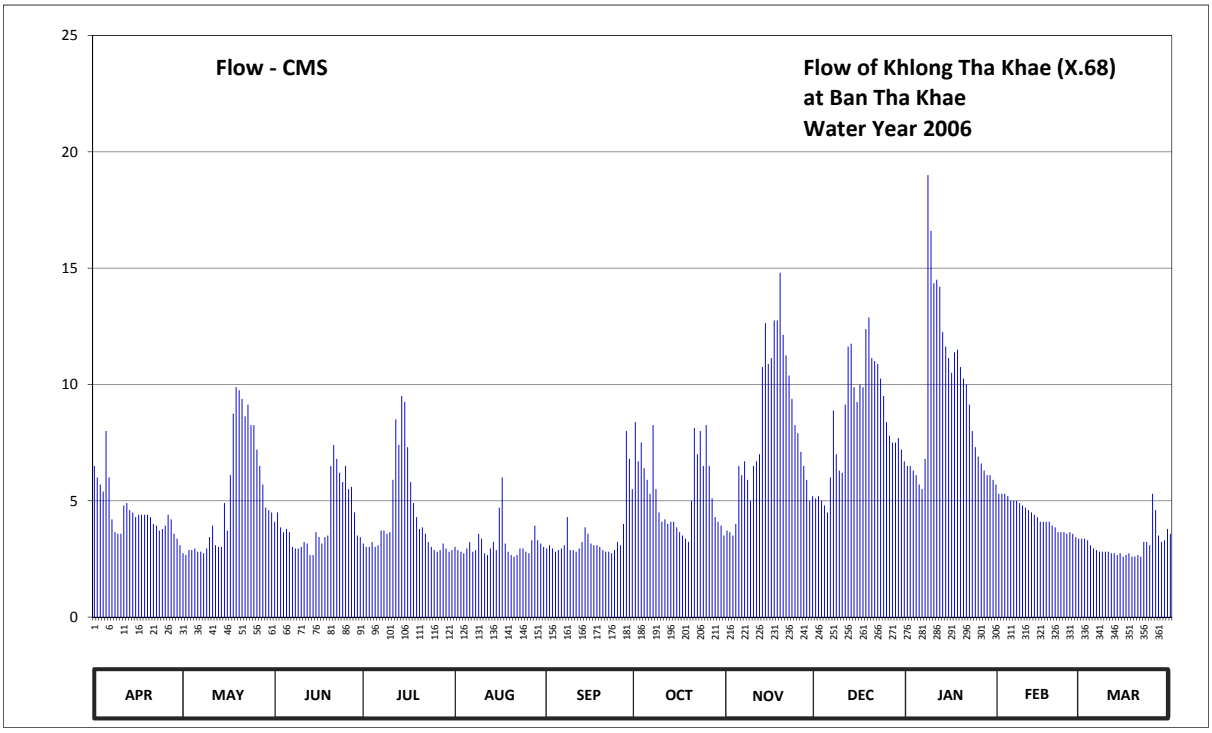
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.45 | 13.02 | 13.21 | 13.08 | 13.06 | 13.05 | 13.63 | 13.16 | 13.31 | 13.45 | 13.33 | 13.11 | |
| 2 | 13.40 | 13.01 | 13.25 | 13.06 | 13.04 | 13.07 | 13.47 | 13.15 | 13.32 | 13.45 | 13.33 | 13.11 | |
| 3 | 13.37 | 13.04 | 13.18 | 13.06 | 13.03 | 13.05 | 13.55 | 13.13 | 13.30 | 13.43 | 13.33 | 13.10 | |
| 4 | 13.34 | 13.04 | 13.15 | 13.09 | 13.02 | 13.03 | 13.44 | 13.20 | 13.28 | 13.41 | 13.32 | 13.07 | |
| 5 | 13.60 | 13.05 | 13.17 | 13.06 | 13.05 | 13.04 | 13.39 | 13.45 | 13.25 | 13.37 | 13.30 | 13.05 | |
| 6 | 13.40 | 13.03 | 13.15 | 13.07 | 13.09 | 13.05 | 13.33 | 13.41 | 13.40 | 13.35 | 13.30 | 13.04 | |
| 7 | 13.22 | 13.03 | 13.06 | 13.16 | 13.03 | 13.07 | 13.62 | 13.47 | 13.67 | 13.48 | 13.30 | 13.03 | |
| 8 | 13.15 | 13.02 | 13.05 | 13.16 | 13.04 | 13.23 | 13.35 | 13.39 | 13.50 | 14.35 | 13.29 | 13.03 | |
| 9 | 13.14 | 13.05 | 13.05 | 13.14 | 13.14 | 13.04 | 13.25 | 13.30 | 13.43 | 14.23 | 13.28 | 13.03 | |
| 10 | 13.14 | 13.12 | 13.06 | 13.15 | 13.11 | 13.04 | 13.21 | 13.45 | 13.42 | 14.09 | 13.27 | 13.03 | |
| 11 | 13.28 | 13.19 | 13.09 | 13.39 | 13.02 | 13.03 | 13.22 | 13.47 | 13.69 | 14.10 | 13.26 | 13.02 | |
| 12 | 13.29 | 13.07 | 13.08 | 13.64 | 13.01 | 13.05 | 13.20 | 13.50 | 13.89 | 14.08 | 13.25 | 13.02 | |
| 13 | 13.26 | 13.06 | 13.01 | 13.54 | 13.05 | 13.09 | 13.21 | 13.82 | 13.90 | 13.94 | 13.24 | 13.01 | |
| 14 | 13.25 | 13.06 | 13.01 | 13.72 | 13.09 | 13.18 | 13.21 | 13.97 | 13.75 | 13.89 | 13.23 | 13.02 | |
| 15 | 13.23 | 13.29 | 13.15 | 13.70 | 13.04 | 13.14 | 13.18 | 13.83 | 13.70 | 13.85 | 13.21 | 13.00 | |
| 16 | 13.24 | 13.16 | 13.12 | 13.53 | 13.27 | 13.08 | 13.15 | 13.85 | 13.76 | 13.80 | 13.21 | 13.01 | |
| 17 | 13.24 | 13.41 | 13.08 | 13.38 | 13.40 | 13.07 | 13.13 | 13.98 | 13.75 | 13.87 | 13.21 | 13.02 | |
| 18 | 13.24 | 13.66 | 13.12 | 13.29 | 13.08 | 13.07 | 13.11 | 13.98 | 13.95 | 13.88 | 13.21 | 13.00 | |
| 19 | 13.24 | 13.75 | 13.13 | 13.23 | 13.03 | 13.06 | 13.09 | 14.12 | 13.99 | 13.82 | 13.19 | 13.00 | |
| 20 | 13.23 | 13.74 | 13.45 | 13.17 | 13.01 | 13.04 | 13.30 | 13.93 | 13.85 | 13.78 | 13.18 | 13.01 | |
| 21 | 13.20 | 13.71 | 13.54 | 13.18 | 13.00 | 13.03 | 13.61 | 13.86 | 13.84 | 13.76 | 13.15 | 13.00 | |
| 22 | 13.19 | 13.65 | 13.48 | 13.14 | 13.01 | 13.03 | 13.50 | 13.79 | 13.83 | 13.69 | 13.15 | 13.09 | |
| 23 | 13.16 | 13.69 | 13.42 | 13.09 | 13.05 | 13.02 | 13.60 | 13.71 | 13.78 | 13.60 | 13.15 | 13.09 | |
| 24 | 13.17 | 13.62 | 13.38 | 13.06 | 13.05 | 13.04 | 13.45 | 13.62 | 13.72 | 13.53 | 13.14 | 13.07 | |
| 25 | 13.19 | 13.62 | 13.45 | 13.04 | 13.03 | 13.09 | 13.62 | 13.59 | 13.63 | 13.49 | 13.15 | 13.33 | |
| 26 | 13.24 | 13.52 | 13.35 | 13.03 | 13.02 | 13.07 | 13.45 | 13.51 | 13.58 | 13.46 | 13.14 | 13.26 | |
| 27 | 13.22 | 13.45 | 13.36 | 13.04 | 13.10 | 13.20 | 13.31 | 13.45 | 13.55 | 13.43 | 13.12 | 13.13 | |
| 28 | 13.14 | 13.37 | 13.25 | 13.08 | 13.19 | 13.60 | 13.23 | 13.39 | 13.55 | 13.41 | 13.11 | 13.09 | |
| 29 | 13.11 | 13.27 | 13.13 | 13.05 | 13.10 | 13.48 | 13.21 | 13.30 | 13.57 | 13.41 | | 13.10 | |
| 30 | 13.07 | 13.26 | 13.12 | 13.03 | 13.08 | 13.35 | 13.19 | 13.32 | 13.52 | 13.39 | | 13.17 | |
| 31 | | 13.25 | | 13.04 | 13.06 | | 13.13 | | 13.47 | 13.37 | | 13.14 | |
| Mean | 13.25 | 13.30 | 13.20 | 13.21 | 13.07 | 13.11 | 13.33 | 13.57 | 13.62 | 13.68 | 13.23 | 13.07 | |
| Max | 13.60 | 13.75 | 13.54 | 13.72 | 13.40 | 13.60 | 13.63 | 14.12 | 13.99 | 14.35 | 13.33 | 13.33 | 14.35 |
| Min | 13.07 | 13.01 | 13.01 | 13.03 | 13.00 | 13.02 | 13.09 | 13.13 | 13.25 | 13.35 | 13.11 | 13.00 | 13.00 |

Annual Max Momentary Gage Height 14.39 m. (MSL.) , at 12.00 Hours , on Jan 8, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 12.28 m. (MSL.)

Left Bank Elevation 18.34 m. (MSL.) ,

Right Bank Elevation 18.58 m. (MSL.) , Drainage Are 302 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.50 | 2.74 | 4.10 | 3.16 | 3.02 | 2.95 | 8.38 | 3.72 | 5.10 | 6.50 | 5.30 | 3.37 | | |
| 2 | 6.00 | 2.67 | 4.50 | 3.02 | 2.88 | 3.09 | 6.70 | 3.65 | 5.20 | 6.50 | 5.30 | 3.37 | | |
| 3 | 5.70 | 2.88 | 3.86 | 3.02 | 2.81 | 2.95 | 7.50 | 3.51 | 5.00 | 6.30 | 5.30 | 3.30 | | |
| 4 | 5.40 | 2.88 | 3.65 | 3.23 | 2.74 | 2.81 | 6.40 | 4.00 | 4.80 | 6.10 | 5.20 | 3.09 | | |
| 5 | 8.00 | 2.95 | 3.79 | 3.02 | 2.95 | 2.88 | 5.90 | 6.50 | 4.50 | 5.70 | 5.00 | 2.95 | | |
| 6 | 6.00 | 2.81 | 3.65 | 3.09 | 3.23 | 2.95 | 5.30 | 6.10 | 6.00 | 5.50 | 5.00 | 2.88 | | |
| 7 | 4.20 | 2.81 | 3.02 | 3.72 | 2.81 | 3.09 | 8.25 | 6.70 | 8.88 | 6.80 | 5.00 | 2.81 | | |
| 8 | 3.65 | 2.74 | 2.95 | 3.72 | 2.88 | 4.30 | 5.50 | 5.90 | 7.00 | 19.00 | 4.90 | 2.81 | | |
| 9 | 3.58 | 2.95 | 2.95 | 3.58 | 3.58 | 2.88 | 4.50 | 5.00 | 6.30 | 16.60 | 4.80 | 2.81 | | |
| 10 | 3.58 | 3.44 | 3.02 | 3.65 | 3.37 | 2.88 | 4.10 | 6.50 | 6.20 | 14.35 | 4.70 | 2.81 | | |
| 11 | 4.80 | 3.93 | 3.23 | 5.90 | 2.74 | 2.81 | 4.20 | 6.70 | 9.13 | 14.50 | 4.60 | 2.74 | | |
| 12 | 4.90 | 3.09 | 3.16 | 8.50 | 2.67 | 2.95 | 4.00 | 7.00 | 11.63 | 14.20 | 4.50 | 2.74 | | |
| 13 | 4.60 | 3.02 | 2.67 | 7.40 | 2.95 | 3.23 | 4.10 | 10.75 | 11.75 | 12.25 | 4.40 | 2.67 | | |
| 14 | 4.50 | 3.02 | 2.67 | 9.50 | 3.23 | 3.86 | 4.10 | 12.63 | 9.88 | 11.63 | 4.30 | 2.74 | | |
| 15 | 4.30 | 4.90 | 3.65 | 9.25 | 2.88 | 3.58 | 3.86 | 10.88 | 9.25 | 11.13 | 4.10 | 2.60 | | |
| 16 | 4.40 | 3.72 | 3.44 | 7.30 | 4.70 | 3.16 | 3.65 | 11.13 | 10.00 | 10.50 | 4.10 | 2.67 | | |
| 17 | 4.40 | 6.10 | 3.16 | 5.80 | 6.00 | 3.09 | 3.51 | 12.75 | 9.88 | 11.38 | 4.10 | 2.74 | | |
| 18 | 4.40 | 8.75 | 3.44 | 4.90 | 3.16 | 3.09 | 3.37 | 12.75 | 12.38 | 11.50 | 4.10 | 2.60 | | |
| 19 | 4.40 | 9.88 | 3.51 | 4.30 | 2.81 | 3.02 | 3.23 | 14.80 | 12.88 | 10.75 | 3.93 | 2.60 | | |
| 20 | 4.30 | 9.75 | 6.50 | 3.79 | 2.67 | 2.88 | 5.00 | 12.13 | 11.13 | 10.25 | 3.86 | 2.67 | | |
| 21 | 4.00 | 9.38 | 7.40 | 3.86 | 2.60 | 2.81 | 8.13 | 11.25 | 11.00 | 10.00 | 3.65 | 2.60 | | |
| 22 | 3.93 | 8.63 | 6.80 | 3.58 | 2.67 | 2.81 | 7.00 | 10.38 | 10.88 | 9.13 | 3.65 | 3.23 | | |
| 23 | 3.72 | 9.13 | 6.20 | 3.23 | 2.95 | 2.74 | 8.00 | 9.38 | 10.25 | 8.00 | 3.65 | 3.23 | | |
| 24 | 3.79 | 8.25 | 5.80 | 3.02 | 2.95 | 2.88 | 6.50 | 8.25 | 9.50 | 7.30 | 3.58 | 3.09 | | |
| 25 | 3.93 | 8.25 | 6.50 | 2.88 | 2.81 | 3.23 | 8.25 | 7.90 | 8.38 | 6.90 | 3.65 | 5.30 | | |
| 26 | 4.40 | 7.20 | 5.50 | 2.81 | 2.74 | 3.09 | 6.50 | 7.10 | 7.80 | 6.60 | 3.58 | 4.60 | | |
| 27 | 4.20 | 6.50 | 5.60 | 2.88 | 3.30 | 4.00 | 5.10 | 6.50 | 7.50 | 6.30 | 3.44 | 3.51 | | |
| 28 | 3.58 | 5.70 | 4.50 | 3.16 | 3.93 | 8.00 | 4.30 | 5.90 | 7.50 | 6.10 | 3.37 | 3.23 | | |
| 29 | 3.37 | 4.70 | 3.51 | 2.95 | 3.30 | 6.80 | 4.10 | 5.00 | 7.70 | 6.10 | | 3.30 | | |
| 30 | 3.09 | 4.60 | 3.44 | 2.81 | 3.16 | 5.50 | 3.93 | 5.20 | 7.20 | 5.90 | | 3.79 | | |
| 31 | | 4.50 | | 2.88 | 3.02 | | 3.51 | | 6.70 | 5.70 | | 3.58 | | |
| Total | 135.62 | 161.87 | 126.17 | 133.91 | 97.51 | 104.31 | 166.87 | 239.96 | 261.30 | 289.47 | 121.06 | 96.43 | 1934.48 | CMSDAY |
| Mean | 4.52 | 5.22 | 4.21 | 4.32 | 3.15 | 3.48 | 5.38 | 8.00 | 8.43 | 9.34 | 4.32 | 3.11 | 5.30 | CMS |
| Max | 8.00 | 9.88 | 7.40 | 9.50 | 6.00 | 8.00 | 8.38 | 14.80 | 12.88 | 19.00 | 5.30 | 5.30 | 19.00 | CMS |
| Min | 3.09 | 2.67 | 2.67 | 2.81 | 2.60 | 2.74 | 3.23 | 3.51 | 4.50 | 5.50 | 3.37 | 2.60 | 2.60 | CMS |
| Runoff | 11.72 | 13.99 | 10.90 | 11.57 | 8.42 | 9.01 | 14.42 | 20.73 | 22.58 | 25.01 | 10.46 | 8.33 | 167.14 | MCM |

Momentary Peak 19.80 CMS. at 14.39 m. (MSL.) at 12.00 Hours , on Jan 8, 2007

Runoff Yield 17.53 Liters/Second/Square KM. Momentary Peak Yield 65.50 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Tam at Ban Khuan Lang , Songkhla (X.71B)

Lat 06 - 59 - 15 N Long 100 - 25 - 27 E

**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Khuan Lang | **Amphoe** Hat Yai | **Changwat** Songkhla |
| **Drainge Area** | 148 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the top staff gage. | **Elevation** | +11.204 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 23 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

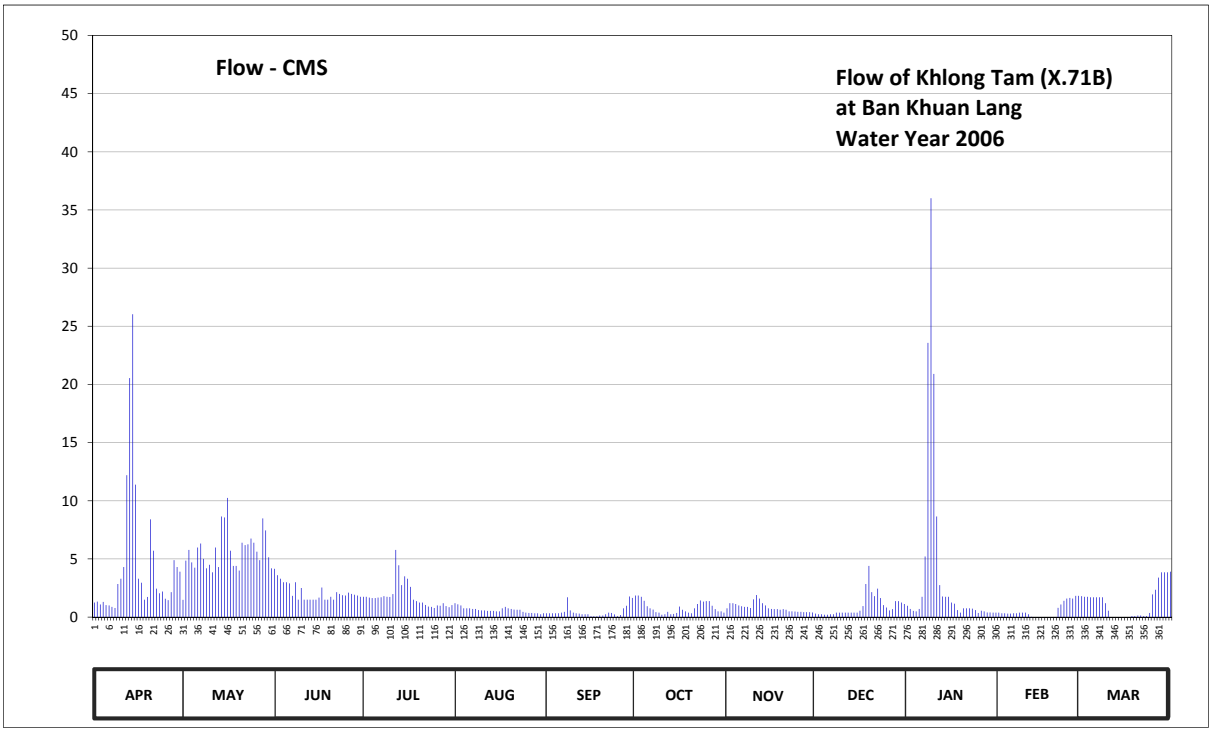
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.90 | 4.99 | 5.63 | 5.10 | 4.88 | 4.53 | 5.14 | 4.70 | 4.52 | 4.79 | 4.55 | 5.12 | |
| 2 | 4.93 | 5.77 | 5.52 | 5.10 | 4.84 | 4.53 | 5.14 | 4.88 | 4.50 | 4.68 | 4.53 | 5.10 | |
| 3 | 4.83 | 5.91 | 5.46 | 5.07 | 4.80 | 4.53 | 5.10 | 4.88 | 4.50 | 4.61 | 4.53 | 5.10 | |
| 4 | 4.92 | 5.74 | 5.40 | 5.05 | 4.70 | 4.53 | 4.96 | 4.85 | 4.48 | 4.60 | 4.52 | 5.08 | |
| 5 | 4.81 | 5.65 | 5.40 | 5.05 | 4.70 | 4.53 | 4.77 | 4.80 | 4.48 | 4.68 | 4.52 | 5.08 | |
| 6 | 4.80 | 5.94 | 5.38 | 5.07 | 4.70 | 4.55 | 4.70 | 4.77 | 4.50 | 5.10 | 4.53 | 5.08 | |
| 7 | 4.75 | 5.99 | 5.13 | 5.08 | 4.68 | 4.58 | 4.66 | 4.75 | 4.50 | 5.83 | 4.53 | 5.08 | |
| 8 | 4.71 | 5.80 | 5.40 | 5.12 | 4.68 | 5.08 | 4.57 | 4.75 | 4.55 | 7.43 | 4.55 | 5.08 | |
| 9 | 5.37 | 5.64 | 5.00 | 5.10 | 4.64 | 4.63 | 4.55 | 4.71 | 4.55 | 7.95 | 4.55 | 4.88 | |
| 10 | 5.46 | 5.70 | 5.30 | 5.09 | 4.63 | 4.55 | 4.48 | 5.01 | 4.55 | 7.28 | 4.55 | 4.62 | |
| 11 | 5.66 | 5.57 | 5.00 | 5.19 | 4.63 | 4.53 | 4.50 | 5.16 | 4.55 | 6.30 | 4.50 | 4.40 | |
| 12 | 6.65 | 5.94 | 5.00 | 5.91 | 4.61 | 4.52 | 4.58 | 5.04 | 4.55 | 5.35 | 4.41 | 4.35 | |
| 13 | 7.26 | 5.66 | 5.00 | 5.69 | 4.61 | 4.50 | 4.50 | 4.88 | 4.55 | 5.11 | 4.20 | 4.35 | |
| 14 | 7.56 | 6.30 | 5.00 | 5.35 | 4.61 | 4.50 | 4.51 | 4.80 | 4.55 | 5.10 | 4.00 | 4.38 | |
| 15 | 6.58 | 6.29 | 5.00 | 5.50 | 4.60 | 4.50 | 4.54 | 4.70 | 4.55 | 5.10 | 4.00 | 4.38 | |
| 16 | 5.46 | 6.47 | 5.07 | 5.46 | 4.60 | 4.43 | 4.76 | 4.68 | 4.62 | 4.90 | 4.00 | 4.34 | |
| 17 | 5.39 | 5.90 | 5.31 | 5.32 | 4.70 | 4.43 | 4.65 | 4.67 | 4.78 | 4.86 | 4.05 | 4.35 | |
| 18 | 5.00 | 5.68 | 5.00 | 5.00 | 4.75 | 4.43 | 4.60 | 4.67 | 5.37 | 4.64 | 4.07 | 4.44 | |
| 19 | 5.09 | 5.68 | 5.00 | 4.95 | 4.70 | 4.45 | 4.55 | 4.65 | 5.68 | 4.55 | 4.09 | 4.44 | |
| 20 | 6.27 | 5.60 | 5.10 | 4.90 | 4.68 | 4.45 | 4.53 | 4.67 | 5.23 | 4.70 | 4.11 | 4.45 | |
| 21 | 5.90 | 6.00 | 5.00 | 4.90 | 4.66 | 4.50 | 4.70 | 4.65 | 5.12 | 4.70 | 4.72 | 4.45 | |
| 22 | 5.29 | 5.97 | 5.23 | 4.82 | 4.65 | 4.55 | 4.85 | 4.60 | 5.29 | 4.70 | 4.83 | 4.44 | |
| 23 | 5.21 | 5.98 | 5.20 | 4.76 | 4.65 | 4.54 | 4.97 | 4.60 | 5.05 | 4.69 | 4.96 | 4.44 | |
| 24 | 5.24 | 6.05 | 5.15 | 4.75 | 4.58 | 4.49 | 4.93 | 4.59 | 4.81 | 4.64 | 5.04 | 4.54 | |
| 25 | 5.03 | 6.00 | 5.14 | 4.71 | 4.55 | 4.43 | 4.95 | 4.58 | 4.73 | 4.54 | 5.06 | 5.18 | |
| 26 | 4.98 | 5.89 | 5.22 | 4.80 | 4.54 | 4.47 | 4.95 | 4.58 | 4.63 | 4.62 | 5.04 | 5.27 | |
| 27 | 5.23 | 5.78 | 5.20 | 4.79 | 4.54 | 4.70 | 4.79 | 4.57 | 4.67 | 4.60 | 5.13 | 5.48 | |
| 28 | 5.78 | 6.28 | 5.17 | 4.88 | 4.53 | 4.79 | 4.67 | 4.57 | 4.95 | 4.56 | 5.13 | 5.57 | |
| 29 | 5.66 | 6.15 | 5.14 | 4.78 | 4.53 | 5.11 | 4.60 | 4.57 | 4.95 | 4.56 | | 5.57 | |
| 30 | 5.58 | 5.82 | 5.10 | 4.74 | 4.50 | 5.06 | 4.60 | 4.56 | 4.90 | 4.55 | | 5.57 | |
| 31 | | 5.64 | | 4.81 | 4.53 | | 4.55 | | 4.85 | 4.55 | | 5.58 | |
| Mean | 5.48 | 5.86 | 5.19 | 5.06 | 4.65 | 4.58 | 4.72 | 4.73 | 4.76 | 5.11 | 4.53 | 4.84 | |
| Max | 7.56 | 6.47 | 5.63 | 5.91 | 4.88 | 5.11 | 5.14 | 5.16 | 5.68 | 7.95 | 5.13 | 5.58 | 7.95 |
| Min | 4.71 | 4.99 | 5.00 | 4.71 | 4.50 | 4.43 | 4.48 | 4.56 | 4.48 | 4.54 | 4.00 | 4.34 | 4.00 |

Annual Max Momentary Gage Height 7.97 m. (MSL.) , at 12.00 Hours , on Jan 9 , 2007

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 4.17 m. (MSL.)

Left Bank Elevation 10.16 m. (MSL.) ,

Right Bank Elevation 10.27 m. (MSL.) , Drainage Are 148 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.25 | 1.48 | 4.15 | 1.75 | 1.20 | 0.33 | 1.85 | 0.75 | 0.30 | 0.98 | 0.38 | 1.80 | | |
| 2 | 1.33 | 4.85 | 3.60 | 1.75 | 1.10 | 0.33 | 1.85 | 1.20 | 0.25 | 0.70 | 0.33 | 1.75 | | |
| 3 | 1.08 | 5.77 | 3.30 | 1.68 | 1.00 | 0.33 | 1.75 | 1.20 | 0.25 | 0.53 | 0.33 | 1.75 | | |
| 4 | 1.30 | 4.70 | 3.00 | 1.63 | 0.75 | 0.33 | 1.40 | 1.13 | 0.20 | 0.50 | 0.30 | 1.70 | | |
| 5 | 1.03 | 4.25 | 3.00 | 1.63 | 0.75 | 0.33 | 0.93 | 1.00 | 0.20 | 0.70 | 0.30 | 1.70 | | |
| 6 | 1.00 | 5.98 | 2.90 | 1.68 | 0.75 | 0.38 | 0.75 | 0.93 | 0.25 | 1.75 | 0.33 | 1.70 | | |
| 7 | 0.88 | 6.33 | 1.83 | 1.70 | 0.70 | 0.45 | 0.65 | 0.88 | 0.25 | 5.21 | 0.33 | 1.70 | | |
| 8 | 0.78 | 5.00 | 3.00 | 1.80 | 0.70 | 1.70 | 0.43 | 0.88 | 0.38 | 23.57 | 0.38 | 1.70 | | |
| 9 | 2.85 | 4.20 | 1.50 | 1.75 | 0.60 | 0.58 | 0.38 | 0.78 | 0.38 | 36.00 | 0.38 | 1.20 | | |
| 10 | 3.30 | 4.50 | 2.50 | 1.73 | 0.58 | 0.38 | 0.20 | 1.53 | 0.38 | 20.90 | 0.38 | 0.55 | | |
| 11 | 4.30 | 3.85 | 1.50 | 1.98 | 0.58 | 0.33 | 0.25 | 1.90 | 0.38 | 8.65 | 0.25 | 0.00 | | |
| 12 | 12.20 | 5.98 | 1.50 | 5.77 | 0.53 | 0.30 | 0.45 | 1.60 | 0.38 | 2.75 | 0.03 | 0.00 | | |
| 13 | 20.55 | 4.30 | 1.50 | 4.45 | 0.53 | 0.25 | 0.25 | 1.20 | 0.38 | 1.78 | 0.00 | 0.00 | | |
| 14 | 26.04 | 8.65 | 1.50 | 2.75 | 0.53 | 0.25 | 0.28 | 1.00 | 0.38 | 1.75 | 0.00 | 0.00 | | |
| 15 | 11.39 | 8.57 | 1.50 | 3.50 | 0.50 | 0.25 | 0.35 | 0.75 | 0.38 | 1.75 | 0.00 | 0.00 | | |
| 16 | 3.30 | 10.24 | 1.68 | 3.30 | 0.50 | 0.08 | 0.90 | 0.70 | 0.55 | 1.25 | 0.00 | 0.00 | | |
| 17 | 2.95 | 5.70 | 2.55 | 2.60 | 0.75 | 0.08 | 0.63 | 0.68 | 0.95 | 1.15 | 0.00 | 0.00 | | |
| 18 | 1.50 | 4.40 | 1.50 | 1.50 | 0.88 | 0.08 | 0.50 | 0.68 | 2.85 | 0.60 | 0.00 | 0.10 | | |
| 19 | 1.73 | 4.40 | 1.50 | 1.38 | 0.75 | 0.13 | 0.38 | 0.63 | 4.40 | 0.38 | 0.00 | 0.10 | | |
| 20 | 8.40 | 4.00 | 1.75 | 1.25 | 0.70 | 0.13 | 0.33 | 0.68 | 2.15 | 0.75 | 0.00 | 0.13 | | |
| 21 | 5.70 | 6.40 | 1.50 | 1.25 | 0.65 | 0.25 | 0.75 | 0.63 | 1.80 | 0.75 | 0.80 | 0.13 | | |
| 22 | 2.45 | 6.19 | 2.15 | 1.05 | 0.63 | 0.38 | 1.13 | 0.50 | 2.45 | 0.75 | 1.08 | 0.10 | | |
| 23 | 2.05 | 6.26 | 2.00 | 0.90 | 0.63 | 0.35 | 1.43 | 0.50 | 1.63 | 0.73 | 1.40 | 0.10 | | |
| 24 | 2.20 | 6.75 | 1.88 | 0.88 | 0.45 | 0.23 | 1.33 | 0.48 | 1.03 | 0.60 | 1.60 | 0.35 | | |
| 25 | 1.58 | 6.40 | 1.85 | 0.78 | 0.38 | 0.08 | 1.38 | 0.45 | 0.83 | 0.35 | 1.65 | 1.95 | | |
| 26 | 1.45 | 5.63 | 2.10 | 1.00 | 0.35 | 0.18 | 1.38 | 0.45 | 0.58 | 0.55 | 1.60 | 2.35 | | |
| 27 | 2.15 | 4.90 | 2.00 | 0.98 | 0.35 | 0.75 | 0.98 | 0.43 | 0.68 | 0.50 | 1.83 | 3.40 | | |
| 28 | 4.90 | 8.48 | 1.93 | 1.20 | 0.33 | 0.98 | 0.68 | 0.43 | 1.38 | 0.40 | 1.83 | 3.85 | | |
| 29 | 4.30 | 7.45 | 1.85 | 0.95 | 0.33 | 1.78 | 0.50 | 0.43 | 1.38 | 0.40 | | 3.85 | | |
| 30 | 3.90 | 5.14 | 1.75 | 0.85 | 0.25 | 1.65 | 0.50 | 0.40 | 1.25 | 0.38 | | 3.85 | | |
| 31 | | 4.20 | | 1.03 | 0.33 | | 0.38 | | 1.13 | 0.38 | | 3.90 | | |
| Total | 137.84 | 174.95 | 64.27 | 56.45 | 19.06 | 13.65 | 24.95 | 24.80 | 29.78 | 117.44 | 15.51 | 39.71 | 718.41 | CMSDAY |
| Mean | 4.59 | 5.64 | 2.14 | 1.82 | 0.61 | 0.46 | 0.80 | 0.83 | 0.96 | 3.79 | 0.55 | 1.28 | 1.97 | CMS |
| Max | 26.04 | 10.24 | 4.15 | 5.77 | 1.20 | 1.78 | 1.85 | 1.90 | 4.40 | 36.00 | 1.83 | 3.90 | 36.00 | CMS |
| Min | 0.78 | 1.48 | 1.50 | 0.78 | 0.25 | 0.08 | 0.20 | 0.40 | 0.20 | 0.35 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 11.91 | 15.12 | 5.55 | 4.88 | 1.65 | 1.18 | 2.16 | 2.14 | 2.57 | 10.15 | 1.34 | 3.43 | 62.07 | MCM |

Momentary Peak 36.60 CMS. at 7.97 m. (MSL.) at 12.00 Hours , on Jan 9 , 2007

Runoff Yield 10.19 Liters/Second/Square KM. Momentary Peak Yield 189.53 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong U - Taphao at Ban Bang Sala , Songkhla (X.90)

Lat 06 - 55 - 39 N Long 100 - 26 - 37 E

**Location : on left bank at the bridge near Wat Bang Sala, Tambon Thung Lan.**

**Ban** Bang Sala **Amphoe** Khlong Hoi Khong **Changwat** Songkhla

| | |
|---|---|
| **Drainge Area** | 1,547 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 20 meters from the top staff gage. **Elevation** +11.027 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 1971 to date |
| **Rating Operation** | |
| **Period of Rating** | 1971 - 1972 , 1979 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1971 - 1972 , 1979 to date |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 32 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

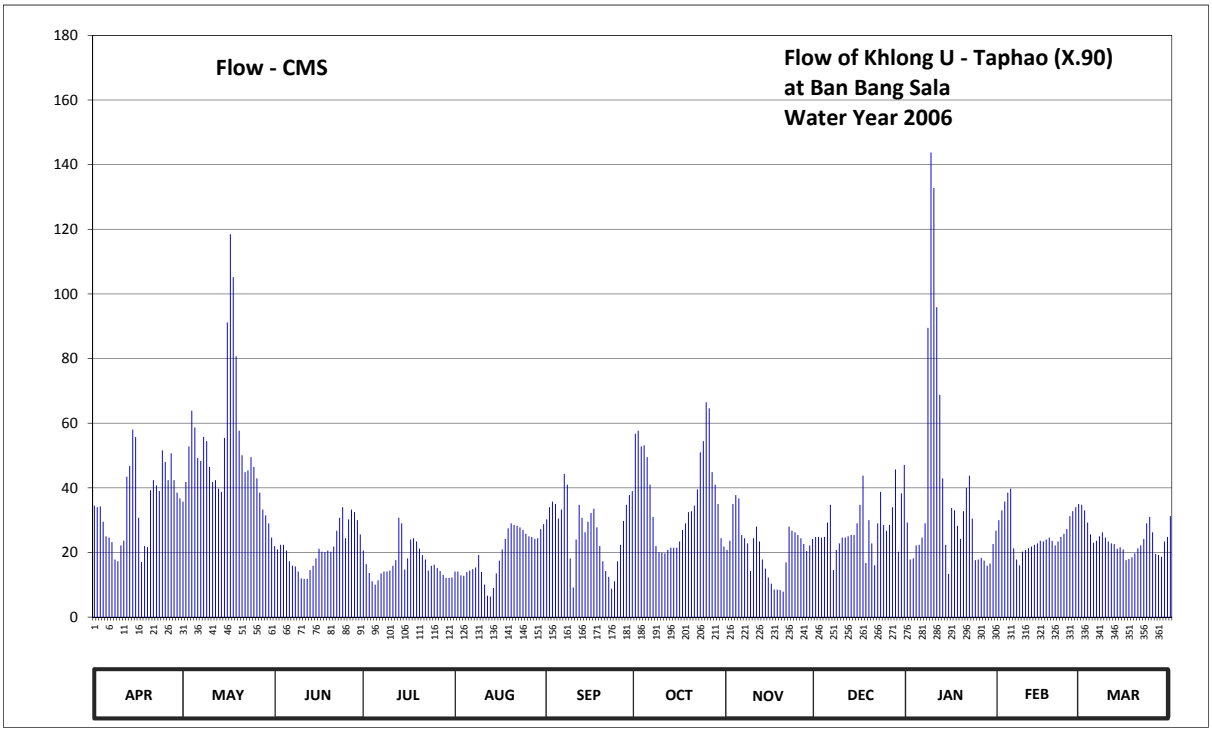
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.14 | 3.19 | 2.60 | 2.52 | 2.14 | 2.97 | 3.93 | 2.53 | 2.74 | 2.93 | 2.96 | 3.15 | |
| 2 | 3.12 | 3.43 | 2.54 | 2.28 | 2.14 | 3.12 | 3.96 | 2.68 | 2.74 | 2.36 | 3.08 | 3.08 | |
| 3 | 3.13 | 3.81 | 2.62 | 2.11 | 2.06 | 3.19 | 3.81 | 3.16 | 2.73 | 2.38 | 3.19 | 2.93 | |
| 4 | 2.94 | 4.13 | 2.62 | 1.94 | 2.05 | 3.16 | 3.82 | 3.27 | 2.74 | 2.61 | 3.30 | 2.78 | |
| 5 | 2.75 | 3.99 | 2.52 | 1.87 | 2.13 | 2.98 | 3.70 | 3.23 | 2.93 | 2.62 | 3.35 | 2.65 | |
| 6 | 2.73 | 3.69 | 2.33 | 1.96 | 2.16 | 3.09 | 3.40 | 2.77 | 3.15 | 2.73 | 2.56 | 2.68 | |
| 7 | 2.66 | 3.66 | 2.25 | 2.10 | 2.19 | 3.52 | 3.00 | 2.72 | 2.17 | 2.92 | 2.36 | 2.75 | |
| 8 | 2.36 | 3.90 | 2.24 | 2.14 | 2.22 | 3.40 | 2.60 | 2.64 | 2.53 | 4.80 | 2.26 | 2.81 | |
| 9 | 2.33 | 3.86 | 2.14 | 2.14 | 2.44 | 2.38 | 2.49 | 2.15 | 2.64 | 5.92 | 2.50 | 2.73 | |
| 10 | 2.61 | 3.60 | 2.00 | 2.16 | 2.13 | 1.81 | 2.48 | 2.72 | 2.73 | 5.71 | 2.53 | 2.67 | |
| 11 | 2.68 | 3.43 | 1.99 | 2.25 | 1.87 | 2.70 | 2.47 | 2.88 | 2.73 | 4.95 | 2.56 | 2.64 | |
| 12 | 3.49 | 3.45 | 1.99 | 2.35 | 1.61 | 3.15 | 2.53 | 2.67 | 2.75 | 4.26 | 2.59 | 2.63 | |
| 13 | 3.61 | 3.35 | 2.17 | 2.99 | 1.59 | 2.99 | 2.57 | 2.36 | 2.77 | 3.47 | 2.62 | 2.55 | |
| 14 | 3.97 | 3.31 | 2.25 | 2.92 | 1.80 | 2.81 | 2.57 | 2.20 | 2.77 | 2.62 | 2.64 | 2.58 | |
| 15 | 3.90 | 3.89 | 2.38 | 2.18 | 2.10 | 2.94 | 2.57 | 2.02 | 2.92 | 2.09 | 2.68 | 2.54 | |
| 16 | 2.99 | 4.84 | 2.55 | 2.38 | 2.34 | 3.05 | 2.67 | 1.89 | 3.15 | 3.11 | 2.67 | 2.35 | |
| 17 | 2.32 | 5.43 | 2.50 | 2.70 | 2.54 | 3.10 | 2.84 | 1.76 | 3.50 | 3.08 | 2.70 | 2.37 | |
| 18 | 2.60 | 5.16 | 2.49 | 2.72 | 2.71 | 2.87 | 2.92 | 1.76 | 2.30 | 2.89 | 2.73 | 2.40 | |
| 19 | 2.58 | 4.58 | 2.52 | 2.67 | 2.86 | 2.60 | 3.06 | 1.75 | 2.96 | 2.71 | 2.68 | 2.47 | |
| 20 | 3.33 | 3.96 | 2.50 | 2.55 | 2.92 | 2.33 | 3.07 | 1.71 | 2.64 | 3.07 | 2.61 | 2.56 | |
| 21 | 3.45 | 3.72 | 2.59 | 2.44 | 2.90 | 2.15 | 3.14 | 2.31 | 2.26 | 3.36 | 2.67 | 2.61 | |
| 22 | 3.39 | 3.54 | 2.83 | 2.36 | 2.89 | 2.03 | 3.34 | 2.88 | 2.92 | 3.50 | 2.74 | 2.71 | |
| 23 | 3.32 | 3.56 | 2.99 | 2.16 | 2.87 | 1.78 | 3.75 | 2.83 | 3.31 | 2.98 | 2.79 | 2.92 | |
| 24 | 3.77 | 3.70 | 3.12 | 2.25 | 2.84 | 1.94 | 3.86 | 2.81 | 2.90 | 2.35 | 2.85 | 3.00 | |
| 25 | 3.65 | 3.60 | 2.72 | 2.27 | 2.79 | 2.33 | 4.20 | 2.77 | 2.83 | 2.36 | 3.01 | 2.81 | |
| 26 | 3.45 | 3.47 | 2.97 | 2.21 | 2.75 | 2.62 | 4.15 | 2.72 | 2.90 | 2.39 | 3.07 | 2.46 | |
| 27 | 3.74 | 3.30 | 3.09 | 2.15 | 2.74 | 2.95 | 3.54 | 2.63 | 3.12 | 2.34 | 3.12 | 2.44 | |
| 28 | 3.45 | 3.09 | 3.06 | 2.07 | 2.71 | 3.15 | 3.40 | 2.51 | 3.57 | 2.25 | 3.16 | 2.41 | |
| 29 | 3.30 | 3.02 | 2.96 | 2.01 | 2.72 | 3.27 | 3.16 | 2.61 | 2.50 | 2.29 | | 2.67 | |
| 30 | 3.23 | 2.92 | 2.78 | 2.01 | 2.85 | 3.32 | 2.72 | 2.71 | 3.29 | 2.63 | | 2.74 | |
| 31 | | 2.73 | | 2.02 | 2.91 | | 2.59 | | 3.62 | 2.83 | | 3.01 | |
| Mean | 3.13 | 3.72 | 2.54 | 2.29 | 2.42 | 2.79 | 3.17 | 2.52 | 2.86 | 3.11 | 2.79 | 2.68 | |
| Max | 3.97 | 5.43 | 3.12 | 2.99 | 2.92 | 3.52 | 4.20 | 3.27 | 3.62 | 5.92 | 3.35 | 3.15 | 5.92 |
| Min | 2.32 | 2.73 | 1.99 | 1.87 | 1.59 | 1.78 | 2.47 | 1.71 | 2.17 | 2.09 | 2.26 | 2.35 | 1.59 |

Annual Max Momentary Gage Height 5.94 m. (MSL.) , at 12.00 Hours , on Jan 9, 2007

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 0.00 m. (MSL.)

Left Bank Elevation 9.99 m. (MSL.) ,

Right Bank Elevation 10.87 m. (MSL.) , Drainage Are 1,547 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34.50 | 35.75 | 22.00 | 20.60 | 14.10 | 30.25 | 56.73 | 20.78 | 24.80 | 29.25 | 30.00 | 34.75 | | |
| 2 | 34.00 | 41.83 | 20.95 | 16.40 | 14.10 | 34.00 | 57.70 | 23.60 | 24.80 | 17.80 | 33.00 | 33.00 | | |
| 3 | 34.25 | 52.83 | 22.40 | 13.65 | 12.90 | 35.75 | 52.83 | 35.00 | 24.60 | 18.15 | 35.75 | 29.25 | | |
| 4 | 29.50 | 63.88 | 22.40 | 11.10 | 12.75 | 35.00 | 53.15 | 37.75 | 24.80 | 22.20 | 38.50 | 25.60 | | |
| 5 | 25.00 | 58.68 | 20.60 | 10.05 | 13.95 | 30.50 | 49.50 | 36.75 | 29.25 | 22.40 | 39.75 | 23.00 | | |
| 6 | 24.60 | 49.20 | 17.28 | 11.40 | 14.40 | 33.25 | 41.00 | 25.40 | 34.75 | 24.60 | 21.30 | 23.60 | | |
| 7 | 23.20 | 48.30 | 15.88 | 13.50 | 14.85 | 44.30 | 31.00 | 24.40 | 14.55 | 29.00 | 17.80 | 25.00 | | |
| 8 | 17.80 | 55.75 | 15.70 | 14.10 | 15.35 | 41.00 | 22.00 | 22.80 | 20.78 | 89.50 | 16.05 | 26.25 | | |
| 9 | 17.28 | 54.45 | 14.10 | 14.10 | 19.20 | 18.15 | 20.08 | 14.25 | 22.80 | 143.80 | 20.25 | 24.60 | | |
| 10 | 22.20 | 46.50 | 12.00 | 14.40 | 13.95 | 9.15 | 19.90 | 24.40 | 24.60 | 132.78 | 20.78 | 23.40 | | |
| 11 | 23.60 | 41.83 | 11.85 | 15.88 | 10.05 | 24.00 | 19.73 | 28.00 | 24.60 | 95.88 | 21.30 | 22.80 | | |
| 12 | 43.48 | 42.38 | 11.85 | 17.63 | 6.63 | 34.75 | 20.78 | 23.40 | 25.00 | 68.75 | 21.83 | 22.60 | | |
| 13 | 46.80 | 39.75 | 14.55 | 30.75 | 6.38 | 30.75 | 21.48 | 17.80 | 25.40 | 42.93 | 22.40 | 21.13 | | |
| 14 | 58.03 | 38.75 | 15.88 | 29.00 | 9.00 | 26.25 | 21.48 | 15.00 | 25.40 | 22.40 | 22.80 | 21.65 | | |
| 15 | 55.75 | 55.43 | 18.15 | 14.70 | 13.50 | 29.50 | 21.48 | 12.30 | 29.00 | 13.35 | 23.60 | 20.95 | | |
| 16 | 30.75 | 91.20 | 21.13 | 18.15 | 17.45 | 32.25 | 23.40 | 10.35 | 34.75 | 33.75 | 23.40 | 17.63 | | |
| 17 | 17.10 | 118.50 | 20.25 | 24.00 | 20.95 | 33.50 | 27.00 | 8.50 | 43.75 | 33.00 | 24.00 | 17.98 | | |
| 18 | 22.00 | 105.20 | 20.08 | 24.40 | 24.20 | 27.75 | 29.00 | 8.50 | 16.75 | 28.25 | 24.60 | 18.50 | | |
| 19 | 21.65 | 80.75 | 20.60 | 23.40 | 27.50 | 22.00 | 32.50 | 8.38 | 30.00 | 24.20 | 23.60 | 19.73 | | |
| 20 | 39.25 | 57.70 | 20.25 | 21.13 | 29.00 | 17.28 | 32.75 | 7.88 | 22.80 | 32.75 | 22.20 | 21.30 | | |
| 21 | 42.38 | 50.10 | 21.83 | 19.20 | 28.50 | 14.25 | 34.50 | 16.93 | 16.05 | 40.00 | 23.40 | 22.20 | | |
| 22 | 40.75 | 44.85 | 26.75 | 17.80 | 28.25 | 12.45 | 39.50 | 28.00 | 29.00 | 43.75 | 24.80 | 24.20 | | |
| 23 | 39.00 | 45.40 | 30.75 | 14.40 | 27.75 | 8.75 | 51.00 | 26.75 | 38.75 | 30.50 | 25.80 | 29.00 | | |
| 24 | 51.60 | 49.50 | 34.00 | 15.88 | 27.00 | 11.10 | 54.45 | 26.25 | 28.50 | 17.63 | 27.25 | 31.00 | | |
| 25 | 48.00 | 46.50 | 24.40 | 16.23 | 25.80 | 17.28 | 66.50 | 25.40 | 26.75 | 17.80 | 31.25 | 26.25 | | |
| 26 | 42.38 | 42.93 | 30.25 | 15.18 | 25.00 | 22.40 | 64.63 | 24.40 | 28.50 | 18.33 | 32.75 | 19.55 | | |
| 27 | 50.70 | 38.50 | 33.25 | 14.25 | 24.80 | 29.75 | 44.85 | 22.60 | 34.00 | 17.45 | 34.00 | 19.20 | | |
| 28 | 42.38 | 33.25 | 32.50 | 13.05 | 24.20 | 34.75 | 41.00 | 20.43 | 45.68 | 15.88 | 35.00 | 18.68 | | |
| 29 | 38.50 | 31.50 | 30.00 | 12.15 | 24.40 | 37.75 | 35.00 | 22.20 | 20.25 | 16.58 | | 23.40 | | |
| 30 | 36.75 | 29.00 | 25.60 | 12.15 | 27.25 | 39.00 | 24.40 | 24.20 | 38.25 | 22.60 | | 24.80 | | |
| 31 | | 24.60 | | 12.30 | 28.75 | | 21.83 | | 47.10 | 26.75 | | 31.25 | | |
| Total | 1053.18 | 1614.79 | 647.23 | 520.93 | 601.91 | 816.86 | 1131.15 | 642.40 | 876.01 | 1192.01 | 737.16 | 742.25 | 10575.88 | CMSDAY |
| Mean | 35.11 | 52.09 | 21.57 | 16.80 | 19.42 | 27.23 | 36.49 | 21.41 | 28.26 | 38.45 | 26.33 | 23.94 | 28.98 | CMS |
| Max | 58.03 | 118.50 | 34.00 | 30.75 | 29.00 | 44.30 | 66.50 | 37.75 | 47.10 | 143.80 | 39.75 | 34.75 | 143.80 | CMS |
| Min | 17.10 | 24.60 | 11.85 | 10.05 | 6.38 | 8.75 | 19.73 | 7.88 | 14.55 | 13.35 | 16.05 | 17.63 | 6.38 | CMS |
| Runoff | 90.99 | 139.52 | 55.92 | 45.01 | 52.01 | 70.58 | 97.73 | 55.50 | 75.69 | 102.99 | 63.69 | 64.13 | 913.76 | MCM |

Momentary Peak 144.85 CMS. at 5.94 m. (MSL.) at 12.00 Hours , on Jan 9, 2007

Runoff Yield 18.73 Liters/Second/Square KM. Momentary Peak Yield 93.64 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Bang Kaeo at Ban Khuan In No Mo , Phutthalung (X.109)

Lat 07 - 20 - 29 N Long 100 - 03 - 35 E

**Location : on left bank at Ban Khuan In No Mo.**

**Ban** Khuan In No Mo **Amphoe** Ta Mot **Changwat** Phatthalung

| | |
|---|---|
| **Drainge Area** | 131 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank near the Meteorological Station. **Elevation** +32.764 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1979 to date. |
| **Rating Operation** | |
| **Period of Rating** | 1979 to date. |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1979 to date. |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

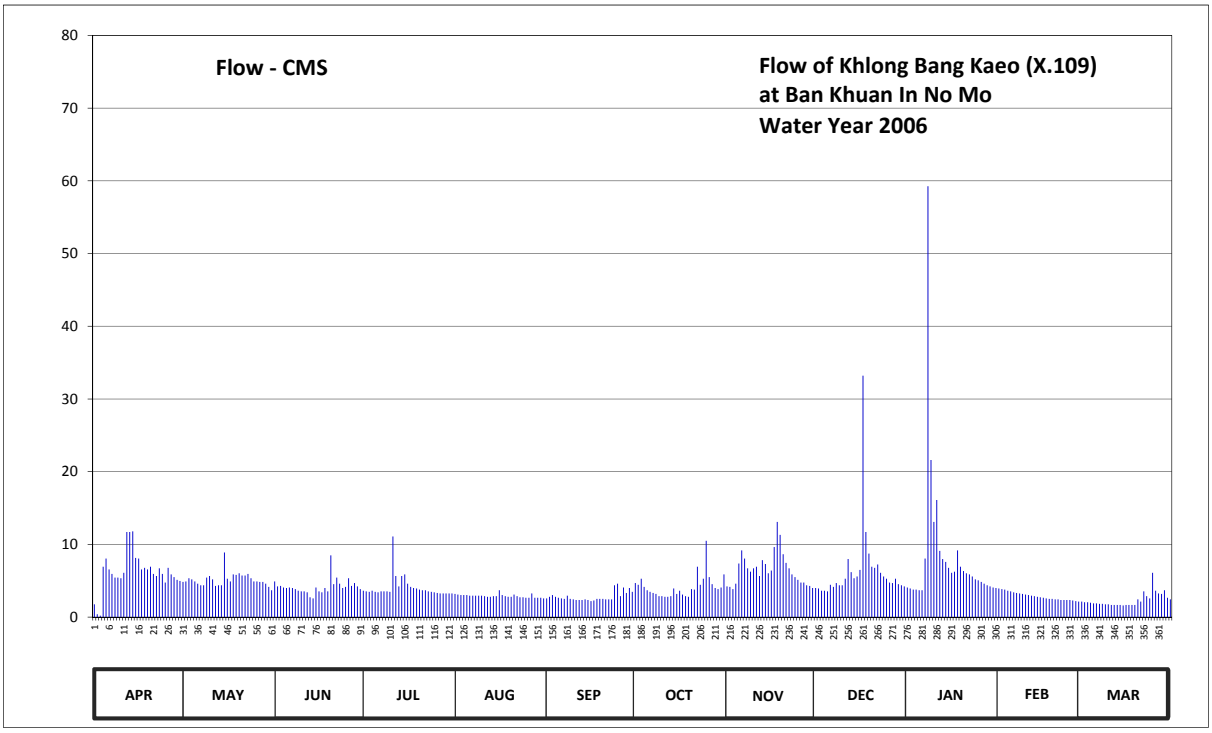
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26.30 | 26.71 | 26.72 | 26.55 | 26.49 | 26.41 | 26.69 | 26.63 | 26.60 | 26.61 | 26.59 | 26.35 | |
| 2 | 26.08 | 26.72 | 26.63 | 26.54 | 26.48 | 26.44 | 26.66 | 26.62 | 26.59 | 26.59 | 26.58 | 26.34 | |
| 3 | 26.04 | 26.78 | 26.64 | 26.53 | 26.47 | 26.47 | 26.77 | 26.58 | 26.55 | 26.57 | 26.57 | 26.34 | |
| 4 | 26.99 | 26.76 | 26.61 | 26.55 | 26.47 | 26.44 | 26.62 | 26.68 | 26.55 | 26.57 | 26.55 | 26.33 | |
| 5 | 27.14 | 26.72 | 26.60 | 26.53 | 26.47 | 26.42 | 26.56 | 27.05 | 26.54 | 26.56 | 26.54 | 26.32 | |
| 6 | 26.94 | 26.68 | 26.61 | 26.52 | 26.46 | 26.41 | 26.53 | 27.29 | 26.66 | 26.56 | 26.52 | 26.32 | |
| 7 | 26.86 | 26.65 | 26.60 | 26.54 | 26.46 | 26.40 | 26.51 | 27.14 | 26.62 | 27.14 | 26.51 | 26.31 | |
| 8 | 26.79 | 26.65 | 26.58 | 26.54 | 26.46 | 26.46 | 26.49 | 26.96 | 26.69 | 29.75 | 26.50 | 26.31 | |
| 9 | 26.79 | 26.79 | 26.55 | 26.54 | 26.46 | 26.40 | 26.45 | 26.90 | 26.65 | 28.28 | 26.49 | 26.30 | |
| 10 | 26.78 | 26.82 | 26.54 | 26.53 | 26.46 | 26.39 | 26.45 | 26.96 | 26.65 | 27.71 | 26.48 | 26.30 | |
| 11 | 26.88 | 26.76 | 26.54 | 27.51 | 26.45 | 26.38 | 26.44 | 26.99 | 26.77 | 27.94 | 26.47 | 26.29 | |
| 12 | 27.57 | 26.64 | 26.52 | 26.82 | 26.44 | 26.38 | 26.44 | 26.82 | 27.13 | 27.28 | 26.46 | 26.29 | |
| 13 | 27.57 | 26.65 | 26.43 | 26.63 | 26.44 | 26.38 | 26.45 | 27.11 | 26.89 | 27.13 | 26.45 | 26.29 | |
| 14 | 27.58 | 26.65 | 26.41 | 26.82 | 26.45 | 26.39 | 26.59 | 27.04 | 26.78 | 27.08 | 26.44 | 26.29 | |
| 15 | 27.15 | 27.25 | 26.61 | 26.85 | 26.45 | 26.38 | 26.49 | 26.87 | 26.81 | 26.97 | 26.43 | 26.28 | |
| 16 | 27.14 | 26.77 | 26.54 | 26.68 | 26.56 | 26.36 | 26.55 | 26.92 | 26.93 | 26.88 | 26.42 | 26.29 | |
| 17 | 26.94 | 26.72 | 26.52 | 26.62 | 26.47 | 26.37 | 26.48 | 27.35 | 28.86 | 26.90 | 26.41 | 26.29 | |
| 18 | 26.97 | 26.85 | 26.60 | 26.60 | 26.45 | 26.40 | 26.45 | 27.71 | 27.57 | 27.29 | 26.40 | 26.29 | |
| 19 | 26.94 | 26.84 | 26.54 | 26.59 | 26.44 | 26.40 | 26.44 | 27.53 | 27.23 | 26.99 | 26.40 | 26.29 | |
| 20 | 26.99 | 26.87 | 27.20 | 26.57 | 26.44 | 26.40 | 26.58 | 27.22 | 26.99 | 26.91 | 26.39 | 26.39 | |
| 21 | 26.86 | 26.83 | 26.67 | 26.56 | 26.48 | 26.39 | 26.57 | 27.06 | 26.97 | 26.87 | 26.39 | 26.35 | |
| 22 | 26.82 | 26.83 | 26.79 | 26.56 | 26.45 | 26.39 | 26.99 | 26.96 | 27.03 | 26.85 | 26.38 | 26.54 | |
| 23 | 26.96 | 26.86 | 26.68 | 26.54 | 26.43 | 26.39 | 26.66 | 26.85 | 26.88 | 26.81 | 26.38 | 26.45 | |
| 24 | 26.86 | 26.78 | 26.60 | 26.53 | 26.43 | 26.65 | 26.77 | 26.80 | 26.81 | 26.76 | 26.38 | 26.41 | |
| 25 | 26.70 | 26.72 | 26.62 | 26.52 | 26.42 | 26.68 | 27.45 | 26.75 | 26.77 | 26.74 | 26.38 | 26.88 | |
| 26 | 26.97 | 26.72 | 26.78 | 26.51 | 26.42 | 26.45 | 26.80 | 26.70 | 26.70 | 26.71 | 26.37 | 26.55 | |
| 27 | 26.85 | 26.71 | 26.64 | 26.50 | 26.50 | 26.61 | 26.67 | 26.70 | 26.69 | 26.68 | 26.36 | 26.50 | |
| 28 | 26.80 | 26.71 | 26.69 | 26.50 | 26.42 | 26.51 | 26.60 | 26.65 | 26.77 | 26.65 | 26.35 | 26.49 | |
| 29 | 26.75 | 26.68 | 26.63 | 26.50 | 26.42 | 26.60 | 26.58 | 26.64 | 26.67 | 26.63 | | 26.56 | |
| 30 | 26.73 | 26.62 | 26.58 | 26.50 | 26.42 | 26.53 | 26.61 | 26.60 | 26.65 | 26.61 | | 26.42 | |
| 31 | | 26.56 | | 26.50 | 26.41 | | 26.85 | | 26.63 | 26.60 | | 26.39 | |
| Mean | 26.89 | 26.75 | 26.62 | 26.61 | 26.45 | 26.44 | 26.62 | 26.94 | 26.86 | 27.02 | 26.45 | 26.38 | |
| Max | 27.58 | 27.25 | 27.20 | 27.51 | 26.56 | 26.68 | 27.45 | 27.71 | 28.86 | 29.75 | 26.59 | 26.88 | 29.75 |
| Min | 26.04 | 26.56 | 26.41 | 26.50 | 26.41 | 26.36 | 26.44 | 26.58 | 26.54 | 26.56 | 26.35 | 26.28 | 26.04 |

Annual Max Momentary Gage Height 30.05 m. (MSL.) , at 06.00 Hours , on Jan 8, 2007

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 25.96 m. (MSL.)

Left Bank Elevation 35.64 m. (MSL.) ,

Right Bank Elevation 36.33 m. (MSL.) , Drainage Are 131 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.75 | 4.83 | 4.90 | 3.63 | 3.18 | 2.58 | 4.68 | 4.23 | 4.00 | 4.08 | 3.93 | 2.13 | | |
| 2 | 0.40 | 4.90 | 4.23 | 3.55 | 3.10 | 2.80 | 4.45 | 4.15 | 3.93 | 3.93 | 3.85 | 2.05 | | |
| 3 | 0.20 | 5.35 | 4.30 | 3.48 | 3.03 | 3.03 | 5.28 | 3.85 | 3.63 | 3.78 | 3.78 | 2.05 | | |
| 4 | 6.93 | 5.20 | 4.08 | 3.63 | 3.03 | 2.80 | 4.15 | 4.60 | 3.63 | 3.78 | 3.63 | 1.98 | | |
| 5 | 8.05 | 4.90 | 4.00 | 3.48 | 3.03 | 2.65 | 3.70 | 7.38 | 3.55 | 3.70 | 3.55 | 1.90 | | |
| 6 | 6.55 | 4.60 | 4.08 | 3.40 | 2.95 | 2.58 | 3.48 | 9.18 | 4.45 | 3.70 | 3.40 | 1.90 | | |
| 7 | 5.95 | 4.38 | 4.00 | 3.55 | 2.95 | 2.50 | 3.33 | 8.05 | 4.15 | 8.05 | 3.33 | 1.83 | | |
| 8 | 5.43 | 4.38 | 3.85 | 3.55 | 2.95 | 2.95 | 3.18 | 6.70 | 4.68 | 59.25 | 3.25 | 1.83 | | |
| 9 | 5.43 | 5.43 | 3.63 | 3.55 | 2.95 | 2.50 | 2.88 | 6.25 | 4.38 | 21.60 | 3.18 | 1.75 | | |
| 10 | 5.35 | 5.65 | 3.55 | 3.48 | 2.95 | 2.43 | 2.88 | 6.70 | 4.38 | 13.10 | 3.10 | 1.75 | | |
| 11 | 6.10 | 5.20 | 3.55 | 11.10 | 2.88 | 2.35 | 2.80 | 6.93 | 5.28 | 16.10 | 3.03 | 1.68 | | |
| 12 | 11.70 | 4.30 | 3.40 | 5.65 | 2.80 | 2.35 | 2.80 | 5.65 | 7.98 | 9.10 | 2.95 | 1.68 | | |
| 13 | 11.70 | 4.38 | 2.73 | 4.23 | 2.80 | 2.35 | 2.88 | 7.83 | 6.18 | 7.98 | 2.88 | 1.68 | | |
| 14 | 11.80 | 4.38 | 2.58 | 5.65 | 2.88 | 2.43 | 3.93 | 7.30 | 5.35 | 7.60 | 2.80 | 1.68 | | |
| 15 | 8.13 | 8.88 | 4.08 | 5.88 | 2.88 | 2.35 | 3.18 | 6.03 | 5.58 | 6.78 | 2.73 | 1.60 | | |
| 16 | 8.05 | 5.28 | 3.55 | 4.60 | 3.70 | 2.20 | 3.63 | 6.40 | 6.48 | 6.10 | 2.65 | 1.68 | | |
| 17 | 6.55 | 4.90 | 3.40 | 4.15 | 3.03 | 2.28 | 3.10 | 9.63 | 33.20 | 6.25 | 2.58 | 1.68 | | |
| 18 | 6.78 | 5.88 | 4.00 | 4.00 | 2.88 | 2.50 | 2.88 | 13.10 | 11.70 | 9.18 | 2.50 | 1.68 | | |
| 19 | 6.55 | 5.80 | 3.55 | 3.93 | 2.80 | 2.50 | 2.80 | 11.30 | 8.73 | 6.93 | 2.50 | 1.68 | | |
| 20 | 6.93 | 6.03 | 8.50 | 3.78 | 2.80 | 2.50 | 3.85 | 8.65 | 6.93 | 6.33 | 2.43 | 2.43 | | |
| 21 | 5.95 | 5.73 | 4.53 | 3.70 | 3.10 | 2.43 | 3.78 | 7.45 | 6.78 | 6.03 | 2.43 | 2.13 | | |
| 22 | 5.65 | 5.73 | 5.43 | 3.70 | 2.88 | 2.43 | 6.93 | 6.70 | 7.23 | 5.88 | 2.35 | 3.55 | | |
| 23 | 6.70 | 5.95 | 4.60 | 3.55 | 2.73 | 2.43 | 4.45 | 5.88 | 6.10 | 5.58 | 2.35 | 2.88 | | |
| 24 | 5.95 | 5.35 | 4.00 | 3.48 | 2.73 | 4.38 | 5.28 | 5.50 | 5.58 | 5.20 | 2.35 | 2.58 | | |
| 25 | 4.75 | 4.90 | 4.15 | 3.40 | 2.65 | 4.60 | 10.50 | 5.13 | 5.28 | 5.05 | 2.35 | 6.10 | | |
| 26 | 6.78 | 4.90 | 5.35 | 3.33 | 2.65 | 2.88 | 5.50 | 4.75 | 4.75 | 4.83 | 2.28 | 3.63 | | |
| 27 | 5.88 | 4.83 | 4.30 | 3.25 | 3.25 | 4.08 | 4.53 | 4.75 | 4.68 | 4.60 | 2.20 | 3.25 | | |
| 28 | 5.50 | 4.83 | 4.68 | 3.25 | 2.65 | 3.33 | 4.00 | 4.38 | 5.28 | 4.38 | 2.13 | 3.18 | | |
| 29 | 5.13 | 4.60 | 4.23 | 3.25 | 2.65 | 4.00 | 3.85 | 4.30 | 4.53 | 4.23 | | 3.70 | | |
| 30 | 4.98 | 4.15 | 3.85 | 3.25 | 2.65 | 3.48 | 4.08 | 4.00 | 4.38 | 4.08 | | 2.65 | | |
| 31 | | 3.70 | | 3.25 | 2.58 | | 5.88 | | 4.23 | 4.00 | | 2.43 | | |
| Total | 187.60 | 159.32 | 125.08 | 125.68 | 90.09 | 84.67 | 128.64 | 196.75 | 197.01 | 261.18 | 80.49 | 72.72 | 1709.23 | CMSDAY |
| Mean | 6.25 | 5.14 | 4.17 | 4.05 | 2.91 | 2.82 | 4.15 | 6.56 | 6.36 | 8.43 | 2.87 | 2.35 | 4.68 | CMS |
| Max | 11.80 | 8.88 | 8.50 | 11.10 | 3.70 | 4.60 | 10.50 | 13.10 | 33.20 | 59.25 | 3.93 | 6.10 | 59.25 | CMS |
| Min | 0.20 | 3.70 | 2.58 | 3.25 | 2.58 | 2.20 | 2.80 | 3.85 | 3.55 | 3.70 | 2.13 | 1.60 | 0.20 | CMS |
| Runoff | 16.21 | 13.77 | 10.81 | 10.86 | 7.78 | 7.32 | 11.11 | 17.00 | 17.02 | 22.57 | 6.95 | 6.28 | 147.68 | MCM |

Momentary Peak 71.25 CMS. at 30.05 m. (MSL.) at 06.00 Hours , on Jan 8, 2007

Runoff Yield 35.76 Liters/Second/Square KM. Momentary Peak Yield 544.06 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Sadao at Ban Sai, Songkhla (X.111)

Lat 06 - 39 - 37 N Long 100 - 26 - 08 E

**Location : on left bank at Ban Sai.**

| | | | |
|---|---|---|---|
| | **Ban** Sai | **Amphoe** Sadao | **Changwat** Songkhla |
| **Drainge Area** | 245 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | **Elevation** | +33.335 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 1979 to date. | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1979 to date. | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1979 to date. | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 19 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

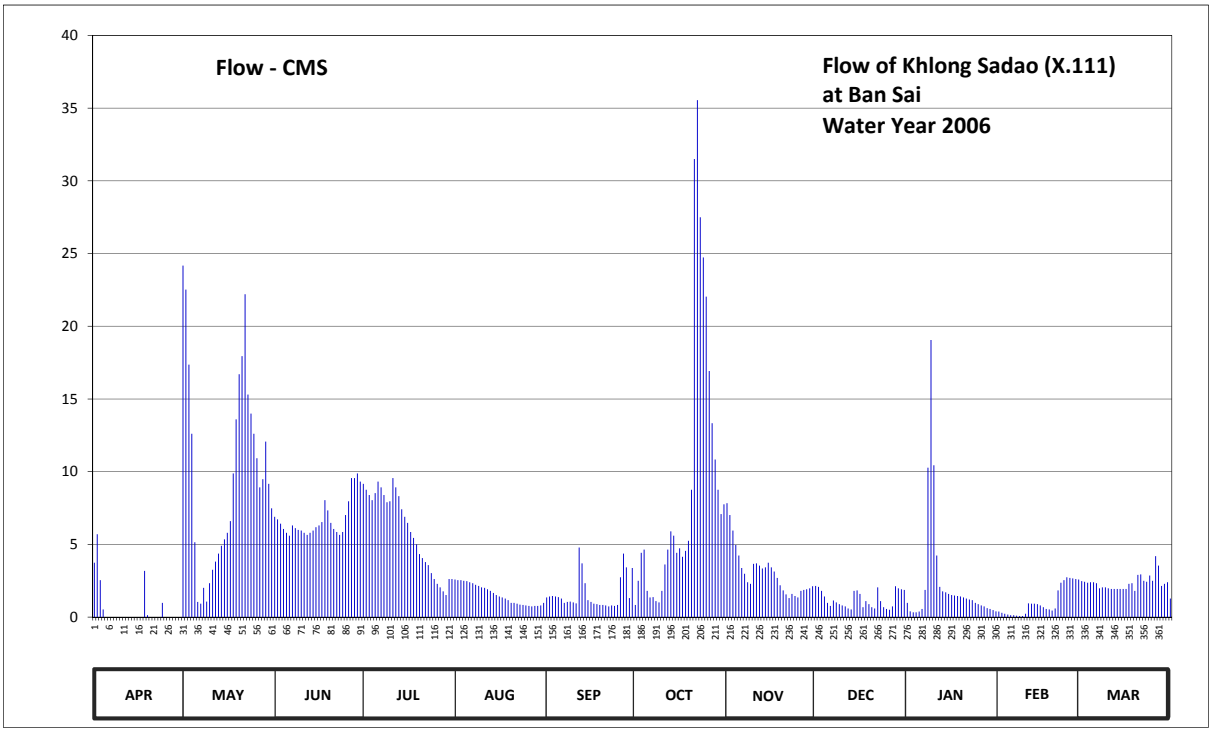
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27.31 | 29.62 | 27.95 | 28.27 | 27.02 | 26.67 | 26.51 | 28.09 | 26.90 | 26.56 | 26.35 | 26.99 | |
| 2 | 27.74 | 29.52 | 27.92 | 28.22 | 27.01 | 26.69 | 27.00 | 27.97 | 26.88 | 26.36 | 26.32 | 26.98 | |
| 3 | 27.01 | 29.16 | 27.87 | 28.17 | 27.01 | 26.70 | 27.47 | 27.79 | 26.80 | 26.33 | 26.29 | 26.96 | |
| 4 | 26.41 | 28.69 | 27.81 | 28.12 | 27.00 | 26.69 | 27.52 | 27.59 | 26.69 | 26.33 | 26.27 | 26.97 | |
| 5 | 26.20 | 27.63 | 27.76 | 28.19 | 26.99 | 26.68 | 26.80 | 27.43 | 26.56 | 26.35 | 26.25 | 26.97 | |
| 6 | 25.78 | 26.58 | 27.72 | 28.29 | 26.97 | 26.65 | 26.67 | 27.22 | 26.49 | 26.42 | 26.25 | 26.95 | |
| 7 | 25.53 | 26.54 | 27.85 | 28.24 | 26.95 | 26.56 | 26.68 | 27.12 | 26.61 | 26.82 | 26.24 | 26.85 | |
| 8 | 25.56 | 26.86 | 27.82 | 28.17 | 26.92 | 26.58 | 26.60 | 26.97 | 26.57 | 28.41 | 26.23 | 26.87 | |
| 9 | 25.42 | 26.59 | 27.80 | 28.10 | 26.90 | 26.59 | 26.57 | 26.94 | 26.53 | 29.29 | 26.23 | 26.87 | |
| 10 | 24.77 | 26.95 | 27.79 | 28.11 | 26.87 | 26.57 | 26.80 | 27.29 | 26.50 | 28.43 | 26.29 | 26.85 | |
| 11 | 23.32 | 27.19 | 27.76 | 28.32 | 26.86 | 26.55 | 27.28 | 27.30 | 26.48 | 27.43 | 26.55 | 26.84 | |
| 12 | 22.42 | 27.33 | 27.73 | 28.24 | 26.83 | 27.55 | 27.52 | 27.26 | 26.43 | 26.88 | 26.54 | 26.84 | |
| 13 | 22.28 | 27.46 | 27.76 | 28.16 | 26.80 | 27.30 | 27.78 | 27.21 | 26.41 | 26.79 | 26.54 | 26.84 | |
| 14 | 22.35 | 27.58 | 27.79 | 28.03 | 26.76 | 26.95 | 27.72 | 27.23 | 26.80 | 26.77 | 26.53 | 26.84 | |
| 15 | 23.75 | 27.67 | 27.83 | 27.95 | 26.72 | 26.62 | 27.47 | 27.31 | 26.81 | 26.74 | 26.50 | 26.84 | |
| 16 | 24.56 | 27.76 | 27.85 | 27.88 | 26.69 | 26.58 | 27.54 | 27.23 | 26.74 | 26.72 | 26.46 | 26.84 | |
| 17 | 25.67 | 27.90 | 27.89 | 27.77 | 26.67 | 26.54 | 27.41 | 27.16 | 26.46 | 26.71 | 26.42 | 26.94 | |
| 18 | 27.17 | 28.36 | 28.12 | 27.69 | 26.65 | 26.53 | 27.50 | 27.05 | 26.60 | 26.70 | 26.41 | 26.95 | |
| 19 | 26.25 | 28.80 | 28.02 | 27.60 | 26.62 | 26.51 | 27.65 | 26.91 | 26.53 | 26.69 | 26.38 | 26.80 | |
| 20 | 24.83 | 29.10 | 27.88 | 27.45 | 26.56 | 26.51 | 28.22 | 26.81 | 26.46 | 26.67 | 26.43 | 27.10 | |
| 21 | 23.46 | 29.21 | 27.81 | 27.39 | 26.56 | 26.50 | 30.00 | 26.73 | 26.43 | 26.65 | 26.81 | 27.11 | |
| 22 | 24.79 | 29.50 | 27.77 | 27.32 | 26.54 | 26.48 | 30.18 | 26.66 | 26.87 | 26.63 | 26.96 | 27.00 | |
| 23 | 25.74 | 28.97 | 27.73 | 27.27 | 26.52 | 26.50 | 29.80 | 26.74 | 26.60 | 26.62 | 27.01 | 26.98 | |
| 24 | 26.56 | 28.84 | 27.77 | 27.13 | 26.51 | 26.49 | 29.65 | 26.70 | 26.46 | 26.56 | 27.06 | 27.09 | |
| 25 | 26.18 | 28.69 | 27.97 | 27.03 | 26.50 | 26.51 | 29.49 | 26.67 | 26.42 | 26.53 | 27.05 | 27.00 | |
| 26 | 24.98 | 28.49 | 28.11 | 26.94 | 26.49 | 27.06 | 29.12 | 26.80 | 26.40 | 26.50 | 27.04 | 27.42 | |
| 27 | 23.91 | 28.24 | 28.32 | 26.87 | 26.48 | 27.46 | 28.77 | 26.82 | 26.48 | 26.48 | 27.03 | 27.26 | |
| 28 | 23.92 | 28.31 | 28.32 | 26.79 | 26.49 | 27.23 | 28.48 | 26.83 | 26.89 | 26.44 | 27.02 | 26.90 | |
| 29 | 24.64 | 28.63 | 28.36 | 26.72 | 26.49 | 26.66 | 28.22 | 26.85 | 26.85 | 26.42 | | 26.94 | |
| 30 | 23.56 | 28.27 | 28.29 | 27.03 | 26.50 | 27.22 | 27.98 | 26.89 | 26.83 | 26.39 | | 26.97 | |
| 31 | | 28.04 | | 27.03 | 26.56 | | 28.08 | | 26.82 | 26.36 | | 26.65 | |
| Mean | 25.07 | 28.14 | 27.91 | 27.69 | 26.72 | 26.74 | 27.89 | 27.12 | 26.62 | 26.81 | 26.55 | 26.95 | |
| Max | 27.74 | 29.62 | 28.36 | 28.32 | 27.02 | 27.55 | 30.18 | 28.09 | 26.90 | 29.29 | 27.06 | 27.42 | 30.18 |
| Min | 22.28 | 26.54 | 27.72 | 26.72 | 26.48 | 26.48 | 26.51 | 26.66 | 26.40 | 26.33 | 26.23 | 26.65 | 22.28 |

Annual Max Momentary Gage Height 30.20 m. (MSL.) , at 12.00 Hours , on Oct 22, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 25.76 m. (MSL.)

Left Bank Elevation 32.50 m. (MSL.) ,

Right Bank Elevation 32.40 m. (MSL.) , Drainage Are 245 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.74 | 24.17 | 6.90 | 9.16 | 2.58 | 1.35 | 0.83 | 7.83 | 2.15 | 0.98 | 0.38 | 2.47 | | |
| 2 | 5.70 | 22.52 | 6.72 | 8.76 | 2.54 | 1.42 | 2.50 | 7.02 | 2.08 | 0.40 | 0.30 | 2.43 | | |
| 3 | 2.54 | 17.36 | 6.42 | 8.39 | 2.54 | 1.45 | 4.42 | 5.95 | 1.80 | 0.33 | 0.23 | 2.36 | | |
| 4 | 0.53 | 12.61 | 6.06 | 8.04 | 2.50 | 1.42 | 4.64 | 4.96 | 1.42 | 0.33 | 0.18 | 2.40 | | |
| 5 | 0.00 | 5.15 | 5.80 | 8.53 | 2.47 | 1.38 | 1.80 | 4.24 | 0.98 | 0.38 | 0.13 | 2.40 | | |
| 6 | 0.00 | 1.04 | 5.60 | 9.32 | 2.40 | 1.28 | 1.35 | 3.38 | 0.77 | 0.56 | 0.13 | 2.33 | | |
| 7 | 0.00 | 0.92 | 6.30 | 8.92 | 2.33 | 0.98 | 1.38 | 2.98 | 1.14 | 1.87 | 0.10 | 1.98 | | |
| 8 | 0.00 | 2.01 | 6.12 | 8.39 | 2.22 | 1.04 | 1.10 | 2.40 | 1.01 | 10.28 | 0.08 | 2.05 | | |
| 9 | 0.00 | 1.07 | 6.00 | 7.90 | 2.15 | 1.07 | 1.01 | 2.29 | 0.89 | 19.06 | 0.08 | 2.05 | | |
| 10 | 0.00 | 2.33 | 5.95 | 7.97 | 2.05 | 1.01 | 1.80 | 3.66 | 0.80 | 10.44 | 0.23 | 1.98 | | |
| 11 | 0.00 | 3.26 | 5.80 | 9.56 | 2.01 | 0.95 | 3.62 | 3.70 | 0.74 | 4.24 | 0.95 | 1.94 | | |
| 12 | 0.00 | 3.82 | 5.65 | 8.92 | 1.91 | 4.78 | 4.64 | 3.54 | 0.59 | 2.08 | 0.92 | 1.94 | | |
| 13 | 0.00 | 4.37 | 5.80 | 8.32 | 1.80 | 3.70 | 5.90 | 3.34 | 0.53 | 1.77 | 0.92 | 1.94 | | |
| 14 | 0.00 | 4.91 | 5.95 | 7.41 | 1.66 | 2.33 | 5.60 | 3.42 | 1.80 | 1.70 | 0.89 | 1.94 | | |
| 15 | 0.00 | 5.35 | 6.18 | 6.90 | 1.52 | 1.17 | 4.42 | 3.74 | 1.84 | 1.59 | 0.80 | 1.94 | | |
| 16 | 0.00 | 5.80 | 6.30 | 6.48 | 1.42 | 1.04 | 4.73 | 3.42 | 1.59 | 1.52 | 0.68 | 1.94 | | |
| 17 | 0.00 | 6.60 | 6.54 | 5.85 | 1.35 | 0.92 | 4.15 | 3.14 | 0.68 | 1.49 | 0.56 | 2.29 | | |
| 18 | 3.18 | 9.88 | 8.04 | 5.45 | 1.28 | 0.89 | 4.55 | 2.70 | 1.10 | 1.45 | 0.53 | 2.33 | | |
| 19 | 0.13 | 13.60 | 7.34 | 5.00 | 1.17 | 0.83 | 5.25 | 2.19 | 0.89 | 1.42 | 0.45 | 1.80 | | |
| 20 | 0.00 | 16.70 | 6.48 | 4.33 | 0.98 | 0.83 | 8.76 | 1.84 | 0.68 | 1.35 | 0.59 | 2.90 | | |
| 21 | 0.00 | 17.94 | 6.06 | 4.06 | 0.98 | 0.80 | 31.50 | 1.56 | 0.59 | 1.28 | 1.84 | 2.94 | | |
| 22 | 0.00 | 22.20 | 5.85 | 3.78 | 0.92 | 0.74 | 35.55 | 1.31 | 2.05 | 1.21 | 2.36 | 2.50 | | |
| 23 | 0.00 | 15.30 | 5.65 | 3.58 | 0.86 | 0.80 | 27.50 | 1.59 | 1.10 | 1.17 | 2.54 | 2.43 | | |
| 24 | 0.98 | 14.00 | 5.85 | 3.02 | 0.83 | 0.77 | 24.73 | 1.45 | 0.68 | 0.98 | 2.74 | 2.86 | | |
| 25 | 0.00 | 12.61 | 7.02 | 2.62 | 0.80 | 0.83 | 22.04 | 1.35 | 0.56 | 0.89 | 2.70 | 2.50 | | |
| 26 | 0.00 | 10.92 | 7.97 | 2.29 | 0.77 | 2.74 | 16.92 | 1.80 | 0.50 | 0.80 | 2.66 | 4.19 | | |
| 27 | 0.00 | 8.92 | 9.56 | 2.05 | 0.74 | 4.37 | 13.33 | 1.87 | 0.74 | 0.74 | 2.62 | 3.54 | | |
| 28 | 0.00 | 9.48 | 9.56 | 1.77 | 0.77 | 3.42 | 10.84 | 1.91 | 2.12 | 0.62 | 2.58 | 2.15 | | |
| 29 | 0.00 | 12.07 | 9.88 | 1.52 | 0.77 | 1.31 | 8.76 | 1.98 | 1.98 | 0.56 | | 2.29 | | |
| 30 | 0.00 | 9.16 | 9.32 | 2.62 | 0.80 | 3.38 | 7.08 | 2.12 | 1.91 | 0.48 | | 2.40 | | |
| 31 | | 7.48 | | 2.62 | 0.98 | | 7.76 | | 1.87 | 0.40 | | 1.28 | | |
| Total | 16.80 | 303.55 | 202.67 | 183.53 | 48.10 | 49.00 | 278.46 | 92.68 | 37.58 | 72.37 | 29.17 | 72.49 | 1386.40 | CMSDAY |
| Mean | 0.56 | 9.79 | 6.76 | 5.92 | 1.55 | 1.63 | 8.98 | 3.09 | 1.21 | 2.33 | 1.04 | 2.34 | 3.80 | CMS |
| Max | 5.70 | 24.17 | 9.88 | 9.56 | 2.58 | 4.78 | 35.55 | 7.83 | 2.15 | 19.06 | 2.74 | 4.19 | 35.55 | CMS |
| Min | 0.00 | 0.92 | 5.60 | 1.52 | 0.74 | 0.74 | 0.83 | 1.31 | 0.50 | 0.33 | 0.08 | 1.28 | 0.00 | CMS |
| Runoff | 1.45 | 26.23 | 17.51 | 15.86 | 4.16 | 4.23 | 24.06 | 8.01 | 3.25 | 6.25 | 2.52 | 6.26 | 119.78 | MCM |

Momentary Peak 36.00 CMS. at 30.20 m. (MSL.) at 12.00 Hours , on Oct 22, 2006

Runoff Yield 15.48 Liters/Second/Square KM. Momentary Peak Yield 146.69 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Sadao at Ban Takian Pao , Songkhla (X.112)

Lat 06 - 42 - 11 N Long 100 - 26 - 10 E

**Location : on right bank at Ban Takian Pao.**

| | | | |
|---|---|---|---|
| | **Ban** Takian Pao | **Amphoe** Sadao | **Changwat** Songkhla |
| **Drainge Area** | 493 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | | **Elevation** +24.840 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1979 - 1996 , 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1979 - 1996 , 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1979 - 1996 , 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 17 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

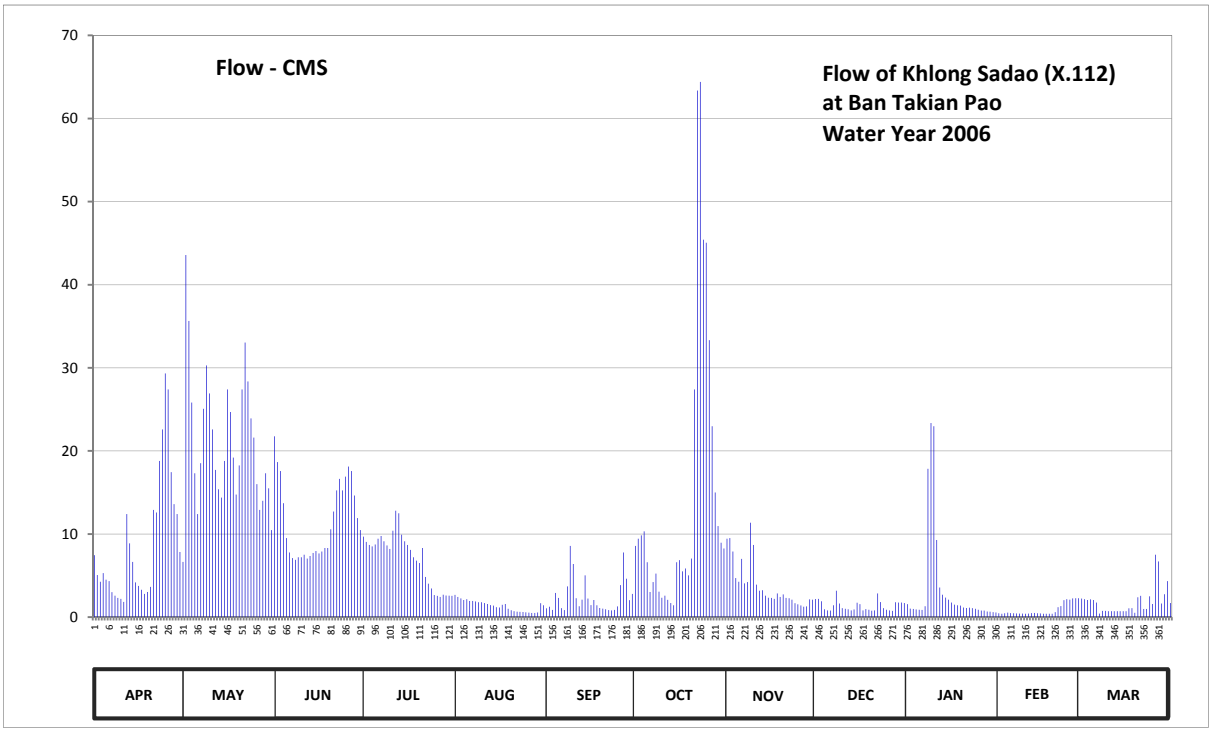
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22.37 | 22.21 | 23.76 | 22.71 | 21.19 | 20.53 | 22.56 | 22.68 | 20.99 | 20.74 | 20.23 | 21.01 | |
| 2 | 21.88 | 24.61 | 23.56 | 22.63 | 21.09 | 20.62 | 22.68 | 22.69 | 21.00 | 20.51 | 20.20 | 20.98 | |
| 3 | 21.69 | 24.36 | 23.48 | 22.58 | 21.02 | 20.43 | 22.73 | 22.45 | 20.88 | 20.49 | 20.23 | 20.94 | |
| 4 | 21.93 | 23.98 | 23.17 | 22.55 | 20.94 | 21.27 | 22.79 | 21.80 | 20.47 | 20.46 | 20.27 | 20.97 | |
| 5 | 21.75 | 23.46 | 22.69 | 22.59 | 20.98 | 21.04 | 22.20 | 21.69 | 20.40 | 20.44 | 20.24 | 20.94 | |
| 6 | 21.71 | 23.04 | 22.43 | 22.68 | 20.90 | 20.54 | 21.31 | 22.28 | 20.39 | 20.43 | 20.23 | 20.82 | |
| 7 | 21.30 | 23.55 | 22.30 | 22.72 | 20.90 | 20.42 | 21.68 | 21.64 | 20.69 | 20.64 | 20.22 | 20.21 | |
| 8 | 21.15 | 23.94 | 22.26 | 22.64 | 20.87 | 21.53 | 21.92 | 21.68 | 21.36 | 23.50 | 20.21 | 20.37 | |
| 9 | 21.04 | 24.17 | 22.32 | 22.57 | 20.83 | 22.56 | 21.32 | 22.92 | 20.77 | 23.85 | 20.21 | 20.37 | |
| 10 | 21.00 | 24.03 | 22.32 | 22.50 | 20.83 | 22.16 | 21.05 | 22.58 | 20.54 | 23.83 | 20.20 | 20.36 | |
| 11 | 20.85 | 23.81 | 22.38 | 22.80 | 20.80 | 21.03 | 21.15 | 21.60 | 20.50 | 22.66 | 20.21 | 20.36 | |
| 12 | 23.04 | 23.49 | 22.29 | 23.08 | 20.75 | 20.64 | 20.95 | 21.36 | 20.47 | 21.49 | 20.24 | 20.36 | |
| 13 | 22.61 | 23.31 | 22.35 | 23.05 | 20.70 | 20.96 | 20.80 | 21.38 | 20.40 | 21.20 | 20.25 | 20.36 | |
| 14 | 22.21 | 23.23 | 22.42 | 22.74 | 20.67 | 21.87 | 20.69 | 21.15 | 20.46 | 21.06 | 20.23 | 20.36 | |
| 15 | 21.67 | 23.57 | 22.46 | 22.64 | 20.60 | 21.01 | 22.20 | 21.05 | 20.81 | 20.96 | 20.22 | 20.36 | |
| 16 | 21.55 | 24.05 | 22.41 | 22.58 | 20.58 | 20.70 | 22.25 | 21.04 | 20.74 | 20.82 | 20.20 | 20.36 | |
| 17 | 21.40 | 23.92 | 22.45 | 22.48 | 20.71 | 20.94 | 21.98 | 21.00 | 20.40 | 20.72 | 20.20 | 20.53 | |
| 18 | 21.23 | 23.60 | 22.52 | 22.32 | 20.75 | 20.69 | 22.05 | 21.25 | 20.48 | 20.69 | 20.20 | 20.54 | |
| 19 | 21.31 | 23.26 | 22.52 | 22.24 | 20.50 | 20.55 | 21.87 | 21.09 | 20.44 | 20.67 | 20.20 | 20.26 | |
| 20 | 21.51 | 23.53 | 22.82 | 22.18 | 20.41 | 20.51 | 22.29 | 21.21 | 20.38 | 20.58 | 20.30 | 21.07 | |
| 21 | 23.09 | 24.05 | 23.07 | 22.52 | 20.36 | 20.47 | 24.05 | 21.04 | 20.40 | 20.55 | 20.60 | 21.14 | |
| 22 | 23.06 | 24.27 | 23.30 | 21.83 | 20.33 | 20.42 | 25.08 | 21.03 | 21.25 | 20.57 | 20.65 | 20.49 | |
| 23 | 23.57 | 24.09 | 23.41 | 21.63 | 20.32 | 20.40 | 25.10 | 20.96 | 20.84 | 20.54 | 20.93 | 20.49 | |
| 24 | 23.81 | 23.88 | 23.30 | 21.45 | 20.31 | 20.43 | 24.66 | 20.79 | 20.54 | 20.50 | 20.98 | 21.12 | |
| 25 | 24.13 | 23.75 | 23.43 | 21.18 | 20.29 | 20.63 | 24.65 | 20.73 | 20.44 | 20.44 | 20.96 | 20.75 | |
| 26 | 24.05 | 23.36 | 23.52 | 21.14 | 20.27 | 21.58 | 24.28 | 20.68 | 20.40 | 20.39 | 21.02 | 22.38 | |
| 27 | 23.47 | 23.09 | 23.48 | 21.09 | 20.25 | 22.43 | 23.83 | 20.62 | 20.37 | 20.39 | 21.03 | 22.22 | |
| 28 | 23.16 | 23.20 | 23.25 | 21.20 | 20.25 | 21.78 | 23.28 | 20.63 | 20.83 | 20.34 | 21.03 | 20.77 | |
| 29 | 23.04 | 23.46 | 22.99 | 21.16 | 20.28 | 20.93 | 22.87 | 20.97 | 20.82 | 20.33 | | 21.22 | |
| 30 | 22.44 | 23.32 | 22.81 | 21.15 | 20.79 | 21.23 | 22.62 | 20.96 | 20.82 | 20.30 | | 21.71 | |
| 31 | | 22.81 | | 21.14 | 20.69 | | 22.51 | | 20.80 | 20.28 | | 20.80 | |
| Mean | 22.23 | 23.63 | 22.85 | 22.19 | 20.65 | 21.01 | 22.56 | 21.43 | 20.65 | 20.98 | 20.42 | 20.79 | |
| Max | 24.13 | 24.61 | 23.76 | 23.08 | 21.19 | 22.56 | 25.10 | 22.92 | 21.36 | 23.85 | 21.03 | 22.38 | 25.10 |
| Min | 20.85 | 22.21 | 22.26 | 21.09 | 20.25 | 20.40 | 20.69 | 20.62 | 20.37 | 20.28 | 20.20 | 20.21 | 20.20 |

Annual Max Momentary Gage Height 25.28 m. (MSL.) , at 18.00 Hours , on Oct 22 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 18.78 m. (MSL.)

Left Bank Elevation 25.95 m. (MSL.) ,

Right Bank Elevation 25.54 m. (MSL.) , Drainage Are 493 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.45 | 6.65 | 21.76 | 9.68 | 2.68 | 1.06 | 8.56 | 9.44 | 2.18 | 1.55 | 0.46 | 2.23 | | |
| 2 | 5.06 | 43.57 | 18.66 | 9.04 | 2.43 | 1.25 | 9.44 | 9.52 | 2.20 | 1.02 | 0.40 | 2.15 | | |
| 3 | 4.26 | 35.64 | 17.58 | 8.68 | 2.25 | 0.86 | 9.84 | 7.90 | 1.90 | 0.98 | 0.46 | 2.05 | | |
| 4 | 5.29 | 25.82 | 13.70 | 8.50 | 2.05 | 2.91 | 10.32 | 4.70 | 0.94 | 0.92 | 0.54 | 2.13 | | |
| 5 | 4.50 | 17.31 | 9.52 | 8.74 | 2.15 | 2.30 | 6.60 | 4.26 | 0.80 | 0.88 | 0.48 | 2.05 | | |
| 6 | 4.34 | 12.40 | 7.78 | 9.44 | 1.95 | 1.08 | 3.03 | 7.00 | 0.78 | 0.86 | 0.46 | 1.75 | | |
| 7 | 3.00 | 18.53 | 7.10 | 9.76 | 1.95 | 0.84 | 4.22 | 4.06 | 1.43 | 1.30 | 0.44 | 0.42 | | |
| 8 | 2.58 | 25.06 | 6.90 | 9.12 | 1.88 | 3.69 | 5.24 | 4.22 | 3.18 | 17.85 | 0.42 | 0.74 | | |
| 9 | 2.30 | 30.28 | 7.20 | 8.62 | 1.78 | 8.56 | 3.06 | 11.36 | 1.63 | 23.35 | 0.42 | 0.74 | | |
| 10 | 2.20 | 26.92 | 7.20 | 8.20 | 1.78 | 6.40 | 2.33 | 8.68 | 1.08 | 22.97 | 0.40 | 0.72 | | |
| 11 | 1.83 | 22.59 | 7.50 | 10.40 | 1.70 | 2.28 | 2.58 | 3.90 | 1.00 | 9.28 | 0.42 | 0.72 | | |
| 12 | 12.40 | 17.72 | 7.05 | 12.80 | 1.58 | 1.30 | 2.08 | 3.18 | 0.94 | 3.57 | 0.48 | 0.72 | | |
| 13 | 8.88 | 15.38 | 7.35 | 12.50 | 1.45 | 2.10 | 1.70 | 3.24 | 0.80 | 2.70 | 0.50 | 0.72 | | |
| 14 | 6.65 | 14.38 | 7.72 | 9.92 | 1.38 | 5.02 | 1.43 | 2.58 | 0.92 | 2.35 | 0.46 | 0.72 | | |
| 15 | 4.18 | 18.80 | 7.96 | 9.12 | 1.20 | 2.23 | 6.60 | 2.33 | 1.73 | 2.10 | 0.44 | 0.72 | | |
| 16 | 3.75 | 27.40 | 7.66 | 8.68 | 1.16 | 1.45 | 6.85 | 2.30 | 1.55 | 1.75 | 0.40 | 0.72 | | |
| 17 | 3.30 | 24.68 | 7.90 | 8.08 | 1.48 | 2.05 | 5.51 | 2.20 | 0.80 | 1.50 | 0.40 | 1.06 | | |
| 18 | 2.79 | 19.20 | 8.32 | 7.20 | 1.58 | 1.43 | 5.85 | 2.85 | 0.96 | 1.43 | 0.40 | 1.08 | | |
| 19 | 3.03 | 14.75 | 8.32 | 6.80 | 1.00 | 1.10 | 5.02 | 2.43 | 0.88 | 1.38 | 0.40 | 0.52 | | |
| 20 | 3.63 | 18.26 | 10.56 | 6.50 | 0.82 | 1.02 | 7.05 | 2.73 | 0.76 | 1.16 | 0.60 | 2.38 | | |
| 21 | 12.90 | 27.40 | 12.70 | 8.32 | 0.72 | 0.94 | 27.40 | 2.30 | 0.80 | 1.10 | 1.20 | 2.55 | | |
| 22 | 12.60 | 33.03 | 15.25 | 4.84 | 0.66 | 0.84 | 63.36 | 2.28 | 2.85 | 1.14 | 1.33 | 0.98 | | |
| 23 | 18.80 | 28.36 | 16.64 | 4.02 | 0.64 | 0.80 | 64.40 | 2.10 | 1.80 | 1.08 | 2.03 | 0.98 | | |
| 24 | 22.59 | 23.92 | 15.25 | 3.45 | 0.62 | 0.86 | 45.42 | 1.68 | 1.08 | 1.00 | 2.15 | 2.50 | | |
| 25 | 29.32 | 21.60 | 16.91 | 2.65 | 0.58 | 1.28 | 45.05 | 1.53 | 0.88 | 0.88 | 2.10 | 1.58 | | |
| 26 | 27.40 | 16.00 | 18.12 | 2.55 | 0.54 | 3.84 | 33.32 | 1.40 | 0.80 | 0.78 | 2.25 | 7.50 | | |
| 27 | 17.45 | 12.90 | 17.58 | 2.43 | 0.50 | 7.78 | 22.97 | 1.25 | 0.74 | 0.78 | 2.28 | 6.70 | | |
| 28 | 13.60 | 14.00 | 14.63 | 2.70 | 0.50 | 4.62 | 15.00 | 1.28 | 1.78 | 0.68 | 2.28 | 1.63 | | |
| 29 | 12.40 | 17.31 | 11.92 | 2.60 | 0.56 | 2.03 | 10.96 | 2.13 | 1.75 | 0.66 | | 2.76 | | |
| 30 | 7.84 | 15.50 | 10.48 | 2.58 | 1.68 | 2.79 | 8.96 | 2.10 | 1.75 | 0.60 | | 4.34 | | |
| 31 | | 10.48 | | 2.55 | 1.43 | | 8.26 | | 1.70 | 0.56 | | 1.70 | | |
| Total | 266.32 | 655.84 | 347.22 | 220.47 | 42.68 | 74.71 | 452.41 | 116.93 | 42.39 | 108.16 | 24.60 | 57.56 | 2409.29 | CMSDAY |
| Mean | 8.88 | 21.16 | 11.57 | 7.11 | 1.38 | 2.49 | 14.59 | 3.90 | 1.37 | 3.49 | 0.88 | 1.86 | 6.60 | CMS |
| Max | 29.32 | 43.57 | 21.76 | 12.80 | 2.68 | 8.56 | 64.40 | 11.36 | 3.18 | 23.35 | 2.28 | 7.50 | 64.40 | CMS |
| Min | 1.83 | 6.65 | 6.90 | 2.43 | 0.50 | 0.80 | 1.43 | 1.25 | 0.74 | 0.56 | 0.40 | 0.42 | 0.40 | CMS |
| Runoff | 23.01 | 56.66 | 30.00 | 19.05 | 3.69 | 6.45 | 39.09 | 10.10 | 3.66 | 9.35 | 2.13 | 4.97 | 208.16 | MCM |

Momentary Peak 74.24 CMS. at 25.28 m. (MSL.) at 18.00 Hours , on Oct 22, 2006

Runoff Yield 13.39 Liters/Second/Square KM. Momentary Peak Yield 150.59 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong La Pang at Ban Thung Prap , Songkhla (X.113)

Lat 06 - 37 - 59 N Long 100 - 23 - 46 E

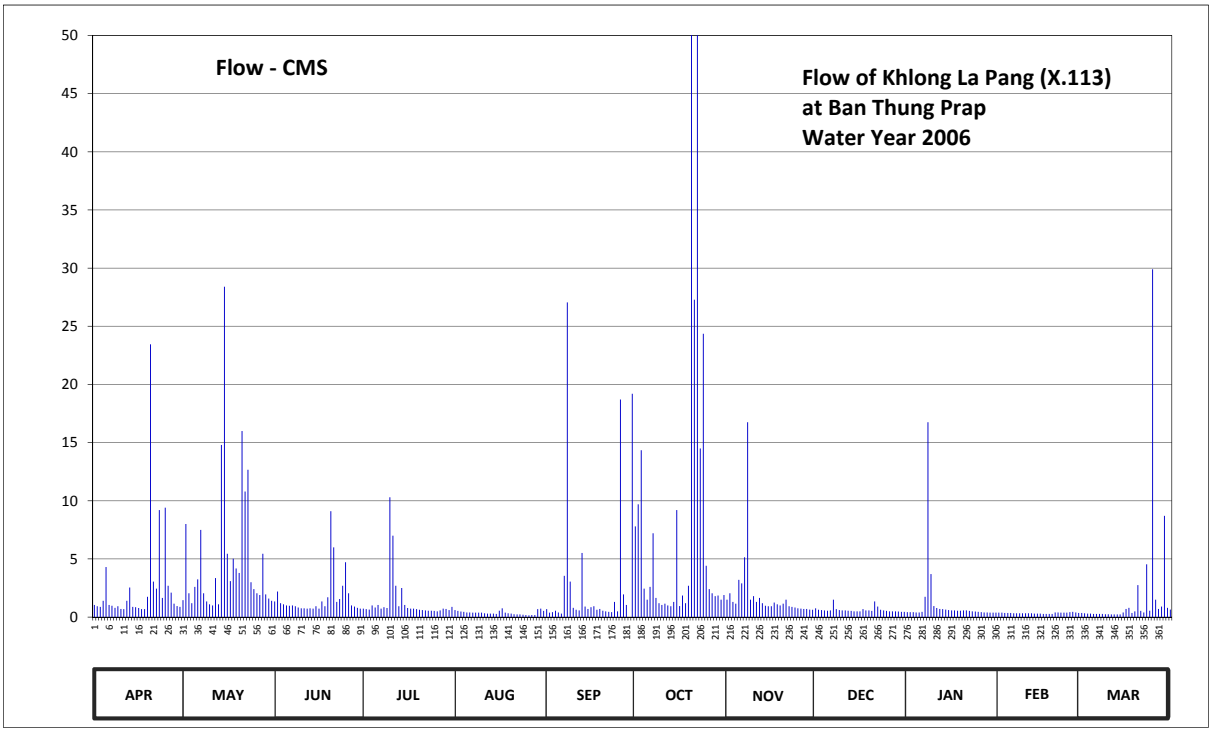
**Location : on right bank at Ban Thung Prap.**

| | | | |
|---|---|---|---|
| | **Ban** Thung Prap | **Amphoe** Sadao | **Changwat** Songkhla |
| **Drainge Area** | 118 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | About 15 meters from the gage observer's house. | | **Elevation** +36.918 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 1979 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 1979 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 1979 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 23 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.21 | 32.29 | 32.27 | 32.09 | 32.04 | 32.07 | 33.30 | 32.30 | 32.10 | 31.97 | 31.95 | 31.94 | |
| 2 | 32.17 | 33.32 | 32.44 | 32.07 | 32.01 | 31.95 | 33.49 | 32.41 | 32.05 | 31.97 | 31.95 | 31.93 | |
| 3 | 32.15 | 32.41 | 32.24 | 32.06 | 31.99 | 31.97 | 33.89 | 32.26 | 32.04 | 31.97 | 31.94 | 31.92 | |
| 4 | 32.28 | 32.24 | 32.22 | 32.20 | 31.98 | 32.02 | 32.49 | 32.23 | 32.03 | 31.96 | 31.94 | 31.92 | |
| 5 | 32.85 | 32.52 | 32.20 | 32.13 | 31.96 | 31.96 | 32.30 | 32.64 | 32.02 | 31.96 | 31.94 | 31.91 | |
| 6 | 32.21 | 32.65 | 32.19 | 32.21 | 31.96 | 31.92 | 32.52 | 32.58 | 32.03 | 31.98 | 31.93 | 31.91 | |
| 7 | 32.19 | 33.27 | 32.20 | 32.09 | 31.95 | 32.71 | 33.24 | 32.99 | 32.30 | 32.35 | 31.93 | 31.91 | |
| 8 | 32.12 | 32.41 | 32.17 | 32.14 | 31.95 | 34.58 | 32.33 | 34.05 | 32.07 | 34.05 | 31.93 | 31.91 | |
| 9 | 32.17 | 32.27 | 32.13 | 32.11 | 31.95 | 32.61 | 32.24 | 32.30 | 32.04 | 32.74 | 31.93 | 31.90 | |
| 10 | 32.08 | 32.22 | 32.10 | 33.55 | 31.95 | 32.12 | 32.21 | 32.36 | 32.03 | 32.18 | 31.93 | 31.90 | |
| 11 | 32.07 | 32.20 | 32.10 | 33.22 | 31.93 | 32.05 | 32.23 | 32.26 | 32.03 | 32.11 | 31.93 | 31.89 | |
| 12 | 32.28 | 32.67 | 32.09 | 32.54 | 31.92 | 32.03 | 32.20 | 32.33 | 32.02 | 32.08 | 31.93 | 31.89 | |
| 13 | 32.51 | 32.22 | 32.10 | 32.17 | 31.92 | 33.04 | 32.17 | 32.24 | 32.01 | 32.07 | 31.92 | 31.89 | |
| 14 | 32.15 | 33.92 | 32.09 | 32.50 | 31.92 | 32.16 | 32.26 | 32.19 | 32.00 | 32.06 | 31.92 | 31.89 | |
| 15 | 32.14 | 34.63 | 32.17 | 32.21 | 31.91 | 32.08 | 33.44 | 32.17 | 32.00 | 32.04 | 31.92 | 31.96 | |
| 16 | 32.11 | 33.03 | 32.09 | 32.11 | 32.02 | 32.14 | 32.18 | 32.17 | 32.00 | 32.03 | 31.91 | 32.08 | |
| 17 | 32.07 | 32.62 | 32.27 | 32.09 | 32.10 | 32.17 | 32.37 | 32.25 | 32.07 | 32.03 | 31.91 | 32.12 | |
| 18 | 32.07 | 32.97 | 32.17 | 32.09 | 31.95 | 32.05 | 32.24 | 32.22 | 32.03 | 32.02 | 31.91 | 31.94 | |
| 19 | 32.35 | 32.83 | 32.34 | 32.07 | 31.93 | 32.08 | 32.54 | 32.20 | 32.03 | 32.02 | 31.91 | 32.00 | |
| 20 | 34.42 | 32.76 | 33.43 | 32.05 | 31.92 | 32.02 | 35.34 | 32.23 | 32.01 | 32.03 | 31.96 | 32.55 | |
| 21 | 32.61 | 34.00 | 33.10 | 32.04 | 31.90 | 32.00 | 34.59 | 32.30 | 32.27 | 32.03 | 31.96 | 32.01 | |
| 22 | 32.49 | 33.60 | 32.26 | 32.03 | 31.89 | 31.98 | 35.65 | 32.17 | 32.16 | 32.01 | 31.95 | 31.96 | |
| 23 | 33.44 | 33.77 | 32.31 | 32.02 | 31.89 | 31.97 | 33.90 | 32.15 | 32.05 | 32.00 | 31.95 | 32.89 | |
| 24 | 32.33 | 32.60 | 32.54 | 32.02 | 31.88 | 32.26 | 34.46 | 32.13 | 32.03 | 31.99 | 31.95 | 32.02 | |
| 25 | 33.46 | 32.48 | 32.92 | 32.01 | 31.87 | 32.00 | 32.87 | 32.10 | 32.01 | 31.98 | 31.97 | 34.68 | |
| 26 | 32.54 | 32.41 | 32.41 | 32.00 | 31.86 | 34.18 | 32.48 | 32.09 | 32.00 | 31.97 | 31.98 | 32.30 | |
| 27 | 32.42 | 32.38 | 32.20 | 32.03 | 31.87 | 32.39 | 32.41 | 32.08 | 32.00 | 31.96 | 31.96 | 32.08 | |
| 28 | 32.23 | 33.03 | 32.16 | 32.09 | 31.87 | 32.21 | 32.36 | 32.08 | 32.00 | 31.96 | 31.94 | 32.16 | |
| 29 | 32.18 | 32.39 | 32.12 | 32.08 | 32.07 | 31.13 | 32.37 | 32.06 | 31.99 | 31.95 | | 33.39 | |
| 30 | 32.15 | 32.32 | 32.09 | 32.04 | 32.09 | 34.21 | 32.30 | 32.05 | 31.98 | 31.95 | | 32.12 | |
| 31 | | 32.28 | | 32.15 | 32.01 | | 32.38 | | 31.98 | 31.95 | | 32.06 | |
| Mean | 32.41 | 32.80 | 32.30 | 32.20 | 31.95 | 32.34 | 32.93 | 32.32 | 32.04 | 32.11 | 31.94 | 32.16 | |
| Max | 34.42 | 34.63 | 33.43 | 33.55 | 32.10 | 34.58 | 35.65 | 34.05 | 32.30 | 34.05 | 31.98 | 34.68 | 35.65 |
| Min | 32.07 | 32.20 | 32.09 | 32.00 | 31.86 | 31.13 | 32.17 | 32.05 | 31.98 | 31.95 | 31.91 | 31.89 | 31.13 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 36.13 | m. (MSL.) , | at 03.00 Hours , on Oct 22, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 31.92 | m. (MSL.) |
| Left Bank Elevation | 37.40 | m. (MSL.) , | | | |
| Right Bank Elevation | 36.93 | m. (MSL.) , | Drainage Are | 118 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.05 | 1.45 | 1.35 | 0.73 | 0.60 | 0.68 | 7.80 | 1.50 | 0.75 | 0.43 | 0.38 | 0.35 | | |
| 2 | 0.93 | 8.00 | 2.20 | 0.68 | 0.53 | 0.38 | 9.70 | 2.05 | 0.63 | 0.43 | 0.38 | 0.33 | | |
| 3 | 0.88 | 2.05 | 1.20 | 0.65 | 0.48 | 0.43 | 14.35 | 1.30 | 0.60 | 0.43 | 0.35 | 0.30 | | |
| 4 | 1.40 | 1.20 | 1.10 | 1.00 | 0.45 | 0.55 | 2.45 | 1.15 | 0.58 | 0.40 | 0.35 | 0.30 | | |
| 5 | 4.30 | 2.60 | 1.00 | 0.83 | 0.40 | 0.40 | 1.50 | 3.20 | 0.55 | 0.40 | 0.35 | 0.28 | | |
| 6 | 1.05 | 3.25 | 0.98 | 1.05 | 0.40 | 0.30 | 2.60 | 2.90 | 0.58 | 0.45 | 0.33 | 0.28 | | |
| 7 | 0.98 | 7.50 | 1.00 | 0.73 | 0.38 | 3.55 | 7.20 | 5.14 | 1.50 | 1.75 | 0.33 | 0.28 | | |
| 8 | 0.80 | 2.05 | 0.93 | 0.85 | 0.38 | 27.05 | 1.65 | 16.75 | 0.68 | 16.75 | 0.33 | 0.28 | | |
| 9 | 0.93 | 1.35 | 0.83 | 0.78 | 0.38 | 3.05 | 1.20 | 1.50 | 0.60 | 3.70 | 0.33 | 0.25 | | |
| 10 | 0.70 | 1.10 | 0.75 | 10.30 | 0.38 | 0.80 | 1.05 | 1.80 | 0.58 | 0.95 | 0.33 | 0.25 | | |
| 11 | 0.68 | 1.00 | 0.75 | 7.00 | 0.33 | 0.63 | 1.15 | 1.30 | 0.58 | 0.78 | 0.33 | 0.23 | | |
| 12 | 1.40 | 3.35 | 0.73 | 2.70 | 0.30 | 0.58 | 1.00 | 1.65 | 0.55 | 0.70 | 0.33 | 0.23 | | |
| 13 | 2.55 | 1.10 | 0.75 | 0.93 | 0.30 | 5.52 | 0.93 | 1.20 | 0.53 | 0.68 | 0.30 | 0.23 | | |
| 14 | 0.88 | 14.80 | 0.73 | 2.50 | 0.30 | 0.90 | 1.30 | 0.98 | 0.50 | 0.65 | 0.30 | 0.23 | | |
| 15 | 0.85 | 28.40 | 0.93 | 1.05 | 0.28 | 0.70 | 9.20 | 0.93 | 0.50 | 0.60 | 0.30 | 0.40 | | |
| 16 | 0.78 | 5.44 | 0.73 | 0.78 | 0.55 | 0.85 | 0.95 | 0.93 | 0.50 | 0.58 | 0.28 | 0.70 | | |
| 17 | 0.68 | 3.10 | 1.35 | 0.73 | 0.75 | 0.93 | 1.85 | 1.25 | 0.68 | 0.58 | 0.28 | 0.80 | | |
| 18 | 0.68 | 5.02 | 0.93 | 0.73 | 0.38 | 0.63 | 1.20 | 1.10 | 0.58 | 0.55 | 0.28 | 0.35 | | |
| 19 | 1.75 | 4.18 | 1.70 | 0.68 | 0.33 | 0.70 | 2.70 | 1.00 | 0.58 | 0.55 | 0.28 | 0.50 | | |
| 20 | 23.45 | 3.80 | 9.10 | 0.63 | 0.30 | 0.55 | 56.50 | 1.15 | 0.53 | 0.58 | 0.40 | 2.75 | | |
| 21 | 3.05 | 16.00 | 6.00 | 0.60 | 0.25 | 0.50 | 27.28 | 1.50 | 1.35 | 0.58 | 0.40 | 0.53 | | |
| 22 | 2.45 | 10.80 | 1.30 | 0.58 | 0.23 | 0.45 | 76.13 | 0.93 | 0.90 | 0.53 | 0.38 | 0.40 | | |
| 23 | 9.20 | 12.67 | 1.55 | 0.55 | 0.23 | 0.43 | 14.50 | 0.88 | 0.63 | 0.50 | 0.38 | 4.54 | | |
| 24 | 1.65 | 3.00 | 2.70 | 0.55 | 0.20 | 1.30 | 24.35 | 0.83 | 0.58 | 0.48 | 0.38 | 0.55 | | |
| 25 | 9.40 | 2.40 | 4.72 | 0.53 | 0.18 | 0.50 | 4.42 | 0.75 | 0.53 | 0.45 | 0.43 | 29.90 | | |
| 26 | 2.70 | 2.05 | 2.05 | 0.50 | 0.15 | 18.70 | 2.40 | 0.73 | 0.50 | 0.43 | 0.45 | 1.50 | | |
| 27 | 2.10 | 1.90 | 1.00 | 0.58 | 0.18 | 1.95 | 2.05 | 0.70 | 0.50 | 0.40 | 0.40 | 0.70 | | |
| 28 | 1.15 | 5.44 | 0.90 | 0.73 | 0.18 | 1.05 | 1.80 | 0.70 | 0.50 | 0.40 | 0.35 | 0.90 | | |
| 29 | 0.95 | 1.95 | 0.80 | 0.70 | 0.68 | 0.00 | 1.85 | 0.65 | 0.48 | 0.38 | | 8.70 | | |
| 30 | 0.88 | 1.60 | 0.73 | 0.60 | 0.73 | 19.20 | 1.50 | 0.63 | 0.45 | 0.38 | | 0.80 | | |
| 31 | | 1.40 | | 0.88 | 0.53 | | 1.90 | | 0.45 | 0.38 | | 0.65 | | |
| Total | 80.25 | 159.95 | 50.79 | 42.13 | 11.74 | 93.26 | 284.46 | 57.08 | 19.45 | 36.85 | 9.71 | 58.49 | 904.16 | CMSDAY |
| Mean | 2.67 | 5.16 | 1.69 | 1.36 | 0.38 | 3.11 | 9.18 | 1.90 | 0.63 | 1.19 | 0.35 | 1.89 | 2.48 | CMS |
| Max | 23.45 | 28.40 | 9.10 | 10.30 | 0.75 | 27.05 | 76.13 | 16.75 | 1.50 | 16.75 | 0.45 | 29.90 | 76.13 | CMS |
| Min | 0.68 | 1.00 | 0.73 | 0.50 | 0.15 | 0.00 | 0.93 | 0.63 | 0.45 | 0.38 | 0.28 | 0.23 | 0.00 | CMS |
| Runoff | 6.93 | 13.82 | 4.39 | 3.64 | 1.01 | 8.06 | 24.58 | 4.93 | 1.68 | 3.18 | 0.84 | 5.05 | 78.12 | MCM |

Momentary Peak 118.63 CMS. at 36.13 m. (MSL.) at 03.00 Hours , on Oct 22, 2006

Runoff Yield 20.91 Liters/Second/Square KM. Momentary Peak Yield 1001.52 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Lam at Ban Khlong Lam , Phatthalung (X.170)

Lat 07 - 33 - 22 N Long 99 - 59 - 31 E

**Location : on left bank at the bridge.**

| | |
|---|---|
| | **Ban** Khlong Lam **Amphoe** Srinagarindra **Changwat** Phatthalung |
| **Drainge Area** | 258 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 21 meters from the top staff gage. **Elevation** +27.274 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1987 to date |
| **Rating Operation** | |
| **Period of Rating** | 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1989 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 24 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

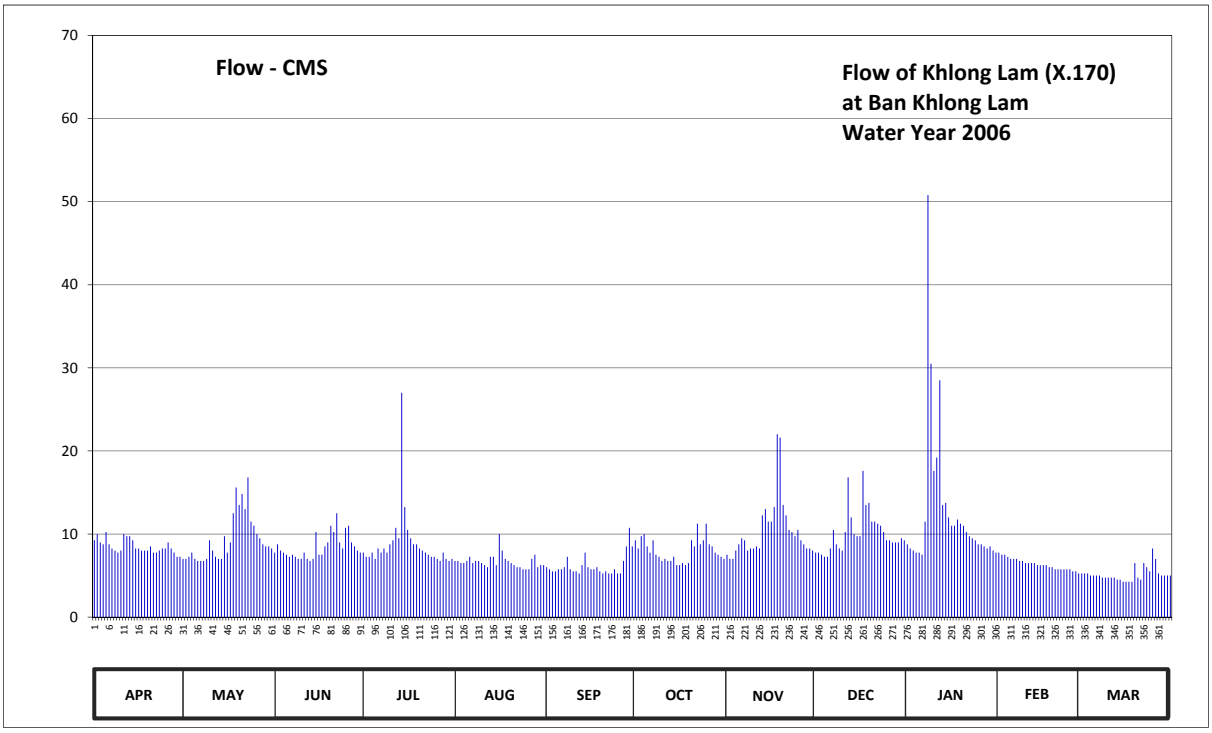
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.61 | 20.52 | 20.55 | 20.55 | 20.51 | 20.48 | 20.61 | 20.54 | 20.55 | 20.59 | 20.55 | 20.45 | |
| 2 | 20.64 | 20.52 | 20.59 | 20.53 | 20.51 | 20.47 | 20.57 | 20.52 | 20.55 | 20.57 | 20.54 | 20.45 | |
| 3 | 20.60 | 20.53 | 20.56 | 20.53 | 20.50 | 20.46 | 20.63 | 20.52 | 20.54 | 20.56 | 20.54 | 20.45 | |
| 4 | 20.59 | 20.55 | 20.55 | 20.55 | 20.50 | 20.46 | 20.64 | 20.56 | 20.53 | 20.55 | 20.53 | 20.44 | |
| 5 | 20.65 | 20.52 | 20.54 | 20.52 | 20.51 | 20.47 | 20.58 | 20.59 | 20.53 | 20.55 | 20.52 | 20.44 | |
| 6 | 20.59 | 20.51 | 20.53 | 20.57 | 20.53 | 20.47 | 20.55 | 20.62 | 20.57 | 20.54 | 20.52 | 20.44 | |
| 7 | 20.57 | 20.51 | 20.54 | 20.55 | 20.50 | 20.48 | 20.61 | 20.61 | 20.66 | 20.70 | 20.52 | 20.44 | |
| 8 | 20.56 | 20.51 | 20.53 | 20.57 | 20.51 | 20.53 | 20.54 | 20.56 | 20.59 | 21.53 | 20.51 | 20.43 | |
| 9 | 20.55 | 20.52 | 20.52 | 20.55 | 20.51 | 20.47 | 20.53 | 20.57 | 20.57 | 21.17 | 20.51 | 20.43 | |
| 10 | 20.56 | 20.61 | 20.52 | 20.59 | 20.50 | 20.46 | 20.51 | 20.57 | 20.56 | 20.89 | 20.50 | 20.43 | |
| 11 | 20.64 | 20.56 | 20.55 | 20.61 | 20.49 | 20.46 | 20.52 | 20.58 | 20.65 | 20.93 | 20.50 | 20.43 | |
| 12 | 20.63 | 20.53 | 20.52 | 20.67 | 20.48 | 20.45 | 20.51 | 20.57 | 20.87 | 21.13 | 20.50 | 20.43 | |
| 13 | 20.63 | 20.52 | 20.51 | 20.62 | 20.53 | 20.49 | 20.51 | 20.73 | 20.72 | 20.78 | 20.50 | 20.42 | |
| 14 | 20.61 | 20.52 | 20.52 | 21.10 | 20.53 | 20.55 | 20.53 | 20.76 | 20.64 | 20.79 | 20.49 | 20.42 | |
| 15 | 20.57 | 20.63 | 20.65 | 20.77 | 20.49 | 20.48 | 20.49 | 20.70 | 20.63 | 20.72 | 20.49 | 20.41 | |
| 16 | 20.57 | 20.55 | 20.54 | 20.66 | 20.64 | 20.47 | 20.49 | 20.70 | 20.63 | 20.68 | 20.49 | 20.41 | |
| 17 | 20.56 | 20.60 | 20.54 | 20.62 | 20.56 | 20.47 | 20.50 | 20.77 | 20.89 | 20.68 | 20.49 | 20.41 | |
| 18 | 20.56 | 20.74 | 20.58 | 20.59 | 20.52 | 20.48 | 20.49 | 21.00 | 20.78 | 20.71 | 20.48 | 20.41 | |
| 19 | 20.56 | 20.84 | 20.60 | 20.59 | 20.51 | 20.46 | 20.50 | 20.99 | 20.79 | 20.69 | 20.48 | 20.50 | |
| 20 | 20.58 | 20.78 | 20.68 | 20.57 | 20.50 | 20.45 | 20.61 | 20.78 | 20.70 | 20.68 | 20.47 | 20.43 | |
| 21 | 20.55 | 20.82 | 20.65 | 20.56 | 20.49 | 20.46 | 20.58 | 20.73 | 20.70 | 20.65 | 20.47 | 20.42 | |
| 22 | 20.55 | 20.76 | 20.74 | 20.55 | 20.48 | 20.45 | 20.69 | 20.66 | 20.69 | 20.63 | 20.47 | 20.50 | |
| 23 | 20.56 | 20.87 | 20.60 | 20.54 | 20.48 | 20.45 | 20.59 | 20.65 | 20.68 | 20.62 | 20.47 | 20.48 | |
| 24 | 20.57 | 20.70 | 20.57 | 20.53 | 20.47 | 20.47 | 20.61 | 20.63 | 20.65 | 20.61 | 20.47 | 20.46 | |
| 25 | 20.57 | 20.68 | 20.67 | 20.53 | 20.47 | 20.45 | 20.69 | 20.66 | 20.61 | 20.59 | 20.47 | 20.57 | |
| 26 | 20.60 | 20.64 | 20.68 | 20.52 | 20.47 | 20.45 | 20.59 | 20.61 | 20.61 | 20.59 | 20.46 | 20.52 | |
| 27 | 20.57 | 20.62 | 20.60 | 20.51 | 20.52 | 20.51 | 20.58 | 20.59 | 20.60 | 20.58 | 20.46 | 20.45 | |
| 28 | 20.55 | 20.59 | 20.58 | 20.55 | 20.54 | 20.58 | 20.55 | 20.57 | 20.60 | 20.57 | 20.45 | 20.44 | |
| 29 | 20.53 | 20.58 | 20.56 | 20.52 | 20.48 | 20.67 | 20.54 | 20.57 | 20.60 | 20.58 | | 20.44 | |
| 30 | 20.53 | 20.58 | 20.55 | 20.51 | 20.49 | 20.58 | 20.53 | 20.56 | 20.62 | 20.56 | | 20.44 | |
| 31 | | 20.57 | | 20.52 | 20.49 | | 20.52 | | 20.61 | 20.55 | | 20.44 | |
| Mean | 20.58 | 20.61 | 20.58 | 20.59 | 20.51 | 20.49 | 20.56 | 20.65 | 20.64 | 20.71 | 20.49 | 20.45 | |
| Max | 20.65 | 20.87 | 20.74 | 21.10 | 20.64 | 20.67 | 20.69 | 21.00 | 20.89 | 21.53 | 20.55 | 20.57 | 21.53 |
| Min | 20.53 | 20.51 | 20.51 | 20.51 | 20.47 | 20.45 | 20.49 | 20.52 | 20.53 | 20.54 | 20.45 | 20.41 | 20.41 |

Annual Max Momentary Gage Height 21.72 m. (MSL.) , at 06.00 Hours , on Jan 8, 2007

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 18.84 m. (MSL.)

Left Bank Elevation 28.85 m. (MSL.) ,

Right Bank Elevation 29.06 m. (MSL.) , Drainage Are 258 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.25 | 7.00 | 7.75 | 7.75 | 6.75 | 6.00 | 9.25 | 7.50 | 7.75 | 8.75 | 7.75 | 5.25 | | |
| 2 | 10.00 | 7.00 | 8.75 | 7.25 | 6.75 | 5.75 | 8.25 | 7.00 | 7.75 | 8.25 | 7.50 | 5.25 | | |
| 3 | 9.00 | 7.25 | 8.00 | 7.25 | 6.50 | 5.50 | 9.75 | 7.00 | 7.50 | 8.00 | 7.50 | 5.25 | | |
| 4 | 8.75 | 7.75 | 7.75 | 7.75 | 6.50 | 5.50 | 10.00 | 8.00 | 7.25 | 7.75 | 7.25 | 5.00 | | |
| 5 | 10.25 | 7.00 | 7.50 | 7.00 | 6.75 | 5.75 | 8.50 | 8.75 | 7.25 | 7.75 | 7.00 | 5.00 | | |
| 6 | 8.75 | 6.75 | 7.25 | 8.25 | 7.25 | 5.75 | 7.75 | 9.50 | 8.25 | 7.50 | 7.00 | 5.00 | | |
| 7 | 8.25 | 6.75 | 7.50 | 7.75 | 6.50 | 6.00 | 9.25 | 9.25 | 10.50 | 11.50 | 7.00 | 5.00 | | |
| 8 | 8.00 | 6.75 | 7.25 | 8.25 | 6.75 | 7.25 | 7.50 | 8.00 | 8.75 | 50.80 | 6.75 | 4.75 | | |
| 9 | 7.75 | 7.00 | 7.00 | 7.75 | 6.75 | 5.75 | 7.25 | 8.25 | 8.25 | 30.50 | 6.75 | 4.75 | | |
| 10 | 8.00 | 9.25 | 7.00 | 8.75 | 6.50 | 5.50 | 6.75 | 8.25 | 8.00 | 17.60 | 6.50 | 4.75 | | |
| 11 | 10.00 | 8.00 | 7.75 | 9.25 | 6.25 | 5.50 | 7.00 | 8.50 | 10.25 | 19.20 | 6.50 | 4.75 | | |
| 12 | 9.75 | 7.25 | 7.00 | 10.75 | 6.00 | 5.25 | 6.75 | 8.25 | 16.80 | 28.50 | 6.50 | 4.75 | | |
| 13 | 9.75 | 7.00 | 6.75 | 9.50 | 7.25 | 6.25 | 6.75 | 12.25 | 12.00 | 13.50 | 6.50 | 4.50 | | |
| 14 | 9.25 | 7.00 | 7.00 | 27.00 | 7.25 | 7.75 | 7.25 | 13.00 | 10.00 | 13.75 | 6.25 | 4.50 | | |
| 15 | 8.25 | 9.75 | 10.25 | 13.25 | 6.25 | 6.00 | 6.25 | 11.50 | 9.75 | 12.00 | 6.25 | 4.25 | | |
| 16 | 8.25 | 7.75 | 7.50 | 10.50 | 10.00 | 5.75 | 6.25 | 11.50 | 9.75 | 11.00 | 6.25 | 4.25 | | |
| 17 | 8.00 | 9.00 | 7.50 | 9.50 | 8.00 | 5.75 | 6.50 | 13.25 | 17.60 | 11.00 | 6.25 | 4.25 | | |
| 18 | 8.00 | 12.50 | 8.50 | 8.75 | 7.00 | 6.00 | 6.25 | 22.00 | 13.50 | 11.75 | 6.00 | 4.25 | | |
| 19 | 8.00 | 15.60 | 9.00 | 8.75 | 6.75 | 5.50 | 6.50 | 21.60 | 13.75 | 11.25 | 6.00 | 6.50 | | |
| 20 | 8.50 | 13.50 | 11.00 | 8.25 | 6.50 | 5.25 | 9.25 | 13.50 | 11.50 | 11.00 | 5.75 | 4.75 | | |
| 21 | 7.75 | 14.80 | 10.25 | 8.00 | 6.25 | 5.50 | 8.50 | 12.25 | 11.50 | 10.25 | 5.75 | 4.50 | | |
| 22 | 7.75 | 13.00 | 12.50 | 7.75 | 6.00 | 5.25 | 11.25 | 10.50 | 11.25 | 9.75 | 5.75 | 6.50 | | |
| 23 | 8.00 | 16.80 | 9.00 | 7.50 | 6.00 | 5.25 | 8.75 | 10.25 | 11.00 | 9.50 | 5.75 | 6.00 | | |
| 24 | 8.25 | 11.50 | 8.25 | 7.25 | 5.75 | 5.75 | 9.25 | 9.75 | 10.25 | 9.25 | 5.75 | 5.50 | | |
| 25 | 8.25 | 11.00 | 10.75 | 7.25 | 5.75 | 5.25 | 11.25 | 10.50 | 9.25 | 8.75 | 5.75 | 8.25 | | |
| 26 | 9.00 | 10.00 | 11.00 | 7.00 | 5.75 | 5.25 | 8.75 | 9.25 | 9.25 | 8.75 | 5.50 | 7.00 | | |
| 27 | 8.25 | 9.50 | 9.00 | 6.75 | 7.00 | 6.75 | 8.50 | 8.75 | 9.00 | 8.50 | 5.50 | 5.25 | | |
| 28 | 7.75 | 8.75 | 8.50 | 7.75 | 7.50 | 8.50 | 7.75 | 8.25 | 9.00 | 8.25 | 5.25 | 5.00 | | |
| 29 | 7.25 | 8.50 | 8.00 | 7.00 | 6.00 | 10.75 | 7.50 | 8.25 | 9.00 | 8.50 | | 5.00 | | |
| 30 | 7.25 | 8.50 | 7.75 | 6.75 | 6.25 | 8.50 | 7.25 | 8.00 | 9.50 | 8.00 | | 5.00 | | |
| 31 | | 8.25 | | 7.00 | 6.25 | | 7.00 | | 9.25 | 7.75 | | 5.00 | | |
| Total | 255.25 | 290.45 | 253.00 | 273.25 | 206.75 | 184.50 | 248.75 | 312.60 | 314.40 | 398.60 | 178.25 | 159.75 | 3075.55 | CMSDAY |
| Mean | 8.51 | 9.37 | 8.43 | 8.81 | 6.67 | 6.15 | 8.02 | 10.42 | 10.14 | 12.86 | 6.37 | 5.15 | 8.43 | CMS |
| Max | 10.25 | 16.80 | 12.50 | 27.00 | 10.00 | 10.75 | 11.25 | 22.00 | 17.60 | 50.80 | 7.75 | 8.25 | 50.80 | CMS |
| Min | 7.25 | 6.75 | 6.75 | 6.75 | 5.75 | 5.25 | 6.25 | 7.00 | 7.25 | 7.50 | 5.25 | 4.25 | 4.25 | CMS |
| Runoff | 22.05 | 25.09 | 21.86 | 23.61 | 17.86 | 15.94 | 21.49 | 27.01 | 27.16 | 34.44 | 15.40 | 13.80 | 265.73 | MCM |

Momentary Peak 59.20 CMS. at 21.72 m. (MSL.) at 06.00 Hours , on Jan 8, 2007

Runoff Yield 32.70 Liters/Second/Square KM. Momentary Peak Yield 229.72 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong U - Taphao at Ban Muang Kong , Songkhla (X.173A)

Lat 06 - 49 - 26 N Long 100 - 26 - 17 E

**Location : on right bank at the bridge on Hat Yai - Sadao Highway.**

| | | | |
|---|---|---|---|
| | **Ban** Muang Kong | **Amphoe** Sadao | **Changwat** Songkhla |
| **Drainge Area** | 1,063 sq.km. | | |
| **Type of Gage** | Water - stage recorder. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank about 1.13 meters from the top staff gage. | | **Elevation** +16.125 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 18 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

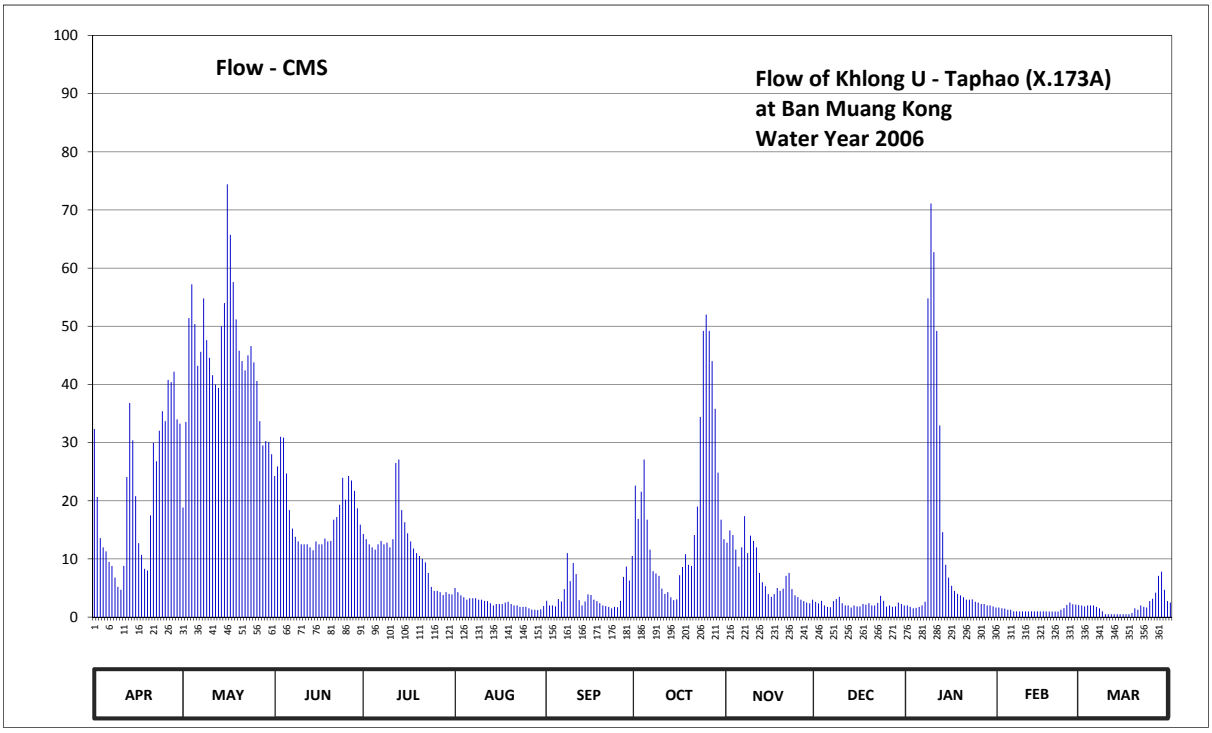
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.69 | 11.79 | 12.15 | 11.43 | 10.50 | 10.16 | 12.04 | 11.28 | 10.12 | 10.00 | 9.93 | 10.00 | |
| 2 | 11.91 | 12.77 | 12.26 | 11.34 | 10.43 | 10.00 | 11.66 | 11.49 | 10.07 | 9.95 | 9.90 | 9.97 | |
| 3 | 11.36 | 13.67 | 12.60 | 11.25 | 10.35 | 10.00 | 11.97 | 11.41 | 10.16 | 9.90 | 9.89 | 10.00 | |
| 4 | 11.20 | 13.96 | 12.59 | 11.20 | 10.28 | 9.97 | 12.34 | 11.16 | 10.00 | 9.92 | 9.85 | 10.00 | |
| 5 | 11.13 | 13.62 | 12.18 | 11.16 | 10.20 | 10.22 | 11.65 | 10.87 | 9.95 | 9.95 | 9.85 | 10.00 | |
| 6 | 10.95 | 13.26 | 11.76 | 11.25 | 10.25 | 10.14 | 11.16 | 11.20 | 9.94 | 10.00 | 9.80 | 9.95 | |
| 7 | 10.88 | 13.38 | 11.52 | 11.31 | 10.25 | 10.48 | 10.79 | 11.69 | 10.15 | 10.13 | 9.80 | 9.90 | |
| 8 | 10.68 | 13.84 | 11.38 | 11.25 | 10.25 | 11.10 | 10.75 | 11.10 | 10.22 | 13.84 | 9.80 | 9.80 | |
| 9 | 10.52 | 13.48 | 11.30 | 11.28 | 10.20 | 10.62 | 10.71 | 11.40 | 10.30 | 14.47 | 9.80 | 9.70 | |
| 10 | 10.47 | 13.33 | 11.25 | 11.20 | 10.20 | 10.93 | 10.49 | 11.31 | 10.08 | 14.19 | 9.80 | 9.70 | |
| 11 | 10.88 | 13.18 | 11.25 | 11.34 | 10.16 | 10.74 | 10.40 | 11.20 | 10.00 | 13.56 | 9.80 | 9.70 | |
| 12 | 12.14 | 13.10 | 11.25 | 12.30 | 10.15 | 10.18 | 10.43 | 10.76 | 10.00 | 12.73 | 9.80 | 9.70 | |
| 13 | 12.94 | 13.07 | 11.20 | 12.34 | 10.08 | 10.00 | 10.28 | 10.60 | 9.93 | 11.46 | 9.80 | 9.70 | |
| 14 | 12.56 | 13.60 | 11.15 | 11.76 | 10.00 | 10.14 | 10.18 | 10.53 | 10.00 | 10.90 | 9.80 | 9.70 | |
| 15 | 11.92 | 13.80 | 11.30 | 11.62 | 10.05 | 10.38 | 10.21 | 10.39 | 9.97 | 10.68 | 9.80 | 9.70 | |
| 16 | 11.27 | 14.58 | 11.25 | 11.44 | 10.05 | 10.36 | 10.72 | 10.30 | 9.97 | 10.54 | 9.80 | 9.70 | |
| 17 | 11.07 | 14.29 | 11.25 | 11.30 | 10.05 | 10.20 | 10.86 | 10.39 | 10.05 | 10.45 | 9.80 | 9.70 | |
| 18 | 10.83 | 13.98 | 11.35 | 11.18 | 10.10 | 10.15 | 11.08 | 10.50 | 10.03 | 10.40 | 9.79 | 9.74 | |
| 19 | 10.80 | 13.66 | 11.30 | 11.10 | 10.13 | 10.08 | 10.90 | 10.45 | 10.08 | 10.35 | 9.79 | 9.90 | |
| 20 | 11.70 | 13.39 | 11.31 | 11.05 | 10.05 | 10.00 | 10.88 | 10.49 | 10.00 | 10.28 | 9.79 | 9.85 | |
| 21 | 12.53 | 13.30 | 11.65 | 11.00 | 10.00 | 9.98 | 11.41 | 10.71 | 10.00 | 10.20 | 9.79 | 10.00 | |
| 22 | 12.32 | 13.22 | 11.68 | 10.94 | 10.00 | 9.95 | 11.80 | 10.76 | 10.09 | 10.20 | 9.85 | 9.95 | |
| 23 | 12.67 | 13.35 | 11.82 | 10.76 | 9.95 | 9.90 | 12.82 | 10.48 | 10.33 | 10.21 | 9.91 | 9.93 | |
| 24 | 12.87 | 13.43 | 12.13 | 10.52 | 9.95 | 9.95 | 13.56 | 10.35 | 10.16 | 10.13 | 10.02 | 10.15 | |
| 25 | 12.78 | 13.29 | 11.88 | 10.45 | 9.95 | 9.94 | 13.70 | 10.29 | 9.96 | 10.10 | 10.10 | 10.23 | |
| 26 | 13.14 | 13.13 | 12.15 | 10.45 | 9.90 | 10.16 | 13.56 | 10.20 | 10.00 | 10.05 | 10.04 | 10.42 | |
| 27 | 13.12 | 12.78 | 12.10 | 10.43 | 9.86 | 10.69 | 13.30 | 10.15 | 9.95 | 10.05 | 10.03 | 10.71 | |
| 28 | 13.21 | 12.50 | 11.98 | 10.36 | 9.85 | 10.87 | 12.89 | 10.10 | 9.97 | 10.00 | 10.01 | 10.78 | |
| 29 | 12.80 | 12.55 | 11.78 | 10.43 | 9.84 | 10.63 | 12.19 | 10.07 | 10.10 | 10.00 | | 10.47 | |
| 30 | 12.75 | 12.54 | 11.59 | 10.40 | 9.87 | 11.05 | 11.65 | 10.20 | 10.05 | 9.97 | | 10.15 | |
| 31 | | 12.40 | | 10.38 | 9.98 | | 11.34 | | 10.00 | 9.93 | | 10.10 | |
| Mean | 11.87 | 13.30 | 11.68 | 11.10 | 10.09 | 10.30 | 11.54 | 10.73 | 10.05 | 10.79 | 9.86 | 9.98 | |
| Max | 13.21 | 14.58 | 12.60 | 12.34 | 10.50 | 11.10 | 13.70 | 11.69 | 10.33 | 14.47 | 10.10 | 10.78 | 14.58 |
| Min | 10.47 | 11.79 | 11.15 | 10.36 | 9.84 | 9.90 | 10.18 | 10.07 | 9.93 | 9.90 | 9.79 | 9.70 | 9.70 |

Annual Max Momentary Gage Height 14.60 m. (MSL.) , at 06.00 Hours , on May 16, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 9.35 m. (MSL.)

Left Bank Elevation 15.10 m. (MSL.) ,

Right Bank Elevation 14.68 m. (MSL.) , Drainage Are 969 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.35 | 18.85 | 24.25 | 14.30 | 5.00 | 2.80 | 22.60 | 12.80 | 2.60 | 2.00 | 1.65 | 2.00 | | |
| 2 | 20.65 | 33.55 | 25.90 | 13.40 | 4.30 | 2.00 | 16.90 | 14.90 | 2.35 | 1.75 | 1.50 | 1.85 | | |
| 3 | 13.60 | 51.40 | 31.00 | 12.50 | 3.75 | 2.00 | 21.55 | 14.10 | 2.80 | 1.50 | 1.45 | 2.00 | | |
| 4 | 12.00 | 57.20 | 30.85 | 12.00 | 3.40 | 1.85 | 27.10 | 11.60 | 2.00 | 1.60 | 1.25 | 2.00 | | |
| 5 | 11.30 | 50.40 | 24.70 | 11.60 | 3.00 | 3.10 | 16.75 | 8.70 | 1.75 | 1.75 | 1.25 | 2.00 | | |
| 6 | 9.50 | 43.20 | 18.40 | 12.50 | 3.25 | 2.70 | 11.60 | 12.00 | 1.70 | 2.00 | 1.00 | 1.75 | | |
| 7 | 8.80 | 45.60 | 15.20 | 13.10 | 3.25 | 4.80 | 7.90 | 17.35 | 2.75 | 2.65 | 1.00 | 1.50 | | |
| 8 | 6.80 | 54.80 | 13.80 | 12.50 | 3.25 | 11.00 | 7.50 | 11.00 | 3.10 | 54.80 | 1.00 | 1.00 | | |
| 9 | 5.20 | 47.60 | 13.00 | 12.80 | 3.00 | 6.20 | 7.10 | 14.00 | 3.50 | 71.10 | 1.00 | 0.50 | | |
| 10 | 4.70 | 44.60 | 12.50 | 12.00 | 3.00 | 9.30 | 4.90 | 13.10 | 2.40 | 62.75 | 1.00 | 0.50 | | |
| 11 | 8.80 | 41.60 | 12.50 | 13.40 | 2.80 | 7.40 | 4.00 | 12.00 | 2.00 | 49.20 | 1.00 | 0.50 | | |
| 12 | 24.10 | 40.00 | 12.50 | 26.50 | 2.75 | 2.90 | 4.30 | 7.60 | 2.00 | 32.95 | 1.00 | 0.50 | | |
| 13 | 36.80 | 39.40 | 12.00 | 27.10 | 2.40 | 2.00 | 3.40 | 6.00 | 1.65 | 14.60 | 1.00 | 0.50 | | |
| 14 | 30.40 | 50.00 | 11.50 | 18.40 | 2.00 | 2.70 | 2.90 | 5.30 | 2.00 | 9.00 | 1.00 | 0.50 | | |
| 15 | 20.80 | 54.00 | 13.00 | 16.30 | 2.25 | 3.90 | 3.05 | 3.95 | 1.85 | 6.80 | 1.00 | 0.50 | | |
| 16 | 12.70 | 74.40 | 12.50 | 14.40 | 2.25 | 3.80 | 7.20 | 3.50 | 1.85 | 5.40 | 1.00 | 0.50 | | |
| 17 | 10.70 | 65.70 | 12.50 | 13.00 | 2.25 | 3.00 | 8.60 | 3.95 | 2.25 | 4.50 | 1.00 | 0.50 | | |
| 18 | 8.30 | 57.60 | 13.50 | 11.80 | 2.50 | 2.75 | 10.80 | 5.00 | 2.15 | 4.00 | 0.95 | 0.70 | | |
| 19 | 8.00 | 51.20 | 13.00 | 11.00 | 2.65 | 2.40 | 9.00 | 4.50 | 2.40 | 3.75 | 0.95 | 1.50 | | |
| 20 | 17.50 | 45.80 | 13.10 | 10.50 | 2.25 | 2.00 | 8.80 | 4.90 | 2.00 | 3.40 | 0.95 | 1.25 | | |
| 21 | 29.95 | 44.00 | 16.75 | 10.00 | 2.00 | 1.90 | 14.10 | 7.10 | 2.00 | 3.00 | 0.95 | 2.00 | | |
| 22 | 26.80 | 42.40 | 17.20 | 9.40 | 2.00 | 1.75 | 19.00 | 7.60 | 2.45 | 3.00 | 1.25 | 1.75 | | |
| 23 | 32.05 | 45.00 | 19.30 | 7.60 | 1.75 | 1.50 | 34.40 | 4.80 | 3.65 | 3.05 | 1.55 | 1.65 | | |
| 24 | 35.40 | 46.60 | 23.95 | 5.20 | 1.75 | 1.75 | 49.20 | 3.75 | 2.80 | 2.65 | 2.10 | 2.75 | | |
| 25 | 33.70 | 43.80 | 20.20 | 4.50 | 1.75 | 1.70 | 52.00 | 3.45 | 1.80 | 2.50 | 2.50 | 3.15 | | |
| 26 | 40.80 | 40.60 | 24.25 | 4.50 | 1.50 | 2.80 | 49.20 | 3.00 | 2.00 | 2.25 | 2.20 | 4.20 | | |
| 27 | 40.40 | 33.70 | 23.50 | 4.30 | 1.30 | 6.90 | 44.00 | 2.75 | 1.75 | 2.25 | 2.15 | 7.10 | | |
| 28 | 42.20 | 29.50 | 21.70 | 3.80 | 1.25 | 8.70 | 35.80 | 2.50 | 1.85 | 2.00 | 2.05 | 7.80 | | |
| 29 | 34.00 | 30.25 | 18.70 | 4.30 | 1.20 | 6.30 | 24.85 | 2.35 | 2.50 | 2.00 | | 4.70 | | |
| 30 | 33.25 | 30.10 | 15.90 | 4.00 | 1.35 | 10.50 | 16.75 | 3.00 | 2.25 | 1.85 | | 2.75 | | |
| 31 | | 28.00 | | 3.90 | 1.90 | | 13.40 | | 2.00 | 1.65 | | 2.50 | | |
| Total | 651.55 | 1380.85 | 537.15 | 350.60 | 77.05 | 122.40 | 558.65 | 226.55 | 70.15 | 361.70 | 36.70 | 62.40 | 4435.75 | CMSDAY |
| Mean | 21.72 | 44.54 | 17.90 | 11.31 | 2.49 | 4.08 | 18.02 | 7.55 | 2.26 | 11.67 | 1.31 | 2.01 | 12.15 | CMS |
| Max | 42.20 | 74.40 | 31.00 | 27.10 | 5.00 | 11.00 | 52.00 | 17.35 | 3.65 | 71.10 | 2.50 | 7.80 | 74.40 | CMS |
| Min | 4.70 | 18.85 | 11.50 | 3.80 | 1.20 | 1.50 | 2.90 | 2.35 | 1.65 | 1.50 | 0.95 | 0.50 | 0.50 | CMS |
| Runoff | 56.29 | 119.31 | 46.41 | 30.29 | 6.66 | 10.58 | 48.27 | 19.57 | 6.06 | 31.25 | 3.17 | 5.39 | 383.25 | MCM |

Momentary Peak 75.00 CMS. at 14.60 m. (MSL.) at 06.00 Hours , on May 16, 2006

Runoff Yield 12.54 Liters/Second/Square KM. Momentary Peak Yield 77.41 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Wa at Ban Khlong Wa , Songkhla (X.174)

Lat 06 - 59 - 42 N Long 100 - 29 - 05 E

**Location : on right bank at the bridge.**

| | |
|---|---|
| | **Ban** Khlong Wa **Amphoe** Hat Yai **Changwat** Songkhla |
| **Drainge Area** | 116 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank at the abutment of the bridge. **Elevation** +10.954 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1989 to date |
| **Rating Operation** | |
| **Period of Rating** | 1989 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1989 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

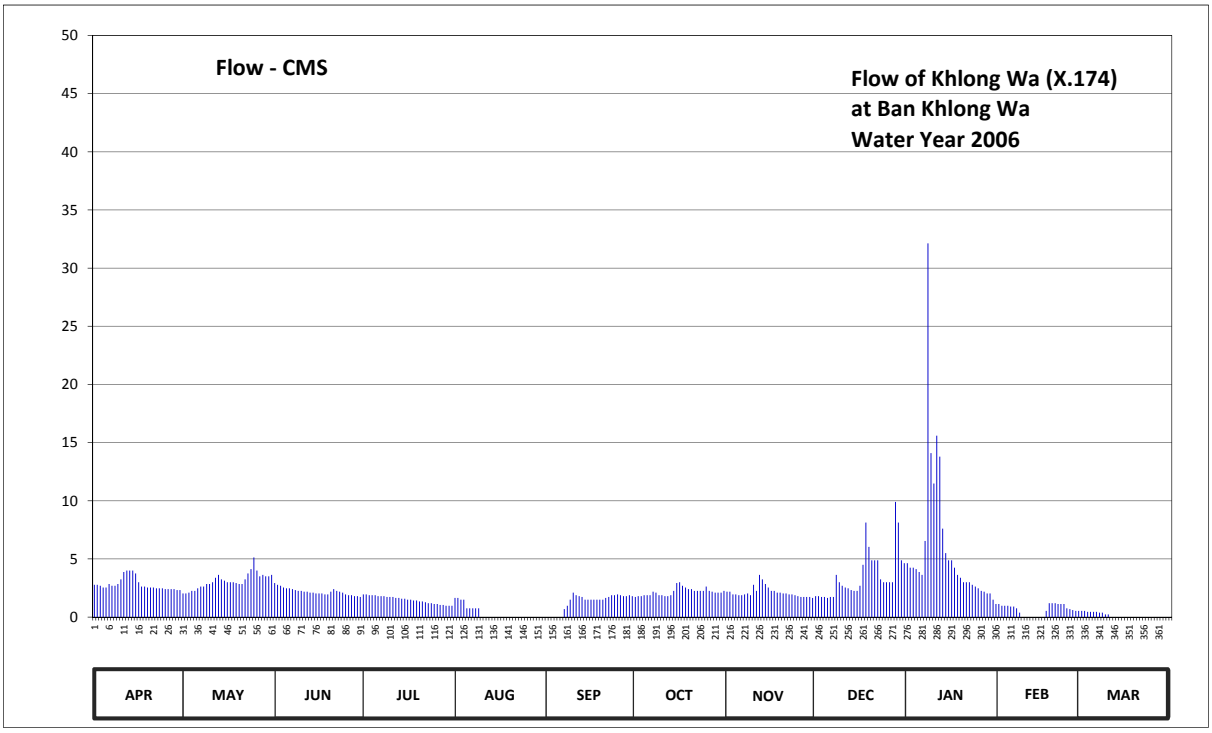
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.17 | 5.07 | 5.19 | 5.06 | 5.02 | 4.80 | 5.03 | 5.09 | 5.04 | 5.33 | 4.95 | 4.87 | |
| 2 | 5.17 | 5.07 | 5.17 | 5.06 | 5.02 | 4.80 | 5.04 | 5.09 | 5.04 | 5.30 | 4.93 | 4.87 | |
| 3 | 5.16 | 5.08 | 5.16 | 5.05 | 5.00 | 4.80 | 5.04 | 5.06 | 5.03 | 5.30 | 4.93 | 4.86 | |
| 4 | 5.14 | 5.10 | 5.14 | 5.05 | 5.00 | 4.80 | 5.05 | 5.06 | 5.03 | 5.29 | 4.93 | 4.86 | |
| 5 | 5.14 | 5.10 | 5.13 | 5.05 | 4.90 | 4.80 | 5.05 | 5.05 | 5.02 | 5.27 | 4.92 | 4.86 | |
| 6 | 5.18 | 5.13 | 5.13 | 5.04 | 4.90 | 4.80 | 5.05 | 5.05 | 5.03 | 5.25 | 4.92 | 4.86 | |
| 7 | 5.16 | 5.15 | 5.12 | 5.04 | 4.90 | 4.89 | 5.09 | 5.06 | 5.03 | 5.46 | 4.90 | 4.85 | |
| 8 | 5.16 | 5.15 | 5.11 | 5.04 | 4.90 | 4.93 | 5.08 | 5.07 | 5.25 | 6.35 | 4.85 | 4.85 | |
| 9 | 5.18 | 5.18 | 5.10 | 5.03 | 4.90 | 5.00 | 5.05 | 5.05 | 5.20 | 5.82 | 4.80 | 4.83 | |
| 10 | 5.22 | 5.18 | 5.10 | 5.03 | 4.80 | 5.08 | 5.05 | 5.17 | 5.16 | 5.71 | 4.78 | 4.83 | |
| 11 | 5.27 | 5.20 | 5.09 | 5.03 | 4.80 | 5.05 | 5.04 | 5.10 | 5.14 | 5.87 | 4.75 | 4.80 | |
| 12 | 5.28 | 5.23 | 5.09 | 5.02 | 4.80 | 5.04 | 5.04 | 5.25 | 5.13 | 5.81 | 4.70 | 4.80 | |
| 13 | 5.28 | 5.25 | 5.08 | 5.02 | 4.80 | 5.03 | 5.05 | 5.22 | 5.11 | 5.52 | 4.70 | 4.80 | |
| 14 | 5.28 | 5.22 | 5.08 | 5.01 | 4.80 | 5.00 | 5.10 | 5.18 | 5.10 | 5.40 | 4.68 | 4.79 | |
| 15 | 5.26 | 5.21 | 5.07 | 5.01 | 4.80 | 5.00 | 5.19 | 5.14 | 5.10 | 5.35 | 4.65 | 4.79 | |
| 16 | 5.20 | 5.20 | 5.07 | 5.00 | 4.80 | 5.00 | 5.20 | 5.10 | 5.16 | 5.35 | 4.70 | 4.79 | |
| 17 | 5.15 | 5.20 | 5.07 | 5.00 | 4.80 | 5.00 | 5.16 | 5.10 | 5.32 | 5.30 | 4.87 | 4.78 | |
| 18 | 5.15 | 5.20 | 5.06 | 4.99 | 4.80 | 5.00 | 5.14 | 5.08 | 5.55 | 5.25 | 4.96 | 4.78 | |
| 19 | 5.14 | 5.19 | 5.06 | 4.99 | 4.80 | 5.00 | 5.12 | 5.08 | 5.43 | 5.23 | 4.96 | 4.78 | |
| 20 | 5.14 | 5.18 | 5.09 | 4.98 | 4.80 | 5.00 | 5.12 | 5.07 | 5.35 | 5.20 | 4.96 | 4.77 | |
| 21 | 5.14 | 5.18 | 5.12 | 4.98 | 4.80 | 5.02 | 5.10 | 5.07 | 5.35 | 5.20 | 4.95 | 4.75 | |
| 22 | 5.13 | 5.22 | 5.10 | 4.97 | 4.80 | 5.03 | 5.10 | 5.06 | 5.35 | 5.20 | 4.95 | 4.75 | |
| 23 | 5.13 | 5.26 | 5.09 | 4.96 | 4.80 | 5.05 | 5.10 | 5.06 | 5.22 | 5.17 | 4.95 | 4.74 | |
| 24 | 5.13 | 5.29 | 5.08 | 4.96 | 4.80 | 5.05 | 5.10 | 5.05 | 5.20 | 5.15 | 4.90 | 4.74 | |
| 25 | 5.12 | 5.37 | 5.06 | 4.95 | 4.80 | 5.06 | 5.15 | 5.04 | 5.20 | 5.13 | 4.89 | 4.72 | |
| 26 | 5.12 | 5.28 | 5.05 | 4.95 | 4.80 | 5.05 | 5.10 | 5.03 | 5.20 | 5.10 | 4.88 | 4.72 | |
| 27 | 5.12 | 5.24 | 5.05 | 4.94 | 4.80 | 5.04 | 5.09 | 5.03 | 5.20 | 5.09 | 4.87 | 4.72 | |
| 28 | 5.12 | 5.25 | 5.04 | 4.94 | 4.80 | 5.04 | 5.08 | 5.03 | 5.64 | 5.07 | 4.87 | 4.71 | |
| 29 | 5.11 | 5.24 | 5.04 | 4.93 | 4.80 | 5.05 | 5.08 | 5.03 | 5.55 | 5.07 | | 4.71 | |
| 30 | 5.11 | 5.24 | 5.03 | 4.93 | 4.80 | 5.04 | 5.08 | 5.02 | 5.35 | 5.00 | | 4.70 | |
| 31 | | 5.25 | | 4.93 | 4.80 | | 5.10 | | 5.33 | 4.95 | | 4.70 | |
| Mean | 5.17 | 5.2 | 5.09 | 5 | 4.84 | 4.97 | 5.09 | 5.08 | 5.22 | 5.34 | 4.86 | 4.79 | |
| Max | 5.28 | 5.37 | 5.19 | 5.06 | 5.02 | 5.08 | 5.20 | 5.25 | 5.64 | 6.35 | 4.96 | 4.87 | 6.35 |
| Min | 5.11 | 5.07 | 5.03 | 4.93 | 4.80 | 4.80 | 5.03 | 5.02 | 5.02 | 4.95 | 4.65 | 4.70 | 4.65 |

Annual Max Momentary Gage Height 6.38 m. (MSL.) , at 12.00 Hours , on Jan 8, 2007

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 4.35 m. (MSL.)

Left Bank Elevation 10.29 m. (MSL.) ,

Right Bank Elevation 10.05 m. (MSL.) , Drainage Are 116 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.78 | 2.03 | 2.93 | 1.95 | 1.65 | 0.00 | 1.73 | 2.18 | 1.80 | 4.63 | 1.13 | 0.53 | | |
| 2 | 2.78 | 2.03 | 2.78 | 1.95 | 1.65 | 0.00 | 1.80 | 2.18 | 1.80 | 4.25 | 0.98 | 0.53 | | |
| 3 | 2.70 | 2.10 | 2.70 | 1.88 | 1.50 | 0.00 | 1.80 | 1.95 | 1.73 | 4.25 | 0.98 | 0.45 | | |
| 4 | 2.55 | 2.25 | 2.55 | 1.88 | 1.50 | 0.00 | 1.88 | 1.95 | 1.73 | 4.13 | 0.98 | 0.45 | | |
| 5 | 2.55 | 2.25 | 2.48 | 1.88 | 0.75 | 0.00 | 1.88 | 1.88 | 1.65 | 3.88 | 0.90 | 0.45 | | |
| 6 | 2.85 | 2.48 | 2.48 | 1.80 | 0.75 | 0.00 | 1.88 | 1.88 | 1.73 | 3.63 | 0.90 | 0.45 | | |
| 7 | 2.70 | 2.63 | 2.40 | 1.80 | 0.75 | 0.68 | 2.18 | 1.95 | 1.73 | 6.55 | 0.75 | 0.38 | | |
| 8 | 2.70 | 2.63 | 2.33 | 1.80 | 0.75 | 0.98 | 2.10 | 2.03 | 3.63 | 32.13 | 0.38 | 0.38 | | |
| 9 | 2.85 | 2.85 | 2.25 | 1.73 | 0.75 | 1.50 | 1.88 | 1.88 | 3.00 | 14.10 | 0.00 | 0.23 | | |
| 10 | 3.25 | 2.85 | 2.25 | 1.73 | 0.00 | 2.10 | 1.88 | 2.78 | 2.70 | 11.48 | 0.00 | 0.23 | | |
| 11 | 3.88 | 3.00 | 2.18 | 1.73 | 0.00 | 1.88 | 1.80 | 2.25 | 2.55 | 15.60 | 0.00 | 0.00 | | |
| 12 | 4.00 | 3.38 | 2.18 | 1.65 | 0.00 | 1.80 | 1.80 | 3.63 | 2.48 | 13.80 | 0.00 | 0.00 | | |
| 13 | 4.00 | 3.63 | 2.10 | 1.65 | 0.00 | 1.73 | 1.88 | 3.25 | 2.33 | 7.60 | 0.00 | 0.00 | | |
| 14 | 4.00 | 3.25 | 2.10 | 1.58 | 0.00 | 1.50 | 2.25 | 2.85 | 2.25 | 5.50 | 0.00 | 0.00 | | |
| 15 | 3.75 | 3.13 | 2.03 | 1.58 | 0.00 | 1.50 | 2.93 | 2.55 | 2.25 | 4.88 | 0.00 | 0.00 | | |
| 16 | 3.00 | 3.00 | 2.03 | 1.50 | 0.00 | 1.50 | 3.00 | 2.25 | 2.70 | 4.88 | 0.00 | 0.00 | | |
| 17 | 2.63 | 3.00 | 2.03 | 1.50 | 0.00 | 1.50 | 2.70 | 2.25 | 4.50 | 4.25 | 0.53 | 0.00 | | |
| 18 | 2.63 | 3.00 | 1.95 | 1.43 | 0.00 | 1.50 | 2.55 | 2.10 | 8.13 | 3.63 | 1.20 | 0.00 | | |
| 19 | 2.55 | 2.93 | 1.95 | 1.43 | 0.00 | 1.50 | 2.40 | 2.10 | 6.03 | 3.38 | 1.20 | 0.00 | | |
| 20 | 2.55 | 2.85 | 2.18 | 1.35 | 0.00 | 1.50 | 2.40 | 2.03 | 4.88 | 3.00 | 1.20 | 0.00 | | |
| 21 | 2.55 | 2.85 | 2.40 | 1.35 | 0.00 | 1.65 | 2.25 | 2.03 | 4.88 | 3.00 | 1.13 | 0.00 | | |
| 22 | 2.48 | 3.25 | 2.25 | 1.28 | 0.00 | 1.73 | 2.25 | 1.95 | 4.88 | 3.00 | 1.13 | 0.00 | | |
| 23 | 2.48 | 3.75 | 2.18 | 1.20 | 0.00 | 1.88 | 2.25 | 1.95 | 3.25 | 2.78 | 1.13 | 0.00 | | |
| 24 | 2.48 | 4.13 | 2.10 | 1.20 | 0.00 | 1.88 | 2.25 | 1.88 | 3.00 | 2.63 | 0.75 | 0.00 | | |
| 25 | 2.40 | 5.13 | 1.95 | 1.13 | 0.00 | 1.95 | 2.63 | 1.80 | 3.00 | 2.48 | 0.68 | 0.00 | | |
| 26 | 2.40 | 4.00 | 1.88 | 1.13 | 0.00 | 1.88 | 2.25 | 1.73 | 3.00 | 2.25 | 0.60 | 0.00 | | |
| 27 | 2.40 | 3.50 | 1.88 | 1.05 | 0.00 | 1.80 | 2.18 | 1.73 | 3.00 | 2.18 | 0.53 | 0.00 | | |
| 28 | 2.40 | 3.63 | 1.80 | 1.05 | 0.00 | 1.80 | 2.10 | 1.73 | 9.90 | 2.03 | 0.53 | 0.00 | | |
| 29 | 2.33 | 3.50 | 1.80 | 0.98 | 0.00 | 1.88 | 2.10 | 1.73 | 8.13 | 2.03 | | 0.00 | | |
| 30 | 2.33 | 3.50 | 1.73 | 0.98 | 0.00 | 1.80 | 2.10 | 1.65 | 4.88 | 1.50 | | 0.00 | | |
| 31 | | 3.63 | | 0.98 | 0.00 | | 2.25 | | 4.63 | 1.13 | | 0.00 | | |
| Total | 84.95 | 96.14 | 65.85 | 46.13 | 10.05 | 39.42 | 67.33 | 64.10 | 112.15 | 180.56 | 17.61 | 4.08 | 788.37 | CMSDAY |
| Mean | 2.83 | 3.10 | 2.20 | 1.49 | 0.32 | 1.31 | 2.17 | 2.14 | 3.62 | 5.82 | 0.63 | 0.13 | 2.16 | CMS |
| Max | 4.00 | 5.13 | 2.93 | 1.95 | 1.65 | 2.10 | 3.00 | 3.63 | 9.90 | 32.13 | 1.20 | 0.53 | 32.13 | CMS |
| Min | 2.33 | 2.03 | 1.73 | 0.98 | 0.00 | 0.00 | 1.73 | 1.65 | 1.65 | 1.13 | 0.00 | 0.00 | 0.00 | CMS |
| Runoff | 7.34 | 8.31 | 5.69 | 3.99 | 0.87 | 3.41 | 5.82 | 5.54 | 9.69 | 15.60 | 1.52 | 0.35 | 68.12 | MCM |

Momentary Peak 33.25 CMS. at 6.38 m. (MSL.) at 12.00 Hours , on Jan 8, 2007

Runoff Yield 18.63 Liters/Second/Square KM. Momentary Peak Yield 286.86 Liters/Second/Square KM.

## WATER YEAR : 2006

## THALE SAP SONGKHLA

### Upper Khlong Wat at Ban Hu Rae , Songkhla (X.240)

Lat 06 - 59 - 03 N Long 100 - 19 - 44 E

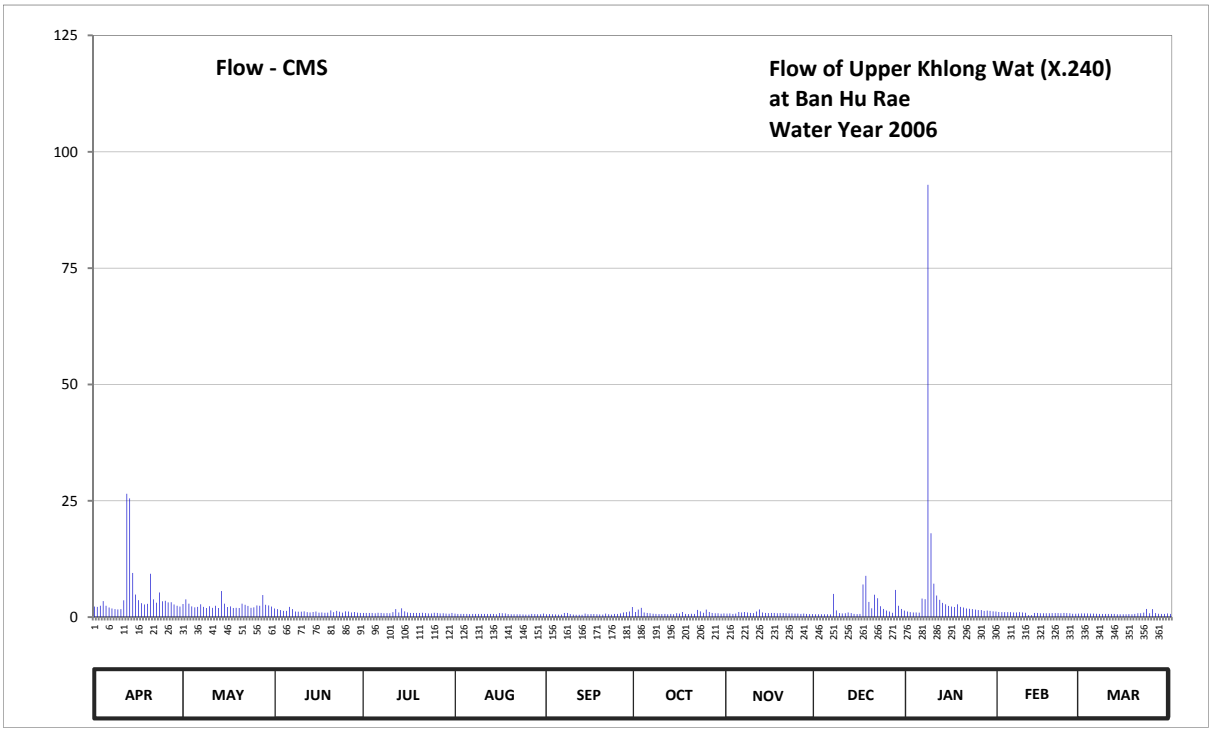
**Location : on right bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Hu Rae | **Amphoe** Hat Yai | **Changwat** Songkhla |
| **Drainge Area** | 127 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank near the top staff gage. | **Elevation** | +25.224 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 30 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.25 | 18.36 | 18.17 | 17.96 | 17.90 | 17.85 | 18.02 | 17.90 | 17.85 | 18.04 | 18.02 | 17.91 | |
| 2 | 18.24 | 18.56 | 18.14 | 17.95 | 17.88 | 17.86 | 18.12 | 17.92 | 17.85 | 18.01 | 18.01 | 17.91 | |
| 3 | 18.29 | 18.38 | 18.10 | 17.95 | 17.88 | 17.84 | 18.20 | 17.88 | 17.85 | 18.00 | 18.01 | 17.91 | |
| 4 | 18.49 | 18.26 | 18.07 | 17.95 | 17.87 | 17.83 | 18.00 | 17.90 | 17.85 | 17.99 | 18.01 | 17.90 | |
| 5 | 18.29 | 18.22 | 18.07 | 17.93 | 17.87 | 17.82 | 17.95 | 18.02 | 17.85 | 17.98 | 18.01 | 17.90 | |
| 6 | 18.21 | 18.24 | 18.24 | 17.97 | 17.86 | 17.82 | 17.93 | 18.00 | 17.83 | 18.60 | 18.00 | 17.89 | |
| 7 | 18.17 | 18.35 | 18.14 | 17.95 | 17.87 | 17.96 | 17.89 | 18.02 | 18.80 | 18.57 | 18.00 | 17.88 | |
| 8 | 18.14 | 18.24 | 18.04 | 17.93 | 17.87 | 17.95 | 17.87 | 18.00 | 18.09 | 22.77 | 18.01 | 17.87 | |
| 9 | 18.13 | 18.19 | 18.03 | 17.94 | 17.88 | 17.86 | 17.86 | 17.95 | 17.94 | 20.68 | 17.99 | 17.87 | |
| 10 | 18.14 | 18.27 | 18.03 | 17.93 | 17.88 | 17.82 | 17.86 | 17.94 | 17.91 | 19.20 | 17.97 | 17.87 | |
| 11 | 18.52 | 18.20 | 18.05 | 18.01 | 17.88 | 17.80 | 17.87 | 18.04 | 17.93 | 18.73 | 17.76 | 17.87 | |
| 12 | 21.26 | 18.29 | 18.01 | 18.14 | 17.87 | 17.81 | 17.85 | 18.13 | 18.00 | 18.54 | 17.76 | 17.87 | |
| 13 | 21.22 | 18.19 | 17.99 | 18.00 | 17.87 | 17.81 | 17.88 | 18.00 | 17.94 | 18.41 | 17.96 | 17.85 | |
| 14 | 19.58 | 18.92 | 18.02 | 18.18 | 17.87 | 17.90 | 17.85 | 17.96 | 17.87 | 18.35 | 17.95 | 17.85 | |
| 15 | 18.77 | 18.38 | 18.04 | 18.05 | 17.84 | 17.84 | 17.93 | 17.94 | 17.86 | 18.28 | 17.93 | 17.85 | |
| 16 | 18.53 | 18.23 | 17.98 | 18.00 | 17.94 | 17.86 | 17.90 | 17.95 | 17.87 | 18.25 | 17.93 | 17.84 | |
| 17 | 18.40 | 18.26 | 17.99 | 17.96 | 17.93 | 17.86 | 18.02 | 17.96 | 19.17 | 18.23 | 17.93 | 17.86 | |
| 18 | 18.34 | 18.19 | 17.97 | 17.95 | 17.91 | 17.84 | 17.88 | 17.93 | 19.48 | 18.35 | 17.93 | 17.85 | |
| 19 | 18.37 | 18.20 | 17.98 | 17.96 | 17.86 | 17.83 | 17.86 | 17.94 | 18.45 | 18.24 | 17.94 | 17.87 | |
| 20 | 19.55 | 18.19 | 18.09 | 17.96 | 17.85 | 17.82 | 17.89 | 17.94 | 18.18 | 18.21 | 17.94 | 17.93 | |
| 21 | 18.56 | 18.38 | 18.01 | 17.97 | 17.85 | 17.90 | 17.88 | 17.93 | 18.76 | 18.17 | 17.94 | 17.93 | |
| 22 | 18.42 | 18.33 | 18.07 | 17.94 | 17.84 | 17.84 | 18.11 | 17.92 | 18.61 | 18.16 | 17.93 | 17.98 | |
| 23 | 18.86 | 18.28 | 18.03 | 17.91 | 17.84 | 17.82 | 18.05 | 17.91 | 18.27 | 18.14 | 17.95 | 18.15 | |
| 24 | 18.48 | 18.20 | 17.98 | 17.92 | 17.83 | 17.88 | 17.97 | 17.90 | 18.15 | 18.12 | 17.94 | 17.93 | |
| 25 | 18.50 | 18.22 | 18.05 | 17.97 | 17.82 | 17.88 | 18.12 | 17.90 | 18.08 | 18.10 | 17.93 | 18.14 | |
| 26 | 18.43 | 18.30 | 18.04 | 17.96 | 17.82 | 17.92 | 18.02 | 17.88 | 18.04 | 18.10 | 17.89 | 17.94 | |
| 27 | 18.44 | 18.29 | 18.00 | 17.91 | 17.87 | 17.99 | 17.95 | 17.90 | 17.97 | 18.07 | 17.89 | 17.89 | |
| 28 | 18.34 | 18.75 | 18.02 | 17.93 | 17.86 | 18.01 | 17.93 | 17.87 | 18.97 | 18.08 | 17.90 | 17.87 | |
| 29 | 18.29 | 18.33 | 17.98 | 17.90 | 17.84 | 18.04 | 17.93 | 17.86 | 18.29 | 18.07 | | 17.87 | |
| 30 | 18.25 | 18.30 | 17.96 | 17.89 | 17.84 | 18.23 | 17.89 | 17.86 | 18.15 | 18.05 | | 17.92 | |
| 31 | | 18.25 | | 17.96 | 17.90 | | 17.91 | | 18.08 | 18.04 | | 17.88 | |
| Mean | 18.65 | 18.31 | 18.04 | 17.97 | 17.87 | 17.88 | 17.95 | 17.94 | 18.19 | 18.47 | 17.94 | 17.90 | |
| Max | 21.26 | 18.92 | 18.24 | 18.18 | 17.94 | 18.23 | 18.20 | 18.13 | 19.48 | 22.77 | 18.02 | 18.15 | 22.77 |
| Min | 18.13 | 18.19 | 17.96 | 17.89 | 17.82 | 17.80 | 17.85 | 17.86 | 17.83 | 17.98 | 17.76 | 17.84 | 17.76 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 22.93 | m. (MSL.) , | at 09.00 Hours , on Jan 8 , 2007 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 16.97 | m. (MSL.) |
| Left Bank Elevation | 24.58 | m. (MSL.) , | | | |
| Right Bank Elevation | 24.00 | m. (MSL.) , | Drainage Are | 127 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.25 | 2.80 | 1.85 | 0.90 | 0.75 | 0.63 | 1.10 | 0.75 | 0.63 | 1.20 | 1.10 | 0.78 | | |
| 2 | 2.20 | 3.80 | 1.70 | 0.88 | 0.70 | 0.65 | 1.60 | 0.80 | 0.63 | 1.05 | 1.05 | 0.78 | | |
| 3 | 2.45 | 2.90 | 1.50 | 0.88 | 0.70 | 0.60 | 2.00 | 0.70 | 0.63 | 1.00 | 1.05 | 0.78 | | |
| 4 | 3.45 | 2.30 | 1.35 | 0.88 | 0.68 | 0.58 | 1.00 | 0.75 | 0.63 | 0.98 | 1.05 | 0.75 | | |
| 5 | 2.45 | 2.10 | 1.35 | 0.83 | 0.68 | 0.55 | 0.88 | 1.10 | 0.63 | 0.95 | 1.05 | 0.75 | | |
| 6 | 2.05 | 2.20 | 2.20 | 0.93 | 0.65 | 0.55 | 0.83 | 1.00 | 0.58 | 4.00 | 1.00 | 0.73 | | |
| 7 | 1.85 | 2.75 | 1.70 | 0.88 | 0.68 | 0.90 | 0.73 | 1.10 | 5.00 | 3.85 | 1.00 | 0.70 | | |
| 8 | 1.70 | 2.20 | 1.20 | 0.83 | 0.68 | 0.88 | 0.68 | 1.00 | 1.45 | 92.90 | 1.05 | 0.68 | | |
| 9 | 1.65 | 1.95 | 1.15 | 0.85 | 0.70 | 0.65 | 0.65 | 0.88 | 0.85 | 18.00 | 0.98 | 0.68 | | |
| 10 | 1.70 | 2.35 | 1.15 | 0.83 | 0.70 | 0.55 | 0.65 | 0.85 | 0.78 | 7.20 | 0.93 | 0.68 | | |
| 11 | 3.60 | 2.00 | 1.25 | 1.05 | 0.70 | 0.50 | 0.68 | 1.20 | 0.83 | 4.65 | 0.40 | 0.68 | | |
| 12 | 26.50 | 2.45 | 1.05 | 1.70 | 0.68 | 0.53 | 0.63 | 1.65 | 1.00 | 3.70 | 0.40 | 0.68 | | |
| 13 | 25.50 | 1.95 | 0.98 | 1.00 | 0.68 | 0.53 | 0.70 | 1.00 | 0.85 | 3.05 | 0.90 | 0.63 | | |
| 14 | 9.48 | 5.60 | 1.10 | 1.90 | 0.68 | 0.75 | 0.63 | 0.90 | 0.68 | 2.75 | 0.88 | 0.63 | | |
| 15 | 4.85 | 2.90 | 1.20 | 1.25 | 0.60 | 0.60 | 0.83 | 0.85 | 0.65 | 2.40 | 0.83 | 0.63 | | |
| 16 | 3.65 | 2.15 | 0.95 | 1.00 | 0.85 | 0.65 | 0.75 | 0.88 | 0.68 | 2.25 | 0.83 | 0.60 | | |
| 17 | 3.00 | 2.30 | 0.98 | 0.90 | 0.83 | 0.65 | 1.10 | 0.90 | 7.02 | 2.15 | 0.83 | 0.65 | | |
| 18 | 2.70 | 1.95 | 0.93 | 0.88 | 0.78 | 0.60 | 0.70 | 0.83 | 8.88 | 2.75 | 0.83 | 0.63 | | |
| 19 | 2.85 | 2.00 | 0.95 | 0.90 | 0.65 | 0.58 | 0.65 | 0.85 | 3.25 | 2.20 | 0.85 | 0.68 | | |
| 20 | 9.30 | 1.95 | 1.45 | 0.90 | 0.63 | 0.55 | 0.73 | 0.85 | 1.90 | 2.05 | 0.85 | 0.83 | | |
| 21 | 3.80 | 2.90 | 1.05 | 0.93 | 0.63 | 0.75 | 0.70 | 0.83 | 4.80 | 1.85 | 0.85 | 0.83 | | |
| 22 | 3.10 | 2.65 | 1.35 | 0.85 | 0.60 | 0.60 | 1.55 | 0.80 | 4.05 | 1.80 | 0.83 | 0.95 | | |
| 23 | 5.30 | 2.40 | 1.15 | 0.78 | 0.60 | 0.55 | 1.25 | 0.78 | 2.35 | 1.70 | 0.88 | 1.75 | | |
| 24 | 3.40 | 2.00 | 0.95 | 0.80 | 0.58 | 0.70 | 0.93 | 0.75 | 1.75 | 1.60 | 0.85 | 0.83 | | |
| 25 | 3.50 | 2.10 | 1.25 | 0.93 | 0.55 | 0.70 | 1.60 | 0.75 | 1.40 | 1.50 | 0.83 | 1.70 | | |
| 26 | 3.15 | 2.50 | 1.20 | 0.90 | 0.55 | 0.80 | 1.10 | 0.70 | 1.20 | 1.50 | 0.73 | 0.85 | | |
| 27 | 3.20 | 2.45 | 1.00 | 0.78 | 0.68 | 0.98 | 0.88 | 0.75 | 0.93 | 1.35 | 0.73 | 0.73 | | |
| 28 | 2.70 | 4.75 | 1.10 | 0.83 | 0.65 | 1.05 | 0.83 | 0.68 | 5.85 | 1.40 | 0.75 | 0.68 | | |
| 29 | 2.45 | 2.65 | 0.95 | 0.75 | 0.60 | 1.20 | 0.83 | 0.65 | 2.45 | 1.35 | | 0.68 | | |
| 30 | 2.25 | 2.50 | 0.90 | 0.73 | 0.60 | 2.15 | 0.73 | 0.65 | 1.75 | 1.25 | | 0.80 | | |
| 31 | | 2.25 | | 0.90 | 0.75 | | 0.78 | | 1.40 | 1.20 | | 0.70 | | |
| Total | 146.03 | 79.75 | 36.89 | 29.35 | 20.79 | 21.96 | 28.70 | 26.18 | 65.48 | 175.58 | 24.31 | 24.45 | 679.47 | CMSDAY |
| Mean | 4.87 | 2.57 | 1.23 | 0.95 | 0.67 | 0.73 | 0.93 | 0.87 | 2.11 | 5.66 | 0.87 | 0.79 | 1.86 | CMS |
| Max | 26.50 | 5.60 | 2.20 | 1.90 | 0.85 | 2.15 | 2.00 | 1.65 | 8.88 | 92.90 | 1.10 | 1.75 | 92.90 | CMS |
| Min | 1.65 | 1.95 | 0.90 | 0.73 | 0.55 | 0.50 | 0.63 | 0.65 | 0.58 | 0.95 | 0.40 | 0.60 | 0.40 | CMS |
| Runoff | 12.62 | 6.89 | 3.19 | 2.54 | 1.80 | 1.90 | 2.48 | 2.26 | 5.66 | 15.17 | 2.10 | 2.11 | 58.71 | MCM |

Momentary Peak 106.05 CMS. at 22.93 m. (MSL.) at 09.00 Hours , on Jan 8 , 2007

Runoff Yield 14.61 Liters/Second/Square KM. Momentary Peak Yield 832.29 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Trang River at Ban Tha Pradu , Trang (X.56)

Lat 07 - 46 - 01 N Long 99 - 32 - 25 E

**Location : on left bank at Ban Tha Pradu.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Pradu | **Amphoe** Huai Yot | **Changwat** Trang |
| **Drainge Area** | 1,801 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the top staff gage. | | **Elevation** +19.353 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 15 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

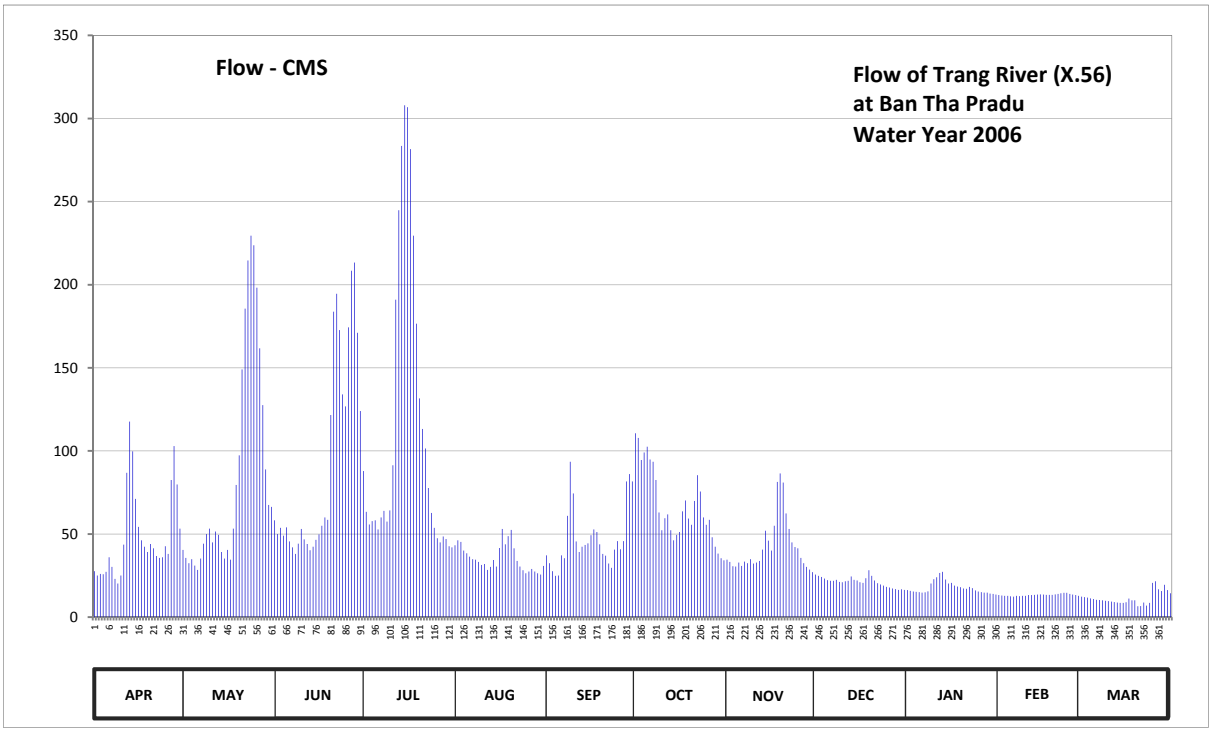
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.93 | 8.57 | 9.33 | 10.31 | 8.71 | 8.41 | 10.96 | 8.28 | 7.83 | 7.35 | 7.15 | 7.09 | |
| 2 | 7.80 | 8.33 | 9.00 | 9.51 | 8.85 | 8.17 | 10.88 | 8.21 | 7.79 | 7.32 | 7.13 | 7.07 | |
| 3 | 7.85 | 8.17 | 9.15 | 9.23 | 8.81 | 7.93 | 10.50 | 8.08 | 7.76 | 7.29 | 7.12 | 7.05 | |
| 4 | 7.84 | 8.29 | 8.96 | 9.31 | 8.55 | 7.79 | 10.63 | 8.07 | 7.71 | 7.28 | 7.12 | 7.02 | |
| 5 | 7.91 | 8.10 | 9.16 | 9.33 | 8.47 | 7.80 | 10.73 | 8.19 | 7.66 | 7.27 | 7.10 | 6.99 | |
| 6 | 8.35 | 7.97 | 8.82 | 9.11 | 8.37 | 8.41 | 10.51 | 8.09 | 7.64 | 7.25 | 7.09 | 6.96 | |
| 7 | 8.06 | 8.31 | 8.65 | 9.40 | 8.29 | 8.32 | 10.47 | 8.22 | 7.64 | 7.26 | 7.12 | 6.95 | |
| 8 | 7.70 | 8.76 | 8.45 | 9.53 | 8.28 | 9.43 | 10.15 | 8.17 | 7.67 | 7.30 | 7.11 | 6.94 | |
| 9 | 7.56 | 9.00 | 8.76 | 9.30 | 8.21 | 10.47 | 9.50 | 8.29 | 7.61 | 7.56 | 7.12 | 6.92 | |
| 10 | 7.80 | 9.13 | 9.12 | 9.54 | 8.12 | 9.88 | 9.09 | 8.16 | 7.60 | 7.69 | 7.12 | 6.91 | |
| 11 | 8.73 | 8.80 | 8.87 | 10.41 | 8.15 | 8.82 | 9.38 | 8.19 | 7.63 | 7.75 | 7.15 | 6.89 | |
| 12 | 10.28 | 9.06 | 8.75 | 12.65 | 7.97 | 8.51 | 9.46 | 8.24 | 7.64 | 7.88 | 7.15 | 6.87 | |
| 13 | 11.14 | 8.98 | 8.56 | 13.46 | 8.06 | 8.67 | 9.09 | 8.58 | 7.77 | 7.91 | 7.16 | 6.85 | |
| 14 | 10.65 | 8.51 | 8.67 | 13.90 | 8.27 | 8.72 | 8.85 | 9.08 | 7.67 | 7.68 | 7.17 | 6.84 | |
| 15 | 9.77 | 8.31 | 8.86 | 14.13 | 8.07 | 8.77 | 8.98 | 8.84 | 7.65 | 7.56 | 7.18 | 6.84 | |
| 16 | 9.17 | 8.57 | 8.99 | 14.12 | 8.63 | 8.97 | 9.05 | 8.55 | 7.60 | 7.58 | 7.17 | 6.86 | |
| 17 | 8.85 | 8.28 | 9.20 | 13.88 | 9.12 | 9.11 | 9.52 | 9.20 | 7.58 | 7.50 | 7.16 | 7.01 | |
| 18 | 8.67 | 9.13 | 9.40 | 13.26 | 8.74 | 9.05 | 9.74 | 10.11 | 7.72 | 7.47 | 7.16 | 6.94 | |
| 19 | 8.51 | 10.05 | 9.34 | 12.41 | 8.95 | 8.74 | 9.37 | 10.27 | 7.96 | 7.45 | 7.16 | 6.94 | |
| 20 | 8.75 | 10.58 | 11.24 | 11.49 | 9.10 | 8.45 | 9.22 | 10.10 | 7.79 | 7.41 | 7.18 | 6.70 | |
| 21 | 8.62 | 11.90 | 12.53 | 11.03 | 8.62 | 8.40 | 9.73 | 9.48 | 7.65 | 7.40 | 7.20 | 6.71 | |
| 22 | 8.39 | 12.56 | 12.71 | 10.70 | 8.24 | 8.16 | 10.24 | 9.12 | 7.57 | 7.46 | 7.22 | 6.85 | |
| 23 | 8.33 | 13.04 | 12.34 | 9.99 | 8.07 | 8.03 | 9.92 | 8.80 | 7.53 | 7.42 | 7.24 | 6.73 | |
| 24 | 8.35 | 13.26 | 11.55 | 9.49 | 7.96 | 8.58 | 9.40 | 8.66 | 7.50 | 7.34 | 7.24 | 6.84 | |
| 25 | 8.68 | 13.18 | 11.37 | 9.15 | 7.87 | 8.83 | 9.22 | 8.62 | 7.46 | 7.29 | 7.20 | 7.58 | |
| 26 | 8.45 | 12.77 | 12.37 | 8.90 | 7.92 | 8.59 | 9.34 | 8.33 | 7.44 | 7.27 | 7.17 | 7.63 | |
| 27 | 10.15 | 12.14 | 12.94 | 8.80 | 8.00 | 8.83 | 8.92 | 8.17 | 7.41 | 7.25 | 7.15 | 7.38 | |
| 28 | 10.74 | 11.39 | 13.02 | 8.94 | 7.92 | 10.12 | 8.67 | 8.06 | 7.39 | 7.25 | 7.12 | 7.31 | |
| 29 | 10.06 | 10.34 | 12.31 | 8.88 | 7.87 | 10.26 | 8.46 | 7.98 | 7.36 | 7.21 | | 7.52 | |
| 30 | 9.13 | 9.65 | 11.30 | 8.68 | 7.83 | 10.12 | 8.32 | 7.90 | 7.38 | 7.20 | | 7.35 | |
| 31 | | 9.61 | | 8.65 | 8.09 | | 8.26 | | 7.36 | 7.17 | | 7.22 | |
| Mean | 8.81 | 9.83 | 10.12 | 10.56 | 8.33 | 8.81 | 9.57 | 8.60 | 7.61 | 7.42 | 7.16 | 7.02 | |
| Max | 11.14 | 13.26 | 13.02 | 14.13 | 9.12 | 10.47 | 10.96 | 10.27 | 7.96 | 7.91 | 7.24 | 7.63 | 14.13 |
| Min | 7.56 | 7.97 | 8.45 | 8.65 | 7.83 | 7.79 | 8.26 | 7.90 | 7.36 | 7.17 | 7.09 | 6.70 | 6.70 |

Annual Max Momentary Gage Height 14.16 m. (MSL.) , at 20.00 Hours , on Jul 15 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 5.38 m. (MSL)

Left Bank Elevation 19.44 m. (MSL.) ,

Right Bank Elevation 19.47 m. (MSL.) , Drainage Are 1,801 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27.60 | 40.40 | 58.25 | 87.85 | 43.20 | 37.20 | 110.60 | 34.60 | 25.60 | 16.25 | 13.25 | 12.35 | | |
| 2 | 25.00 | 35.60 | 50.00 | 63.30 | 46.25 | 32.40 | 107.80 | 33.20 | 24.80 | 15.80 | 12.95 | 12.05 | | |
| 3 | 26.00 | 32.40 | 53.75 | 55.75 | 45.25 | 27.60 | 94.50 | 30.60 | 24.20 | 15.35 | 12.80 | 11.75 | | |
| 4 | 25.80 | 34.80 | 49.00 | 57.75 | 40.00 | 24.80 | 99.05 | 30.40 | 23.20 | 15.20 | 12.80 | 11.30 | | |
| 5 | 27.20 | 31.00 | 54.00 | 58.25 | 38.40 | 25.00 | 102.55 | 32.80 | 22.20 | 15.05 | 12.50 | 10.85 | | |
| 6 | 36.00 | 28.40 | 45.50 | 52.75 | 36.40 | 37.20 | 94.85 | 30.80 | 21.80 | 14.75 | 12.35 | 10.40 | | |
| 7 | 30.20 | 35.20 | 42.00 | 60.00 | 34.80 | 35.40 | 93.45 | 33.40 | 21.80 | 14.90 | 12.80 | 10.25 | | |
| 8 | 23.00 | 44.20 | 38.00 | 63.90 | 34.60 | 60.90 | 82.50 | 32.40 | 22.40 | 15.50 | 12.65 | 10.10 | | |
| 9 | 20.20 | 50.00 | 44.20 | 57.50 | 33.20 | 93.45 | 63.00 | 34.80 | 21.20 | 20.20 | 12.80 | 9.80 | | |
| 10 | 25.00 | 53.25 | 53.00 | 64.20 | 31.40 | 74.40 | 52.25 | 32.20 | 21.00 | 22.80 | 12.80 | 9.65 | | |
| 11 | 43.60 | 45.00 | 46.75 | 91.35 | 32.00 | 45.50 | 59.50 | 32.80 | 21.60 | 24.00 | 13.25 | 9.35 | | |
| 12 | 86.80 | 51.50 | 44.00 | 191.00 | 28.40 | 39.20 | 61.80 | 33.80 | 21.80 | 26.60 | 13.25 | 9.05 | | |
| 13 | 117.60 | 49.50 | 40.20 | 244.80 | 30.20 | 42.40 | 52.25 | 40.60 | 24.40 | 27.20 | 13.40 | 8.75 | | |
| 14 | 99.75 | 39.20 | 42.40 | 283.50 | 34.40 | 43.40 | 46.25 | 52.00 | 22.40 | 22.60 | 13.55 | 8.60 | | |
| 15 | 71.10 | 35.20 | 46.50 | 307.95 | 30.40 | 44.40 | 49.50 | 46.00 | 22.00 | 20.20 | 13.70 | 8.60 | | |
| 16 | 54.25 | 40.40 | 49.75 | 306.80 | 41.60 | 49.25 | 51.25 | 40.00 | 21.00 | 20.60 | 13.55 | 8.90 | | |
| 17 | 46.25 | 34.60 | 55.00 | 281.60 | 53.00 | 52.75 | 63.60 | 55.00 | 20.60 | 19.00 | 13.40 | 11.15 | | |
| 18 | 42.40 | 53.25 | 60.00 | 229.50 | 43.80 | 51.25 | 70.20 | 81.30 | 23.40 | 18.40 | 13.40 | 10.10 | | |
| 19 | 39.20 | 79.50 | 58.50 | 176.60 | 48.75 | 43.80 | 59.25 | 86.45 | 28.20 | 18.00 | 13.40 | 10.10 | | |
| 20 | 44.00 | 97.30 | 121.60 | 131.60 | 52.50 | 38.00 | 55.50 | 81.00 | 24.80 | 17.20 | 13.70 | 6.50 | | |
| 21 | 41.40 | 149.00 | 183.80 | 113.20 | 41.40 | 37.00 | 69.90 | 62.40 | 22.00 | 17.00 | 14.00 | 6.65 | | |
| 22 | 36.80 | 185.60 | 194.60 | 101.50 | 33.80 | 32.20 | 85.40 | 53.00 | 20.40 | 18.20 | 14.30 | 8.75 | | |
| 23 | 35.60 | 214.60 | 172.70 | 77.70 | 30.40 | 29.60 | 75.60 | 45.00 | 19.60 | 17.40 | 14.60 | 6.95 | | |
| 24 | 36.00 | 229.50 | 134.00 | 62.70 | 28.20 | 40.60 | 60.00 | 42.20 | 19.00 | 16.10 | 14.60 | 8.60 | | |
| 25 | 42.60 | 223.70 | 126.80 | 53.75 | 26.40 | 45.75 | 55.50 | 41.40 | 18.20 | 15.35 | 14.00 | 20.60 | | |
| 26 | 38.00 | 198.20 | 174.35 | 47.50 | 27.40 | 40.80 | 58.50 | 35.60 | 17.80 | 15.05 | 13.55 | 21.60 | | |
| 27 | 82.50 | 161.70 | 208.40 | 45.00 | 29.00 | 45.75 | 48.00 | 32.40 | 17.20 | 14.75 | 13.25 | 16.70 | | |
| 28 | 102.90 | 127.60 | 213.30 | 48.50 | 27.40 | 81.60 | 42.40 | 30.20 | 16.85 | 14.75 | 12.80 | 15.65 | | |
| 29 | 79.80 | 88.90 | 171.05 | 47.00 | 26.40 | 86.10 | 38.20 | 28.60 | 16.40 | 14.15 | | 19.40 | | |
| 30 | 53.25 | 67.50 | 124.00 | 42.60 | 25.60 | 81.60 | 35.40 | 27.00 | 16.70 | 14.00 | | 16.25 | | |
| 31 | | 66.30 | | 42.00 | 30.80 | | 34.20 | | 16.40 | 13.55 | | 14.30 | | |
| Total | 1459.80 | 2623.30 | 2755.40 | 3547.40 | 1105.35 | 1419.30 | 2072.75 | 1271.95 | 658.95 | 549.90 | 373.40 | 355.05 | 18192.55 | CMSDAY |
| Mean | 48.66 | 84.62 | 91.85 | 114.43 | 35.66 | 47.31 | 66.86 | 42.40 | 21.26 | 17.74 | 13.34 | 11.45 | 49.84 | CMS |
| Max | 117.60 | 229.50 | 213.30 | 307.95 | 53.00 | 93.45 | 110.60 | 86.45 | 28.20 | 27.20 | 14.60 | 21.60 | 307.95 | CMS |
| Min | 20.20 | 28.40 | 38.00 | 42.00 | 25.60 | 24.80 | 34.20 | 27.00 | 16.40 | 13.55 | 12.35 | 6.50 | 6.50 | CMS |
| Runoff | 126.13 | 226.65 | 238.07 | 306.50 | 95.50 | 122.63 | 179.09 | 109.90 | 56.93 | 47.51 | 32.26 | 30.68 | 1571.84 | MCM |

Momentary Peak 311.40 CMS. at 14.16 m. (MSL.) at 20.00 Hours , on Jul 15 , 2006

Runoff Yield 27.67 Liters/Second/Square KM. Momentary Peak Yield 172.90 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Langu at Ban Wang Pa Khian , Satun (X.150)

Lat 06 - 56 - 30 N Long 99 - 52 - 33 E

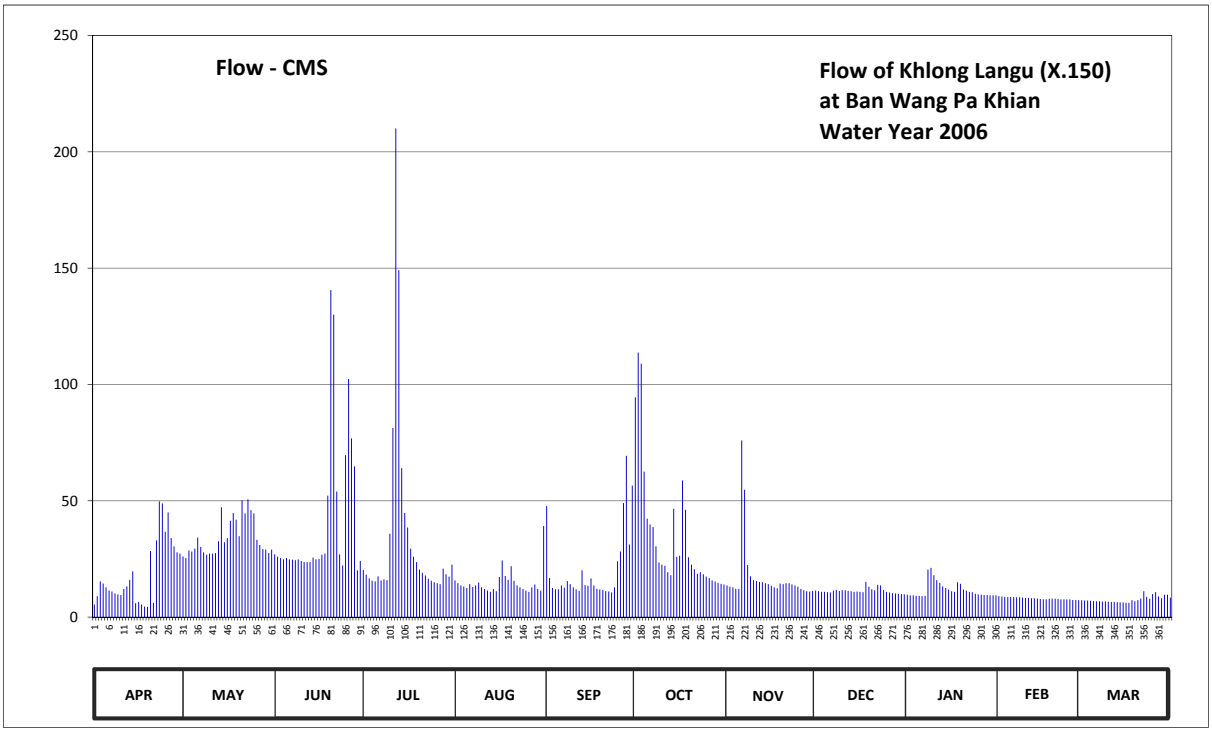
**Location : on right bank at Ban Wang Pa Khian.**

| | |
|---|---|
| | **Ban** Wang Pa Khian **Amphoe** Langu **Changwat** Satun |
| **Drainge Area** | 480 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 5 meters from the top staff gage. **Elevation** +12.997 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 1984 to date |
| **Rating Operation** | |
| **Period of Rating** | 1984 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1984 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 17 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.04 | 6.49 | 6.54 | 6.15 | 5.85 | 7.52 | 9.25 | 5.70 | 5.54 | 5.41 | 5.36 | 5.22 | |
| 2 | 5.36 | 6.45 | 6.48 | 6.02 | 5.77 | 5.92 | 9.89 | 5.66 | 5.52 | 5.39 | 5.35 | 5.21 | |
| 3 | 5.82 | 6.63 | 6.45 | 5.91 | 5.70 | 5.62 | 9.73 | 5.64 | 5.50 | 5.39 | 5.34 | 5.21 | |
| 4 | 5.76 | 6.61 | 6.42 | 5.84 | 5.67 | 5.58 | 8.14 | 5.60 | 5.50 | 5.37 | 5.33 | 5.20 | |
| 5 | 5.64 | 6.67 | 6.45 | 5.82 | 5.62 | 5.58 | 7.28 | 5.59 | 5.49 | 5.37 | 5.33 | 5.19 | |
| 6 | 5.54 | 6.91 | 6.42 | 5.97 | 5.74 | 5.70 | 7.17 | 8.63 | 5.48 | 5.36 | 5.33 | 5.18 | |
| 7 | 5.51 | 6.71 | 6.41 | 5.85 | 5.65 | 5.63 | 7.12 | 7.83 | 5.54 | 5.37 | 5.32 | 5.18 | |
| 8 | 5.45 | 6.59 | 6.40 | 5.88 | 5.70 | 5.83 | 6.72 | 6.28 | 5.56 | 6.16 | 5.32 | 5.17 | |
| 9 | 5.42 | 6.53 | 6.42 | 5.86 | 5.79 | 5.74 | 6.34 | 5.97 | 5.53 | 6.21 | 5.31 | 5.17 | |
| 10 | 5.40 | 6.56 | 6.38 | 6.99 | 5.64 | 5.64 | 6.29 | 5.86 | 5.55 | 6.00 | 5.30 | 5.16 | |
| 11 | 5.59 | 6.56 | 6.35 | 8.81 | 5.59 | 5.58 | 6.26 | 5.83 | 5.55 | 5.86 | 5.30 | 5.15 | |
| 12 | 5.67 | 6.57 | 6.35 | 11.76 | 5.54 | 5.53 | 6.09 | 5.81 | 5.53 | 5.78 | 5.29 | 5.15 | |
| 13 | 5.87 | 6.83 | 6.35 | 10.78 | 5.50 | 6.14 | 6.00 | 5.80 | 5.52 | 5.67 | 5.29 | 5.14 | |
| 14 | 6.11 | 7.50 | 6.46 | 8.20 | 5.59 | 5.71 | 7.47 | 5.77 | 5.50 | 5.62 | 5.28 | 5.13 | |
| 15 | 5.10 | 6.81 | 6.42 | 7.39 | 5.52 | 5.69 | 6.48 | 5.74 | 5.51 | 5.57 | 5.26 | 5.13 | |
| 16 | 5.15 | 6.90 | 6.43 | 7.11 | 5.95 | 5.91 | 6.51 | 5.69 | 5.50 | 5.52 | 5.25 | 5.12 | |
| 17 | 5.04 | 7.24 | 6.53 | 6.67 | 6.39 | 5.70 | 7.99 | 5.64 | 5.49 | 5.50 | 5.25 | 5.11 | |
| 18 | 4.95 | 7.39 | 6.56 | 6.48 | 5.98 | 5.60 | 7.45 | 5.61 | 5.81 | 5.80 | 5.27 | 5.22 | |
| 19 | 4.94 | 7.26 | 7.72 | 6.35 | 5.87 | 5.57 | 6.47 | 5.76 | 5.66 | 5.75 | 5.28 | 5.18 | |
| 20 | 6.62 | 6.94 | 10.59 | 6.16 | 6.25 | 5.56 | 6.29 | 5.74 | 5.58 | 5.57 | 5.27 | 5.22 | |
| 21 | 5.11 | 7.63 | 10.35 | 6.07 | 5.84 | 5.52 | 6.17 | 5.77 | 5.55 | 5.54 | 5.26 | 5.28 | |
| 22 | 6.85 | 7.38 | 7.80 | 5.99 | 5.70 | 5.51 | 6.04 | 5.77 | 5.72 | 5.50 | 5.25 | 5.52 | |
| 23 | 7.61 | 7.65 | 6.54 | 5.90 | 5.64 | 5.48 | 6.09 | 5.73 | 5.70 | 5.49 | 5.25 | 5.34 | |
| 24 | 7.57 | 7.44 | 6.27 | 5.84 | 5.59 | 5.64 | 6.03 | 5.70 | 5.56 | 5.44 | 5.25 | 5.27 | |
| 25 | 7.03 | 7.38 | 8.42 | 5.80 | 5.54 | 6.37 | 5.96 | 5.66 | 5.50 | 5.42 | 5.25 | 5.43 | |
| 26 | 7.40 | 6.86 | 9.51 | 5.77 | 5.50 | 6.61 | 5.92 | 5.59 | 5.48 | 5.41 | 5.23 | 5.49 | |
| 27 | 6.90 | 6.75 | 8.66 | 5.74 | 5.64 | 7.58 | 5.85 | 5.55 | 5.46 | 5.40 | 5.23 | 5.35 | |
| 28 | 6.72 | 6.66 | 8.23 | 6.19 | 5.73 | 8.41 | 5.82 | 5.52 | 5.45 | 5.40 | 5.22 | 5.29 | |
| 29 | 6.59 | 6.65 | 6.14 | 6.03 | 5.59 | 6.76 | 5.78 | 5.51 | 5.44 | 5.39 | | 5.41 | |
| 30 | 6.56 | 6.57 | 6.38 | 5.96 | 5.54 | 7.90 | 5.75 | 5.53 | 5.43 | 5.39 | | 5.41 | |
| 31 | | 6.65 | | 6.29 | 7.14 | | 5.73 | | 5.42 | 5.39 | | 5.31 | |
| Mean | 5.94 | 6.90 | 7.08 | 6.63 | 5.77 | 6.05 | 6.78 | 5.88 | 5.53 | 5.56 | 5.28 | 5.24 | |
| Max | 7.61 | 7.65 | 10.59 | 11.76 | 7.14 | 8.41 | 9.89 | 8.63 | 5.81 | 6.21 | 5.36 | 5.52 | 11.76 |
| Min | 4.94 | 6.45 | 6.14 | 5.74 | 5.50 | 5.48 | 5.73 | 5.51 | 5.42 | 5.36 | 5.22 | 5.11 | 4.94 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 11.81 | m. (MSL.) , | at 09.00 Hours , on Jul 12, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 4.24 | m. (MSL.) |
| Left Bank Elevation | 15.85 | m. (MSL.) , | | | |
| Right Bank Elevation | 15.81 | m. (MSL.) , | Drainage Are | 480 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.40 | 26.08 | 26.95 | 20.25 | 15.75 | 47.70 | 94.50 | 13.60 | 11.39 | 9.64 | 9.00 | 7.25 | | |
| 2 | 9.00 | 25.38 | 25.90 | 18.30 | 14.58 | 16.80 | 113.70 | 13.04 | 11.12 | 9.38 | 8.88 | 7.13 | | |
| 3 | 15.30 | 28.60 | 25.38 | 16.65 | 13.60 | 12.48 | 108.90 | 12.76 | 10.85 | 9.38 | 8.75 | 7.13 | | |
| 4 | 14.44 | 28.20 | 24.85 | 15.60 | 13.18 | 11.93 | 62.50 | 12.20 | 10.85 | 9.13 | 8.63 | 7.00 | | |
| 5 | 12.76 | 29.40 | 25.38 | 15.30 | 12.48 | 11.93 | 42.30 | 12.07 | 10.72 | 9.13 | 8.63 | 6.90 | | |
| 6 | 11.39 | 34.20 | 24.85 | 17.55 | 14.16 | 13.60 | 39.83 | 75.90 | 10.58 | 9.00 | 8.63 | 6.80 | | |
| 7 | 10.99 | 30.20 | 24.68 | 15.75 | 12.90 | 12.62 | 38.70 | 54.75 | 11.39 | 9.13 | 8.50 | 6.80 | | |
| 8 | 10.18 | 27.83 | 24.50 | 16.20 | 13.60 | 15.45 | 30.40 | 22.40 | 11.66 | 20.40 | 8.50 | 6.70 | | |
| 9 | 9.77 | 26.78 | 24.85 | 15.90 | 14.86 | 14.16 | 23.45 | 17.55 | 11.26 | 21.18 | 8.38 | 6.70 | | |
| 10 | 9.50 | 27.30 | 24.15 | 35.80 | 12.76 | 12.76 | 22.58 | 15.90 | 11.53 | 18.00 | 8.25 | 6.60 | | |
| 11 | 12.07 | 27.30 | 23.63 | 81.30 | 12.07 | 11.93 | 22.05 | 15.45 | 11.53 | 15.90 | 8.25 | 6.50 | | |
| 12 | 13.18 | 27.48 | 23.63 | 210.00 | 11.39 | 11.26 | 19.35 | 15.15 | 11.26 | 14.72 | 8.13 | 6.50 | | |
| 13 | 16.05 | 32.60 | 23.63 | 149.10 | 10.85 | 20.10 | 18.00 | 15.00 | 11.12 | 13.18 | 8.13 | 6.40 | | |
| 14 | 19.65 | 47.25 | 25.55 | 64.00 | 12.07 | 13.74 | 46.58 | 14.58 | 10.85 | 12.48 | 8.00 | 6.30 | | |
| 15 | 6.00 | 32.20 | 24.85 | 44.78 | 11.12 | 13.46 | 25.90 | 14.16 | 10.99 | 11.80 | 7.75 | 6.30 | | |
| 16 | 6.50 | 34.00 | 25.03 | 38.48 | 17.25 | 16.65 | 26.43 | 13.46 | 10.85 | 11.12 | 7.63 | 6.20 | | |
| 17 | 5.40 | 41.40 | 26.78 | 29.40 | 24.33 | 13.60 | 58.75 | 12.76 | 10.72 | 10.85 | 7.63 | 6.10 | | |
| 18 | 4.50 | 44.78 | 27.30 | 25.90 | 17.70 | 12.20 | 46.13 | 12.34 | 15.15 | 15.00 | 7.88 | 7.25 | | |
| 19 | 4.40 | 41.85 | 52.20 | 23.63 | 16.05 | 11.80 | 25.73 | 14.44 | 13.04 | 14.30 | 8.00 | 6.80 | | |
| 20 | 28.40 | 34.80 | 140.55 | 20.40 | 21.88 | 11.66 | 22.58 | 14.16 | 11.93 | 11.80 | 7.88 | 7.25 | | |
| 21 | 6.10 | 50.18 | 130.00 | 19.05 | 15.60 | 11.12 | 20.55 | 14.58 | 11.53 | 11.39 | 7.75 | 8.00 | | |
| 22 | 33.00 | 44.55 | 54.00 | 17.85 | 13.60 | 10.99 | 18.60 | 14.58 | 13.88 | 10.85 | 7.63 | 11.12 | | |
| 23 | 49.73 | 50.63 | 26.95 | 16.50 | 12.76 | 10.58 | 19.35 | 14.02 | 13.60 | 10.72 | 7.63 | 8.75 | | |
| 24 | 48.83 | 45.90 | 22.23 | 15.60 | 12.07 | 12.76 | 18.45 | 13.60 | 11.66 | 10.04 | 7.63 | 7.88 | | |
| 25 | 36.68 | 44.55 | 69.60 | 15.00 | 11.39 | 23.98 | 17.40 | 13.04 | 10.85 | 9.77 | 7.63 | 9.91 | | |
| 26 | 45.00 | 33.20 | 102.30 | 14.58 | 10.85 | 28.20 | 16.80 | 12.07 | 10.58 | 9.64 | 7.38 | 10.72 | | |
| 27 | 34.00 | 31.00 | 76.80 | 14.16 | 12.76 | 49.05 | 15.75 | 11.53 | 10.31 | 9.50 | 7.38 | 8.88 | | |
| 28 | 30.40 | 29.20 | 64.75 | 20.85 | 14.02 | 69.30 | 15.30 | 11.12 | 10.18 | 9.50 | 7.25 | 8.13 | | |
| 29 | 27.83 | 29.00 | 20.10 | 18.45 | 12.07 | 31.20 | 14.72 | 10.99 | 10.04 | 9.38 | | 9.64 | | |
| 30 | 27.30 | 27.48 | 24.15 | 17.40 | 11.39 | 56.50 | 14.30 | 11.26 | 9.91 | 9.38 | | 9.64 | | |
| 31 | | 29.00 | | 22.58 | 39.15 | | 14.02 | | 9.77 | 9.38 | | 8.38 | | |
| Total | 563.75 | 1062.32 | 1235.52 | 1066.31 | 458.24 | 609.51 | 1073.60 | 518.46 | 351.10 | 365.07 | 225.71 | 235.66 | 7765.25 | CMSDAY |
| Mean | 18.79 | 34.27 | 41.18 | 34.40 | 14.78 | 20.32 | 34.63 | 17.28 | 11.33 | 11.78 | 8.06 | 7.60 | 21.27 | CMS |
| Max | 49.73 | 50.63 | 140.55 | 210.00 | 39.15 | 69.30 | 113.70 | 75.90 | 15.15 | 21.18 | 9.00 | 11.12 | 210.00 | CMS |
| Min | 4.40 | 25.38 | 20.10 | 14.16 | 10.85 | 10.58 | 14.02 | 10.99 | 9.77 | 9.00 | 7.25 | 6.10 | 4.40 | CMS |
| Runoff | 48.71 | 91.78 | 106.75 | 92.13 | 39.59 | 52.66 | 92.76 | 44.79 | 30.34 | 31.54 | 19.50 | 20.36 | 670.92 | MCM |

Momentary Peak 213.80 CMS. at 11.81 m. (MSL.) at 09.00 Hours , on Jul 12, 2006

Runoff Yield 44.30 Liters/Second/Square KM. Momentary Peak Yield 445.18 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Ta Kuaw Pa at Ban Talat Kao , Phangnga (X.186)

Lat 08 - 49 - 47 N Long 98 - 22 - 17 E

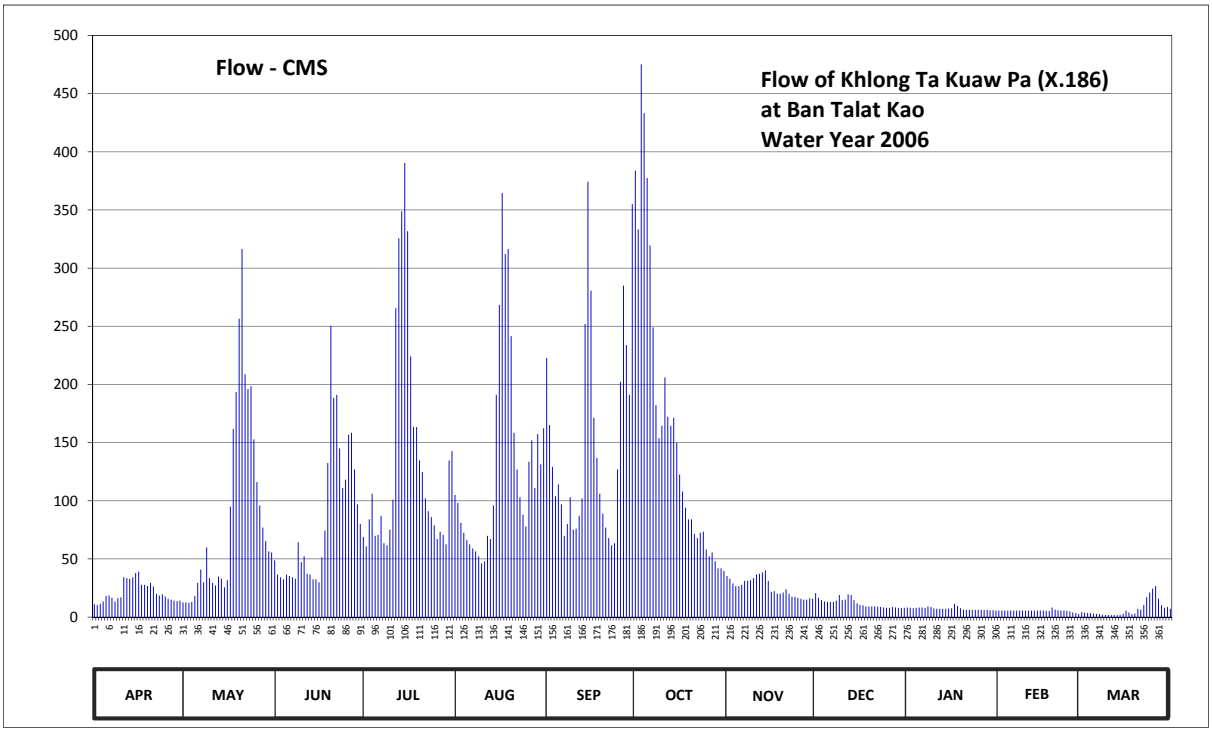
**Location : on left bank at Ban Talat Kao.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** | Talat Kao | **Amphoe** Ta Kuaw Pa | **Changwat** | Phangnga |
| **Drainge Area** | 734 | sq.km. | | | |
| **Type of Gage** | Water - stage recorder. | | | | |
| **Zero Gage at Bottom** | +0.000 | m. (MSL.) | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On left bank about 10 meters from the top staff gage. | | | **Elevation** | +4.980 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 1996 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2003 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2003 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable because of backwater effect. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 18 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.20 | 0.24 | 0.88 | 1.11 | 1.48 | 2.72 | 3.78 | 0.69 | 0.43 | 0.11 | 0.02 | -0.04 | |
| 2 | 0.18 | 0.24 | 0.71 | 1.02 | 1.41 | 2.20 | 3.46 | 0.65 | 0.34 | 0.10 | 0.02 | -0.06 | |
| 3 | 0.21 | 0.23 | 0.67 | 1.27 | 1.24 | 1.71 | 4.33 | 0.58 | 0.29 | 0.09 | 0.02 | -0.07 | |
| 4 | 0.26 | 0.25 | 0.64 | 1.49 | 1.15 | 1.47 | 4.08 | 0.54 | 0.26 | 0.10 | 0.02 | -0.08 | |
| 5 | 0.38 | 0.38 | 0.71 | 1.12 | 1.08 | 1.57 | 3.74 | 0.54 | 0.25 | 0.11 | 0.02 | -0.10 | |
| 6 | 0.39 | 0.59 | 0.69 | 1.13 | 1.04 | 1.40 | 3.37 | 0.56 | 0.25 | 0.11 | 0.02 | -0.11 | |
| 7 | 0.34 | 0.78 | 0.67 | 1.30 | 1.00 | 1.12 | 2.90 | 0.62 | 0.25 | 0.10 | 0.02 | -0.13 | |
| 8 | 0.26 | 0.60 | 0.65 | 1.05 | 0.97 | 1.23 | 2.41 | 0.62 | 0.28 | 0.14 | 0.02 | -0.15 | |
| 9 | 0.33 | 1.01 | 1.06 | 1.03 | 0.92 | 1.46 | 1.99 | 0.63 | 0.40 | 0.12 | 0.02 | -0.16 | |
| 10 | 0.35 | 0.66 | 0.86 | 1.18 | 0.85 | 1.18 | 2.19 | 0.66 | 0.29 | 0.08 | 0.02 | -0.16 | |
| 11 | 0.67 | 0.59 | 0.92 | 1.44 | 0.87 | 1.19 | 2.60 | 0.71 | 0.30 | 0.07 | 0.02 | -0.16 | |
| 12 | 0.66 | 0.55 | 0.72 | 3.01 | 1.12 | 1.30 | 2.29 | 0.72 | 0.41 | 0.07 | 0.02 | -0.16 | |
| 13 | 0.65 | 0.68 | 0.71 | 3.41 | 1.09 | 1.45 | 2.19 | 0.74 | 0.40 | 0.07 | 0.02 | -0.17 | |
| 14 | 0.67 | 0.65 | 0.64 | 3.56 | 1.39 | 2.92 | 2.28 | 0.77 | 0.29 | 0.07 | 0.02 | -0.15 | |
| 15 | 0.73 | 0.52 | 0.64 | 3.82 | 2.48 | 3.72 | 1.89 | 0.62 | 0.22 | 0.08 | 0.02 | -0.11 | |
| 16 | 0.75 | 0.63 | 0.60 | 3.45 | 3.03 | 3.11 | 1.65 | 0.45 | 0.18 | 0.09 | 0.02 | 0.02 | |
| 17 | 0.56 | 1.38 | 0.91 | 2.73 | 3.66 | 2.28 | 1.51 | 0.46 | 0.17 | 0.21 | 0.01 | -0.05 | |
| 18 | 0.56 | 2.14 | 1.17 | 2.17 | 3.32 | 1.78 | 1.37 | 0.42 | 0.14 | 0.16 | 0.01 | -0.12 | |
| 19 | 0.54 | 2.50 | 1.74 | 2.17 | 3.35 | 1.49 | 1.27 | 0.42 | 0.14 | 0.09 | 0.11 | -0.10 | |
| 20 | 0.59 | 2.95 | 2.91 | 1.76 | 2.85 | 1.32 | 1.27 | 0.44 | 0.14 | 0.05 | 0.05 | 0.07 | |
| 21 | 0.53 | 3.35 | 2.46 | 1.67 | 2.08 | 1.20 | 1.14 | 0.49 | 0.14 | 0.04 | 0.03 | 0.05 | |
| 22 | 0.42 | 2.62 | 2.48 | 1.45 | 1.69 | 1.10 | 1.10 | 0.42 | 0.13 | 0.04 | 0.02 | 0.18 | |
| 23 | 0.39 | 2.52 | 1.85 | 1.34 | 1.46 | 1.03 | 1.15 | 0.36 | 0.12 | 0.04 | 0.02 | 0.35 | |
| 24 | 0.41 | 2.54 | 1.54 | 1.29 | 1.31 | 1.05 | 1.16 | 0.36 | 0.11 | 0.04 | 0.01 | 0.44 | |
| 25 | 0.37 | 1.96 | 1.61 | 1.22 | 1.21 | 1.69 | 0.99 | 0.34 | 0.10 | 0.04 | 0.00 | 0.50 | |
| 26 | 0.32 | 1.59 | 2.05 | 1.09 | 1.75 | 2.57 | 0.92 | 0.32 | 0.10 | 0.04 | -0.05 | 0.54 | |
| 27 | 0.30 | 1.39 | 2.08 | 1.16 | 1.93 | 3.14 | 0.96 | 0.30 | 0.12 | 0.04 | -0.08 | 0.32 | |
| 28 | 0.28 | 1.20 | 1.69 | 1.13 | 1.54 | 2.80 | 0.87 | 0.30 | 0.11 | 0.04 | -0.12 | 0.17 | |
| 29 | 0.27 | 1.07 | 1.40 | 1.04 | 2.06 | 2.48 | 0.80 | 0.33 | 0.10 | 0.03 | | 0.10 | |
| 30 | 0.28 | 0.97 | 1.23 | 1.76 | 1.73 | 3.60 | 0.80 | 0.32 | 0.09 | 0.03 | | 0.12 | |
| 31 | | 0.96 | | 1.83 | 2.15 | | 0.76 | | 0.10 | 0.02 | | 0.07 | |
| Mean | 0.43 | 1.22 | 1.23 | 1.75 | 1.72 | 1.91 | 1.97 | 0.51 | 0.21 | 0.08 | 0.01 | 0.03 | |
| Max | 0.75 | 3.35 | 2.91 | 3.82 | 3.66 | 3.72 | 4.33 | 0.77 | 0.43 | 0.21 | 0.11 | 0.54 | 4.33 |
| Min | 0.18 | 0.23 | 0.60 | 1.02 | 0.85 | 1.03 | 0.76 | 0.30 | 0.09 | 0.02 | -0.12 | -0.17 | -0.17 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 4.45 | m. (MSL.) , | at 12.00 Hours , on Oct 3, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | -1.03 | m. (MSL.) |
| Left Bank Elevation | 5.39 | m. (MSL.) , | | | |
| Right Bank Elevation | 5.61 | m. (MSL.) , | Drainage Are | 734 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.00 | 12.60 | 48.80 | 68.90 | 105.00 | 222.80 | 383.80 | 35.40 | 20.65 | 8.30 | 5.60 | 4.20 | | |
| 2 | 10.40 | 12.60 | 36.60 | 60.80 | 98.00 | 165.00 | 333.30 | 33.00 | 16.60 | 8.00 | 5.60 | 3.80 | | |
| 3 | 11.40 | 12.20 | 34.20 | 84.00 | 81.00 | 129.10 | 475.10 | 28.90 | 14.60 | 7.70 | 5.60 | 3.60 | | |
| 4 | 13.40 | 13.00 | 32.40 | 106.00 | 72.50 | 104.00 | 433.20 | 26.70 | 13.40 | 8.00 | 5.60 | 3.40 | | |
| 5 | 18.20 | 18.20 | 36.60 | 69.80 | 66.20 | 114.00 | 377.40 | 26.70 | 13.00 | 8.30 | 5.60 | 3.00 | | |
| 6 | 18.60 | 29.45 | 35.40 | 70.70 | 62.60 | 97.00 | 319.50 | 27.80 | 13.00 | 8.30 | 5.60 | 2.80 | | |
| 7 | 16.60 | 40.80 | 34.20 | 87.00 | 59.00 | 69.80 | 249.00 | 31.20 | 13.00 | 8.00 | 5.60 | 2.40 | | |
| 8 | 13.40 | 30.00 | 33.00 | 63.50 | 56.45 | 80.00 | 182.25 | 31.20 | 14.20 | 9.20 | 5.60 | 2.00 | | |
| 9 | 16.20 | 59.90 | 64.40 | 61.70 | 52.20 | 103.00 | 153.70 | 31.80 | 19.00 | 8.60 | 5.60 | 1.80 | | |
| 10 | 17.00 | 33.60 | 47.10 | 75.20 | 46.25 | 75.20 | 164.45 | 33.60 | 14.60 | 7.40 | 5.60 | 1.80 | | |
| 11 | 34.20 | 29.45 | 52.20 | 101.00 | 47.95 | 76.10 | 206.00 | 36.60 | 15.00 | 7.10 | 5.60 | 1.80 | | |
| 12 | 33.60 | 27.25 | 37.20 | 265.50 | 69.80 | 87.00 | 172.20 | 37.20 | 19.55 | 7.10 | 5.60 | 1.80 | | |
| 13 | 33.00 | 34.80 | 36.60 | 325.55 | 67.10 | 102.00 | 164.45 | 38.40 | 19.00 | 7.10 | 5.60 | 1.60 | | |
| 14 | 34.20 | 33.00 | 32.40 | 348.80 | 96.00 | 252.00 | 171.40 | 40.20 | 14.60 | 7.10 | 5.60 | 2.00 | | |
| 15 | 37.80 | 25.60 | 32.40 | 390.30 | 191.00 | 374.20 | 149.80 | 31.20 | 11.80 | 7.40 | 5.60 | 2.80 | | |
| 16 | 39.00 | 31.80 | 30.00 | 331.75 | 268.50 | 280.50 | 122.50 | 21.75 | 10.40 | 7.70 | 5.60 | 5.60 | | |
| 17 | 27.80 | 95.00 | 51.35 | 224.20 | 364.60 | 171.40 | 108.00 | 22.30 | 10.10 | 11.40 | 5.30 | 4.00 | | |
| 18 | 27.80 | 161.70 | 74.30 | 163.35 | 312.00 | 136.80 | 94.00 | 20.10 | 9.20 | 9.80 | 5.30 | 2.60 | | |
| 19 | 26.70 | 193.50 | 132.40 | 163.35 | 316.50 | 106.00 | 84.00 | 20.10 | 9.20 | 7.70 | 8.30 | 3.00 | | |
| 20 | 29.45 | 256.50 | 250.50 | 134.60 | 241.50 | 89.00 | 84.00 | 21.20 | 9.20 | 6.50 | 6.50 | 7.10 | | |
| 21 | 26.15 | 316.50 | 188.50 | 124.70 | 158.40 | 77.00 | 71.60 | 23.95 | 9.20 | 6.20 | 5.90 | 6.50 | | |
| 22 | 20.10 | 208.80 | 191.00 | 102.00 | 126.90 | 68.00 | 68.00 | 20.10 | 8.90 | 6.20 | 5.60 | 10.40 | | |
| 23 | 18.60 | 196.00 | 145.00 | 91.00 | 103.00 | 61.70 | 72.50 | 17.40 | 8.60 | 6.20 | 5.60 | 17.00 | | |
| 24 | 19.55 | 198.50 | 111.00 | 86.00 | 88.00 | 63.50 | 73.40 | 17.40 | 8.30 | 6.20 | 5.30 | 21.20 | | |
| 25 | 17.80 | 152.80 | 118.10 | 79.00 | 78.00 | 126.90 | 58.15 | 16.60 | 8.00 | 6.20 | 5.00 | 24.50 | | |
| 26 | 15.80 | 116.00 | 156.75 | 67.10 | 133.50 | 202.25 | 52.20 | 15.80 | 8.00 | 6.20 | 4.00 | 26.70 | | |
| 27 | 15.00 | 96.00 | 158.40 | 73.40 | 151.90 | 285.00 | 55.60 | 15.00 | 8.60 | 6.20 | 3.40 | 15.80 | | |
| 28 | 14.20 | 77.00 | 126.90 | 70.70 | 111.00 | 234.00 | 47.95 | 15.00 | 8.30 | 6.20 | 2.60 | 10.10 | | |
| 29 | 13.80 | 65.30 | 97.00 | 62.60 | 157.30 | 191.00 | 42.00 | 16.20 | 8.00 | 5.90 | | 8.00 | | |
| 30 | 14.20 | 56.45 | 80.00 | 134.60 | 131.30 | 355.00 | 42.00 | 15.80 | 7.70 | 5.90 | | 8.60 | | |
| 31 | | 55.60 | | 142.60 | 162.25 | | 39.60 | | 8.00 | 5.60 | | 7.10 | | |
| Total | 644.95 | 2689.90 | 2504.70 | 4229.70 | 4075.70 | 4499.25 | 5051.05 | 768.60 | 371.70 | 227.70 | 152.40 | 217.00 | 25432.65 | CMSDAY |
| Mean | 21.50 | 86.77 | 83.49 | 136.44 | 131.47 | 149.97 | 162.94 | 25.62 | 11.99 | 7.35 | 5.44 | 7.00 | 69.68 | CMS |
| Max | 39.00 | 316.50 | 250.50 | 390.30 | 364.60 | 374.20 | 475.10 | 40.20 | 20.65 | 11.40 | 8.30 | 26.70 | 475.10 | CMS |
| Min | 10.40 | 12.20 | 30.00 | 60.80 | 46.25 | 61.70 | 39.60 | 15.00 | 7.70 | 5.60 | 2.60 | 1.60 | 1.60 | CMS |
| Runoff | 55.72 | 232.41 | 216.41 | 365.45 | 352.14 | 388.74 | 436.41 | 66.41 | 32.11 | 19.67 | 13.17 | 18.75 | 2197.38 | MCM |

Momentary Peak 495.50 CMS. at 4.45 m. (MSL.) at 12.00 Hours , on Oct 3, 2006

Runoff Yield 94.97 Liters/Second/Square KM. Momentary Peak Yield 675.36 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Ta Kuaw Pa at Ban Hin Dan , Phangnga (X.187)

Lat 08 - 46 - 25 N Long 98 - 23 - 36 E

**Location : on left bank at the bridge on Surat Thanu - Phang Nga Highway.**

**Ban** Hin Dan **Amphoe** Ta Kuaw Pa **Changwat** Phangnga

| | |
|---|---|
| **Drainge Area** | 546 sq.km. |
| **Type of Gage** | Staff gage. |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On left bank about 4 meters from the top staff gage. **Elevation** +9.230 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1996 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Rather unstable by some scouring. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 28 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

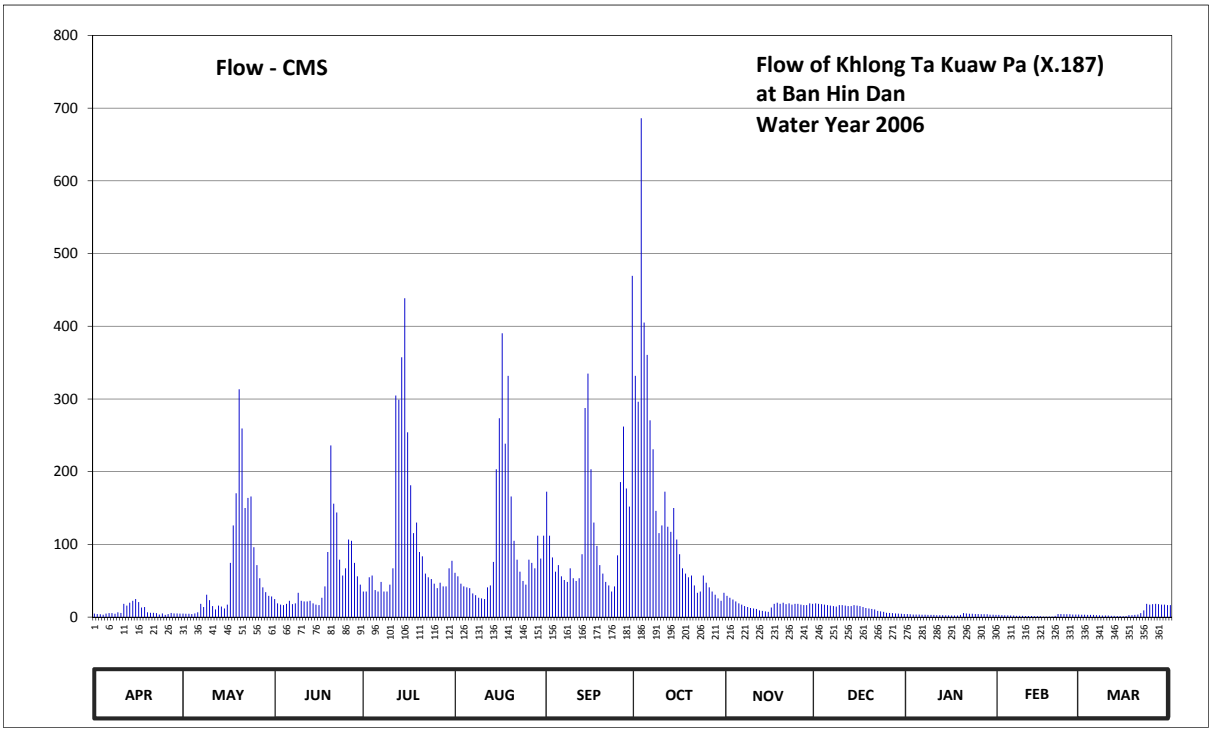
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.96 | 5.96 | 6.27 | 6.39 | 6.60 | 7.23 | 7.84 | 6.32 | 6.20 | 5.94 | 5.90 | 5.91 | |
| 2 | 5.94 | 5.95 | 6.20 | 6.39 | 6.56 | 6.92 | 7.72 | 6.29 | 6.19 | 5.93 | 5.89 | 5.91 | |
| 3 | 5.93 | 5.95 | 6.17 | 6.55 | 6.48 | 6.74 | 8.68 | 6.26 | 6.18 | 5.92 | 5.88 | 5.90 | |
| 4 | 5.91 | 5.94 | 6.16 | 6.57 | 6.45 | 6.61 | 8.06 | 6.23 | 6.17 | 5.92 | 5.88 | 5.90 | |
| 5 | 5.96 | 5.97 | 6.19 | 6.41 | 6.44 | 6.67 | 7.93 | 6.20 | 6.16 | 5.92 | 5.87 | 5.90 | |
| 6 | 5.98 | 6.01 | 6.24 | 6.39 | 6.43 | 6.56 | 7.63 | 6.17 | 6.15 | 5.91 | 5.87 | 5.89 | |
| 7 | 5.98 | 6.19 | 6.18 | 6.50 | 6.36 | 6.52 | 7.48 | 6.14 | 6.14 | 5.91 | 5.86 | 5.88 | |
| 8 | 5.95 | 6.12 | 6.20 | 6.39 | 6.33 | 6.50 | 7.10 | 6.12 | 6.13 | 5.90 | 5.86 | 5.87 | |
| 9 | 6.01 | 6.34 | 6.37 | 6.39 | 6.29 | 6.64 | 6.94 | 6.10 | 6.16 | 5.90 | 5.86 | 5.87 | |
| 10 | 5.99 | 6.25 | 6.24 | 6.47 | 6.28 | 6.54 | 7.00 | 6.09 | 6.16 | 5.90 | 5.85 | 5.87 | |
| 11 | 6.19 | 6.14 | 6.23 | 6.64 | 6.27 | 6.51 | 7.23 | 6.08 | 6.15 | 5.89 | 5.85 | 5.86 | |
| 12 | 6.15 | 6.07 | 6.23 | 7.75 | 6.44 | 6.54 | 6.99 | 6.05 | 6.14 | 5.89 | 5.85 | 5.86 | |
| 13 | 6.21 | 6.15 | 6.24 | 7.73 | 6.46 | 6.77 | 6.95 | 6.04 | 6.14 | 5.89 | 5.84 | 5.85 | |
| 14 | 6.24 | 6.13 | 6.20 | 7.92 | 6.70 | 7.69 | 7.12 | 6.03 | 6.16 | 5.88 | 5.84 | 5.85 | |
| 15 | 6.27 | 6.09 | 6.17 | 8.15 | 7.37 | 7.85 | 6.89 | 6.02 | 6.15 | 5.88 | 5.84 | 5.84 | |
| 16 | 6.22 | 6.17 | 6.16 | 7.57 | 7.64 | 7.37 | 6.77 | 6.11 | 6.14 | 5.87 | 5.83 | 5.85 | |
| 17 | 6.11 | 6.69 | 6.29 | 7.27 | 8.02 | 7.02 | 6.64 | 6.19 | 6.12 | 5.87 | 5.83 | 5.89 | |
| 18 | 6.12 | 7.00 | 6.45 | 6.94 | 7.51 | 6.84 | 6.59 | 6.21 | 6.10 | 5.87 | 5.83 | 5.89 | |
| 19 | 6.01 | 7.22 | 6.79 | 7.02 | 7.84 | 6.67 | 6.55 | 6.19 | 6.09 | 5.90 | 5.83 | 5.90 | |
| 20 | 6.00 | 7.78 | 7.50 | 6.79 | 7.20 | 6.59 | 6.57 | 6.21 | 6.08 | 5.98 | 5.86 | 5.92 | |
| 21 | 6.00 | 7.59 | 7.15 | 6.75 | 6.88 | 6.50 | 6.46 | 6.18 | 6.07 | 5.97 | 5.94 | 5.98 | |
| 22 | 5.98 | 7.12 | 7.09 | 6.59 | 6.72 | 6.46 | 6.37 | 6.20 | 6.04 | 5.95 | 5.94 | 6.05 | |
| 23 | 5.92 | 7.19 | 6.72 | 6.55 | 6.61 | 6.39 | 6.39 | 6.17 | 6.03 | 5.95 | 5.93 | 6.19 | |
| 24 | 5.97 | 7.20 | 6.57 | 6.53 | 6.51 | 6.45 | 6.57 | 6.19 | 6.02 | 5.94 | 5.93 | 6.17 | |
| 25 | 5.90 | 6.83 | 6.64 | 6.48 | 6.47 | 6.76 | 6.49 | 6.19 | 6.00 | 5.94 | 5.93 | 6.18 | |
| 26 | 5.94 | 6.67 | 6.89 | 6.43 | 6.72 | 7.29 | 6.44 | 6.17 | 5.99 | 5.93 | 5.92 | 6.19 | |
| 27 | 5.99 | 6.54 | 6.88 | 6.49 | 6.69 | 7.60 | 6.39 | 6.16 | 5.98 | 5.93 | 5.92 | 6.18 | |
| 28 | 5.97 | 6.44 | 6.69 | 6.45 | 6.64 | 7.25 | 6.34 | 6.16 | 5.97 | 5.93 | 5.92 | 6.17 | |
| 29 | 5.97 | 6.38 | 6.56 | 6.45 | 6.92 | 7.13 | 6.28 | 6.20 | 5.96 | 5.91 | | 6.17 | |
| 30 | 5.96 | 6.32 | 6.47 | 6.64 | 6.73 | 8.23 | 6.24 | 6.19 | 5.95 | 5.91 | | 6.16 | |
| 31 | | 6.31 | | 6.71 | 6.92 | | 6.37 | | 5.94 | 5.90 | | 6.16 | |
| Mean | 6.02 | 6.47 | 6.47 | 6.78 | 6.76 | 6.89 | 6.94 | 6.16 | 6.09 | 5.91 | 5.88 | 5.97 | |
| Max | 6.27 | 7.78 | 7.50 | 8.15 | 8.02 | 8.23 | 8.68 | 6.32 | 6.20 | 5.98 | 5.94 | 6.19 | 8.68 |
| Min | 5.90 | 5.94 | 6.16 | 6.39 | 6.27 | 6.39 | 6.24 | 6.02 | 5.94 | 5.87 | 5.83 | 5.84 | 5.83 |

Annual Max Momentary Gage Height 8.78 m. (MSL.) , at 06.00 Hours , on Oct 3, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 3.05 m. (MSL.)

Left Bank Elevation 11.61 m. (MSL.) ,

Right Bank Elevation 11.66 m. (MSL.) , Drainage Are 546 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.80 | 4.80 | 24.95 | 35.15 | 61.00 | 172.60 | 331.80 | 29.20 | 19.00 | 4.20 | 3.00 | 3.30 | | |
| 2 | 4.20 | 4.50 | 19.00 | 35.15 | 56.00 | 112.00 | 296.20 | 26.65 | 18.35 | 3.90 | 2.70 | 3.30 | | |
| 3 | 3.90 | 4.50 | 17.05 | 54.75 | 46.00 | 82.00 | 686.20 | 24.10 | 17.70 | 3.60 | 2.40 | 3.00 | | |
| 4 | 3.30 | 4.20 | 16.40 | 57.25 | 42.25 | 62.50 | 405.20 | 21.55 | 17.05 | 3.60 | 2.40 | 3.00 | | |
| 5 | 4.80 | 5.10 | 18.35 | 37.25 | 41.00 | 71.50 | 360.60 | 19.00 | 16.40 | 3.60 | 2.10 | 3.00 | | |
| 6 | 5.40 | 6.65 | 22.40 | 35.15 | 39.75 | 56.00 | 270.55 | 17.05 | 15.75 | 3.30 | 2.10 | 2.70 | | |
| 7 | 5.40 | 18.35 | 17.70 | 48.50 | 32.60 | 51.00 | 230.80 | 15.10 | 15.10 | 3.30 | 1.80 | 2.40 | | |
| 8 | 4.50 | 13.80 | 19.00 | 35.15 | 30.05 | 48.50 | 146.00 | 13.80 | 14.45 | 3.00 | 1.80 | 2.10 | | |
| 9 | 6.65 | 30.90 | 33.45 | 35.15 | 26.65 | 67.00 | 115.50 | 12.50 | 16.40 | 3.00 | 1.80 | 2.10 | | |
| 10 | 5.70 | 23.25 | 22.40 | 44.75 | 25.80 | 53.50 | 126.00 | 11.85 | 16.40 | 3.00 | 1.50 | 2.10 | | |
| 11 | 18.35 | 15.10 | 21.55 | 67.00 | 24.95 | 49.75 | 172.60 | 11.20 | 15.75 | 2.70 | 1.50 | 1.80 | | |
| 12 | 15.75 | 10.55 | 21.55 | 304.75 | 41.00 | 53.50 | 124.25 | 9.25 | 15.10 | 2.70 | 1.50 | 1.80 | | |
| 13 | 19.85 | 15.75 | 22.40 | 299.05 | 43.50 | 86.50 | 117.25 | 8.60 | 15.10 | 2.70 | 1.20 | 1.50 | | |
| 14 | 22.40 | 14.45 | 19.00 | 357.40 | 76.00 | 287.65 | 150.00 | 7.95 | 16.40 | 2.40 | 1.20 | 1.50 | | |
| 15 | 24.95 | 11.85 | 17.05 | 438.50 | 203.40 | 335.00 | 106.75 | 7.30 | 15.75 | 2.40 | 1.20 | 1.20 | | |
| 16 | 20.70 | 17.05 | 16.40 | 254.20 | 273.40 | 203.40 | 86.50 | 13.15 | 15.10 | 2.10 | 0.90 | 1.50 | | |
| 17 | 13.15 | 74.50 | 26.65 | 181.40 | 390.40 | 130.00 | 67.00 | 18.35 | 13.80 | 2.10 | 0.90 | 2.70 | | |
| 18 | 13.80 | 126.00 | 42.25 | 115.50 | 238.60 | 98.00 | 59.75 | 19.85 | 12.50 | 2.10 | 0.90 | 2.70 | | |
| 19 | 6.65 | 170.40 | 89.50 | 130.00 | 331.80 | 71.50 | 54.75 | 18.35 | 11.85 | 3.00 | 0.90 | 3.00 | | |
| 20 | 6.00 | 313.30 | 236.00 | 89.50 | 166.00 | 59.75 | 57.25 | 19.85 | 11.20 | 5.40 | 1.80 | 3.60 | | |
| 21 | 6.00 | 259.40 | 156.00 | 83.50 | 105.00 | 48.50 | 43.50 | 17.70 | 10.55 | 5.10 | 4.20 | 5.40 | | |
| 22 | 5.40 | 150.00 | 144.00 | 59.75 | 79.00 | 43.50 | 33.45 | 19.00 | 8.60 | 4.50 | 4.20 | 9.25 | | |
| 23 | 3.60 | 164.00 | 79.00 | 54.75 | 62.50 | 35.15 | 35.15 | 17.05 | 7.95 | 4.50 | 3.90 | 18.35 | | |
| 24 | 5.10 | 166.00 | 57.25 | 52.25 | 49.75 | 42.25 | 57.25 | 18.35 | 7.30 | 4.20 | 3.90 | 17.05 | | |
| 25 | 3.00 | 96.25 | 67.00 | 46.00 | 44.75 | 85.00 | 47.25 | 18.35 | 6.00 | 4.20 | 3.90 | 17.70 | | |
| 26 | 4.20 | 71.50 | 106.75 | 39.75 | 79.00 | 185.80 | 41.00 | 17.05 | 5.70 | 3.90 | 3.60 | 18.35 | | |
| 27 | 5.70 | 53.50 | 105.00 | 47.25 | 74.50 | 262.00 | 35.15 | 16.40 | 5.40 | 3.90 | 3.60 | 17.70 | | |
| 28 | 5.10 | 41.00 | 74.50 | 42.25 | 67.00 | 177.00 | 30.90 | 16.40 | 5.10 | 3.90 | 3.60 | 17.05 | | |
| 29 | 5.10 | 34.30 | 56.00 | 42.25 | 112.00 | 152.00 | 25.80 | 19.00 | 4.80 | 3.30 | | 17.05 | | |
| 30 | 4.80 | 29.20 | 44.75 | 67.00 | 80.50 | 469.45 | 22.40 | 18.35 | 4.50 | 3.30 | | 16.40 | | |
| 31 | | 28.35 | | 77.50 | 112.00 | | 33.45 | | 4.20 | 3.00 | | 16.40 | | |
| Total | 258.25 | 1978.50 | 1613.30 | 3267.80 | 3056.15 | 3652.30 | 4370.25 | 502.30 | 379.25 | 105.90 | 64.50 | 219.00 | 19467.50 | CMSDAY |
| Mean | 8.61 | 63.82 | 53.78 | 105.41 | 98.59 | 121.74 | 140.98 | 16.74 | 12.23 | 3.42 | 2.30 | 7.06 | 53.34 | CMS |
| Max | 24.95 | 313.30 | 236.00 | 438.50 | 390.40 | 469.45 | 686.20 | 29.20 | 19.00 | 5.40 | 4.20 | 18.35 | 686.20 | CMS |
| Min | 3.00 | 4.20 | 16.40 | 35.15 | 24.95 | 35.15 | 22.40 | 7.30 | 4.20 | 2.10 | 0.90 | 1.20 | 0.90 | CMS |
| Runoff | 22.31 | 170.94 | 139.39 | 282.34 | 264.05 | 315.56 | 377.59 | 43.40 | 32.77 | 9.15 | 5.57 | 18.92 | 1681.99 | MCM |

Momentary Peak 745.20 CMS. at 8.78 m. (MSL.) at 06.00 Hours , on Oct 3, 2006

Runoff Yield 97.73 Liters/Second/Square KM. Momentary Peak Yield 1365.54 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Thalang at Ban Don, Phuket (X.189)

Lat 08 - 00 - 56 N Long 98 - 19 - 05 E

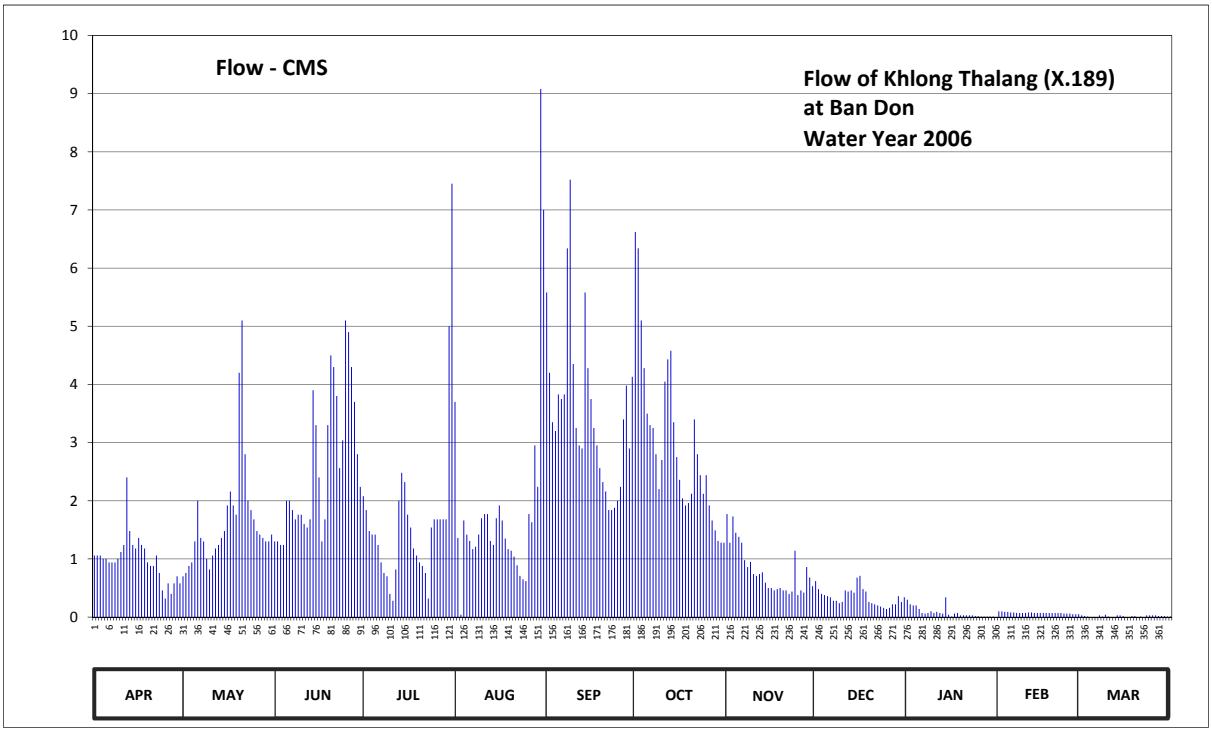
**Location : on right bank at the bridge about 3 kilometers from Thalang crossroad.**

| | |
|---|---|
| | **Ban** Don **Amphoe** Thalang **Changwat** Phuket |
| **Drainge Area** | 45 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | On right bank about 4.00 meters from the top staff gage. **Elevation** +3.000 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings |
| **Period of Available Gage Records** | 1996 to date |
| **Rating Operation** | |
| **Period of Rating** | 1996 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 1996 to date |
| **Stability of Channel Regimes** | Rather unstable because of backwater effect. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 16 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.51 | 1.45 | 1.55 | 1.66 | 1.85 | 1.85 | 1.96 | 1.19 | 0.84 | 0.70 | 0.60 | 0.53 | |
| 2 | 1.51 | 1.46 | 1.55 | 1.63 | 1.56 | 1.68 | 1.93 | 1.05 | 0.79 | 0.66 | 0.60 | 0.52 | |
| 3 | 1.51 | 1.48 | 1.54 | 1.58 | 1.31 | 1.55 | 1.80 | 1.18 | 0.75 | 0.65 | 0.59 | 0.51 | |
| 4 | 1.50 | 1.49 | 1.54 | 1.57 | 1.16 | 1.52 | 1.69 | 1.10 | 0.74 | 0.65 | 0.59 | 0.50 | |
| 5 | 1.50 | 1.55 | 1.65 | 1.57 | 1.09 | 1.63 | 1.58 | 1.08 | 0.73 | 0.62 | 0.58 | 0.50 | |
| 6 | 1.49 | 1.65 | 1.65 | 1.54 | 1.06 | 1.62 | 1.54 | 1.05 | 0.72 | 0.57 | 0.58 | 0.50 | |
| 7 | 1.49 | 1.56 | 1.63 | 1.49 | 1.02 | 1.63 | 1.53 | 0.96 | 0.69 | 0.56 | 0.57 | 0.53 | |
| 8 | 1.49 | 1.55 | 1.61 | 1.46 | 1.03 | 1.93 | 1.44 | 0.92 | 0.69 | 0.57 | 0.57 | 0.51 | |
| 9 | 1.50 | 1.50 | 1.62 | 1.45 | 1.09 | 2.04 | 1.30 | 0.95 | 0.67 | 0.60 | 0.57 | 0.54 | |
| 10 | 1.52 | 1.47 | 1.62 | 1.40 | 1.17 | 1.70 | 1.42 | 0.88 | 0.68 | 0.57 | 0.57 | 0.51 | |
| 11 | 1.54 | 1.51 | 1.60 | 1.37 | 1.19 | 1.53 | 1.66 | 0.87 | 0.78 | 0.59 | 0.58 | 0.50 | |
| 12 | 1.70 | 1.53 | 1.59 | 1.47 | 1.19 | 1.47 | 1.71 | 0.88 | 0.77 | 0.57 | 0.58 | 0.49 | |
| 13 | 1.58 | 1.54 | 1.61 | 1.65 | 1.06 | 1.46 | 1.73 | 0.89 | 0.78 | 0.56 | 0.57 | 0.53 | |
| 14 | 1.54 | 1.56 | 1.87 | 1.71 | 1.04 | 1.85 | 1.55 | 0.83 | 0.76 | 0.72 | 0.57 | 0.53 | |
| 15 | 1.53 | 1.58 | 1.81 | 1.69 | 1.17 | 1.69 | 1.43 | 0.80 | 0.86 | 0.54 | 0.57 | 0.52 | |
| 16 | 1.56 | 1.64 | 1.70 | 1.62 | 1.23 | 1.62 | 1.34 | 0.80 | 0.87 | 0.51 | 0.57 | 0.50 | |
| 17 | 1.54 | 1.67 | 1.55 | 1.59 | 1.16 | 1.53 | 1.26 | 0.78 | 0.79 | 0.56 | 0.57 | 0.49 | |
| 18 | 1.53 | 1.64 | 1.61 | 1.53 | 1.07 | 1.47 | 1.23 | 0.79 | 0.77 | 0.57 | 0.57 | 0.52 | |
| 19 | 1.49 | 1.62 | 1.81 | 1.51 | 1.02 | 1.39 | 1.24 | 0.80 | 0.68 | 0.53 | 0.57 | 0.52 | |
| 20 | 1.48 | 1.90 | 1.93 | 1.49 | 1.01 | 1.33 | 1.28 | 0.78 | 0.67 | 0.53 | 0.57 | 0.49 | |
| 21 | 1.48 | 1.99 | 1.91 | 1.48 | 0.98 | 1.29 | 1.56 | 0.78 | 0.66 | 0.53 | 0.57 | 0.51 | |
| 22 | 1.51 | 1.75 | 1.86 | 1.46 | 0.93 | 1.21 | 1.44 | 0.75 | 0.65 | 0.53 | 0.57 | 0.50 | |
| 23 | 1.46 | 1.65 | 1.72 | 1.38 | 0.87 | 1.21 | 1.36 | 0.77 | 0.64 | 0.53 | 0.56 | 0.53 | |
| 24 | 1.41 | 1.63 | 1.78 | 1.59 | 0.85 | 1.22 | 1.28 | 1.01 | 0.63 | 0.52 | 0.56 | 0.53 | |
| 25 | 1.38 | 1.61 | 1.99 | 1.61 | 0.84 | 1.25 | 1.36 | 0.74 | 0.62 | 0.52 | 0.56 | 0.53 | |
| 26 | 1.43 | 1.58 | 1.97 | 1.61 | 1.19 | 1.31 | 1.23 | 0.78 | 0.63 | 0.51 | 0.55 | 0.53 | |
| 27 | 1.40 | 1.57 | 1.91 | 1.61 | 1.15 | 1.56 | 1.16 | 0.76 | 0.66 | 0.51 | 0.55 | 0.52 | |
| 28 | 1.43 | 1.56 | 1.85 | 1.61 | 1.47 | 1.65 | 1.11 | 0.92 | 0.66 | 0.51 | 0.55 | 0.52 | |
| 29 | 1.45 | 1.55 | 1.75 | 1.61 | 1.31 | 1.46 | 1.06 | 0.86 | 0.73 | 0.51 | | 0.52 | |
| 30 | 1.43 | 1.55 | 1.68 | 1.98 | 2.16 | 1.67 | 1.05 | 0.81 | 0.68 | 0.51 | | 0.51 | |
| 31 | | 1.57 | | 2.15 | 2.00 | | 1.05 | | 0.72 | 0.50 | | 0.51 | |
| Mean | 1.50 | 1.59 | 1.72 | 1.58 | 1.20 | 1.54 | 1.43 | 0.89 | 0.72 | 0.56 | 0.57 | 0.51 | |
| Max | 1.70 | 1.99 | 1.99 | 2.15 | 2.16 | 2.04 | 1.96 | 1.19 | 0.87 | 0.72 | 0.60 | 0.54 | 2.16 |
| Min | 1.38 | 1.45 | 1.54 | 1.37 | 0.84 | 1.21 | 1.05 | 0.74 | 0.62 | 0.50 | 0.55 | 0.49 | 0.49 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 2.25 | m. (MSL.) , | at 18.00 Hours , on Sep 8, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 0.47 | m. (MSL.) |
| Left Bank Elevation | 3.54 | m. (MSL.) , | | | |
| Right Bank Elevation | 3.54 | m. (MSL.) , | Drainage Are | 45 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.06 | 0.70 | 1.30 | 2.08 | 3.70 | 5.58 | 6.62 | 1.77 | 0.62 | 0.30 | 0.10 | 0.03 | | |
| 2 | 1.06 | 0.76 | 1.30 | 1.84 | 1.36 | 4.20 | 6.34 | 1.28 | 0.48 | 0.22 | 0.10 | 0.02 | | |
| 3 | 1.06 | 0.88 | 1.24 | 1.48 | 0.04 | 3.35 | 5.10 | 1.73 | 0.40 | 0.20 | 0.09 | 0.01 | | |
| 4 | 1.00 | 0.94 | 1.24 | 1.42 | 1.66 | 3.20 | 4.28 | 1.45 | 0.38 | 0.20 | 0.09 | 0.00 | | |
| 5 | 1.00 | 1.30 | 2.00 | 1.42 | 1.42 | 3.83 | 3.50 | 1.38 | 0.36 | 0.14 | 0.08 | 0.00 | | |
| 6 | 0.94 | 2.00 | 2.00 | 1.24 | 1.31 | 3.75 | 3.30 | 1.28 | 0.34 | 0.07 | 0.08 | 0.00 | | |
| 7 | 0.94 | 1.36 | 1.84 | 0.94 | 1.17 | 3.83 | 3.25 | 0.98 | 0.28 | 0.06 | 0.07 | 0.03 | | |
| 8 | 0.94 | 1.30 | 1.68 | 0.76 | 1.21 | 6.34 | 2.80 | 0.86 | 0.28 | 0.07 | 0.07 | 0.01 | | |
| 9 | 1.00 | 1.00 | 1.76 | 0.70 | 1.42 | 7.52 | 2.20 | 0.95 | 0.24 | 0.10 | 0.07 | 0.04 | | |
| 10 | 1.12 | 0.82 | 1.76 | 0.40 | 1.70 | 4.35 | 2.70 | 0.74 | 0.26 | 0.07 | 0.07 | 0.01 | | |
| 11 | 1.24 | 1.06 | 1.60 | 0.28 | 1.77 | 3.25 | 4.05 | 0.71 | 0.46 | 0.09 | 0.08 | 0.00 | | |
| 12 | 2.40 | 1.18 | 1.54 | 0.82 | 1.77 | 2.95 | 4.43 | 0.74 | 0.44 | 0.07 | 0.08 | 0.00 | | |
| 13 | 1.48 | 1.24 | 1.68 | 2.00 | 1.31 | 2.90 | 4.58 | 0.77 | 0.46 | 0.06 | 0.07 | 0.03 | | |
| 14 | 1.24 | 1.36 | 3.90 | 2.48 | 1.24 | 5.58 | 3.35 | 0.59 | 0.42 | 0.34 | 0.07 | 0.03 | | |
| 15 | 1.18 | 1.48 | 3.30 | 2.32 | 1.70 | 4.28 | 2.75 | 0.50 | 0.68 | 0.04 | 0.07 | 0.02 | | |
| 16 | 1.36 | 1.92 | 2.40 | 1.76 | 1.92 | 3.75 | 2.36 | 0.50 | 0.71 | 0.01 | 0.07 | 0.00 | | |
| 17 | 1.24 | 2.16 | 1.30 | 1.54 | 1.66 | 3.25 | 2.04 | 0.46 | 0.48 | 0.06 | 0.07 | 0.00 | | |
| 18 | 1.18 | 1.92 | 1.68 | 1.18 | 1.35 | 2.95 | 1.92 | 0.48 | 0.44 | 0.07 | 0.07 | 0.02 | | |
| 19 | 0.94 | 1.76 | 3.30 | 1.06 | 1.17 | 2.56 | 1.96 | 0.50 | 0.26 | 0.03 | 0.07 | 0.02 | | |
| 20 | 0.88 | 4.20 | 4.50 | 0.94 | 1.14 | 2.32 | 2.12 | 0.46 | 0.24 | 0.03 | 0.07 | 0.00 | | |
| 21 | 0.88 | 5.10 | 4.30 | 0.88 | 1.04 | 2.16 | 3.40 | 0.46 | 0.22 | 0.03 | 0.07 | 0.01 | | |
| 22 | 1.06 | 2.80 | 3.80 | 0.76 | 0.89 | 1.84 | 2.80 | 0.40 | 0.20 | 0.03 | 0.07 | 0.00 | | |
| 23 | 0.76 | 2.00 | 2.56 | 0.32 | 0.71 | 1.84 | 2.44 | 0.44 | 0.18 | 0.03 | 0.06 | 0.03 | | |
| 24 | 0.46 | 1.84 | 3.04 | 1.54 | 0.65 | 1.88 | 2.12 | 1.14 | 0.16 | 0.02 | 0.06 | 0.03 | | |
| 25 | 0.32 | 1.68 | 5.10 | 1.68 | 0.62 | 2.00 | 2.44 | 0.38 | 0.14 | 0.02 | 0.06 | 0.03 | | |
| 26 | 0.58 | 1.48 | 4.90 | 1.68 | 1.77 | 2.24 | 1.92 | 0.46 | 0.16 | 0.01 | 0.05 | 0.03 | | |
| 27 | 0.40 | 1.42 | 4.30 | 1.68 | 1.63 | 3.40 | 1.66 | 0.42 | 0.22 | 0.01 | 0.05 | 0.02 | | |
| 28 | 0.58 | 1.36 | 3.70 | 1.68 | 2.95 | 3.98 | 1.49 | 0.86 | 0.22 | 0.01 | 0.05 | 0.02 | | |
| 29 | 0.70 | 1.30 | 2.80 | 1.68 | 2.24 | 2.90 | 1.31 | 0.68 | 0.36 | 0.01 | | 0.02 | | |
| 30 | 0.58 | 1.30 | 2.24 | 5.00 | 9.08 | 4.13 | 1.28 | 0.53 | 0.26 | 0.01 | | 0.01 | | |
| 31 | | 1.42 | | 7.45 | 7.00 | | 1.28 | | 0.34 | 0.00 | | 0.01 | | |
| Total | 29.58 | 51.04 | 78.06 | 51.01 | 58.60 | 106.11 | 91.79 | 23.90 | 10.69 | 2.41 | 2.01 | 0.48 | 505.68 | CMSDAY |
| Mean | 0.99 | 1.65 | 2.60 | 1.65 | 1.89 | 3.54 | 2.96 | 0.80 | 0.34 | 0.08 | 0.07 | 0.02 | 1.39 | CMS |
| Max | 2.40 | 5.10 | 5.10 | 7.45 | 9.08 | 7.52 | 6.62 | 1.77 | 0.71 | 0.34 | 0.10 | 0.04 | 9.08 | CMS |
| Min | 0.32 | 0.70 | 1.24 | 0.28 | 0.04 | 1.84 | 1.28 | 0.38 | 0.14 | 0.00 | 0.05 | 0.00 | 0.00 | CMS |
| Runoff | 2.56 | 4.41 | 6.74 | 4.41 | 5.06 | 9.17 | 7.93 | 2.06 | 0.92 | 0.21 | 0.17 | 0.04 | 43.69 | MCM |

Momentary Peak 10.50 CMS. at 2.25 m. (MSL.) at 18.00 Hours , on Sep 8, 2006

Runoff Yield 30.73 Liters/Second/Square KM. Momentary Peak Yield 232.92 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Bang Yai at Ban Ket Ho , Phuket (X.190A)

Lat 07 - 54 - 13 N Long 98 - 21 - 02 E

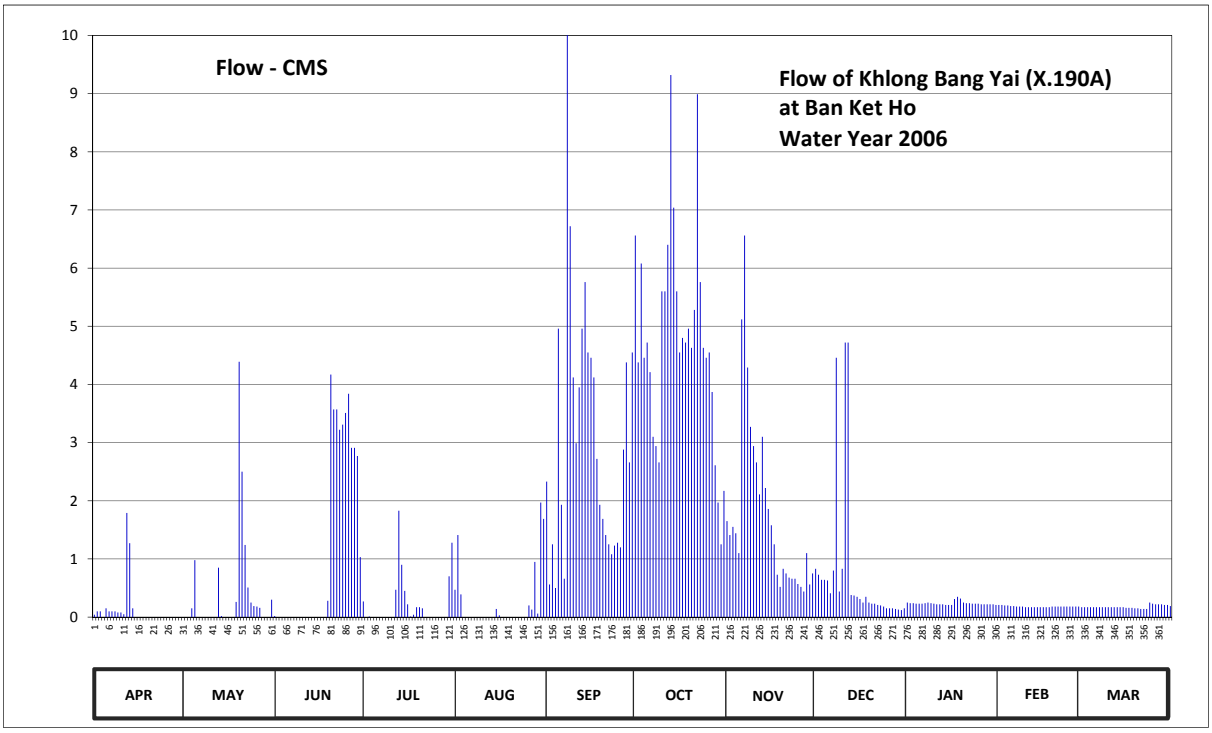
**Location : on left bank at Ban Ket Ho.**

| | | | |
|---|---|---|---|
| | **Ban** Ket Ho | **Amphoe** Kathu | **Changwat** Phuket |
| **Drainge Area** | 28 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the gage site. | | **Elevation** +17.360 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Rather unstable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records poor. Stage-discharge relation defined by 29 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.48 | 13.00 | 13.44 | 13.77 | 14.21 | 14.86 | 15.31 | 14.70 | 14.41 | 14.00 | 13.96 | 13.92 | |
| 2 | 13.60 | 13.15 | 13.35 | 13.08 | 14.63 | 14.26 | 15.15 | 14.63 | 14.36 | 13.99 | 13.96 | 13.92 | |
| 3 | 13.60 | 13.15 | 13.23 | 13.71 | 14.14 | 14.58 | 15.28 | 14.67 | 14.31 | 13.99 | 13.95 | 13.92 | |
| 4 | 13.00 | 13.65 | 13.15 | 13.69 | 13.68 | 14.23 | 15.16 | 14.64 | 14.31 | 13.98 | 13.95 | 13.92 | |
| 5 | 13.65 | 14.13 | 13.15 | 13.67 | 13.67 | 15.21 | 15.19 | 14.52 | 14.30 | 13.98 | 13.94 | 13.92 | |
| 6 | 13.60 | 13.36 | 13.29 | 13.65 | 13.63 | 14.78 | 15.13 | 15.22 | 14.16 | 13.98 | 13.94 | 13.92 | |
| 7 | 13.60 | 13.10 | 13.25 | 13.66 | 13.65 | 14.32 | 15.00 | 15.31 | 14.40 | 13.99 | 13.93 | 13.92 | |
| 8 | 13.60 | 13.10 | 13.25 | 13.64 | 13.64 | 15.47 | 14.97 | 15.14 | 15.16 | 14.00 | 13.93 | 13.92 | |
| 9 | 13.55 | 13.10 | 13.25 | 13.65 | 13.61 | 15.32 | 14.92 | 15.02 | 14.19 | 13.99 | 13.93 | 13.92 | |
| 10 | 13.55 | 13.15 | 13.26 | 13.64 | 13.59 | 15.12 | 15.25 | 14.97 | 14.41 | 13.98 | 13.92 | 13.92 | |
| 11 | 13.50 | 13.10 | 13.30 | 13.64 | 13.58 | 14.98 | 15.25 | 14.92 | 15.19 | 13.97 | 13.92 | 13.92 | |
| 12 | 14.41 | 13.15 | 13.22 | 14.21 | 13.61 | 15.10 | 15.30 | 14.82 | 15.19 | 13.97 | 13.92 | 13.92 | |
| 13 | 14.24 | 14.08 | 13.28 | 14.75 | 13.62 | 15.21 | 15.44 | 15.00 | 14.13 | 13.97 | 13.92 | 13.92 | |
| 14 | 13.65 | 13.44 | 13.33 | 14.44 | 13.60 | 15.26 | 15.34 | 14.84 | 14.12 | 13.96 | 13.92 | 13.92 | |
| 15 | 13.00 | 13.10 | 13.30 | 14.20 | 13.89 | 15.17 | 15.25 | 14.76 | 14.10 | 13.96 | 13.92 | 13.92 | |
| 16 | 13.00 | 13.25 | 13.20 | 13.97 | 13.75 | 15.16 | 15.17 | 14.68 | 14.06 | 13.96 | 13.92 | 13.91 | |
| 17 | 13.00 | 13.15 | 13.28 | 13.72 | 13.63 | 15.12 | 15.20 | 14.58 | 14.00 | 14.06 | 13.92 | 13.91 | |
| 18 | 13.00 | 13.00 | 13.32 | 13.77 | 13.55 | 14.93 | 15.19 | 14.36 | 14.10 | 14.10 | 13.92 | 13.91 | |
| 19 | 13.00 | 13.76 | 13.78 | 13.92 | 13.55 | 14.78 | 15.21 | 14.24 | 14.00 | 14.07 | 13.93 | 13.90 | |
| 20 | 13.00 | 14.98 | 14.94 | 13.92 | 13.54 | 14.71 | 15.18 | 14.41 | 13.98 | 14.00 | 13.93 | 13.90 | |
| 21 | 13.00 | 14.60 | 14.83 | 13.90 | 13.53 | 14.63 | 15.23 | 14.37 | 13.98 | 13.99 | 13.93 | 13.89 | |
| 22 | 13.00 | 14.23 | 14.83 | 13.58 | 13.53 | 14.58 | 15.43 | 14.33 | 13.96 | 13.99 | 13.93 | 13.89 | |
| 23 | 13.10 | 13.92 | 14.76 | 13.66 | 13.53 | 14.51 | 15.26 | 14.32 | 13.95 | 13.98 | 13.93 | 13.89 | |
| 24 | 13.15 | 13.75 | 14.78 | 13.55 | 13.50 | 14.57 | 15.18 | 14.32 | 13.93 | 13.98 | 13.93 | 14.00 | |
| 25 | 13.10 | 13.69 | 14.82 | 13.55 | 13.49 | 14.59 | 15.16 | 14.27 | 13.90 | 13.98 | 13.93 | 13.98 | |
| 26 | 13.15 | 13.68 | 14.88 | 13.55 | 13.95 | 14.56 | 15.17 | 14.24 | 13.90 | 13.97 | 13.93 | 13.97 | |
| 27 | 13.10 | 13.66 | 14.69 | 13.55 | 13.88 | 14.96 | 15.09 | 14.19 | 13.90 | 13.97 | 13.93 | 13.97 | |
| 28 | 13.10 | 13.28 | 14.69 | 13.55 | 14.46 | 15.15 | 14.91 | 14.52 | 13.89 | 13.97 | 13.93 | 13.97 | |
| 29 | 13.10 | 13.25 | 14.66 | 13.55 | 13.81 | 14.92 | 14.79 | 14.26 | 13.88 | 13.97 | | 13.96 | |
| 30 | 13.10 | 13.20 | 14.15 | 14.34 | 14.79 | 15.17 | 14.58 | 14.37 | 13.87 | 13.97 | | 13.96 | |
| 31 | | 13.80 | | 14.59 | 14.71 | | 14.83 | | 13.90 | 13.96 | | 13.94 | |
| Mean | 13.33 | 13.51 | 13.82 | 13.81 | 13.80 | 14.87 | 15.15 | 14.62 | 14.19 | 13.99 | 13.93 | 13.93 | |
| Max | 14.41 | 14.98 | 14.94 | 14.75 | 14.79 | 15.47 | 15.44 | 15.31 | 15.19 | 14.10 | 13.96 | 14.00 | 15.47 |
| Min | 13.00 | 13.00 | 13.15 | 13.08 | 13.49 | 14.23 | 14.58 | 14.19 | 13.87 | 13.96 | 13.92 | 13.89 | 13.00 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 15.68 | m. (MSL.) , | at 15.00 Hours , on Sep 8 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 13.37 | m. (MSL.) |
| Left Bank Elevation | 17.13 | m. (MSL.) , | | | |
| Right Bank Elevation | 17.23 | m. (MSL.) , | Drainage Are | 28 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.04 | 0.00 | 0.02 | 0.27 | 0.47 | 2.33 | 6.56 | 1.65 | 0.83 | 0.25 | 0.21 | 0.17 | | |
| 2 | 0.10 | 0.00 | 0.00 | 0.00 | 1.41 | 0.56 | 4.38 | 1.41 | 0.73 | 0.24 | 0.21 | 0.17 | | |
| 3 | 0.10 | 0.00 | 0.00 | 0.01 | 0.39 | 1.25 | 6.08 | 1.55 | 0.64 | 0.24 | 0.20 | 0.17 | | |
| 4 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.50 | 4.46 | 1.44 | 0.64 | 0.23 | 0.20 | 0.17 | | |
| 5 | 0.15 | 0.98 | 0.00 | 0.00 | 0.00 | 4.96 | 4.72 | 1.10 | 0.63 | 0.23 | 0.19 | 0.17 | | |
| 6 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 4.21 | 5.12 | 0.41 | 0.23 | 0.19 | 0.17 | | |
| 7 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 3.10 | 6.56 | 0.80 | 0.24 | 0.18 | 0.17 | | |
| 8 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 10.31 | 2.94 | 4.29 | 4.46 | 0.25 | 0.18 | 0.17 | | |
| 9 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 2.66 | 3.27 | 0.44 | 0.24 | 0.18 | 0.17 | | |
| 10 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 4.12 | 5.60 | 2.94 | 0.83 | 0.23 | 0.17 | 0.17 | | |
| 11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 2.99 | 5.60 | 2.66 | 4.72 | 0.22 | 0.17 | 0.17 | | |
| 12 | 1.79 | 0.00 | 0.00 | 0.47 | 0.00 | 3.95 | 6.40 | 2.11 | 4.72 | 0.22 | 0.17 | 0.17 | | |
| 13 | 1.27 | 0.85 | 0.00 | 1.83 | 0.00 | 4.96 | 9.32 | 3.10 | 0.38 | 0.22 | 0.17 | 0.17 | | |
| 14 | 0.15 | 0.02 | 0.00 | 0.90 | 0.00 | 5.76 | 7.04 | 2.22 | 0.37 | 0.21 | 0.17 | 0.17 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.45 | 0.14 | 4.55 | 5.60 | 1.86 | 0.35 | 0.21 | 0.17 | 0.17 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.22 | 0.03 | 4.46 | 4.55 | 1.58 | 0.31 | 0.21 | 0.17 | 0.16 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 4.12 | 4.80 | 1.25 | 0.25 | 0.31 | 0.17 | 0.16 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 2.72 | 4.72 | 0.73 | 0.35 | 0.35 | 0.17 | 0.16 | | |
| 19 | 0.00 | 0.26 | 0.28 | 0.17 | 0.00 | 1.93 | 4.96 | 0.52 | 0.25 | 0.32 | 0.18 | 0.15 | | |
| 20 | 0.00 | 4.39 | 4.17 | 0.17 | 0.00 | 1.69 | 4.63 | 0.83 | 0.23 | 0.25 | 0.18 | 0.15 | | |
| 21 | 0.00 | 2.50 | 3.57 | 0.15 | 0.00 | 1.41 | 5.28 | 0.75 | 0.23 | 0.24 | 0.18 | 0.14 | | |
| 22 | 0.00 | 1.24 | 3.57 | 0.00 | 0.00 | 1.25 | 8.99 | 0.68 | 0.21 | 0.24 | 0.18 | 0.14 | | |
| 23 | 0.00 | 0.51 | 3.22 | 0.00 | 0.00 | 1.08 | 5.76 | 0.66 | 0.20 | 0.23 | 0.18 | 0.14 | | |
| 24 | 0.00 | 0.25 | 3.31 | 0.00 | 0.00 | 1.23 | 4.63 | 0.66 | 0.18 | 0.23 | 0.18 | 0.25 | | |
| 25 | 0.00 | 0.19 | 3.51 | 0.00 | 0.00 | 1.28 | 4.46 | 0.57 | 0.15 | 0.23 | 0.18 | 0.23 | | |
| 26 | 0.00 | 0.18 | 3.84 | 0.00 | 0.20 | 1.20 | 4.55 | 0.52 | 0.15 | 0.22 | 0.18 | 0.22 | | |
| 27 | 0.00 | 0.16 | 2.91 | 0.00 | 0.13 | 2.88 | 3.87 | 0.44 | 0.15 | 0.22 | 0.18 | 0.22 | | |
| 28 | 0.00 | 0.00 | 2.91 | 0.00 | 0.95 | 4.38 | 2.61 | 1.10 | 0.14 | 0.22 | 0.18 | 0.22 | | |
| 29 | 0.00 | 0.00 | 2.77 | 0.00 | 0.06 | 2.66 | 1.97 | 0.56 | 0.13 | 0.22 | | 0.21 | | |
| 30 | 0.00 | 0.00 | 1.03 | 0.70 | 1.97 | 4.55 | 1.25 | 0.75 | 0.12 | 0.22 | | 0.21 | | |
| 31 | | 0.30 | | 1.28 | 1.69 | | 2.17 | | 0.15 | 0.21 | | 0.19 | | |
| Total | 4.11 | 11.98 | 35.11 | 6.67 | 7.44 | 92.39 | 147.87 | 52.88 | 24.15 | 7.38 | 5.07 | 5.50 | 400.55 | CMSDAY |
| Mean | 0.14 | 0.39 | 1.17 | 0.22 | 0.24 | 3.08 | 4.77 | 1.76 | 0.78 | 0.24 | 0.18 | 0.18 | 1.10 | CMS |
| Max | 1.79 | 4.39 | 4.17 | 1.83 | 1.97 | 10.31 | 9.32 | 6.56 | 4.72 | 0.35 | 0.21 | 0.25 | 10.31 | CMS |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 1.25 | 0.44 | 0.12 | 0.21 | 0.17 | 0.14 | 0.00 | CMS |
| Runoff | 0.36 | 1.04 | 3.03 | 0.58 | 0.64 | 7.98 | 12.78 | 4.57 | 2.09 | 0.64 | 0.44 | 0.48 | 34.61 | MCM |

Momentary Peak 19.56 CMS. at 15.68 m. (MSL.) at 15.00 Hours , on Sep 8 , 2006

Runoff Yield 37.95 Liters/Second/Square KM. Momentary Peak Yield 676.35 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Bang Yai at Satree Phuket School , Phuket (X.191)

Lat 07 - 53 - 20 N Long 98 - 23 - 40 E

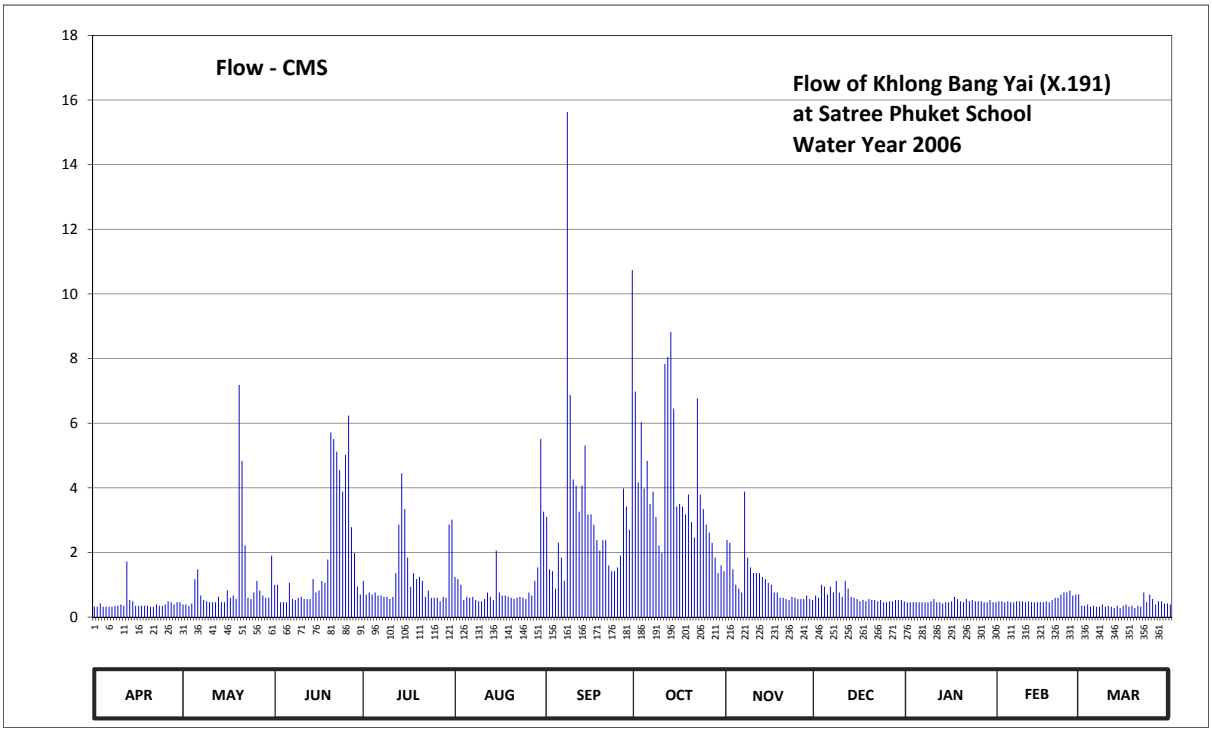
**Location : on left bank at Satree Phuket School.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** - | | **Amphoe** Mueang | **Changwat** Phuket | |
| **Drainge Area** | 54 sq.km. | | | | |
| **Type of Gage** | Staff gage. | | | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | On left bank about 8 meters from the top staff gage. | | | **Elevation** | +4.830 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | | | |
| **Period of Available Gage Records** | 1996 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 1996 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 1996 to date | | | | |
| **Stability of Channel Regimes** | Stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 30 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.49 | 1.51 | 1.65 | 1.67 | 1.69 | 1.95 | 2.35 | 1.86 | 1.59 | 1.53 | 1.54 | 1.50 | |
| 2 | 1.49 | 1.51 | 1.65 | 1.60 | 1.68 | 1.73 | 2.07 | 1.85 | 1.57 | 1.53 | 1.54 | 1.50 | |
| 3 | 1.52 | 1.50 | 1.53 | 1.61 | 1.65 | 1.72 | 2.26 | 1.73 | 1.65 | 1.53 | 1.53 | 1.51 | |
| 4 | 1.49 | 1.52 | 1.53 | 1.60 | 1.55 | 1.63 | 2.05 | 1.65 | 1.64 | 1.53 | 1.54 | 1.49 | |
| 5 | 1.49 | 1.68 | 1.53 | 1.61 | 1.58 | 1.85 | 2.14 | 1.63 | 1.60 | 1.53 | 1.53 | 1.50 | |
| 6 | 1.49 | 1.73 | 1.66 | 1.59 | 1.57 | 1.79 | 2.00 | 1.61 | 1.64 | 1.53 | 1.53 | 1.49 | |
| 7 | 1.49 | 1.59 | 1.56 | 1.59 | 1.58 | 1.67 | 2.04 | 2.04 | 1.61 | 1.53 | 1.54 | 1.49 | |
| 8 | 1.50 | 1.55 | 1.55 | 1.58 | 1.55 | 3.09 | 1.95 | 1.79 | 1.67 | 1.53 | 1.54 | 1.51 | |
| 9 | 1.50 | 1.54 | 1.57 | 1.58 | 1.54 | 2.34 | 1.84 | 1.74 | 1.61 | 1.54 | 1.54 | 1.49 | |
| 10 | 1.51 | 1.53 | 1.58 | 1.56 | 1.54 | 2.08 | 1.81 | 1.71 | 1.58 | 1.56 | 1.53 | 1.50 | |
| 11 | 1.50 | 1.53 | 1.56 | 1.58 | 1.56 | 2.06 | 2.43 | 1.71 | 1.67 | 1.53 | 1.54 | 1.49 | |
| 12 | 1.77 | 1.53 | 1.56 | 1.71 | 1.61 | 1.97 | 2.45 | 1.71 | 1.63 | 1.53 | 1.53 | 1.48 | |
| 13 | 1.55 | 1.58 | 1.56 | 1.92 | 1.58 | 2.06 | 2.52 | 1.69 | 1.58 | 1.52 | 1.53 | 1.50 | |
| 14 | 1.54 | 1.53 | 1.68 | 2.10 | 1.55 | 2.19 | 2.30 | 1.68 | 1.57 | 1.53 | 1.53 | 1.48 | |
| 15 | 1.50 | 1.53 | 1.61 | 1.98 | 1.82 | 1.96 | 1.99 | 1.66 | 1.56 | 1.53 | 1.53 | 1.50 | |
| 16 | 1.50 | 1.62 | 1.62 | 1.79 | 1.61 | 1.96 | 2.00 | 1.65 | 1.54 | 1.54 | 1.53 | 1.51 | |
| 17 | 1.50 | 1.57 | 1.67 | 1.64 | 1.59 | 1.92 | 1.99 | 1.61 | 1.55 | 1.58 | 1.54 | 1.49 | |
| 18 | 1.50 | 1.59 | 1.66 | 1.71 | 1.59 | 1.86 | 1.96 | 1.61 | 1.54 | 1.56 | 1.53 | 1.50 | |
| 19 | 1.50 | 1.56 | 1.78 | 1.68 | 1.58 | 1.82 | 2.03 | 1.57 | 1.56 | 1.54 | 1.55 | 1.48 | |
| 20 | 1.49 | 2.37 | 2.23 | 1.69 | 1.57 | 1.86 | 1.93 | 1.57 | 1.55 | 1.53 | 1.57 | 1.50 | |
| 21 | 1.49 | 2.14 | 2.21 | 1.67 | 1.56 | 1.86 | 1.87 | 1.56 | 1.55 | 1.56 | 1.57 | 1.49 | |
| 22 | 1.51 | 1.84 | 2.17 | 1.58 | 1.57 | 1.75 | 2.33 | 1.55 | 1.54 | 1.54 | 1.60 | 1.61 | |
| 23 | 1.50 | 1.57 | 2.11 | 1.62 | 1.58 | 1.72 | 2.03 | 1.58 | 1.55 | 1.55 | 1.61 | 1.53 | |
| 24 | 1.50 | 1.56 | 2.04 | 1.57 | 1.57 | 1.72 | 1.98 | 1.57 | 1.53 | 1.54 | 1.61 | 1.60 | |
| 25 | 1.51 | 1.61 | 2.16 | 1.57 | 1.56 | 1.74 | 1.92 | 1.56 | 1.53 | 1.54 | 1.62 | 1.56 | |
| 26 | 1.54 | 1.67 | 2.28 | 1.57 | 1.61 | 1.80 | 1.89 | 1.56 | 1.54 | 1.54 | 1.59 | 1.51 | |
| 27 | 1.53 | 1.62 | 1.91 | 1.54 | 1.59 | 2.05 | 1.85 | 1.56 | 1.54 | 1.53 | 1.60 | 1.54 | |
| 28 | 1.51 | 1.59 | 1.81 | 1.58 | 1.67 | 1.99 | 1.79 | 1.59 | 1.55 | 1.53 | 1.60 | 1.54 | |
| 29 | 1.53 | 1.57 | 1.64 | 1.57 | 1.74 | 1.90 | 1.71 | 1.56 | 1.55 | 1.55 | | 1.52 | |
| 30 | 1.53 | 1.57 | 1.60 | 1.92 | 2.21 | 2.69 | 1.75 | 1.55 | 1.55 | 1.53 | | 1.52 | |
| 31 | | 1.80 | | 1.94 | 1.97 | | 1.72 | | 1.54 | 1.53 | | 1.51 | |
| Mean | 1.52 | 1.63 | 1.76 | 1.67 | 1.63 | 1.96 | 2.03 | 1.66 | 1.58 | 1.54 | 1.56 | 1.51 | |
| Max | 1.77 | 2.37 | 2.28 | 2.10 | 2.21 | 3.09 | 2.52 | 2.04 | 1.67 | 1.58 | 1.62 | 1.61 | 3.09 |
| Min | 1.49 | 1.50 | 1.53 | 1.54 | 1.54 | 1.63 | 1.71 | 1.55 | 1.53 | 1.52 | 1.53 | 1.48 | 1.48 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 4.32 | m. (MSL.) , | at 12.00 Hours , on Sep 8, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 1.23 | m. (MSL.) |
| Left Bank Elevation | 4.86 | m. (MSL.) , | | | |
| Right Bank Elevation | 4.89 | m. (MSL.) , | Drainage Are | 54 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.32 | 0.39 | 1.00 | 1.12 | 1.24 | 3.10 | 6.98 | 2.38 | 0.67 | 0.46 | 0.49 | 0.35 | | |
| 2 | 0.32 | 0.39 | 1.00 | 0.70 | 1.18 | 1.48 | 4.17 | 2.30 | 0.60 | 0.46 | 0.49 | 0.35 | | |
| 3 | 0.42 | 0.35 | 0.46 | 0.76 | 1.00 | 1.42 | 6.03 | 1.48 | 1.00 | 0.46 | 0.46 | 0.39 | | |
| 4 | 0.32 | 0.42 | 0.46 | 0.70 | 0.53 | 0.88 | 3.98 | 1.00 | 0.94 | 0.46 | 0.49 | 0.32 | | |
| 5 | 0.32 | 1.18 | 0.46 | 0.76 | 0.63 | 2.30 | 4.83 | 0.88 | 0.70 | 0.46 | 0.46 | 0.35 | | |
| 6 | 0.32 | 1.48 | 1.06 | 0.67 | 0.60 | 1.84 | 3.50 | 0.76 | 0.94 | 0.46 | 0.46 | 0.32 | | |
| 7 | 0.32 | 0.67 | 0.56 | 0.67 | 0.63 | 1.12 | 3.88 | 3.88 | 0.76 | 0.46 | 0.49 | 0.32 | | |
| 8 | 0.35 | 0.53 | 0.53 | 0.63 | 0.53 | 15.63 | 3.10 | 1.84 | 1.12 | 0.46 | 0.49 | 0.39 | | |
| 9 | 0.35 | 0.49 | 0.60 | 0.63 | 0.49 | 6.87 | 2.22 | 1.54 | 0.76 | 0.49 | 0.49 | 0.32 | | |
| 10 | 0.39 | 0.46 | 0.63 | 0.56 | 0.49 | 4.26 | 1.98 | 1.36 | 0.63 | 0.56 | 0.46 | 0.35 | | |
| 11 | 0.35 | 0.46 | 0.56 | 0.63 | 0.56 | 4.07 | 7.83 | 1.36 | 1.12 | 0.46 | 0.49 | 0.32 | | |
| 12 | 1.72 | 0.46 | 0.56 | 1.36 | 0.76 | 3.26 | 8.05 | 1.36 | 0.88 | 0.46 | 0.46 | 0.28 | | |
| 13 | 0.53 | 0.63 | 0.56 | 2.86 | 0.63 | 4.07 | 8.82 | 1.24 | 0.63 | 0.42 | 0.46 | 0.35 | | |
| 14 | 0.49 | 0.46 | 1.18 | 4.45 | 0.53 | 5.31 | 6.45 | 1.18 | 0.60 | 0.46 | 0.46 | 0.28 | | |
| 15 | 0.35 | 0.46 | 0.76 | 3.34 | 2.06 | 3.18 | 3.42 | 1.06 | 0.56 | 0.46 | 0.46 | 0.35 | | |
| 16 | 0.35 | 0.82 | 0.82 | 1.84 | 0.76 | 3.18 | 3.50 | 1.00 | 0.49 | 0.49 | 0.46 | 0.39 | | |
| 17 | 0.35 | 0.60 | 1.12 | 0.94 | 0.67 | 2.86 | 3.42 | 0.76 | 0.53 | 0.63 | 0.49 | 0.32 | | |
| 18 | 0.35 | 0.67 | 1.06 | 1.36 | 0.67 | 2.38 | 3.18 | 0.76 | 0.49 | 0.56 | 0.46 | 0.35 | | |
| 19 | 0.35 | 0.56 | 1.78 | 1.18 | 0.63 | 2.06 | 3.79 | 0.60 | 0.56 | 0.49 | 0.53 | 0.28 | | |
| 20 | 0.32 | 7.19 | 5.72 | 1.24 | 0.60 | 2.38 | 2.94 | 0.60 | 0.53 | 0.46 | 0.60 | 0.35 | | |
| 21 | 0.32 | 4.83 | 5.51 | 1.12 | 0.56 | 2.38 | 2.46 | 0.56 | 0.53 | 0.56 | 0.60 | 0.32 | | |
| 22 | 0.39 | 2.22 | 5.12 | 0.63 | 0.60 | 1.60 | 6.77 | 0.53 | 0.49 | 0.49 | 0.70 | 0.76 | | |
| 23 | 0.35 | 0.60 | 4.55 | 0.82 | 0.63 | 1.42 | 3.79 | 0.63 | 0.53 | 0.53 | 0.76 | 0.46 | | |
| 24 | 0.35 | 0.56 | 3.88 | 0.60 | 0.60 | 1.42 | 3.34 | 0.60 | 0.46 | 0.49 | 0.76 | 0.70 | | |
| 25 | 0.39 | 0.76 | 5.02 | 0.60 | 0.56 | 1.54 | 2.86 | 0.56 | 0.46 | 0.49 | 0.82 | 0.56 | | |
| 26 | 0.49 | 1.12 | 6.24 | 0.60 | 0.76 | 1.90 | 2.62 | 0.56 | 0.49 | 0.49 | 0.67 | 0.39 | | |
| 27 | 0.46 | 0.82 | 2.78 | 0.49 | 0.67 | 3.98 | 2.30 | 0.56 | 0.49 | 0.46 | 0.70 | 0.49 | | |
| 28 | 0.39 | 0.67 | 1.98 | 0.63 | 1.12 | 3.42 | 1.84 | 0.67 | 0.53 | 0.46 | 0.70 | 0.49 | | |
| 29 | 0.46 | 0.60 | 0.94 | 0.60 | 1.54 | 2.70 | 1.36 | 0.56 | 0.53 | 0.53 | | 0.42 | | |
| 30 | 0.46 | 0.60 | 0.70 | 2.86 | 5.51 | 10.74 | 1.60 | 0.53 | 0.53 | 0.46 | | 0.42 | | |
| 31 | | 1.90 | | 3.02 | 3.26 | | 1.42 | | 0.49 | 0.46 | | 0.39 | | |
| Total | 12.65 | 33.35 | 57.60 | 38.37 | 31.00 | 102.75 | 122.43 | 33.10 | 20.04 | 15.04 | 15.36 | 12.13 | 493.82 | CMSDAY |
| Mean | 0.42 | 1.08 | 1.92 | 1.24 | 1.00 | 3.42 | 3.95 | 1.10 | 0.65 | 0.49 | 0.55 | 0.39 | 1.35 | CMS |
| Max | 1.72 | 7.19 | 6.24 | 4.45 | 5.51 | 15.63 | 8.82 | 3.88 | 1.12 | 0.63 | 0.82 | 0.76 | 15.63 | CMS |
| Min | 0.32 | 0.35 | 0.46 | 0.49 | 0.49 | 0.88 | 1.36 | 0.53 | 0.46 | 0.42 | 0.46 | 0.28 | 0.28 | CMS |
| Runoff | 1.09 | 2.88 | 4.98 | 3.32 | 2.68 | 8.88 | 10.58 | 2.86 | 1.73 | 1.30 | 1.33 | 1.05 | 42.67 | MCM |

Momentary Peak 34.92 CMS. at 4.32 m. (MSL.) at 12.00 Hours , on Sep 8, 2006

Runoff Yield 25.03 Liters/Second/Square KM. Momentary Peak Yield 645.95 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Bang Tha at Mueang , Phuket (X.192)

Lat 07 - 50 - 16 N Long 98 - 21 - 05 E

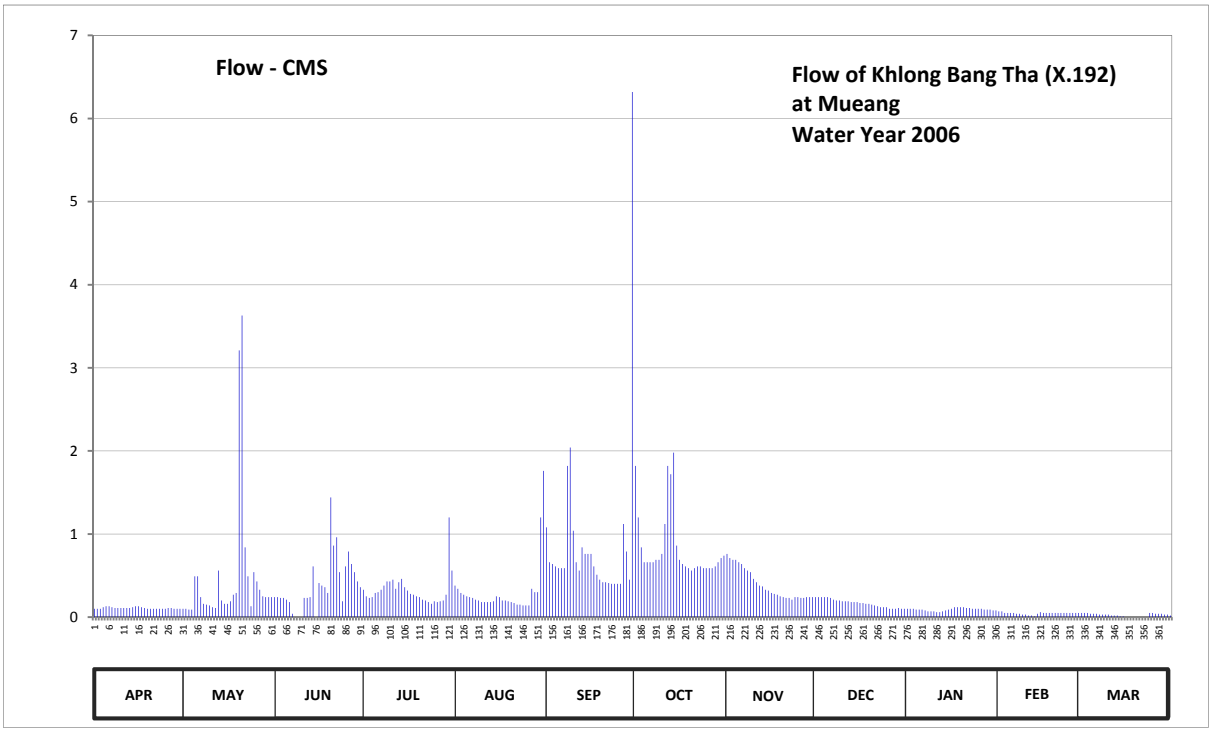
**Location : on left bank at the bridge.**

| | | | | |
|---|---|---|---|---|
| | **Ban** - | **Amphoe** Mueang | **Changwat** Phuket | |
| **Drainge Area** | 6 sq.km. | | | |
| **Type of Gage** | Staff gage | | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | | |
| **Bench Mark** | B.M.-H.D. | | | |
| **Location BM** | On left bank about 8 meters from the top staff gage. | | **Elevation** | +6.000 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | | |
| **Period of Available Gage Records** | 1996 to date | | | |
| **Rating Operation** | | | | |
| **Period of Rating** | 1996 to date | | | |
| **Rated by Flot** | - | | | |
| **Rated by Current Meter** | 1996 to date | | | |
| **Stability of Channel Regimes** | Stable. | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 21 discharge measurements made in 2006. | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.70 | 2.70 | 2.83 | 2.90 | 2.94 | 3.23 | 3.41 | 3.12 | 2.83 | 2.70 | 2.67 | 2.65 | |
| 2 | 2.70 | 2.70 | 2.83 | 2.84 | 2.91 | 3.08 | 3.26 | 3.10 | 2.83 | 2.70 | 2.67 | 2.65 | |
| 3 | 2.70 | 2.69 | 2.82 | 2.82 | 2.87 | 3.07 | 3.15 | 3.09 | 2.83 | 2.70 | 2.65 | 2.65 | |
| 4 | 2.72 | 2.69 | 2.82 | 2.83 | 2.85 | 3.06 | 3.08 | 3.09 | 2.83 | 2.69 | 2.65 | 2.64 | |
| 5 | 2.73 | 3.01 | 2.81 | 2.87 | 2.84 | 3.05 | 3.08 | 3.08 | 2.83 | 2.69 | 2.65 | 2.64 | |
| 6 | 2.73 | 3.01 | 2.78 | 2.88 | 2.83 | 3.05 | 3.08 | 3.07 | 2.82 | 2.69 | 2.65 | 2.64 | |
| 7 | 2.72 | 2.83 | 2.64 | 2.90 | 2.82 | 3.05 | 3.08 | 3.05 | 2.81 | 2.68 | 2.64 | 2.63 | |
| 8 | 2.71 | 2.76 | 2.34 | 2.94 | 2.81 | 3.41 | 3.09 | 3.04 | 2.80 | 2.67 | 2.64 | 2.63 | |
| 9 | 2.71 | 2.75 | 2.12 | 2.98 | 2.80 | 3.45 | 3.09 | 3.03 | 2.80 | 2.67 | 2.63 | 2.63 | |
| 10 | 2.71 | 2.74 | 2.15 | 2.98 | 2.78 | 3.22 | 3.12 | 3.00 | 2.79 | 2.67 | 2.63 | 2.63 | |
| 11 | 2.71 | 2.72 | 2.82 | 2.99 | 2.78 | 3.08 | 3.24 | 2.97 | 2.79 | 2.66 | 2.62 | 2.62 | |
| 12 | 2.71 | 2.71 | 2.82 | 2.91 | 2.78 | 3.04 | 3.41 | 2.94 | 2.79 | 2.66 | 2.62 | 2.62 | |
| 13 | 2.71 | 3.04 | 2.83 | 2.97 | 2.78 | 3.15 | 3.39 | 2.93 | 2.78 | 2.67 | 2.61 | 2.62 | |
| 14 | 2.72 | 2.80 | 3.06 | 3.00 | 2.79 | 3.12 | 3.44 | 2.90 | 2.78 | 2.68 | 2.64 | 2.61 | |
| 15 | 2.73 | 2.76 | 2.39 | 2.92 | 2.84 | 3.12 | 3.16 | 2.89 | 2.78 | 2.69 | 2.66 | 2.61 | |
| 16 | 2.73 | 2.76 | 2.96 | 2.89 | 2.83 | 3.12 | 3.09 | 2.87 | 2.77 | 2.70 | 2.65 | 2.60 | |
| 17 | 2.72 | 2.79 | 2.94 | 2.86 | 2.80 | 3.06 | 3.07 | 2.86 | 2.77 | 2.72 | 2.65 | 2.60 | |
| 18 | 2.71 | 2.85 | 2.92 | 2.85 | 2.80 | 3.02 | 3.06 | 2.85 | 2.76 | 2.72 | 2.65 | 2.60 | |
| 19 | 2.70 | 2.87 | 2.87 | 2.84 | 2.79 | 2.99 | 3.05 | 2.84 | 2.76 | 2.72 | 2.65 | 2.59 | |
| 20 | 2.70 | 3.65 | 3.32 | 2.83 | 2.78 | 2.97 | 3.04 | 2.83 | 2.75 | 2.72 | 2.65 | 2.59 | |
| 21 | 2.70 | 3.71 | 3.16 | 2.81 | 2.77 | 2.97 | 3.05 | 2.82 | 2.74 | 2.71 | 2.65 | 2.59 | |
| 22 | 2.70 | 3.15 | 3.20 | 2.80 | 2.75 | 2.96 | 3.06 | 2.82 | 2.73 | 2.71 | 2.65 | 2.59 | |
| 23 | 2.70 | 3.01 | 3.03 | 2.78 | 2.75 | 2.95 | 3.06 | 2.81 | 2.72 | 2.70 | 2.65 | 2.60 | |
| 24 | 2.70 | 2.73 | 2.79 | 2.76 | 2.74 | 2.95 | 3.05 | 2.83 | 2.72 | 2.70 | 2.65 | 2.65 | |
| 25 | 2.70 | 3.03 | 3.06 | 2.79 | 2.74 | 2.95 | 3.05 | 2.83 | 2.72 | 2.70 | 2.65 | 2.65 | |
| 26 | 2.71 | 2.98 | 3.13 | 2.78 | 2.74 | 2.95 | 3.05 | 2.82 | 2.70 | 2.70 | 2.65 | 2.64 | |
| 27 | 2.71 | 2.90 | 3.07 | 2.79 | 2.91 | 3.24 | 3.05 | 2.82 | 2.70 | 2.69 | 2.65 | 2.64 | |
| 28 | 2.70 | 2.84 | 3.03 | 2.80 | 2.88 | 3.13 | 3.06 | 2.83 | 2.70 | 2.69 | 2.65 | 2.64 | |
| 29 | 2.70 | 2.83 | 2.98 | 2.85 | 2.88 | 2.99 | 3.08 | 2.83 | 2.71 | 2.69 | | 2.63 | |
| 30 | 2.70 | 2.83 | 2.92 | 3.26 | 3.26 | 4.03 | 3.10 | 2.83 | 2.70 | 2.68 | | 2.63 | |
| 31 | | 2.83 | | 3.04 | 3.40 | | 3.11 | | 2.70 | 2.68 | | 2.62 | |
| Mean | 2.71 | 2.89 | 2.85 | 2.89 | 2.85 | 3.12 | 3.13 | 2.93 | 2.77 | 2.69 | 2.65 | 2.62 | |
| Max | 2.73 | 3.71 | 3.32 | 3.26 | 3.40 | 4.03 | 3.44 | 3.12 | 2.83 | 2.72 | 2.67 | 2.65 | 4.03 |
| Min | 2.70 | 2.69 | 2.12 | 2.76 | 2.74 | 2.95 | 3.04 | 2.81 | 2.70 | 2.66 | 2.61 | 2.59 | 2.12 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 4.05 | m. (MSL.) , | at 09.00 Hours , on Sep 30, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 2.58 | m. (MSL) |
| Left Bank Elevation | 5.96 | m. (MSL.) , | | | |
| Right Bank Elevation | 5.98 | m. (MSL.) , | Drainage Are | 6 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.10 | 0.10 | 0.24 | 0.33 | 0.38 | 1.08 | 1.82 | 0.76 | 0.24 | 0.10 | 0.07 | 0.05 | | |
| 2 | 0.10 | 0.10 | 0.24 | 0.25 | 0.34 | 0.66 | 1.20 | 0.71 | 0.24 | 0.10 | 0.07 | 0.05 | | |
| 3 | 0.10 | 0.09 | 0.23 | 0.23 | 0.29 | 0.64 | 0.84 | 0.69 | 0.24 | 0.10 | 0.05 | 0.05 | | |
| 4 | 0.12 | 0.09 | 0.23 | 0.24 | 0.27 | 0.61 | 0.66 | 0.69 | 0.24 | 0.09 | 0.05 | 0.04 | | |
| 5 | 0.13 | 0.49 | 0.21 | 0.29 | 0.25 | 0.59 | 0.66 | 0.66 | 0.24 | 0.09 | 0.05 | 0.04 | | |
| 6 | 0.13 | 0.49 | 0.18 | 0.30 | 0.24 | 0.59 | 0.66 | 0.64 | 0.23 | 0.09 | 0.05 | 0.04 | | |
| 7 | 0.12 | 0.24 | 0.04 | 0.33 | 0.23 | 0.59 | 0.66 | 0.59 | 0.21 | 0.08 | 0.04 | 0.03 | | |
| 8 | 0.11 | 0.16 | 0.00 | 0.38 | 0.21 | 1.82 | 0.69 | 0.56 | 0.20 | 0.07 | 0.04 | 0.03 | | |
| 9 | 0.11 | 0.15 | 0.00 | 0.43 | 0.20 | 2.04 | 0.69 | 0.54 | 0.20 | 0.07 | 0.03 | 0.03 | | |
| 10 | 0.11 | 0.14 | 0.00 | 0.43 | 0.18 | 1.04 | 0.76 | 0.46 | 0.19 | 0.07 | 0.03 | 0.03 | | |
| 11 | 0.11 | 0.12 | 0.23 | 0.45 | 0.18 | 0.66 | 1.12 | 0.42 | 0.19 | 0.06 | 0.02 | 0.02 | | |
| 12 | 0.11 | 0.11 | 0.23 | 0.34 | 0.18 | 0.56 | 1.82 | 0.38 | 0.19 | 0.06 | 0.02 | 0.02 | | |
| 13 | 0.11 | 0.56 | 0.24 | 0.42 | 0.18 | 0.84 | 1.72 | 0.37 | 0.18 | 0.07 | 0.01 | 0.02 | | |
| 14 | 0.12 | 0.20 | 0.61 | 0.46 | 0.19 | 0.76 | 1.98 | 0.33 | 0.18 | 0.08 | 0.04 | 0.01 | | |
| 15 | 0.13 | 0.16 | 0.00 | 0.36 | 0.25 | 0.76 | 0.86 | 0.32 | 0.18 | 0.09 | 0.06 | 0.01 | | |
| 16 | 0.13 | 0.16 | 0.41 | 0.32 | 0.24 | 0.76 | 0.69 | 0.29 | 0.17 | 0.10 | 0.05 | 0.00 | | |
| 17 | 0.12 | 0.19 | 0.38 | 0.28 | 0.20 | 0.61 | 0.64 | 0.28 | 0.17 | 0.12 | 0.05 | 0.00 | | |
| 18 | 0.11 | 0.27 | 0.36 | 0.27 | 0.20 | 0.51 | 0.61 | 0.27 | 0.16 | 0.12 | 0.05 | 0.00 | | |
| 19 | 0.10 | 0.29 | 0.29 | 0.25 | 0.19 | 0.45 | 0.59 | 0.25 | 0.16 | 0.12 | 0.05 | 0.00 | | |
| 20 | 0.10 | 3.21 | 1.44 | 0.24 | 0.18 | 0.42 | 0.56 | 0.24 | 0.15 | 0.12 | 0.05 | 0.00 | | |
| 21 | 0.10 | 3.63 | 0.86 | 0.21 | 0.17 | 0.42 | 0.59 | 0.23 | 0.14 | 0.11 | 0.05 | 0.00 | | |
| 22 | 0.10 | 0.84 | 0.96 | 0.20 | 0.15 | 0.41 | 0.61 | 0.23 | 0.13 | 0.11 | 0.05 | 0.00 | | |
| 23 | 0.10 | 0.49 | 0.54 | 0.18 | 0.15 | 0.40 | 0.61 | 0.21 | 0.12 | 0.10 | 0.05 | 0.00 | | |
| 24 | 0.10 | 0.13 | 0.19 | 0.16 | 0.14 | 0.40 | 0.59 | 0.24 | 0.12 | 0.10 | 0.05 | 0.05 | | |
| 25 | 0.10 | 0.54 | 0.61 | 0.19 | 0.14 | 0.40 | 0.59 | 0.24 | 0.12 | 0.10 | 0.05 | 0.05 | | |
| 26 | 0.11 | 0.43 | 0.79 | 0.18 | 0.14 | 0.40 | 0.59 | 0.23 | 0.10 | 0.10 | 0.05 | 0.04 | | |
| 27 | 0.11 | 0.33 | 0.64 | 0.19 | 0.34 | 1.12 | 0.59 | 0.23 | 0.10 | 0.09 | 0.05 | 0.04 | | |
| 28 | 0.10 | 0.25 | 0.54 | 0.20 | 0.30 | 0.79 | 0.61 | 0.24 | 0.10 | 0.09 | 0.05 | 0.04 | | |
| 29 | 0.10 | 0.24 | 0.43 | 0.27 | 0.30 | 0.45 | 0.66 | 0.24 | 0.11 | 0.09 | | 0.03 | | |
| 30 | 0.10 | 0.24 | 0.36 | 1.20 | 1.20 | 6.32 | 0.71 | 0.24 | 0.10 | 0.08 | | 0.03 | | |
| 31 | | 0.24 | | 0.56 | 1.76 | | 0.74 | | 0.10 | 0.08 | | 0.02 | | |
| Total | 3.29 | 14.68 | 11.48 | 10.14 | 9.37 | 27.10 | 26.12 | 11.78 | 5.20 | 2.85 | 1.28 | 0.77 | 124.06 | CMSDAY |
| Mean | 0.11 | 0.47 | 0.38 | 0.33 | 0.30 | 0.90 | 0.84 | 0.39 | 0.17 | 0.09 | 0.05 | 0.02 | 0.34 | CMS |
| Max | 0.13 | 3.63 | 1.44 | 1.20 | 1.76 | 6.32 | 1.98 | 0.76 | 0.24 | 0.12 | 0.07 | 0.05 | 6.32 | CMS |
| Min | 0.10 | 0.09 | 0.00 | 0.16 | 0.14 | 0.40 | 0.56 | 0.21 | 0.10 | 0.06 | 0.01 | 0.00 | 0.00 | CMS |
| Runoff | 0.28 | 1.27 | 0.99 | 0.88 | 0.81 | 2.34 | 2.26 | 1.02 | 0.45 | 0.25 | 0.11 | 0.07 | 10.72 | MCM |

Momentary Peak 6.53 CMS. at 4.05 m. (MSL.) at 09.00 Hours , on Sep 30, 2006

Runoff Yield 59.21 Liters/Second/Square KM. Momentary Peak Yield 1137.63 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Kapong at Ban Tha Na , Phang Nga (X.196)

Lat 08 - 42 - 02 N Long 98 - 24 - 42 E

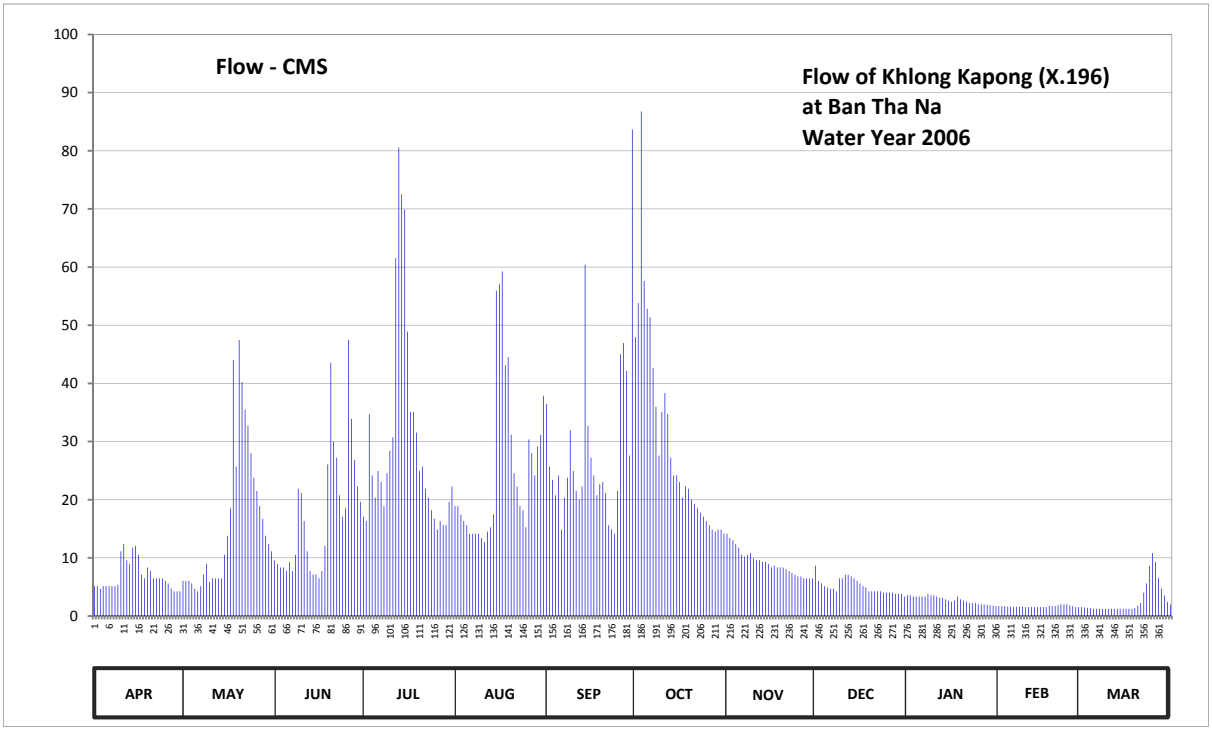
**Location : on left bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Tha Na | **Amphoe** Kapong | **Changwat** Phang Nga |
| **Drainge Area** | 139 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | **Elevation** | +20.010 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 1999 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Fairly stable by some scouring. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 28 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.94 | 15.98 | 16.10 | 16.32 | 16.37 | 16.82 | 17.06 | 16.24 | 16.07 | 15.87 | 15.76 | 15.74 | |
| 2 | 15.94 | 15.98 | 16.08 | 16.30 | 16.37 | 16.55 | 17.18 | 16.22 | 15.98 | 15.87 | 15.76 | 15.73 | |
| 3 | 15.92 | 15.98 | 16.06 | 16.78 | 16.33 | 16.49 | 17.70 | 16.21 | 15.96 | 15.86 | 15.76 | 15.72 | |
| 4 | 15.94 | 15.96 | 16.06 | 16.51 | 16.30 | 16.42 | 17.25 | 16.19 | 15.94 | 15.86 | 15.75 | 15.72 | |
| 5 | 15.94 | 15.92 | 16.04 | 16.41 | 16.28 | 16.51 | 17.16 | 16.17 | 15.93 | 15.86 | 15.75 | 15.70 | |
| 6 | 15.94 | 15.90 | 16.09 | 16.53 | 16.24 | 16.26 | 17.13 | 16.13 | 15.92 | 15.86 | 15.75 | 15.70 | |
| 7 | 15.94 | 15.94 | 16.04 | 16.48 | 16.24 | 16.41 | 16.95 | 16.12 | 15.92 | 15.86 | 15.75 | 15.70 | |
| 8 | 15.94 | 16.02 | 16.13 | 16.37 | 16.24 | 16.50 | 16.81 | 16.13 | 15.90 | 15.88 | 15.75 | 15.70 | |
| 9 | 15.95 | 16.08 | 16.45 | 16.52 | 16.24 | 16.71 | 16.60 | 16.14 | 16.00 | 15.87 | 15.75 | 15.70 | |
| 10 | 16.15 | 15.97 | 16.43 | 16.62 | 16.22 | 16.53 | 16.79 | 16.11 | 16.00 | 15.87 | 15.74 | 15.70 | |
| 11 | 16.19 | 16.00 | 16.30 | 16.68 | 16.20 | 16.44 | 16.86 | 16.10 | 16.02 | 15.86 | 15.74 | 15.70 | |
| 12 | 16.10 | 16.00 | 16.15 | 17.32 | 16.25 | 16.40 | 16.78 | 16.10 | 16.02 | 15.85 | 15.74 | 15.70 | |
| 13 | 16.08 | 16.00 | 16.04 | 17.62 | 16.27 | 16.46 | 16.59 | 16.09 | 16.01 | 15.85 | 15.74 | 15.70 | |
| 14 | 16.17 | 16.00 | 16.02 | 17.50 | 16.33 | 17.30 | 16.51 | 16.09 | 16.00 | 15.84 | 15.74 | 15.70 | |
| 15 | 16.18 | 16.13 | 16.02 | 17.46 | 17.22 | 16.73 | 16.51 | 16.08 | 15.98 | 15.83 | 15.74 | 15.70 | |
| 16 | 16.13 | 16.23 | 16.00 | 17.08 | 17.24 | 16.59 | 16.48 | 16.06 | 15.96 | 15.82 | 15.74 | 15.70 | |
| 17 | 16.02 | 16.36 | 16.04 | 16.79 | 17.28 | 16.51 | 16.41 | 16.07 | 15.94 | 15.83 | 15.74 | 15.70 | |
| 18 | 16.00 | 16.98 | 16.18 | 16.79 | 16.96 | 16.42 | 16.46 | 16.06 | 15.93 | 15.86 | 15.77 | 15.70 | |
| 19 | 16.06 | 16.55 | 16.56 | 16.70 | 16.99 | 16.47 | 16.45 | 16.06 | 15.90 | 15.84 | 15.76 | 15.72 | |
| 20 | 16.04 | 17.05 | 16.97 | 16.53 | 16.69 | 16.48 | 16.40 | 16.06 | 15.90 | 15.83 | 15.76 | 15.77 | |
| 21 | 16.00 | 16.90 | 16.66 | 16.55 | 16.52 | 16.43 | 16.38 | 16.05 | 15.90 | 15.82 | 15.78 | 15.81 | |
| 22 | 16.00 | 16.80 | 16.59 | 16.45 | 16.46 | 16.28 | 16.36 | 16.04 | 15.90 | 15.81 | 15.80 | 15.89 | |
| 23 | 16.00 | 16.73 | 16.42 | 16.41 | 16.37 | 16.26 | 16.34 | 16.03 | 15.90 | 15.81 | 15.80 | 15.96 | |
| 24 | 16.00 | 16.61 | 16.32 | 16.35 | 16.35 | 16.24 | 16.32 | 16.02 | 15.89 | 15.81 | 15.80 | 16.07 | |
| 25 | 15.98 | 16.50 | 16.36 | 16.31 | 16.27 | 16.44 | 16.30 | 16.01 | 15.89 | 15.80 | 15.78 | 16.14 | |
| 26 | 15.96 | 16.44 | 17.05 | 16.26 | 16.67 | 17.00 | 16.28 | 16.01 | 15.89 | 15.80 | 15.76 | 16.09 | |
| 27 | 15.92 | 16.37 | 16.76 | 16.30 | 16.61 | 17.04 | 16.26 | 16.00 | 15.89 | 15.80 | 15.74 | 16.00 | |
| 28 | 15.90 | 16.31 | 16.58 | 16.28 | 16.51 | 16.94 | 16.25 | 16.00 | 15.88 | 15.79 | 15.74 | 15.92 | |
| 29 | 15.90 | 16.23 | 16.46 | 16.28 | 16.64 | 16.60 | 16.26 | 16.00 | 15.88 | 15.78 | | 15.87 | |
| 30 | 15.90 | 16.19 | 16.39 | 16.39 | 16.69 | 17.66 | 16.26 | 16.00 | 15.88 | 15.77 | | 15.82 | |
| 31 | | 16.15 | | 16.46 | 16.85 | | 16.24 | | 15.86 | 15.76 | | 15.80 | |
| Mean | 16.00 | 16.27 | 16.31 | 16.62 | 16.52 | 16.60 | 16.62 | 16.09 | 15.94 | 15.83 | 15.76 | 15.79 | |
| Max | 16.19 | 17.05 | 17.05 | 17.62 | 17.28 | 17.66 | 17.70 | 16.24 | 16.07 | 15.88 | 15.80 | 16.14 | 17.70 |
| Min | 15.90 | 15.90 | 16.00 | 16.26 | 16.20 | 16.24 | 16.24 | 16.00 | 15.86 | 15.76 | 15.74 | 15.70 | 15.70 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 17.90 | m. (MSL.) , | at 18.00 Hours , on Oct 2, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 14.97 | m. (MSL.) |
| Left Bank Elevation | 19.92 | m. (MSL.) , | | | |
| Right Bank Elevation | 19.90 | m. (MSL.) , | Drainage Are | 139 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.15 | 6.05 | 9.60 | 17.08 | 18.91 | 36.45 | 47.94 | 14.16 | 8.67 | 3.58 | 1.70 | 1.55 | | |
| 2 | 5.15 | 6.05 | 8.98 | 16.35 | 18.91 | 25.70 | 53.82 | 13.43 | 6.05 | 3.58 | 1.70 | 1.48 | | |
| 3 | 4.70 | 6.05 | 8.36 | 34.71 | 17.45 | 23.42 | 86.75 | 13.07 | 5.60 | 3.35 | 1.70 | 1.40 | | |
| 4 | 5.15 | 5.60 | 8.36 | 24.18 | 16.35 | 20.76 | 57.60 | 12.39 | 5.15 | 3.35 | 1.63 | 1.40 | | |
| 5 | 5.15 | 4.70 | 7.74 | 20.38 | 15.62 | 24.18 | 52.84 | 11.77 | 4.93 | 3.35 | 1.63 | 1.25 | | |
| 6 | 5.15 | 4.25 | 9.29 | 24.94 | 14.16 | 14.89 | 51.37 | 10.53 | 4.70 | 3.35 | 1.63 | 1.25 | | |
| 7 | 5.15 | 5.15 | 7.74 | 23.04 | 14.16 | 20.38 | 42.63 | 10.22 | 4.70 | 3.35 | 1.63 | 1.25 | | |
| 8 | 5.15 | 7.12 | 10.53 | 18.91 | 14.16 | 23.80 | 35.98 | 10.53 | 4.25 | 3.80 | 1.63 | 1.25 | | |
| 9 | 5.38 | 8.98 | 21.90 | 24.56 | 14.16 | 31.95 | 27.60 | 10.84 | 6.50 | 3.58 | 1.63 | 1.25 | | |
| 10 | 11.15 | 5.83 | 21.14 | 28.39 | 13.43 | 24.94 | 35.11 | 9.91 | 6.50 | 3.58 | 1.55 | 1.25 | | |
| 11 | 12.39 | 6.50 | 16.35 | 30.76 | 12.70 | 21.52 | 38.35 | 9.60 | 7.12 | 3.35 | 1.55 | 1.25 | | |
| 12 | 9.60 | 6.50 | 11.15 | 61.52 | 14.53 | 20.00 | 34.71 | 9.60 | 7.12 | 3.13 | 1.55 | 1.25 | | |
| 13 | 8.98 | 6.50 | 7.74 | 80.55 | 15.26 | 22.28 | 27.22 | 9.29 | 6.81 | 3.13 | 1.55 | 1.25 | | |
| 14 | 11.77 | 6.50 | 7.12 | 72.50 | 17.45 | 60.40 | 24.18 | 9.29 | 6.50 | 2.90 | 1.55 | 1.25 | | |
| 15 | 12.08 | 10.53 | 7.12 | 69.90 | 55.92 | 32.74 | 24.18 | 8.98 | 6.05 | 2.68 | 1.55 | 1.25 | | |
| 16 | 10.53 | 13.80 | 6.50 | 48.92 | 57.04 | 27.22 | 23.04 | 8.36 | 5.60 | 2.45 | 1.55 | 1.25 | | |
| 17 | 7.12 | 18.54 | 7.74 | 35.11 | 59.28 | 24.18 | 20.38 | 8.67 | 5.15 | 2.68 | 1.55 | 1.25 | | |
| 18 | 6.50 | 44.05 | 12.08 | 35.11 | 43.10 | 20.76 | 22.28 | 8.36 | 4.93 | 3.35 | 1.78 | 1.25 | | |
| 19 | 8.36 | 25.70 | 26.08 | 31.55 | 44.53 | 22.66 | 21.90 | 8.36 | 4.25 | 2.90 | 1.70 | 1.40 | | |
| 20 | 7.74 | 47.45 | 43.58 | 24.94 | 31.16 | 23.04 | 20.00 | 8.36 | 4.25 | 2.68 | 1.70 | 1.78 | | |
| 21 | 6.50 | 40.25 | 29.97 | 25.70 | 24.56 | 21.14 | 19.27 | 8.05 | 4.25 | 2.45 | 1.85 | 2.23 | | |
| 22 | 6.50 | 35.50 | 27.22 | 21.90 | 22.28 | 15.62 | 18.54 | 7.74 | 4.25 | 2.23 | 2.00 | 4.03 | | |
| 23 | 6.50 | 32.74 | 20.76 | 20.38 | 18.91 | 14.89 | 17.81 | 7.43 | 4.25 | 2.23 | 2.00 | 5.60 | | |
| 24 | 6.50 | 28.00 | 17.08 | 18.18 | 18.18 | 14.16 | 17.08 | 7.12 | 4.03 | 2.23 | 2.00 | 8.67 | | |
| 25 | 6.05 | 23.80 | 18.54 | 16.72 | 15.26 | 21.52 | 16.35 | 6.81 | 4.03 | 2.00 | 1.85 | 10.84 | | |
| 26 | 5.60 | 21.52 | 47.45 | 14.89 | 30.37 | 45.00 | 15.62 | 6.81 | 4.03 | 2.00 | 1.70 | 9.29 | | |
| 27 | 4.70 | 18.91 | 33.92 | 16.35 | 28.00 | 46.96 | 14.89 | 6.50 | 4.03 | 2.00 | 1.55 | 6.50 | | |
| 28 | 4.25 | 16.72 | 26.84 | 15.62 | 24.18 | 42.15 | 14.53 | 6.50 | 3.80 | 1.93 | 1.55 | 4.70 | | |
| 29 | 4.25 | 13.80 | 22.28 | 15.62 | 29.18 | 27.60 | 14.89 | 6.50 | 3.80 | 1.85 | | 3.58 | | |
| 30 | 4.25 | 12.39 | 19.64 | 19.64 | 31.16 | 83.65 | 14.89 | 6.50 | 3.80 | 1.78 | | 2.45 | | |
| 31 | | 11.15 | | 22.28 | 37.88 | | 14.16 | | 3.35 | 1.70 | | 2.00 | | |
| Total | 207.45 | 500.63 | 522.80 | 930.68 | 788.24 | 853.96 | 925.91 | 275.68 | 158.45 | 86.52 | 46.96 | 86.40 | 5383.68 | CMSDAY |
| Mean | 6.91 | 16.15 | 17.43 | 30.02 | 25.43 | 28.47 | 29.87 | 9.19 | 5.11 | 2.79 | 1.68 | 2.79 | 14.75 | CMS |
| Max | 12.39 | 47.45 | 47.45 | 80.55 | 59.28 | 83.65 | 86.75 | 14.16 | 8.67 | 3.80 | 2.00 | 10.84 | 86.75 | CMS |
| Min | 4.25 | 4.25 | 6.50 | 14.89 | 12.70 | 14.16 | 14.16 | 6.50 | 3.35 | 1.70 | 1.55 | 1.25 | 1.25 | CMS |
| Runoff | 17.92 | 43.25 | 45.17 | 80.41 | 68.10 | 73.78 | 80.00 | 23.82 | 13.69 | 7.48 | 4.06 | 7.46 | 465.15 | MCM |

Momentary Peak 103.75 CMS. at 17.90 m. (MSL.) at 18.00 Hours , on Oct 2, 2006

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Had Sompan at Ban Hat Sompan, Ranong (X.204)

Lat 09 - 56 - 57 N Long 98 - 41 - 46 E

**Location : on left bank at Ban Hat Sompan.**

**Ban** Had Sompan **Amphoe** Mueang **Changwat** Ranong

| | |
|---|---|
| **Drainge Area** | 23 sq.km. |
| **Type of Gage** | Water - stage recorder. |
| **Zero Gage at Bottom** | +133.050 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the top staff gage. **Elevation** +137.648 m. (MSL.) |
| **Gage Reading Frequency** | Recording. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings |
| **Period of Available Gage Records** | 2004 to date |
| **Rating Operation** | |
| **Period of Rating** | 2004 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2004 to date |
| **Stability of Channel Regimes** | Fairly stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

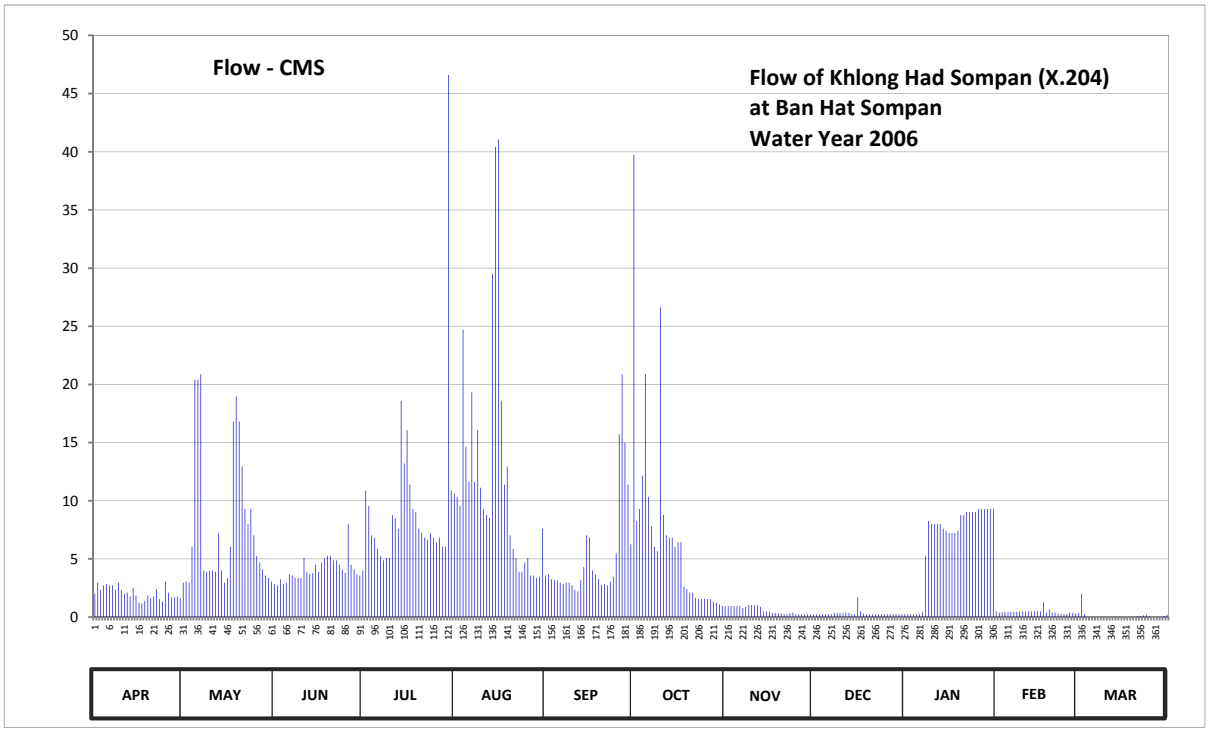
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 133.60 | 133.69 | 133.68 | 133.79 | 134.10 | 133.75 | 134.75 | 133.46 | 133.35 | 133.35 | 133.40 | 133.37 | |
| 2 | 133.69 | 133.70 | 133.67 | 134.11 | 134.09 | 133.76 | 134.01 | 133.46 | 133.35 | 133.35 | 133.38 | 133.60 | |
| 3 | 133.63 | 133.69 | 133.72 | 134.06 | 134.06 | 133.72 | 134.05 | 133.46 | 133.35 | 133.35 | 133.38 | 133.35 | |
| 4 | 133.67 | 133.90 | 133.68 | 133.95 | 134.49 | 133.71 | 134.16 | 133.46 | 133.35 | 133.35 | 133.39 | 133.25 | |
| 5 | 133.68 | 134.40 | 133.69 | 133.94 | 134.24 | 133.71 | 134.41 | 133.46 | 133.35 | 133.35 | 133.39 | 133.25 | |
| 6 | 133.67 | 134.40 | 133.76 | 133.89 | 134.14 | 133.69 | 134.09 | 133.46 | 133.35 | 133.35 | 133.39 | 133.25 | |
| 7 | 133.67 | 134.41 | 133.75 | 133.86 | 134.37 | 133.68 | 133.99 | 133.44 | 133.35 | 133.39 | 133.39 | 133.25 | |
| 8 | 133.63 | 133.79 | 133.73 | 133.84 | 134.14 | 133.69 | 133.90 | 133.45 | 133.37 | 133.86 | 133.39 | 133.26 | |
| 9 | 133.69 | 133.78 | 133.73 | 133.85 | 134.28 | 133.69 | 133.88 | 133.47 | 133.37 | 134.01 | 133.40 | 133.26 | |
| 10 | 133.63 | 133.79 | 133.73 | 133.85 | 134.12 | 133.67 | 134.53 | 133.47 | 133.37 | 134.00 | 133.40 | 133.26 | |
| 11 | 133.60 | 133.79 | 133.85 | 134.03 | 134.05 | 133.63 | 134.03 | 133.47 | 133.37 | 134.00 | 133.40 | 133.26 | |
| 12 | 133.61 | 133.78 | 133.78 | 134.02 | 134.03 | 133.62 | 133.95 | 133.47 | 133.38 | 134.00 | 133.40 | 133.26 | |
| 13 | 133.57 | 133.96 | 133.76 | 133.98 | 134.02 | 133.71 | 133.94 | 133.45 | 133.37 | 134.00 | 133.40 | 133.26 | |
| 14 | 133.65 | 133.79 | 133.77 | 134.35 | 134.59 | 133.81 | 133.94 | 133.40 | 133.35 | 133.98 | 133.40 | 133.29 | |
| 15 | 133.58 | 133.69 | 133.82 | 134.20 | 134.76 | 133.95 | 133.90 | 133.40 | 133.35 | 133.97 | 133.40 | 133.27 | |
| 16 | 133.50 | 133.73 | 133.78 | 134.28 | 134.77 | 133.94 | 133.92 | 133.39 | 133.56 | 133.96 | 133.40 | 133.27 | |
| 17 | 133.49 | 133.90 | 133.83 | 134.13 | 134.35 | 133.79 | 133.92 | 133.37 | 133.40 | 133.96 | 133.50 | 133.27 | |
| 18 | 133.52 | 134.30 | 133.85 | 134.05 | 134.13 | 133.76 | 133.66 | 133.37 | 133.36 | 133.96 | 133.38 | 133.27 | |
| 19 | 133.58 | 134.36 | 133.86 | 134.04 | 134.19 | 133.72 | 133.64 | 133.37 | 133.35 | 133.97 | 133.42 | 133.29 | |
| 20 | 133.55 | 134.30 | 133.86 | 133.98 | 133.95 | 133.67 | 133.61 | 133.36 | 133.35 | 134.03 | 133.38 | 133.30 | |
| 21 | 133.57 | 134.19 | 133.84 | 133.96 | 133.89 | 133.68 | 133.61 | 133.35 | 133.35 | 134.03 | 133.38 | 133.32 | |
| 22 | 133.64 | 134.05 | 133.84 | 133.94 | 133.85 | 133.67 | 133.55 | 133.35 | 133.35 | 134.04 | 133.36 | 133.32 | |
| 23 | 133.54 | 134.00 | 133.82 | 133.93 | 133.78 | 133.70 | 133.54 | 133.37 | 133.35 | 134.04 | 133.35 | 133.33 | |
| 24 | 133.51 | 134.05 | 133.80 | 133.96 | 133.78 | 133.74 | 133.54 | 133.38 | 133.35 | 134.04 | 133.35 | 133.34 | |
| 25 | 133.70 | 133.95 | 133.77 | 133.94 | 133.83 | 133.87 | 133.54 | 133.35 | 133.35 | 134.04 | 133.35 | 133.31 | |
| 26 | 133.61 | 133.86 | 134.00 | 133.92 | 133.85 | 134.27 | 133.54 | 133.35 | 133.35 | 134.05 | 133.37 | 133.25 | |
| 27 | 133.56 | 133.83 | 133.82 | 133.94 | 133.75 | 134.41 | 133.54 | 133.35 | 133.35 | 134.05 | 133.37 | 133.25 | |
| 28 | 133.56 | 133.80 | 133.80 | 133.90 | 133.75 | 134.25 | 133.51 | 133.35 | 133.35 | 134.05 | 133.36 | 133.25 | |
| 29 | 133.57 | 133.75 | 133.76 | 133.90 | 133.73 | 134.13 | 133.50 | 133.35 | 133.35 | 134.05 | | 133.25 | |
| 30 | 133.55 | 133.73 | 133.75 | 134.84 | 133.74 | 133.91 | 133.48 | 133.35 | 133.35 | 134.05 | | 133.32 | |
| 31 | | 133.70 | | 134.11 | 133.98 | | 133.46 | | 133.35 | 134.05 | | 133.34 | |
| Mean | 133.60 | 133.94 | 133.78 | 134.02 | 134.09 | 133.81 | 133.84 | 133.41 | 133.36 | 133.86 | 133.39 | 133.29 | |
| Max | 133.70 | 134.41 | 134.00 | 134.84 | 134.77 | 134.41 | 134.75 | 133.47 | 133.56 | 134.05 | 133.50 | 133.60 | 134.84 |
| Min | 133.49 | 133.69 | 133.67 | 133.79 | 133.73 | 133.62 | 133.46 | 133.35 | 133.35 | 133.35 | 133.35 | 133.25 | 133.25 |

Annual Max Momentary Gage Height 135.45 m. (MSL.) , at 09.00 Hours , on Oct 1 , 2006

Zero Gage at Bottom Elevation 133.05 m. (MSL.) , River Bed 133.34 m. (MSL.)

Left Bank Elevation 137.62 m. (MSL.) ,

Right Bank Elevation 137.61 m. (MSL.) , Drainage Are 23 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.00 | 2.95 | 2.84 | 4.00 | 10.60 | 3.58 | 39.75 | 0.95 | 0.25 | 0.25 | 0.50 | 0.35 | | |
| 2 | 2.95 | 3.05 | 2.74 | 10.86 | 10.34 | 3.68 | 8.26 | 0.95 | 0.25 | 0.25 | 0.40 | 2.00 | | |
| 3 | 2.32 | 2.95 | 3.26 | 9.56 | 9.56 | 3.26 | 9.30 | 0.95 | 0.25 | 0.25 | 0.40 | 0.25 | | |
| 4 | 2.74 | 6.05 | 2.84 | 7.03 | 24.72 | 3.16 | 12.16 | 0.95 | 0.25 | 0.25 | 0.45 | 0.00 | | |
| 5 | 2.84 | 20.40 | 2.95 | 6.83 | 14.64 | 3.16 | 20.88 | 0.95 | 0.25 | 0.25 | 0.45 | 0.00 | | |
| 6 | 2.74 | 20.40 | 3.68 | 5.86 | 11.64 | 2.95 | 10.34 | 0.95 | 0.25 | 0.25 | 0.45 | 0.00 | | |
| 7 | 2.74 | 20.88 | 3.58 | 5.27 | 19.32 | 2.84 | 7.81 | 0.80 | 0.25 | 0.45 | 0.45 | 0.00 | | |
| 8 | 2.32 | 4.00 | 3.37 | 4.88 | 11.64 | 2.95 | 6.05 | 0.88 | 0.35 | 5.27 | 0.45 | 0.00 | | |
| 9 | 2.95 | 3.89 | 3.37 | 5.08 | 16.08 | 2.95 | 5.66 | 1.03 | 0.35 | 8.26 | 0.50 | 0.00 | | |
| 10 | 2.32 | 4.00 | 3.37 | 5.08 | 11.12 | 2.74 | 26.64 | 1.03 | 0.35 | 8.00 | 0.50 | 0.00 | | |
| 11 | 2.00 | 4.00 | 5.08 | 8.78 | 9.30 | 2.32 | 8.78 | 1.03 | 0.35 | 8.00 | 0.50 | 0.00 | | |
| 12 | 2.11 | 3.89 | 3.89 | 8.52 | 8.78 | 2.21 | 7.03 | 1.03 | 0.40 | 8.00 | 0.50 | 0.00 | | |
| 13 | 1.78 | 7.22 | 3.68 | 7.61 | 8.52 | 3.16 | 6.83 | 0.88 | 0.35 | 8.00 | 0.50 | 0.00 | | |
| 14 | 2.53 | 4.00 | 3.79 | 18.60 | 29.52 | 4.30 | 6.83 | 0.50 | 0.25 | 7.61 | 0.50 | 0.00 | | |
| 15 | 1.85 | 2.95 | 4.49 | 13.20 | 40.40 | 7.03 | 6.05 | 0.50 | 0.25 | 7.42 | 0.50 | 0.00 | | |
| 16 | 1.25 | 3.37 | 3.89 | 16.08 | 41.05 | 6.83 | 6.44 | 0.45 | 1.70 | 7.22 | 0.50 | 0.00 | | |
| 17 | 1.18 | 6.05 | 4.69 | 11.38 | 18.60 | 4.00 | 6.44 | 0.35 | 0.50 | 7.22 | 1.25 | 0.00 | | |
| 18 | 1.40 | 16.80 | 5.08 | 9.30 | 11.38 | 3.68 | 2.63 | 0.35 | 0.30 | 7.22 | 0.40 | 0.00 | | |
| 19 | 1.85 | 18.96 | 5.27 | 9.04 | 12.94 | 3.26 | 2.42 | 0.35 | 0.25 | 7.42 | 0.65 | 0.00 | | |
| 20 | 1.63 | 16.80 | 5.27 | 7.61 | 7.03 | 2.74 | 2.11 | 0.30 | 0.25 | 8.78 | 0.40 | 0.00 | | |
| 21 | 1.78 | 12.94 | 4.88 | 7.22 | 5.86 | 2.84 | 2.11 | 0.25 | 0.25 | 8.78 | 0.40 | 0.10 | | |
| 22 | 2.42 | 9.30 | 4.88 | 6.83 | 5.08 | 2.74 | 1.63 | 0.25 | 0.25 | 9.04 | 0.30 | 0.10 | | |
| 23 | 1.55 | 8.00 | 4.49 | 6.64 | 3.89 | 3.05 | 1.55 | 0.35 | 0.25 | 9.04 | 0.25 | 0.15 | | |
| 24 | 1.33 | 9.30 | 4.10 | 7.22 | 3.89 | 3.47 | 1.55 | 0.40 | 0.25 | 9.04 | 0.25 | 0.20 | | |
| 25 | 3.05 | 7.03 | 3.79 | 6.83 | 4.69 | 5.47 | 1.55 | 0.25 | 0.25 | 9.04 | 0.25 | 0.05 | | |
| 26 | 2.11 | 5.27 | 8.00 | 6.44 | 5.08 | 15.72 | 1.55 | 0.25 | 0.25 | 9.30 | 0.35 | 0.00 | | |
| 27 | 1.70 | 4.69 | 4.49 | 6.83 | 3.58 | 20.88 | 1.55 | 0.25 | 0.25 | 9.30 | 0.35 | 0.00 | | |
| 28 | 1.70 | 4.10 | 4.10 | 6.05 | 3.58 | 15.00 | 1.33 | 0.25 | 0.25 | 9.30 | 0.30 | 0.00 | | |
| 29 | 1.78 | 3.58 | 3.68 | 6.05 | 3.37 | 11.38 | 1.25 | 0.25 | 0.25 | 9.30 | | 0.00 | | |
| 30 | 1.63 | 3.37 | 3.58 | 46.60 | 3.47 | 6.25 | 1.10 | 0.25 | 0.25 | 9.30 | | 0.10 | | |
| 31 | | 3.05 | | 10.86 | 7.61 | | 0.95 | | 0.25 | 9.30 | | 0.20 | | |
| Total | 62.55 | 243.24 | 123.12 | 292.14 | 377.28 | 157.60 | 218.53 | 17.93 | 10.15 | 201.11 | 12.70 | 3.50 | 1719.85 | CMSDAY |
| Mean | 2.08 | 7.85 | 4.10 | 9.42 | 12.17 | 5.25 | 7.05 | 0.60 | 0.33 | 6.49 | 0.45 | 0.11 | 4.71 | CMS |
| Max | 3.05 | 20.88 | 8.00 | 46.60 | 41.05 | 20.88 | 39.75 | 1.03 | 1.70 | 9.30 | 1.25 | 2.00 | 46.60 | CMS |
| Min | 1.18 | 2.95 | 2.74 | 4.00 | 3.37 | 2.21 | 0.95 | 0.25 | 0.25 | 0.25 | 0.25 | 0.00 | 0.00 | CMS |
| Runoff | 5.40 | 21.02 | 10.64 | 25.24 | 32.60 | 13.62 | 18.88 | 1.55 | 0.88 | 17.38 | 1.10 | 0.30 | 148.60 | MCM |

Momentary Peak 121.40 CMS. at 135.45 m. (MSL.) at 09.00 Hours , on Oct 1 , 2006

Runoff Yield 204.16 Liters/Second/Square KM. Momentary Peak Yield 5259.97 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong La - Un at Ban La - Un Tai, Ranong (X.205)

Lat 10 - 06 - 33 N Long 98 - 45 - 46 E

**Location : on left bank at Ban La - Un.**

| | | | |
|---|---|---|---|
| | **Ban** La - Un Tai | **Amphoe** La - Un | **Changwat** Ranong |
| **Drainge Area** | 229 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | **Elevation** | +6.423 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Rather unstable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

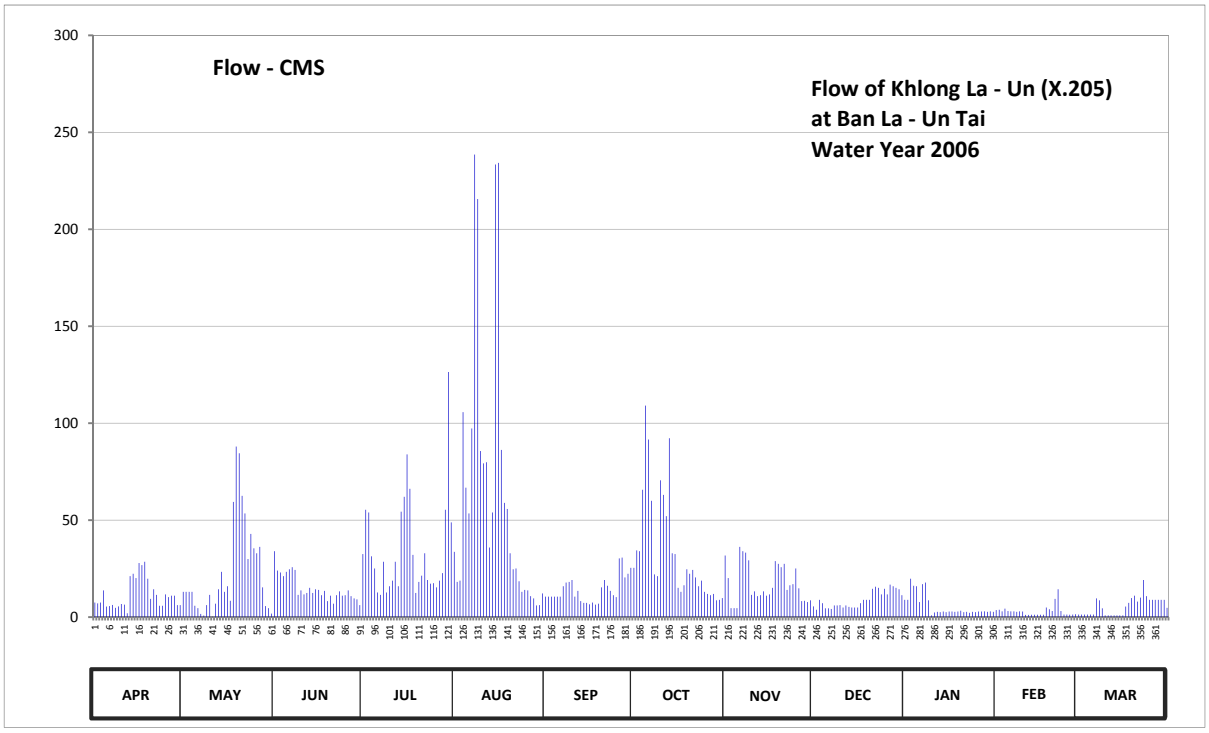
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.80 | 1.03 | 1.68 | 1.64 | 1.67 | 0.93 | 1.44 | 1.62 | 0.67 | 0.86 | 0.54 | 0.38 | |
| 2 | 0.77 | 1.03 | 1.40 | 2.19 | 1.22 | 0.93 | 1.69 | 1.28 | 0.55 | 0.86 | 0.55 | 0.38 | |
| 3 | 0.80 | 1.03 | 1.37 | 2.16 | 1.24 | 0.93 | 1.68 | 0.61 | 0.86 | 1.27 | 0.50 | 0.38 | |
| 4 | 1.06 | 1.03 | 1.31 | 1.61 | 3.07 | 0.93 | 2.39 | 0.61 | 0.78 | 1.15 | 0.59 | 0.38 | |
| 5 | 0.66 | 0.69 | 1.38 | 1.43 | 2.41 | 0.93 | 3.12 | 0.61 | 0.60 | 1.14 | 0.51 | 0.38 | |
| 6 | 0.68 | 0.61 | 1.42 | 1.02 | 2.15 | 0.93 | 2.85 | 1.74 | 0.60 | 0.81 | 0.50 | 0.38 | |
| 7 | 0.72 | 0.41 | 1.45 | 0.97 | 2.94 | 1.14 | 2.28 | 1.68 | 0.58 | 1.18 | 0.50 | 0.89 | |
| 8 | 0.62 | 0.31 | 1.41 | 1.53 | 4.79 | 1.21 | 1.34 | 1.66 | 0.70 | 1.21 | 0.48 | 0.85 | |
| 9 | 0.67 | 0.71 | 0.97 | 1.02 | 4.52 | 1.22 | 1.31 | 1.55 | 0.70 | 0.85 | 0.50 | 0.60 | |
| 10 | 0.75 | 0.97 | 1.06 | 1.14 | 2.75 | 1.25 | 2.48 | 0.97 | 0.71 | 0.32 | 0.49 | 0.32 | |
| 11 | 0.73 | 0.23 | 0.98 | 1.24 | 2.64 | 0.93 | 2.34 | 1.04 | 0.63 | 0.46 | 0.35 | 0.32 | |
| 12 | 0.43 | 0.76 | 1.01 | 1.53 | 2.65 | 1.05 | 2.12 | 0.94 | 0.70 | 0.48 | 0.35 | 0.32 | |
| 13 | 1.31 | 1.08 | 1.11 | 1.14 | 1.73 | 0.83 | 2.86 | 0.96 | 0.65 | 0.47 | 0.36 | 0.32 | |
| 14 | 1.35 | 1.38 | 1.01 | 2.17 | 2.16 | 0.79 | 1.65 | 1.04 | 0.63 | 0.49 | 0.36 | 0.32 | |
| 15 | 1.28 | 1.03 | 1.08 | 2.32 | 4.73 | 0.79 | 1.64 | 0.95 | 0.63 | 0.47 | 0.36 | 0.32 | |
| 16 | 1.51 | 1.14 | 1.07 | 2.72 | 4.74 | 0.74 | 1.11 | 0.98 | 0.63 | 0.49 | 0.36 | 0.32 | |
| 17 | 1.48 | 0.84 | 0.96 | 2.40 | 2.76 | 0.80 | 1.03 | 1.11 | 0.78 | 0.49 | 0.36 | 0.66 | |
| 18 | 1.53 | 2.27 | 1.05 | 1.63 | 2.26 | 0.73 | 1.16 | 1.54 | 0.86 | 0.48 | 0.63 | 0.79 | |
| 19 | 1.27 | 2.79 | 0.83 | 1.01 | 2.20 | 0.76 | 1.42 | 1.50 | 0.86 | 0.49 | 0.57 | 0.90 | |
| 20 | 0.88 | 2.73 | 0.95 | 1.22 | 1.65 | 1.12 | 1.35 | 1.45 | 0.86 | 0.52 | 0.51 | 0.95 | |
| 21 | 1.08 | 2.33 | 0.76 | 1.32 | 1.42 | 1.25 | 1.41 | 1.50 | 1.09 | 0.47 | 0.88 | 0.82 | |
| 22 | 0.97 | 2.15 | 0.96 | 1.65 | 1.43 | 1.15 | 1.29 | 1.07 | 1.13 | 0.48 | 1.08 | 0.91 | |
| 23 | 0.69 | 1.57 | 1.04 | 1.25 | 1.23 | 1.05 | 1.14 | 1.16 | 1.11 | 0.45 | 0.51 | 1.25 | |
| 24 | 0.69 | 1.91 | 0.95 | 1.19 | 1.03 | 0.96 | 1.24 | 1.18 | 0.98 | 0.48 | 0.38 | 0.94 | |
| 25 | 0.98 | 1.72 | 0.96 | 1.20 | 1.07 | 0.92 | 1.03 | 1.43 | 1.09 | 0.47 | 0.38 | 0.86 | |
| 26 | 0.92 | 1.65 | 1.06 | 1.12 | 1.06 | 1.58 | 0.99 | 1.10 | 0.98 | 0.49 | 0.36 | 0.86 | |
| 27 | 0.95 | 1.74 | 0.94 | 1.24 | 0.94 | 1.59 | 0.96 | 0.83 | 1.17 | 0.49 | 0.37 | 0.86 | |
| 28 | 0.95 | 1.12 | 0.89 | 1.36 | 0.89 | 1.29 | 0.99 | 0.84 | 1.14 | 0.50 | 0.40 | 0.86 | |
| 29 | 0.71 | 0.68 | 0.87 | 2.19 | 0.70 | 1.35 | 0.85 | 0.81 | 1.11 | 0.48 | | 0.86 | |
| 30 | 0.71 | 0.61 | 0.71 | 3.37 | 0.71 | 1.44 | 0.86 | 0.85 | 1.08 | 0.50 | | 0.86 | |
| 31 | | 0.42 | | 2.05 | 1.00 | | 0.90 | | 0.96 | 0.48 | | 0.62 | |
| Mean | 0.93 | 1.22 | 1.09 | 1.61 | 2.12 | 1.05 | 1.58 | 1.15 | 0.83 | 0.64 | 0.49 | 0.64 | |
| Max | 1.53 | 2.79 | 1.68 | 3.37 | 4.79 | 1.59 | 3.12 | 1.74 | 1.17 | 1.27 | 1.08 | 1.25 | 4.79 |
| Min | 0.43 | 0.23 | 0.71 | 0.97 | 0.70 | 0.73 | 0.85 | 0.61 | 0.55 | 0.32 | 0.35 | 0.32 | 0.23 |

Annual Max Momentary Gage Height 5.00 m. (MSL.) , at 24.00 Hours , on Aug 15 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed -0.73 m. (MSL.)

Left Bank Elevation 6.51 m. (MSL.) ,

Right Bank Elevation 7.61 m. (MSL.) , Drainage Are 229 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.50 | 13.00 | 34.00 | 32.50 | 33.63 | 10.56 | 25.40 | 31.75 | 5.55 | 8.91 | 3.60 | 1.35 | | |
| 2 | 7.05 | 13.00 | 24.00 | 55.34 | 18.15 | 10.56 | 34.38 | 20.10 | 3.75 | 8.91 | 3.75 | 1.35 | | |
| 3 | 7.50 | 13.00 | 23.03 | 53.94 | 18.80 | 10.56 | 34.00 | 4.65 | 8.91 | 19.78 | 3.00 | 1.35 | | |
| 4 | 13.79 | 13.00 | 21.08 | 31.38 | 105.73 | 10.56 | 65.68 | 4.65 | 7.20 | 16.18 | 4.35 | 1.35 | | |
| 5 | 5.40 | 5.85 | 23.35 | 25.05 | 66.74 | 10.56 | 109.10 | 4.65 | 4.50 | 15.91 | 3.15 | 1.35 | | |
| 6 | 5.70 | 4.65 | 24.70 | 12.73 | 53.48 | 10.56 | 91.63 | 36.25 | 4.50 | 7.74 | 3.00 | 1.35 | | |
| 7 | 6.30 | 1.65 | 25.75 | 11.50 | 97.25 | 15.91 | 59.96 | 34.00 | 4.20 | 16.97 | 3.00 | 9.62 | | |
| 8 | 4.80 | 0.83 | 24.35 | 28.55 | 238.55 | 17.83 | 22.05 | 33.25 | 6.00 | 17.83 | 2.70 | 8.68 | | |
| 9 | 5.55 | 6.15 | 11.50 | 12.73 | 215.60 | 18.15 | 21.08 | 29.25 | 6.00 | 8.68 | 3.00 | 4.50 | | |
| 10 | 6.75 | 11.50 | 13.79 | 15.91 | 85.63 | 19.13 | 70.52 | 11.50 | 6.15 | 0.90 | 2.85 | 0.90 | | |
| 11 | 6.45 | 0.23 | 11.73 | 18.80 | 79.30 | 10.56 | 63.08 | 13.26 | 4.95 | 2.40 | 1.13 | 0.90 | | |
| 12 | 1.95 | 6.90 | 12.47 | 28.55 | 79.88 | 13.53 | 52.08 | 10.79 | 6.00 | 2.70 | 1.13 | 0.90 | | |
| 13 | 21.08 | 14.32 | 15.12 | 15.91 | 35.88 | 8.21 | 92.25 | 11.26 | 5.25 | 2.55 | 1.20 | 0.90 | | |
| 14 | 22.38 | 23.35 | 12.47 | 54.41 | 53.94 | 7.35 | 32.88 | 13.26 | 4.95 | 2.85 | 1.20 | 0.90 | | |
| 15 | 20.10 | 13.00 | 14.32 | 62.04 | 233.45 | 7.35 | 32.50 | 11.03 | 4.95 | 2.55 | 1.20 | 0.90 | | |
| 16 | 27.85 | 15.91 | 14.06 | 83.90 | 234.30 | 6.60 | 15.12 | 11.73 | 4.95 | 2.85 | 1.20 | 0.90 | | |
| 17 | 26.80 | 8.44 | 11.26 | 66.20 | 86.20 | 7.50 | 13.00 | 15.12 | 7.20 | 2.85 | 1.20 | 5.40 | | |
| 18 | 28.55 | 59.44 | 13.53 | 32.13 | 58.92 | 6.45 | 16.44 | 28.90 | 8.91 | 2.70 | 4.95 | 7.35 | | |
| 19 | 19.78 | 87.93 | 8.21 | 12.47 | 55.80 | 6.90 | 24.70 | 27.50 | 8.91 | 2.85 | 4.05 | 9.85 | | |
| 20 | 9.38 | 84.48 | 11.03 | 18.15 | 32.88 | 15.38 | 22.38 | 25.75 | 8.91 | 3.30 | 3.15 | 11.03 | | |
| 21 | 14.32 | 62.56 | 6.90 | 21.40 | 24.70 | 19.13 | 24.35 | 27.50 | 14.59 | 2.55 | 9.38 | 7.97 | | |
| 22 | 11.50 | 53.48 | 11.26 | 32.88 | 25.05 | 16.18 | 20.43 | 14.06 | 15.65 | 2.70 | 14.32 | 10.09 | | |
| 23 | 5.85 | 29.95 | 13.26 | 19.13 | 18.48 | 13.53 | 15.91 | 16.44 | 15.12 | 2.25 | 3.15 | 19.13 | | |
| 24 | 5.85 | 42.90 | 11.03 | 17.24 | 13.00 | 11.26 | 18.80 | 16.97 | 11.73 | 2.70 | 1.35 | 10.79 | | |
| 25 | 11.73 | 35.50 | 11.26 | 17.50 | 14.06 | 10.32 | 13.00 | 25.05 | 14.59 | 2.55 | 1.35 | 8.91 | | |
| 26 | 10.32 | 32.88 | 13.79 | 15.38 | 13.79 | 30.30 | 11.97 | 14.85 | 11.73 | 2.85 | 1.20 | 8.91 | | |
| 27 | 11.03 | 36.25 | 10.79 | 18.80 | 10.79 | 30.65 | 11.26 | 8.21 | 16.71 | 2.85 | 1.28 | 8.91 | | |
| 28 | 11.03 | 15.38 | 9.62 | 22.70 | 9.62 | 20.43 | 11.97 | 8.44 | 15.91 | 3.00 | 1.50 | 8.91 | | |
| 29 | 6.15 | 5.70 | 9.15 | 55.34 | 6.00 | 22.38 | 8.68 | 7.74 | 15.12 | 2.70 | | 8.91 | | |
| 30 | 6.15 | 4.65 | 6.15 | 126.40 | 6.15 | 25.40 | 8.91 | 8.68 | 14.32 | 3.00 | | 8.91 | | |
| 31 | | 1.80 | | 48.83 | 12.20 | | 9.85 | | 11.26 | 2.70 | | 4.80 | | |
| Total | 348.59 | 717.68 | 452.96 | 1067.79 | 2037.95 | 423.79 | 1053.36 | 526.59 | 278.47 | 179.26 | 86.34 | 177.07 | 7349.85 | CMSDAY |
| Mean | 11.62 | 23.15 | 15.10 | 34.44 | 65.74 | 14.13 | 33.98 | 17.55 | 8.98 | 5.78 | 3.08 | 5.71 | 20.14 | CMS |
| Max | 28.55 | 87.93 | 34.00 | 126.40 | 238.55 | 30.65 | 109.10 | 36.25 | 16.71 | 19.78 | 14.32 | 19.13 | 238.55 | CMS |
| Min | 1.95 | 0.23 | 6.15 | 11.50 | 6.00 | 6.45 | 8.68 | 4.65 | 3.75 | 0.90 | 1.13 | 0.90 | 0.23 | CMS |
| Runoff | 30.12 | 62.01 | 39.14 | 92.26 | 176.08 | 36.62 | 91.01 | 45.50 | 24.06 | 15.49 | 7.46 | 15.30 | 635.03 | MCM |

Momentary Peak 257.00 CMS. at 5.00 m. (MSL.) at 24.00 Hours , on Aug 15 , 2006

Runoff Yield 88.07 Liters/Second/Square KM. Momentary Peak Yield 1124.04 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Bang Rin at Ban Bang Rin, Ranong (X.206)

Lat 09 - 54 - 54 N Long 98 - 37 - 59 E

**Location : on right bank at the bridge.**

| | | | |
|---|---|---|---|
| | **Ban** Bang Rin | **Amphoe** Mueang | **Changwat** Ranong |
| **Drainge Area** | 95 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | | **Elevation** +7.112 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 27 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

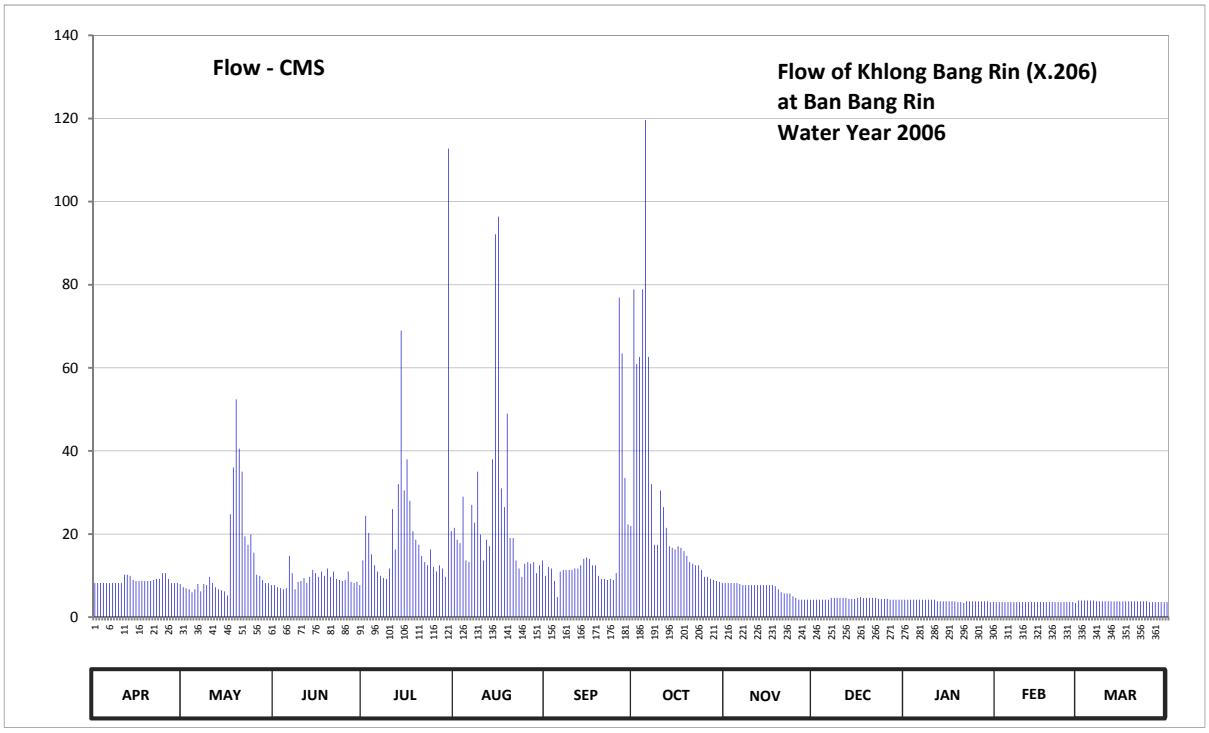
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.72 | 1.68 | 1.70 | 1.89 | 2.09 | 1.79 | 2.93 | 1.72 | 1.55 | 1.55 | 1.52 | 1.54 | |
| 2 | 1.72 | 1.67 | 1.68 | 2.16 | 2.02 | 1.85 | 2.74 | 1.72 | 1.55 | 1.55 | 1.52 | 1.54 | |
| 3 | 1.72 | 1.66 | 1.67 | 2.06 | 2.00 | 1.84 | 2.76 | 1.72 | 1.55 | 1.55 | 1.52 | 1.54 | |
| 4 | 1.72 | 1.63 | 1.66 | 1.93 | 2.26 | 1.74 | 2.93 | 1.72 | 1.55 | 1.55 | 1.52 | 1.54 | |
| 5 | 1.72 | 1.66 | 1.67 | 1.86 | 1.89 | 1.58 | 3.31 | 1.72 | 1.55 | 1.55 | 1.52 | 1.54 | |
| 6 | 1.72 | 1.71 | 1.92 | 1.82 | 1.88 | 1.82 | 2.76 | 1.71 | 1.55 | 1.55 | 1.52 | 1.54 | |
| 7 | 1.72 | 1.64 | 1.81 | 1.79 | 2.22 | 1.83 | 2.32 | 1.70 | 1.57 | 1.55 | 1.52 | 1.53 | |
| 8 | 1.72 | 1.71 | 1.66 | 1.77 | 2.12 | 1.83 | 1.99 | 1.70 | 1.57 | 1.55 | 1.52 | 1.53 | |
| 9 | 1.72 | 1.70 | 1.73 | 1.76 | 2.38 | 1.83 | 1.99 | 1.70 | 1.57 | 1.55 | 1.52 | 1.53 | |
| 10 | 1.72 | 1.78 | 1.74 | 1.84 | 2.05 | 1.83 | 2.29 | 1.70 | 1.57 | 1.55 | 1.52 | 1.53 | |
| 11 | 1.80 | 1.72 | 1.77 | 2.20 | 1.89 | 1.84 | 2.21 | 1.70 | 1.57 | 1.55 | 1.52 | 1.53 | |
| 12 | 1.80 | 1.68 | 1.72 | 1.96 | 2.02 | 1.84 | 2.09 | 1.70 | 1.57 | 1.53 | 1.52 | 1.53 | |
| 13 | 1.79 | 1.66 | 1.78 | 2.32 | 1.98 | 1.86 | 1.98 | 1.70 | 1.56 | 1.53 | 1.52 | 1.53 | |
| 14 | 1.75 | 1.65 | 1.83 | 2.83 | 2.43 | 1.90 | 1.97 | 1.70 | 1.56 | 1.53 | 1.52 | 1.53 | |
| 15 | 1.74 | 1.64 | 1.81 | 2.29 | 3.06 | 1.91 | 1.96 | 1.70 | 1.56 | 1.53 | 1.52 | 1.53 | |
| 16 | 1.74 | 1.60 | 1.78 | 2.43 | 3.10 | 1.90 | 1.98 | 1.70 | 1.57 | 1.53 | 1.52 | 1.53 | |
| 17 | 1.74 | 2.17 | 1.82 | 2.24 | 2.30 | 1.86 | 1.97 | 1.70 | 1.58 | 1.53 | 1.52 | 1.53 | |
| 18 | 1.74 | 2.40 | 1.79 | 2.07 | 2.21 | 1.86 | 1.95 | 1.69 | 1.57 | 1.53 | 1.52 | 1.53 | |
| 19 | 1.74 | 2.64 | 1.84 | 2.02 | 2.60 | 1.79 | 1.92 | 1.66 | 1.57 | 1.52 | 1.52 | 1.53 | |
| 20 | 1.74 | 2.47 | 1.78 | 1.99 | 2.03 | 1.76 | 1.88 | 1.63 | 1.57 | 1.52 | 1.52 | 1.53 | |
| 21 | 1.75 | 2.38 | 1.82 | 1.92 | 2.03 | 1.76 | 1.87 | 1.62 | 1.57 | 1.51 | 1.52 | 1.53 | |
| 22 | 1.76 | 2.04 | 1.76 | 1.88 | 1.89 | 1.75 | 1.86 | 1.62 | 1.57 | 1.53 | 1.52 | 1.53 | |
| 23 | 1.76 | 1.99 | 1.75 | 1.86 | 1.84 | 1.76 | 1.86 | 1.62 | 1.56 | 1.53 | 1.52 | 1.53 | |
| 24 | 1.81 | 2.05 | 1.74 | 1.96 | 1.78 | 1.75 | 1.83 | 1.59 | 1.56 | 1.53 | 1.52 | 1.53 | |
| 25 | 1.81 | 1.94 | 1.75 | 1.85 | 1.87 | 1.81 | 1.78 | 1.57 | 1.56 | 1.53 | 1.52 | 1.52 | |
| 26 | 1.76 | 1.80 | 1.82 | 1.82 | 1.88 | 2.91 | 1.78 | 1.55 | 1.56 | 1.53 | 1.52 | 1.52 | |
| 27 | 1.72 | 1.79 | 1.73 | 1.86 | 1.87 | 2.77 | 1.76 | 1.55 | 1.55 | 1.53 | 1.52 | 1.52 | |
| 28 | 1.72 | 1.75 | 1.72 | 1.84 | 1.88 | 2.35 | 1.75 | 1.55 | 1.55 | 1.53 | 1.51 | 1.52 | |
| 29 | 1.72 | 1.72 | 1.73 | 1.78 | 1.81 | 2.11 | 1.74 | 1.55 | 1.55 | 1.53 | | 1.52 | |
| 30 | 1.71 | 1.72 | 1.70 | 3.25 | 1.86 | 2.10 | 1.73 | 1.55 | 1.55 | 1.52 | | 1.52 | |
| 31 | | 1.70 | | 2.07 | 1.89 | | 1.72 | | 1.55 | 1.52 | | 1.52 | |
| Mean | 1.74 | 1.85 | 1.76 | 2.04 | 2.10 | 1.92 | 2.12 | 1.66 | 1.56 | 1.54 | 1.52 | 1.53 | |
| Max | 1.81 | 2.64 | 1.92 | 3.25 | 3.10 | 2.91 | 3.31 | 1.72 | 1.58 | 1.55 | 1.52 | 1.54 | 3.31 |
| Min | 1.71 | 1.60 | 1.66 | 1.76 | 1.78 | 1.58 | 1.72 | 1.55 | 1.55 | 1.51 | 1.51 | 1.52 | 1.51 |

Annual Max Momentary Gage Height 4.75 m. (MSL.) , at 09.00 Hours , on Jul 30 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 0.96 m. (MSL.)

Left Bank Elevation 8.66 m. (MSL.) ,

Right Bank Elevation 8.64 m. (MSL.) , Drainage Are 95 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.20 | 7.20 | 7.70 | 13.62 | 21.49 | 9.95 | 78.87 | 8.20 | 4.20 | 4.20 | 3.60 | 4.00 | | |
| 2 | 8.20 | 6.95 | 7.20 | 24.36 | 18.62 | 12.10 | 60.90 | 8.20 | 4.20 | 4.20 | 3.60 | 4.00 | | |
| 3 | 8.20 | 6.70 | 6.95 | 20.26 | 17.80 | 11.72 | 62.60 | 8.20 | 4.20 | 4.20 | 3.60 | 4.00 | | |
| 4 | 8.20 | 5.95 | 6.70 | 15.14 | 29.00 | 8.70 | 78.87 | 8.20 | 4.20 | 4.20 | 3.60 | 4.00 | | |
| 5 | 8.20 | 6.70 | 6.95 | 12.48 | 13.62 | 4.80 | 119.65 | 8.20 | 4.20 | 4.20 | 3.60 | 4.00 | | |
| 6 | 8.20 | 7.95 | 14.76 | 10.96 | 13.24 | 10.96 | 62.60 | 7.95 | 4.20 | 4.20 | 3.60 | 4.00 | | |
| 7 | 8.20 | 6.20 | 10.58 | 9.95 | 27.00 | 11.34 | 32.00 | 7.70 | 4.60 | 4.20 | 3.60 | 3.80 | | |
| 8 | 8.20 | 7.95 | 6.70 | 9.45 | 22.72 | 11.34 | 17.42 | 7.70 | 4.60 | 4.20 | 3.60 | 3.80 | | |
| 9 | 8.20 | 7.70 | 8.45 | 9.20 | 35.00 | 11.34 | 17.42 | 7.70 | 4.60 | 4.20 | 3.60 | 3.80 | | |
| 10 | 8.20 | 9.70 | 8.70 | 11.72 | 19.85 | 11.34 | 30.50 | 7.70 | 4.60 | 4.20 | 3.60 | 3.80 | | |
| 11 | 10.20 | 8.20 | 9.45 | 26.00 | 13.62 | 11.72 | 26.50 | 7.70 | 4.60 | 4.20 | 3.60 | 3.80 | | |
| 12 | 10.20 | 7.20 | 8.20 | 16.28 | 18.62 | 11.72 | 21.49 | 7.70 | 4.60 | 3.80 | 3.60 | 3.80 | | |
| 13 | 9.95 | 6.70 | 9.70 | 32.00 | 17.04 | 12.48 | 17.04 | 7.70 | 4.40 | 3.80 | 3.60 | 3.80 | | |
| 14 | 8.95 | 6.45 | 11.34 | 68.97 | 37.95 | 14.00 | 16.66 | 7.70 | 4.40 | 3.80 | 3.60 | 3.80 | | |
| 15 | 8.70 | 6.20 | 10.58 | 30.50 | 92.16 | 14.38 | 16.28 | 7.70 | 4.40 | 3.80 | 3.60 | 3.80 | | |
| 16 | 8.70 | 5.20 | 9.70 | 37.95 | 96.40 | 14.00 | 17.04 | 7.70 | 4.60 | 3.80 | 3.60 | 3.80 | | |
| 17 | 8.70 | 24.77 | 10.96 | 28.00 | 31.00 | 12.48 | 16.66 | 7.70 | 4.80 | 3.80 | 3.60 | 3.80 | | |
| 18 | 8.70 | 36.00 | 9.95 | 20.67 | 26.50 | 12.48 | 15.90 | 7.45 | 4.60 | 3.80 | 3.60 | 3.80 | | |
| 19 | 8.70 | 52.40 | 11.72 | 18.62 | 49.00 | 9.95 | 14.76 | 6.70 | 4.60 | 3.60 | 3.60 | 3.80 | | |
| 20 | 8.70 | 40.55 | 9.70 | 17.42 | 19.03 | 9.20 | 13.24 | 5.95 | 4.60 | 3.60 | 3.60 | 3.80 | | |
| 21 | 8.95 | 35.00 | 10.96 | 14.76 | 19.03 | 9.20 | 12.86 | 5.70 | 4.60 | 3.40 | 3.60 | 3.80 | | |
| 22 | 9.20 | 19.44 | 9.20 | 13.24 | 13.62 | 8.95 | 12.48 | 5.70 | 4.60 | 3.80 | 3.60 | 3.80 | | |
| 23 | 9.20 | 17.42 | 8.95 | 12.48 | 11.72 | 9.20 | 12.48 | 5.70 | 4.40 | 3.80 | 3.60 | 3.80 | | |
| 24 | 10.58 | 19.85 | 8.70 | 16.28 | 9.70 | 8.95 | 11.34 | 5.00 | 4.40 | 3.80 | 3.60 | 3.80 | | |
| 25 | 10.58 | 15.52 | 8.95 | 12.10 | 12.86 | 10.58 | 9.70 | 4.60 | 4.40 | 3.80 | 3.60 | 3.60 | | |
| 26 | 9.20 | 10.20 | 10.96 | 10.96 | 13.24 | 76.89 | 9.70 | 4.20 | 4.40 | 3.80 | 3.60 | 3.60 | | |
| 27 | 8.20 | 9.95 | 8.45 | 12.48 | 12.86 | 63.45 | 9.20 | 4.20 | 4.20 | 3.80 | 3.60 | 3.60 | | |
| 28 | 8.20 | 8.95 | 8.20 | 11.72 | 13.24 | 33.50 | 8.95 | 4.20 | 4.20 | 3.80 | 3.40 | 3.60 | | |
| 29 | 8.20 | 8.20 | 8.45 | 9.70 | 10.58 | 22.31 | 8.70 | 4.20 | 4.20 | 3.80 | | 3.60 | | |
| 30 | 7.95 | 8.20 | 7.70 | 112.75 | 12.48 | 21.90 | 8.45 | 4.20 | 4.20 | 3.60 | | 3.60 | | |
| 31 | | 7.70 | | 20.67 | 13.62 | | 8.20 | | 4.20 | 3.60 | | 3.60 | | |
| Total | 263.76 | 427.10 | 276.51 | 680.69 | 762.61 | 490.93 | 848.46 | 201.45 | 137.00 | 121.00 | 100.60 | 117.60 | 4427.71 | CMSDAY |
| Mean | 8.79 | 13.78 | 9.22 | 21.96 | 24.60 | 16.36 | 27.37 | 6.71 | 4.42 | 3.90 | 3.59 | 3.79 | 12.13 | CMS |
| Max | 10.58 | 52.40 | 14.76 | 112.75 | 96.40 | 76.89 | 119.65 | 8.20 | 4.80 | 4.20 | 3.60 | 4.00 | 119.65 | CMS |
| Min | 7.95 | 5.20 | 6.70 | 9.20 | 9.70 | 4.80 | 8.20 | 4.20 | 4.20 | 3.40 | 3.40 | 3.60 | 3.40 | CMS |
| Runoff | 22.79 | 36.90 | 23.89 | 58.81 | 65.89 | 42.42 | 73.31 | 17.41 | 11.84 | 10.45 | 8.69 | 10.16 | 382.55 | MCM |

Momentary Peak 394.73 CMS. at 4.75 m. (MSL.) at 09.00 Hours , on Jul 30 , 2006

Runoff Yield 127.52 Liters/Second/Square KM. Momentary Peak Yield 4149.37 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Kra Buri at Ban Nam Chud, Ranong (X.207)

Lat 10 - 23 - 53 N Long 98 - 47 - 22 E

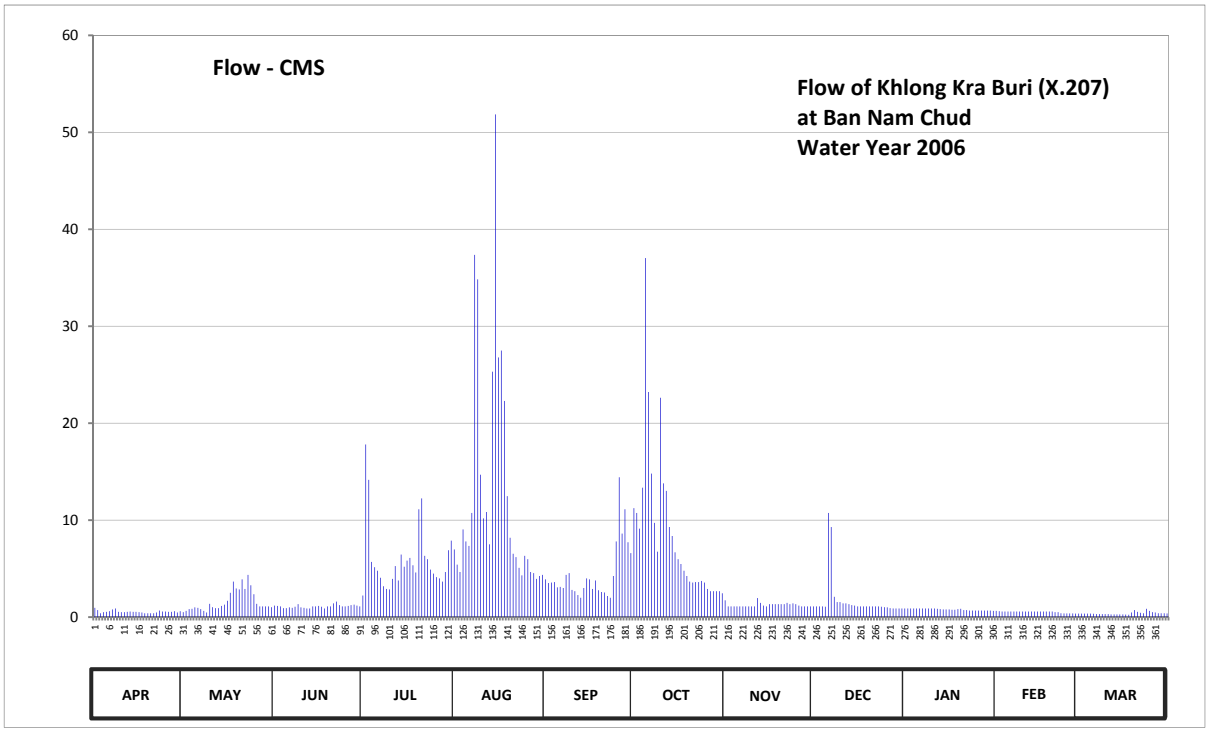
**Location : on right bank at Ban Nam Chud.**

| | | | |
|---|---|---|---|
| | **Ban** Nam Chud | **Amphoe** Kra Buri | **Changwat** Ranong |
| **Drainge Area** | 45 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | | **Elevation** +5.779 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.96 | 1.83 | 2.02 | 2.25 | 3.05 | 2.58 | 3.55 | 2.14 | 2.00 | 1.94 | 1.87 | 1.78 | |
| 2 | 1.89 | 1.87 | 2.01 | 4.09 | 2.83 | 2.51 | 3.50 | 2.00 | 2.00 | 1.94 | 1.86 | 1.78 | |
| 3 | 1.80 | 1.92 | 2.00 | 3.82 | 2.71 | 2.52 | 3.32 | 2.00 | 2.00 | 1.94 | 1.85 | 1.78 | |
| 4 | 1.83 | 1.93 | 1.95 | 2.87 | 3.31 | 2.53 | 3.75 | 2.00 | 2.00 | 1.94 | 1.85 | 1.78 | |
| 5 | 1.84 | 1.97 | 1.95 | 2.79 | 3.16 | 2.43 | 4.96 | 2.00 | 1.99 | 1.94 | 1.85 | 1.78 | |
| 6 | 1.86 | 1.96 | 1.97 | 2.73 | 3.10 | 2.44 | 4.42 | 2.00 | 3.50 | 1.94 | 1.85 | 1.77 | |
| 7 | 1.91 | 1.92 | 1.96 | 2.61 | 3.50 | 2.42 | 3.87 | 2.00 | 3.34 | 1.94 | 1.85 | 1.76 | |
| 8 | 1.94 | 1.87 | 1.99 | 2.45 | 4.97 | 2.66 | 3.39 | 2.00 | 2.22 | 1.94 | 1.85 | 1.76 | |
| 9 | 1.84 | 1.82 | 2.05 | 2.40 | 4.89 | 2.69 | 3.02 | 2.00 | 2.10 | 1.94 | 1.85 | 1.76 | |
| 10 | 1.83 | 2.06 | 1.97 | 2.39 | 3.86 | 2.38 | 4.39 | 2.00 | 2.10 | 1.94 | 1.85 | 1.76 | |
| 11 | 1.83 | 1.98 | 1.96 | 2.59 | 3.44 | 2.35 | 3.79 | 2.00 | 2.07 | 1.94 | 1.85 | 1.76 | |
| 12 | 1.84 | 1.95 | 1.94 | 2.81 | 3.51 | 2.26 | 3.72 | 2.19 | 2.07 | 1.93 | 1.85 | 1.74 | |
| 13 | 1.85 | 1.95 | 1.94 | 2.56 | 3.12 | 2.20 | 3.34 | 2.08 | 2.05 | 1.92 | 1.85 | 1.74 | |
| 14 | 1.84 | 2.01 | 2.00 | 2.98 | 4.52 | 2.42 | 3.23 | 2.02 | 2.03 | 1.91 | 1.85 | 1.74 | |
| 15 | 1.84 | 2.04 | 2.00 | 2.80 | 5.33 | 2.60 | 3.01 | 2.00 | 2.02 | 1.91 | 1.85 | 1.74 | |
| 16 | 1.83 | 2.13 | 2.01 | 2.89 | 4.59 | 2.58 | 2.91 | 2.05 | 2.00 | 1.91 | 1.85 | 1.74 | |
| 17 | 1.82 | 2.31 | 1.99 | 2.93 | 4.62 | 2.40 | 2.84 | 2.05 | 2.00 | 1.90 | 1.85 | 1.73 | |
| 18 | 1.80 | 2.54 | 1.94 | 2.82 | 4.37 | 2.56 | 2.73 | 2.05 | 2.00 | 1.90 | 1.85 | 1.72 | |
| 19 | 1.80 | 2.41 | 2.00 | 2.70 | 3.67 | 2.37 | 2.64 | 2.05 | 2.00 | 1.92 | 1.85 | 1.82 | |
| 20 | 1.80 | 2.39 | 2.00 | 3.54 | 3.21 | 2.33 | 2.54 | 2.05 | 2.00 | 1.93 | 1.85 | 1.89 | |
| 21 | 1.80 | 2.58 | 2.07 | 3.65 | 2.99 | 2.32 | 2.52 | 2.05 | 2.00 | 1.89 | 1.83 | 1.84 | |
| 22 | 1.82 | 2.40 | 2.11 | 2.96 | 2.94 | 2.24 | 2.53 | 2.08 | 2.00 | 1.89 | 1.83 | 1.81 | |
| 23 | 1.88 | 2.66 | 2.03 | 2.91 | 2.78 | 2.20 | 2.53 | 2.05 | 2.00 | 1.88 | 1.80 | 1.80 | |
| 24 | 1.85 | 2.47 | 2.00 | 2.75 | 2.65 | 2.64 | 2.55 | 2.07 | 1.99 | 1.88 | 1.79 | 1.93 | |
| 25 | 1.85 | 2.28 | 2.00 | 2.68 | 2.96 | 3.16 | 2.52 | 2.05 | 1.98 | 1.88 | 1.79 | 1.87 | |
| 26 | 1.84 | 2.06 | 2.01 | 2.62 | 2.91 | 3.84 | 2.40 | 2.02 | 1.97 | 1.88 | 1.79 | 1.83 | |
| 27 | 1.84 | 2.00 | 2.03 | 2.60 | 2.71 | 3.26 | 2.35 | 2.00 | 1.95 | 1.88 | 1.79 | 1.82 | |
| 28 | 1.86 | 2.00 | 2.04 | 2.54 | 2.69 | 3.54 | 2.35 | 2.00 | 1.94 | 1.88 | 1.78 | 1.80 | |
| 29 | 1.82 | 2.00 | 2.02 | 2.71 | 2.59 | 3.15 | 2.35 | 2.00 | 1.94 | 1.88 | | 1.80 | |
| 30 | 1.86 | 2.00 | 2.00 | 3.04 | 2.64 | 3.00 | 2.35 | 2.00 | 1.94 | 1.88 | | 1.80 | |
| 31 | | 1.98 | | 3.17 | 2.66 | | 2.30 | | 1.94 | 1.87 | | 1.79 | |
| Mean | 1.85 | 2.11 | 2.00 | 2.86 | 3.43 | 2.62 | 3.09 | 2.03 | 2.10 | 1.91 | 1.84 | 1.79 | |
| Max | 1.96 | 2.66 | 2.11 | 4.09 | 5.33 | 3.84 | 4.96 | 2.19 | 3.50 | 1.94 | 1.87 | 1.93 | 5.33 |
| Min | 1.80 | 1.82 | 1.94 | 2.25 | 2.59 | 2.20 | 2.30 | 2.00 | 1.94 | 1.87 | 1.78 | 1.72 | 1.72 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 5.60 | m. (MSL.) , | at 15.00 Hours , on Oct 5 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 1.75 | m. (MSL.) |
| Left Bank Elevation | 6.14 | m. (MSL.) , | | | |
| Right Bank Elevation | 6.19 | m. (MSL.) , | Drainage Are | 45 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.96 | 0.51 | 1.19 | 2.23 | 6.98 | 3.89 | 11.23 | 1.73 | 1.10 | 0.89 | 0.65 | 0.36 | | |
| 2 | 0.72 | 0.65 | 1.15 | 17.81 | 5.41 | 3.51 | 10.75 | 1.10 | 1.10 | 0.89 | 0.61 | 0.36 | | |
| 3 | 0.40 | 0.82 | 1.10 | 14.16 | 4.66 | 3.56 | 9.12 | 1.10 | 1.10 | 0.89 | 0.58 | 0.36 | | |
| 4 | 0.51 | 0.86 | 0.93 | 5.69 | 9.04 | 3.62 | 13.35 | 1.10 | 1.10 | 0.89 | 0.58 | 0.36 | | |
| 5 | 0.54 | 1.00 | 0.93 | 5.14 | 7.80 | 3.07 | 37.04 | 1.10 | 1.07 | 0.89 | 0.58 | 0.36 | | |
| 6 | 0.61 | 0.96 | 1.00 | 4.78 | 7.35 | 3.12 | 23.22 | 1.10 | 10.75 | 0.89 | 0.58 | 0.34 | | |
| 7 | 0.79 | 0.82 | 0.96 | 4.06 | 10.75 | 3.01 | 14.81 | 1.10 | 9.29 | 0.89 | 0.58 | 0.32 | | |
| 8 | 0.89 | 0.65 | 1.07 | 3.18 | 37.36 | 4.36 | 9.72 | 1.10 | 2.09 | 0.89 | 0.58 | 0.32 | | |
| 9 | 0.54 | 0.47 | 1.33 | 2.90 | 34.84 | 4.54 | 6.75 | 1.10 | 1.55 | 0.89 | 0.58 | 0.32 | | |
| 10 | 0.51 | 1.37 | 1.00 | 2.86 | 14.68 | 2.81 | 22.63 | 1.10 | 1.55 | 0.89 | 0.58 | 0.32 | | |
| 11 | 0.51 | 1.03 | 0.96 | 3.95 | 10.18 | 2.68 | 13.79 | 1.10 | 1.42 | 0.89 | 0.58 | 0.32 | | |
| 12 | 0.54 | 0.93 | 0.89 | 5.27 | 10.85 | 2.27 | 13.02 | 1.96 | 1.42 | 0.86 | 0.58 | 0.28 | | |
| 13 | 0.58 | 0.93 | 0.89 | 3.78 | 7.50 | 2.00 | 9.29 | 1.46 | 1.33 | 0.82 | 0.58 | 0.28 | | |
| 14 | 0.54 | 1.15 | 1.10 | 6.46 | 25.32 | 3.01 | 8.36 | 1.19 | 1.24 | 0.79 | 0.58 | 0.28 | | |
| 15 | 0.54 | 1.28 | 1.10 | 5.20 | 51.85 | 4.00 | 6.68 | 1.10 | 1.19 | 0.79 | 0.58 | 0.28 | | |
| 16 | 0.51 | 1.69 | 1.15 | 5.83 | 26.79 | 3.89 | 5.97 | 1.33 | 1.10 | 0.79 | 0.58 | 0.28 | | |
| 17 | 0.47 | 2.50 | 1.07 | 6.11 | 27.50 | 2.90 | 5.48 | 1.33 | 1.10 | 0.75 | 0.58 | 0.26 | | |
| 18 | 0.40 | 3.67 | 0.89 | 5.34 | 22.29 | 3.78 | 4.78 | 1.33 | 1.10 | 0.75 | 0.58 | 0.24 | | |
| 19 | 0.40 | 2.96 | 1.10 | 4.60 | 12.47 | 2.77 | 4.24 | 1.33 | 1.10 | 0.82 | 0.58 | 0.47 | | |
| 20 | 0.40 | 2.86 | 1.10 | 11.13 | 8.19 | 2.59 | 3.67 | 1.33 | 1.10 | 0.86 | 0.58 | 0.72 | | |
| 21 | 0.40 | 3.89 | 1.42 | 12.25 | 6.53 | 2.54 | 3.56 | 1.33 | 1.10 | 0.72 | 0.51 | 0.54 | | |
| 22 | 0.47 | 2.90 | 1.60 | 6.32 | 6.18 | 2.18 | 3.62 | 1.46 | 1.10 | 0.72 | 0.51 | 0.44 | | |
| 23 | 0.68 | 4.36 | 1.24 | 5.97 | 5.08 | 2.00 | 3.62 | 1.33 | 1.10 | 0.68 | 0.40 | 0.40 | | |
| 24 | 0.58 | 3.29 | 1.10 | 4.90 | 4.30 | 4.24 | 3.73 | 1.42 | 1.07 | 0.68 | 0.38 | 0.86 | | |
| 25 | 0.58 | 2.36 | 1.10 | 4.48 | 6.32 | 7.80 | 3.56 | 1.33 | 1.03 | 0.68 | 0.38 | 0.65 | | |
| 26 | 0.54 | 1.37 | 1.15 | 4.12 | 5.97 | 14.42 | 2.90 | 1.19 | 1.00 | 0.68 | 0.38 | 0.51 | | |
| 27 | 0.54 | 1.10 | 1.24 | 4.00 | 4.66 | 8.61 | 2.68 | 1.10 | 0.93 | 0.68 | 0.38 | 0.47 | | |
| 28 | 0.61 | 1.10 | 1.28 | 3.67 | 4.54 | 11.13 | 2.68 | 1.10 | 0.89 | 0.68 | 0.36 | 0.40 | | |
| 29 | 0.47 | 1.10 | 1.19 | 4.66 | 3.95 | 7.73 | 2.68 | 1.10 | 0.89 | 0.68 | | 0.40 | | |
| 30 | 0.61 | 1.10 | 1.10 | 6.90 | 4.24 | 6.60 | 2.68 | 1.10 | 0.89 | 0.68 | | 0.40 | | |
| 31 | | 1.03 | | 7.88 | 4.36 | | 2.45 | | 0.89 | 0.65 | | 0.38 | | |
| Total | 16.84 | 50.71 | 33.33 | 185.63 | 397.94 | 132.63 | 268.06 | 37.55 | 53.69 | 24.55 | 15.00 | 12.28 | 1228.21 | CMSDAY |
| Mean | 0.56 | 1.64 | 1.11 | 5.99 | 12.84 | 4.42 | 8.65 | 1.25 | 1.73 | 0.79 | 0.54 | 0.40 | 3.36 | CMS |
| Max | 0.96 | 4.36 | 1.60 | 17.81 | 51.85 | 14.42 | 37.04 | 1.96 | 10.75 | 0.89 | 0.65 | 0.86 | 51.85 | CMS |
| Min | 0.40 | 0.47 | 0.89 | 2.23 | 3.95 | 2.00 | 2.45 | 1.10 | 0.89 | 0.65 | 0.36 | 0.24 | 0.24 | CMS |
| Runoff | 1.45 | 4.38 | 2.88 | 16.04 | 34.38 | 11.46 | 23.16 | 3.24 | 4.64 | 2.12 | 1.30 | 1.06 | 106.12 | MCM |

Momentary Peak 65.40 CMS. at 5.60 m. (MSL.) at 15.00 Hours , on Oct 5 , 2006

Runoff Yield 74.48 Liters/Second/Square KM. Momentary Peak Yield 1447.54 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Kapoe at Ban Chieo Liang, Ranong (X.208)

Lat 09 - 34 - 20 N Long 98 - 40 - 05 E

**Location : on right bank at Ban Chieo Liang**

| | | | |
|---|---|---|---|
| | **Ban** Chieo Liang | **Amphoe** Kapoe | **Changwat** Ranong |
| **Drainge Area** | 168 sq.km. | | |
| **Type of Gage** | Staff gage. | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the top staff gage. | | **Elevation** +25.666 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

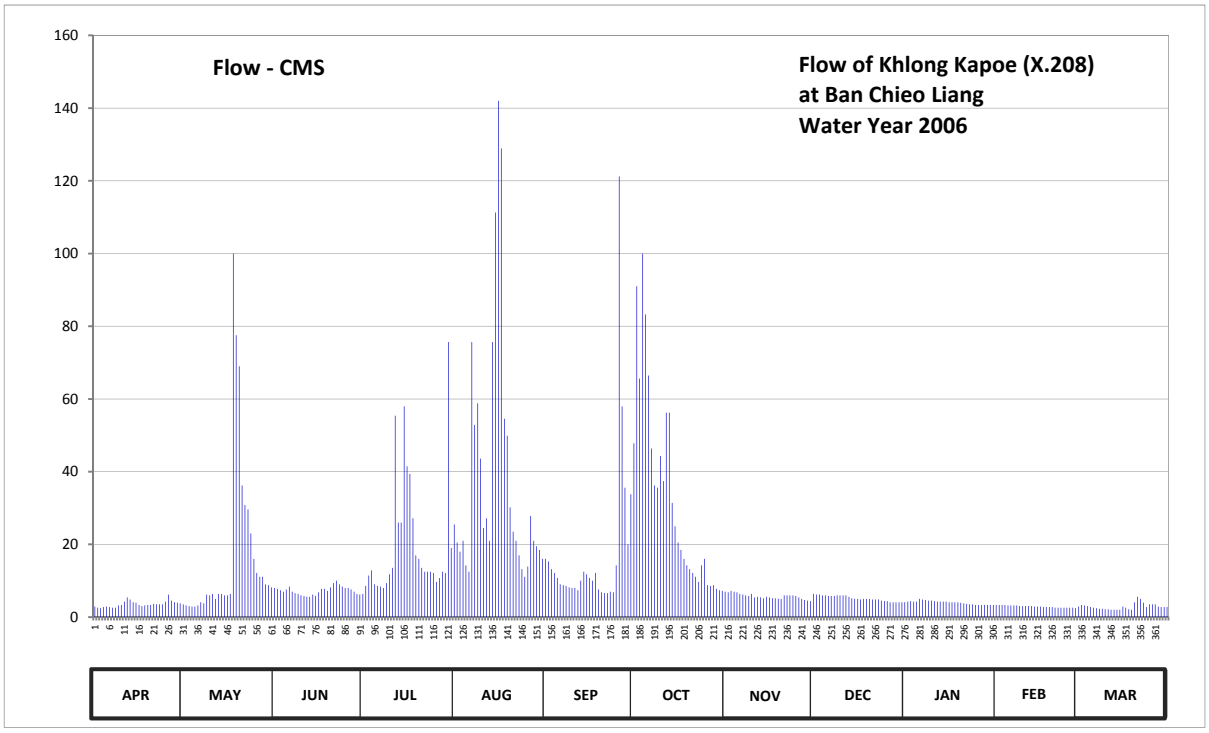
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21.06 | 21.10 | 21.35 | 21.27 | 21.79 | 21.60 | 22.14 | 21.30 | 21.27 | 21.14 | 21.09 | 21.06 | |
| 2 | 21.04 | 21.08 | 21.34 | 21.38 | 21.69 | 21.58 | 22.63 | 21.29 | 21.26 | 21.15 | 21.09 | 21.09 | |
| 3 | 21.03 | 21.07 | 21.32 | 21.47 | 21.64 | 21.52 | 22.36 | 21.31 | 21.26 | 21.16 | 21.09 | 21.08 | |
| 4 | 21.05 | 21.06 | 21.30 | 21.51 | 21.70 | 21.49 | 22.72 | 21.30 | 21.25 | 21.15 | 21.09 | 21.07 | |
| 5 | 21.06 | 21.06 | 21.33 | 21.40 | 21.55 | 21.45 | 22.55 | 21.29 | 21.25 | 21.15 | 21.08 | 21.05 | |
| 6 | 21.05 | 21.08 | 21.37 | 21.38 | 21.50 | 21.40 | 22.37 | 21.27 | 21.24 | 21.20 | 21.08 | 21.04 | |
| 7 | 21.04 | 21.14 | 21.30 | 21.37 | 22.47 | 21.39 | 22.12 | 21.26 | 21.24 | 21.19 | 21.08 | 21.03 | |
| 8 | 21.04 | 21.12 | 21.28 | 21.35 | 22.21 | 21.38 | 21.97 | 21.25 | 21.24 | 21.18 | 21.08 | 21.02 | |
| 9 | 21.08 | 21.26 | 21.27 | 21.41 | 22.28 | 21.36 | 21.96 | 21.24 | 21.25 | 21.17 | 21.07 | 21.02 | |
| 10 | 21.09 | 21.25 | 21.25 | 21.48 | 22.08 | 21.35 | 22.09 | 21.27 | 21.25 | 21.17 | 21.07 | 21.01 | |
| 11 | 21.15 | 21.27 | 21.24 | 21.53 | 21.77 | 21.35 | 21.99 | 21.22 | 21.25 | 21.16 | 21.07 | 21.01 | |
| 12 | 21.22 | 21.20 | 21.23 | 22.24 | 21.82 | 21.32 | 22.25 | 21.23 | 21.25 | 21.15 | 21.07 | 21.00 | |
| 13 | 21.19 | 21.27 | 21.23 | 21.80 | 21.70 | 21.43 | 22.25 | 21.22 | 21.23 | 21.15 | 21.07 | 21.00 | |
| 14 | 21.14 | 21.27 | 21.26 | 21.80 | 22.47 | 21.50 | 21.89 | 21.21 | 21.21 | 21.15 | 21.06 | 21.00 | |
| 15 | 21.13 | 21.25 | 21.24 | 22.27 | 22.83 | 21.48 | 21.78 | 21.23 | 21.20 | 21.15 | 21.06 | 21.00 | |
| 16 | 21.09 | 21.25 | 21.29 | 22.05 | 23.10 | 21.45 | 21.69 | 21.22 | 21.20 | 21.14 | 21.06 | 21.06 | |
| 17 | 21.07 | 21.27 | 21.34 | 22.02 | 22.99 | 21.43 | 21.65 | 21.21 | 21.19 | 21.14 | 21.05 | 21.04 | |
| 18 | 21.08 | 22.72 | 21.34 | 21.82 | 22.23 | 21.49 | 21.60 | 21.21 | 21.20 | 21.14 | 21.05 | 21.01 | |
| 19 | 21.09 | 22.49 | 21.31 | 21.62 | 22.17 | 21.33 | 21.55 | 21.20 | 21.20 | 21.14 | 21.05 | 21.00 | |
| 20 | 21.09 | 22.40 | 21.36 | 21.60 | 21.87 | 21.29 | 21.52 | 21.20 | 21.20 | 21.13 | 21.05 | 21.14 | |
| 21 | 21.11 | 21.97 | 21.41 | 21.53 | 21.75 | 21.28 | 21.49 | 21.25 | 21.19 | 21.12 | 21.04 | 21.23 | |
| 22 | 21.10 | 21.88 | 21.43 | 21.50 | 21.70 | 21.28 | 21.46 | 21.25 | 21.19 | 21.11 | 21.04 | 21.20 | |
| 23 | 21.10 | 21.86 | 21.40 | 21.50 | 21.62 | 21.30 | 21.42 | 21.25 | 21.19 | 21.10 | 21.04 | 21.13 | |
| 24 | 21.10 | 21.74 | 21.37 | 21.50 | 21.52 | 21.29 | 21.55 | 21.25 | 21.17 | 21.10 | 21.04 | 21.05 | |
| 25 | 21.15 | 21.60 | 21.35 | 21.49 | 21.46 | 21.55 | 21.60 | 21.24 | 21.16 | 21.09 | 21.04 | 21.10 | |
| 26 | 21.26 | 21.49 | 21.35 | 21.42 | 21.54 | 22.92 | 21.39 | 21.22 | 21.16 | 21.09 | 21.04 | 21.10 | |
| 27 | 21.17 | 21.46 | 21.33 | 21.45 | 21.83 | 22.27 | 21.38 | 21.20 | 21.14 | 21.09 | 21.04 | 21.10 | |
| 28 | 21.14 | 21.46 | 21.30 | 21.50 | 21.70 | 21.96 | 21.39 | 21.18 | 21.14 | 21.09 | 21.03 | 21.06 | |
| 29 | 21.13 | 21.40 | 21.27 | 21.49 | 21.67 | 21.68 | 21.34 | 21.17 | 21.14 | 21.09 | | 21.05 | |
| 30 | 21.12 | 21.39 | 21.26 | 22.47 | 21.65 | 21.93 | 21.32 | 21.16 | 21.14 | 21.09 | | 21.05 | |
| 31 | | 21.36 | | 21.66 | 21.60 | | 21.31 | | 21.14 | 21.09 | | 21.05 | |
| Mean | 21.11 | 21.46 | 21.31 | 21.62 | 21.93 | 21.53 | 21.83 | 21.24 | 21.21 | 21.13 | 21.06 | 21.06 | |
| Max | 21.26 | 22.72 | 21.43 | 22.47 | 23.10 | 22.92 | 22.72 | 21.31 | 21.27 | 21.20 | 21.09 | 21.23 | 23.10 |
| Min | 21.03 | 21.06 | 21.23 | 21.27 | 21.46 | 21.28 | 21.31 | 21.16 | 21.14 | 21.09 | 21.03 | 21.00 | 21.00 |

Annual Max Momentary Gage Height 23.70 m. (MSL.) , at 18.00 Hours , on Aug 16 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 19.88 m. (MSL.)

Left Bank Elevation 25.50 m. (MSL.) ,

Right Bank Elevation 25.52 m. (MSL.) , Drainage Are 168 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.90 | 3.50 | 8.00 | 6.40 | 25.50 | 16.00 | 47.80 | 7.00 | 6.40 | 4.10 | 3.35 | 2.90 | | |
| 2 | 2.60 | 3.20 | 7.80 | 8.60 | 20.50 | 15.30 | 91.00 | 6.80 | 6.20 | 4.25 | 3.35 | 3.35 | | |
| 3 | 2.45 | 3.05 | 7.40 | 11.45 | 18.00 | 13.20 | 65.60 | 7.20 | 6.20 | 4.40 | 3.35 | 3.20 | | |
| 4 | 2.75 | 2.90 | 7.00 | 12.85 | 21.00 | 12.15 | 100.00 | 7.00 | 6.00 | 4.25 | 3.35 | 3.05 | | |
| 5 | 2.90 | 2.90 | 7.60 | 9.00 | 14.25 | 10.75 | 83.25 | 6.80 | 6.00 | 4.25 | 3.20 | 2.75 | | |
| 6 | 2.75 | 3.20 | 8.40 | 8.60 | 12.50 | 9.00 | 66.45 | 6.40 | 5.80 | 5.00 | 3.20 | 2.60 | | |
| 7 | 2.60 | 4.10 | 7.00 | 8.40 | 75.65 | 8.80 | 46.40 | 6.20 | 5.80 | 4.85 | 3.20 | 2.45 | | |
| 8 | 2.60 | 3.80 | 6.60 | 8.00 | 52.85 | 8.60 | 36.20 | 6.00 | 5.80 | 4.70 | 3.20 | 2.30 | | |
| 9 | 3.20 | 6.20 | 6.40 | 9.35 | 58.80 | 8.20 | 35.60 | 5.80 | 6.00 | 4.55 | 3.05 | 2.30 | | |
| 10 | 3.35 | 6.00 | 6.00 | 11.80 | 43.60 | 8.00 | 44.30 | 6.40 | 6.00 | 4.55 | 3.05 | 2.15 | | |
| 11 | 4.25 | 6.40 | 5.80 | 13.55 | 24.50 | 8.00 | 37.40 | 5.40 | 6.00 | 4.40 | 3.05 | 2.15 | | |
| 12 | 5.40 | 5.00 | 5.60 | 55.40 | 27.20 | 7.40 | 56.25 | 5.60 | 6.00 | 4.25 | 3.05 | 2.00 | | |
| 13 | 4.85 | 6.40 | 5.60 | 26.00 | 21.00 | 10.05 | 56.25 | 5.40 | 5.60 | 4.25 | 3.05 | 2.00 | | |
| 14 | 4.10 | 6.40 | 6.20 | 26.00 | 75.65 | 12.50 | 31.40 | 5.20 | 5.20 | 4.25 | 2.90 | 2.00 | | |
| 15 | 3.95 | 6.00 | 5.80 | 57.95 | 111.30 | 11.80 | 25.00 | 5.60 | 5.00 | 4.25 | 2.90 | 2.00 | | |
| 16 | 3.35 | 6.00 | 6.80 | 41.50 | 142.00 | 10.75 | 20.50 | 5.40 | 5.00 | 4.10 | 2.90 | 2.90 | | |
| 17 | 3.05 | 6.40 | 7.80 | 39.40 | 128.90 | 10.05 | 18.50 | 5.20 | 4.85 | 4.10 | 2.75 | 2.60 | | |
| 18 | 3.20 | 100.00 | 7.80 | 27.20 | 54.55 | 12.15 | 16.00 | 5.20 | 5.00 | 4.10 | 2.75 | 2.15 | | |
| 19 | 3.35 | 77.55 | 7.20 | 17.00 | 49.90 | 7.60 | 14.25 | 5.00 | 5.00 | 4.10 | 2.75 | 2.00 | | |
| 20 | 3.35 | 69.00 | 8.20 | 16.00 | 30.20 | 6.80 | 13.20 | 5.00 | 5.00 | 3.95 | 2.75 | 4.10 | | |
| 21 | 3.65 | 36.20 | 9.35 | 13.55 | 23.50 | 6.60 | 12.15 | 6.00 | 4.85 | 3.80 | 2.60 | 5.60 | | |
| 22 | 3.50 | 30.80 | 10.05 | 12.50 | 21.00 | 6.60 | 11.10 | 6.00 | 4.85 | 3.65 | 2.60 | 5.00 | | |
| 23 | 3.50 | 29.60 | 9.00 | 12.50 | 17.00 | 7.00 | 9.70 | 6.00 | 4.85 | 3.50 | 2.60 | 3.95 | | |
| 24 | 3.50 | 23.00 | 8.40 | 12.50 | 13.20 | 6.80 | 14.25 | 6.00 | 4.55 | 3.50 | 2.60 | 2.75 | | |
| 25 | 4.25 | 16.00 | 8.00 | 12.15 | 11.10 | 14.25 | 16.00 | 5.80 | 4.40 | 3.35 | 2.60 | 3.50 | | |
| 26 | 6.20 | 12.15 | 8.00 | 9.70 | 13.90 | 121.20 | 8.80 | 5.40 | 4.40 | 3.35 | 2.60 | 3.50 | | |
| 27 | 4.55 | 11.10 | 7.60 | 10.75 | 27.80 | 57.95 | 8.60 | 5.00 | 4.10 | 3.35 | 2.60 | 3.50 | | |
| 28 | 4.10 | 11.10 | 7.00 | 12.50 | 21.00 | 35.60 | 8.80 | 4.70 | 4.10 | 3.35 | 2.45 | 2.90 | | |
| 29 | 3.95 | 9.00 | 6.40 | 12.15 | 19.50 | 20.00 | 7.80 | 4.55 | 4.10 | 3.35 | | 2.75 | | |
| 30 | 3.80 | 8.80 | 6.20 | 75.65 | 18.50 | 33.80 | 7.40 | 4.40 | 4.10 | 3.35 | | 2.75 | | |
| 31 | | 8.20 | | 19.00 | 16.00 | | 7.20 | | 4.10 | 3.35 | | 2.75 | | |
| Total | 107.95 | 523.95 | 219.00 | 617.40 | 1210.35 | 516.90 | 1017.15 | 172.45 | 161.25 | 124.55 | 81.80 | 89.90 | 4842.65 | CMSDAY |
| Mean | 3.60 | 16.90 | 7.30 | 19.92 | 39.04 | 17.23 | 32.81 | 5.75 | 5.20 | 4.02 | 2.92 | 2.90 | 13.27 | CMS |
| Max | 6.20 | 100.00 | 10.05 | 75.65 | 142.00 | 121.20 | 100.00 | 7.20 | 6.40 | 5.00 | 3.35 | 5.60 | 142.00 | CMS |
| Min | 2.45 | 2.90 | 5.60 | 6.40 | 11.10 | 6.60 | 7.20 | 4.40 | 4.10 | 3.35 | 2.45 | 2.00 | 2.00 | CMS |
| Runoff | 9.33 | 45.27 | 18.92 | 53.34 | 104.57 | 44.66 | 87.88 | 14.90 | 13.93 | 10.76 | 7.07 | 7.77 | 418.40 | MCM |

Momentary Peak 187.00 CMS. at 23.70 m. (MSL.) at 18.00 Hours , on Aug 16, 2006

Runoff Yield 79.06 Liters/Second/Square KM. Momentary Peak Yield 1114.36 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Had Sompan at Mueang, Ranong (X.209)

Lat 09 - 57 - 34 N Long 98 - 38 - 52 E

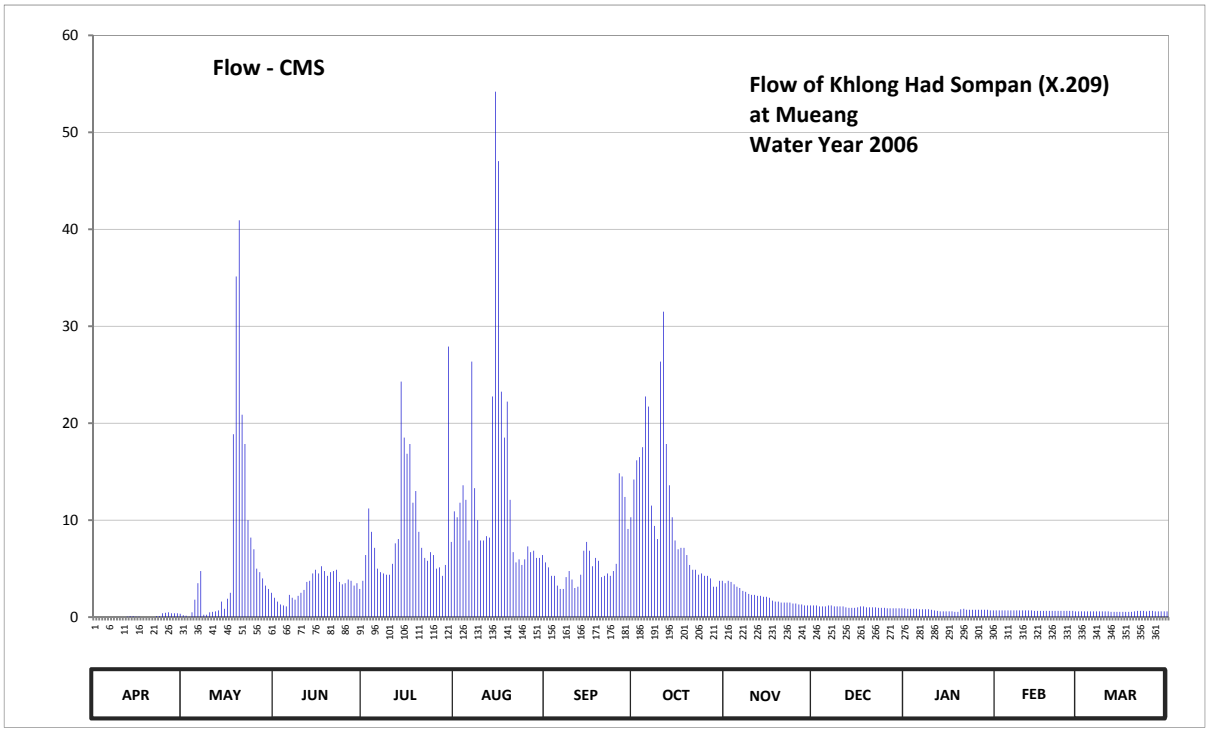
**Location : on right bank at the bridge.**

| | | | | | |
|---|---|---|---|---|---|
| | **Ban** - | | **Amphoe** Mueang | **Changwat** Ranong | |
| **Drainge Area** | 19 sq.km. | | | | |
| **Type of Gage** | Water - stage recorder. | | | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | | | |
| **Bench Mark** | B.M.-H.D. | | | | |
| **Location BM** | Near the top staff gage. | | | **Elevation** | +13.823 m. (MSL.) |
| **Gage Reading Frequency** | Recording. | | | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | | | |
| **Period of Available Gage Records** | 2005 to date | | | | |
| **Rating Operation** | | | | | |
| **Period of Rating** | 2005 to date | | | | |
| **Rated by Flot** | - | | | | |
| **Rated by Current Meter** | 2005 to date | | | | |
| **Stability of Channel Regimes** | Fairly stable. | | | | |
| **Overbank Flow Conditions** | No overbank flow. | | | | |
| **General Description** | Records fair. Stage-discharge relation defined by 23 discharge measurements made in 2006. | | | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.79 | 7.84 | 8.10 | 8.26 | 8.68 | 8.41 | 8.79 | 8.24 | 8.02 | 7.98 | 7.94 | 7.92 | |
| 2 | 7.79 | 7.83 | 8.06 | 8.46 | 8.66 | 8.37 | 8.85 | 8.26 | 8.02 | 7.97 | 7.94 | 7.92 | |
| 3 | 7.79 | 7.81 | 8.03 | 8.69 | 8.71 | 8.30 | 8.86 | 8.25 | 8.01 | 7.97 | 7.94 | 7.92 | |
| 4 | 7.79 | 7.90 | 8.02 | 8.61 | 8.77 | 8.30 | 8.89 | 8.23 | 8.01 | 7.97 | 7.94 | 7.92 | |
| 5 | 7.79 | 8.08 | 8.01 | 8.51 | 8.72 | 8.22 | 9.03 | 8.21 | 8.01 | 7.97 | 7.94 | 7.92 | |
| 6 | 7.79 | 8.24 | 8.13 | 8.36 | 8.56 | 8.19 | 9.01 | 8.20 | 8.02 | 7.96 | 7.94 | 7.92 | |
| 7 | 7.79 | 8.34 | 8.10 | 8.33 | 9.10 | 8.19 | 8.70 | 8.17 | 8.02 | 7.96 | 7.94 | 7.92 | |
| 8 | 7.79 | 7.85 | 8.08 | 8.32 | 8.76 | 8.29 | 8.63 | 8.16 | 8.01 | 7.96 | 7.94 | 7.92 | |
| 9 | 7.79 | 7.85 | 8.12 | 8.31 | 8.65 | 8.34 | 8.57 | 8.14 | 8.01 | 7.96 | 7.94 | 7.92 | |
| 10 | 7.79 | 7.90 | 8.15 | 8.31 | 8.56 | 8.27 | 9.10 | 8.13 | 8.01 | 7.95 | 7.94 | 7.92 | |
| 11 | 7.79 | 7.91 | 8.18 | 8.40 | 8.56 | 8.20 | 9.20 | 8.13 | 8.01 | 7.94 | 7.94 | 7.92 | |
| 12 | 7.81 | 7.92 | 8.25 | 8.54 | 8.59 | 8.21 | 8.90 | 8.12 | 8.00 | 7.93 | 7.94 | 7.91 | |
| 13 | 7.82 | 7.94 | 8.26 | 8.57 | 8.58 | 8.31 | 8.77 | 8.12 | 7.99 | 7.92 | 7.94 | 7.91 | |
| 14 | 7.82 | 8.06 | 8.32 | 9.06 | 9.03 | 8.49 | 8.66 | 8.11 | 7.99 | 7.92 | 7.93 | 7.91 | |
| 15 | 7.81 | 7.97 | 8.35 | 8.92 | 9.48 | 8.55 | 8.56 | 8.11 | 7.99 | 7.92 | 7.93 | 7.91 | |
| 16 | 7.81 | 8.09 | 8.32 | 8.87 | 9.41 | 8.49 | 8.50 | 8.10 | 8.00 | 7.92 | 7.93 | 7.91 | |
| 17 | 7.80 | 8.15 | 8.38 | 8.90 | 9.04 | 8.38 | 8.51 | 8.07 | 8.01 | 7.92 | 7.93 | 7.91 | |
| 18 | 7.80 | 8.93 | 8.34 | 8.71 | 8.92 | 8.44 | 8.51 | 8.06 | 8.01 | 7.91 | 7.93 | 7.91 | |
| 19 | 7.80 | 9.25 | 8.30 | 8.75 | 9.02 | 8.42 | 8.46 | 8.06 | 8.00 | 7.91 | 7.93 | 7.91 | |
| 20 | 7.80 | 9.33 | 8.33 | 8.61 | 8.72 | 8.29 | 8.39 | 8.05 | 8.00 | 7.96 | 7.93 | 7.92 | |
| 21 | 7.80 | 8.99 | 8.34 | 8.51 | 8.48 | 8.30 | 8.35 | 8.05 | 8.00 | 7.97 | 7.93 | 7.93 | |
| 22 | 7.82 | 8.90 | 8.35 | 8.44 | 8.41 | 8.32 | 8.35 | 8.05 | 8.00 | 7.95 | 7.93 | 7.93 | |
| 23 | 7.82 | 8.65 | 8.25 | 8.42 | 8.43 | 8.30 | 8.31 | 8.05 | 7.99 | 7.95 | 7.93 | 7.93 | |
| 24 | 7.88 | 8.58 | 8.23 | 8.48 | 8.39 | 8.34 | 8.32 | 8.04 | 7.99 | 7.95 | 7.93 | 7.92 | |
| 25 | 7.89 | 8.50 | 8.24 | 8.46 | 8.43 | 8.40 | 8.30 | 8.04 | 7.99 | 7.95 | 7.93 | 7.93 | |
| 26 | 7.90 | 8.36 | 8.27 | 8.36 | 8.52 | 8.81 | 8.30 | 8.03 | 7.98 | 7.95 | 7.93 | 7.93 | |
| 27 | 7.88 | 8.33 | 8.26 | 8.37 | 8.48 | 8.80 | 8.28 | 8.03 | 7.98 | 7.95 | 7.93 | 7.92 | |
| 28 | 7.88 | 8.28 | 8.22 | 8.30 | 8.49 | 8.73 | 8.21 | 8.02 | 7.98 | 7.95 | 7.92 | 7.92 | |
| 29 | 7.88 | 8.22 | 8.24 | 8.39 | 8.44 | 8.62 | 8.21 | 8.02 | 7.98 | 7.95 | | 7.92 | |
| 30 | 7.87 | 8.19 | 8.19 | 9.13 | 8.44 | 8.66 | 8.26 | 8.02 | 7.98 | 7.94 | | 7.92 | |
| 31 | | 8.15 | | 8.55 | 8.46 | | 8.26 | | 7.98 | 7.94 | | 7.92 | |
| Mean | 7.82 | 8.27 | 8.21 | 8.55 | 8.69 | 8.40 | 8.58 | 8.11 | 8.00 | 7.95 | 7.93 | 7.92 | |
| Max | 7.90 | 9.33 | 8.38 | 9.13 | 9.48 | 8.81 | 9.20 | 8.26 | 8.02 | 7.98 | 7.94 | 7.93 | 9.48 |
| Min | 7.79 | 7.81 | 8.01 | 8.26 | 8.39 | 8.19 | 8.21 | 8.02 | 7.98 | 7.91 | 7.92 | 7.91 | 7.79 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 9.70 | m. (MSL.) , | at 12.00 Hours , on Aug 7 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 7.38 | m. (MSL.) |
| Left Bank Elevation | 14.38 | m. (MSL.) , | | | |
| Right Bank Elevation | 14.20 | m. (MSL.) , | Drainage Are | 19 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.20 | 2.00 | 3.75 | 10.90 | 5.65 | 14.20 | 3.50 | 1.20 | 0.90 | 0.70 | 0.60 | | |
| 2 | 0.00 | 0.15 | 1.60 | 6.40 | 10.30 | 5.13 | 16.18 | 3.75 | 1.20 | 0.85 | 0.70 | 0.60 | | |
| 3 | 0.00 | 0.05 | 1.30 | 11.20 | 11.80 | 4.25 | 16.51 | 3.63 | 1.10 | 0.85 | 0.70 | 0.60 | | |
| 4 | 0.00 | 0.50 | 1.20 | 8.80 | 13.60 | 4.25 | 17.52 | 3.38 | 1.10 | 0.85 | 0.70 | 0.60 | | |
| 5 | 0.00 | 1.80 | 1.10 | 7.15 | 12.10 | 3.25 | 22.75 | 3.13 | 1.10 | 0.85 | 0.70 | 0.60 | | |
| 6 | 0.00 | 3.50 | 2.30 | 5.00 | 7.90 | 2.90 | 21.72 | 3.00 | 1.20 | 0.80 | 0.70 | 0.60 | | |
| 7 | 0.00 | 4.75 | 2.00 | 4.63 | 26.35 | 2.90 | 11.50 | 2.70 | 1.20 | 0.80 | 0.70 | 0.60 | | |
| 8 | 0.00 | 0.25 | 1.80 | 4.50 | 13.30 | 4.13 | 9.40 | 2.60 | 1.10 | 0.80 | 0.70 | 0.60 | | |
| 9 | 0.00 | 0.25 | 2.20 | 4.38 | 10.00 | 4.75 | 8.05 | 2.40 | 1.10 | 0.80 | 0.70 | 0.60 | | |
| 10 | 0.00 | 0.50 | 2.50 | 4.38 | 7.90 | 3.88 | 26.35 | 2.30 | 1.10 | 0.75 | 0.70 | 0.60 | | |
| 11 | 0.00 | 0.55 | 2.80 | 5.50 | 7.90 | 3.00 | 31.50 | 2.30 | 1.10 | 0.70 | 0.70 | 0.60 | | |
| 12 | 0.05 | 0.60 | 3.63 | 7.60 | 8.35 | 3.13 | 17.85 | 2.20 | 1.00 | 0.65 | 0.70 | 0.55 | | |
| 13 | 0.10 | 0.70 | 3.75 | 8.05 | 8.20 | 4.38 | 13.60 | 2.20 | 0.95 | 0.60 | 0.70 | 0.55 | | |
| 14 | 0.10 | 1.60 | 4.50 | 24.29 | 22.75 | 6.85 | 10.30 | 2.10 | 0.95 | 0.60 | 0.65 | 0.55 | | |
| 15 | 0.05 | 0.85 | 4.88 | 18.52 | 54.20 | 7.75 | 7.90 | 2.10 | 0.95 | 0.60 | 0.65 | 0.55 | | |
| 16 | 0.05 | 1.90 | 4.50 | 16.85 | 47.03 | 6.85 | 7.00 | 2.00 | 1.00 | 0.60 | 0.65 | 0.55 | | |
| 17 | 0.00 | 2.50 | 5.25 | 17.85 | 23.26 | 5.25 | 7.15 | 1.70 | 1.10 | 0.60 | 0.65 | 0.55 | | |
| 18 | 0.00 | 18.86 | 4.75 | 11.80 | 18.52 | 6.10 | 7.15 | 1.60 | 1.10 | 0.55 | 0.65 | 0.55 | | |
| 19 | 0.00 | 35.13 | 4.25 | 13.00 | 22.23 | 5.80 | 6.40 | 1.60 | 1.00 | 0.55 | 0.65 | 0.55 | | |
| 20 | 0.00 | 40.93 | 4.63 | 8.80 | 12.10 | 4.13 | 5.38 | 1.50 | 1.00 | 0.80 | 0.65 | 0.60 | | |
| 21 | 0.00 | 20.87 | 4.75 | 7.15 | 6.70 | 4.25 | 4.88 | 1.50 | 1.00 | 0.85 | 0.65 | 0.65 | | |
| 22 | 0.10 | 17.85 | 4.88 | 6.10 | 5.65 | 4.50 | 4.88 | 1.50 | 1.00 | 0.75 | 0.65 | 0.65 | | |
| 23 | 0.10 | 10.00 | 3.63 | 5.80 | 5.95 | 4.25 | 4.38 | 1.50 | 0.95 | 0.75 | 0.65 | 0.65 | | |
| 24 | 0.40 | 8.20 | 3.38 | 6.70 | 5.38 | 4.75 | 4.50 | 1.40 | 0.95 | 0.75 | 0.65 | 0.60 | | |
| 25 | 0.45 | 7.00 | 3.50 | 6.40 | 5.95 | 5.50 | 4.25 | 1.40 | 0.95 | 0.75 | 0.65 | 0.65 | | |
| 26 | 0.50 | 5.00 | 3.88 | 5.00 | 7.30 | 14.84 | 4.25 | 1.30 | 0.90 | 0.75 | 0.65 | 0.65 | | |
| 27 | 0.40 | 4.63 | 3.75 | 5.13 | 6.70 | 14.50 | 4.00 | 1.30 | 0.90 | 0.75 | 0.65 | 0.60 | | |
| 28 | 0.40 | 4.00 | 3.25 | 4.25 | 6.85 | 12.40 | 3.13 | 1.20 | 0.90 | 0.75 | 0.60 | 0.60 | | |
| 29 | 0.40 | 3.25 | 3.50 | 5.38 | 6.10 | 9.10 | 3.13 | 1.20 | 0.90 | 0.75 | | 0.60 | | |
| 30 | 0.35 | 2.90 | 2.90 | 27.90 | 6.10 | 10.30 | 3.75 | 1.20 | 0.90 | 0.70 | | 0.60 | | |
| 31 | | 2.50 | | 7.75 | 6.40 | | 3.75 | | 0.90 | 0.70 | | 0.60 | | |
| Total | 3.45 | 201.77 | 98.36 | 280.01 | 417.77 | 178.72 | 323.31 | 63.19 | 31.80 | 22.75 | 18.80 | 18.45 | 1658.38 | CMSDAY |
| Mean | 0.11 | 6.51 | 3.28 | 9.03 | 13.48 | 5.96 | 10.43 | 2.11 | 1.03 | 0.73 | 0.67 | 0.60 | 4.54 | CMS |
| Max | 0.50 | 40.93 | 5.25 | 27.90 | 54.20 | 14.84 | 31.50 | 3.75 | 1.20 | 0.90 | 0.70 | 0.65 | 54.20 | CMS |
| Min | 0.00 | 0.05 | 1.10 | 3.75 | 5.38 | 2.90 | 3.13 | 1.20 | 0.90 | 0.55 | 0.60 | 0.55 | 0.00 | CMS |
| Runoff | 0.30 | 17.43 | 8.50 | 24.19 | 36.10 | 15.44 | 27.93 | 5.46 | 2.75 | 1.97 | 1.62 | 1.59 | 143.28 | MCM |

Momentary Peak 79.75 CMS. at 9.70 m. (MSL.) at 12.00 Hours , on Aug 7 , 2006

Runoff Yield 230.85 Liters/Second/Square KM. Momentary Peak Yield 4051.93 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Trang River at Ban Klang , Trang (X.228)

Lat 07 - 38 - 45 N Long 99 - 31 - 59 E

**Location : on left bank at Ban Klang.**

| | | | |
|---|---|---|---|
| | **Ban** Klang | **Amphoe** Mueang | **Changwat** Trang |
| **Drainge Area** | 1,374 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the gage site. | | **Elevation** +11.741 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 15 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

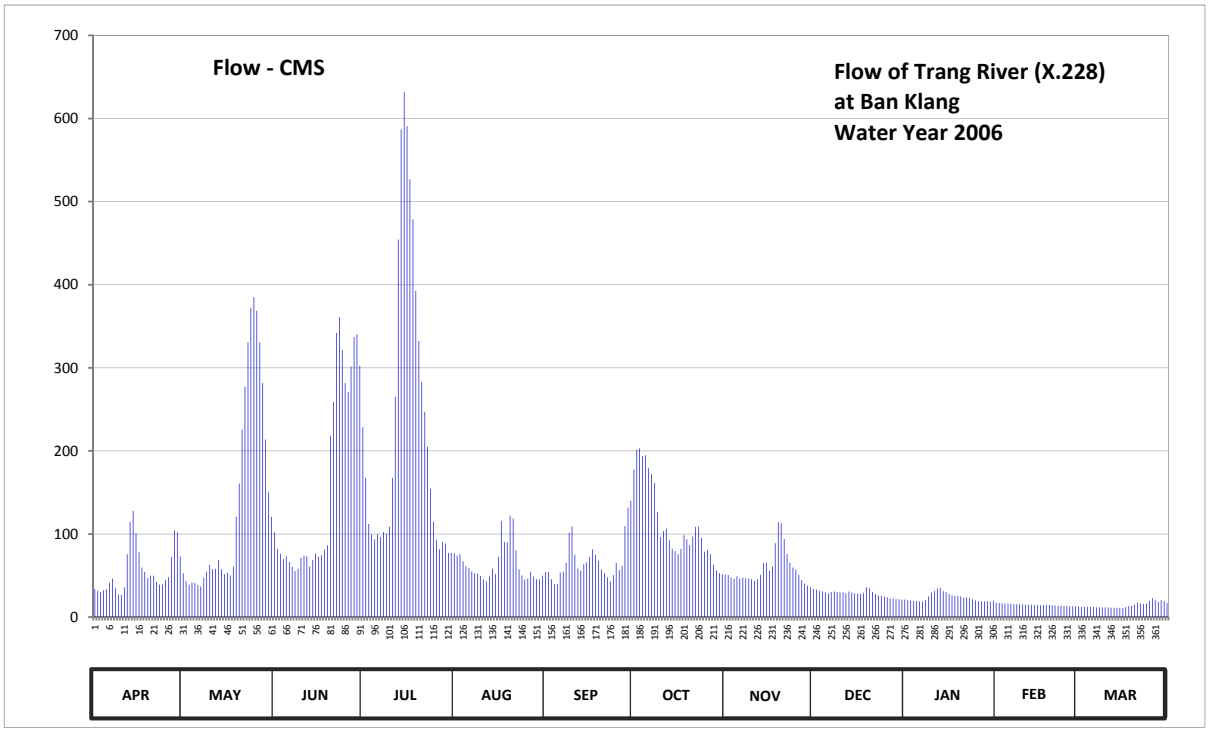
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.45 | 4.00 | 5.16 | 7.24 | 4.62 | 4.03 | 6.54 | 3.95 | 3.45 | 3.04 | 2.86 | 2.58 | |
| 2 | 3.39 | 3.72 | 4.75 | 6.39 | 4.55 | 4.04 | 6.88 | 3.93 | 3.43 | 3.01 | 2.85 | 2.56 | |
| 3 | 3.34 | 3.60 | 4.60 | 5.36 | 4.59 | 3.79 | 6.90 | 3.85 | 3.39 | 2.99 | 2.83 | 2.56 | |
| 4 | 3.41 | 3.68 | 4.45 | 5.11 | 4.38 | 3.63 | 6.77 | 3.81 | 3.36 | 2.98 | 2.82 | 2.55 | |
| 5 | 3.44 | 3.66 | 4.53 | 4.99 | 4.23 | 3.63 | 6.78 | 3.89 | 3.33 | 2.96 | 2.81 | 2.55 | |
| 6 | 3.67 | 3.59 | 4.36 | 5.11 | 4.18 | 4.02 | 6.56 | 3.81 | 3.29 | 2.94 | 2.80 | 2.54 | |
| 7 | 3.81 | 3.54 | 4.21 | 5.05 | 4.06 | 4.05 | 6.46 | 3.84 | 3.35 | 2.94 | 2.79 | 2.52 | |
| 8 | 3.48 | 3.84 | 4.07 | 5.17 | 3.99 | 4.33 | 6.28 | 3.82 | 3.36 | 3.02 | 2.77 | 2.52 | |
| 9 | 3.24 | 4.05 | 4.15 | 5.13 | 3.98 | 5.15 | 5.65 | 3.81 | 3.34 | 3.17 | 2.76 | 2.52 | |
| 10 | 3.23 | 4.27 | 4.48 | 5.29 | 3.90 | 5.30 | 5.05 | 3.79 | 3.32 | 3.33 | 2.75 | 2.51 | |
| 11 | 3.51 | 4.13 | 4.55 | 6.39 | 3.78 | 4.58 | 5.19 | 3.73 | 3.32 | 3.38 | 2.74 | 2.50 | |
| 12 | 4.59 | 4.15 | 4.53 | 7.62 | 3.71 | 4.16 | 5.25 | 3.78 | 3.29 | 3.46 | 2.74 | 2.49 | |
| 13 | 5.41 | 4.42 | 4.22 | 8.69 | 3.88 | 4.08 | 4.97 | 3.94 | 3.36 | 3.50 | 2.73 | 2.48 | |
| 14 | 5.67 | 4.13 | 4.42 | 9.09 | 4.16 | 4.29 | 4.76 | 4.32 | 3.33 | 3.37 | 2.72 | 2.48 | |
| 15 | 5.14 | 3.96 | 4.61 | 9.20 | 3.96 | 4.34 | 4.69 | 4.34 | 3.29 | 3.34 | 2.71 | 2.48 | |
| 16 | 4.65 | 4.01 | 4.52 | 9.10 | 4.51 | 4.51 | 4.59 | 4.08 | 3.28 | 3.26 | 2.70 | 2.47 | |
| 17 | 4.19 | 3.92 | 4.56 | 8.93 | 5.43 | 4.74 | 4.75 | 4.23 | 3.27 | 3.21 | 2.70 | 2.54 | |
| 18 | 4.04 | 4.22 | 4.73 | 8.78 | 4.93 | 4.57 | 5.09 | 4.90 | 3.31 | 3.18 | 2.71 | 2.62 | |
| 19 | 3.83 | 5.54 | 4.85 | 8.45 | 4.92 | 4.39 | 4.99 | 5.40 | 3.52 | 3.18 | 2.71 | 2.65 | |
| 20 | 3.91 | 6.27 | 7.11 | 8.14 | 5.56 | 4.12 | 4.85 | 5.38 | 3.48 | 3.17 | 2.70 | 2.73 | |
| 21 | 3.91 | 7.21 | 7.56 | 7.78 | 5.49 | 4.00 | 5.06 | 5.00 | 3.35 | 3.11 | 2.67 | 2.87 | |
| 22 | 3.70 | 7.73 | 8.20 | 7.44 | 4.71 | 3.85 | 5.29 | 4.60 | 3.26 | 3.12 | 2.65 | 2.82 | |
| 23 | 3.60 | 8.13 | 8.30 | 6.93 | 4.13 | 3.71 | 5.30 | 4.33 | 3.20 | 3.11 | 2.64 | 2.78 | |
| 24 | 3.61 | 8.36 | 8.07 | 6.15 | 3.92 | 3.93 | 5.03 | 4.19 | 3.18 | 3.05 | 2.62 | 2.82 | |
| 25 | 3.76 | 8.42 | 7.77 | 5.42 | 3.78 | 4.33 | 4.67 | 4.12 | 3.16 | 3.00 | 2.62 | 2.98 | |
| 26 | 3.86 | 8.34 | 7.67 | 4.98 | 3.81 | 4.11 | 4.72 | 3.94 | 3.13 | 2.97 | 2.61 | 3.09 | |
| 27 | 4.51 | 8.13 | 7.93 | 4.74 | 4.04 | 4.24 | 4.59 | 3.76 | 3.08 | 2.95 | 2.60 | 3.03 | |
| 28 | 5.21 | 7.77 | 8.17 | 4.93 | 3.88 | 5.31 | 4.27 | 3.64 | 3.07 | 2.95 | 2.60 | 2.92 | |
| 29 | 5.16 | 7.05 | 8.19 | 4.89 | 3.79 | 5.74 | 4.09 | 3.57 | 3.06 | 2.95 | | 3.01 | |
| 30 | 4.53 | 6.08 | 7.94 | 4.63 | 3.78 | 5.89 | 4.00 | 3.51 | 3.05 | 2.93 | | 2.96 | |
| 31 | | 5.53 | | 4.63 | 3.91 | | 3.96 | | 3.04 | 2.99 | | 2.84 | |
| Mean | 4.04 | 5.34 | 5.76 | 6.51 | 4.28 | 4.36 | 5.29 | 4.11 | 3.28 | 3.11 | 2.72 | 2.68 | |
| Max | 5.67 | 8.42 | 8.30 | 9.20 | 5.56 | 5.89 | 6.90 | 5.40 | 3.52 | 3.50 | 2.86 | 3.09 | 9.20 |
| Min | 3.23 | 3.54 | 4.07 | 4.63 | 3.71 | 3.63 | 3.96 | 3.51 | 3.04 | 2.93 | 2.60 | 2.47 | 2.47 |

Annual Max Momentary Gage Height 9.21 m. (MSL.) , at 06.00 Hours , on Jul 15, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 1.06 m. (MSL.)

Left Bank Elevation 11.99 m. (MSL.) ,

Right Bank Elevation 12.33 m. (MSL.) , Drainage Are 1,374 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.75 | 53.00 | 102.00 | 228.60 | 76.80 | 54.05 | 177.80 | 51.25 | 33.75 | 21.20 | 17.20 | 12.70 | | |
| 2 | 31.70 | 43.20 | 82.00 | 167.45 | 74.00 | 54.40 | 201.60 | 50.55 | 33.05 | 20.30 | 17.00 | 12.40 | | |
| 3 | 30.20 | 39.00 | 76.00 | 112.00 | 75.60 | 45.65 | 203.00 | 47.75 | 31.70 | 19.80 | 16.60 | 12.40 | | |
| 4 | 32.35 | 41.80 | 70.00 | 99.50 | 67.20 | 40.05 | 193.90 | 46.35 | 30.80 | 19.60 | 16.40 | 12.25 | | |
| 5 | 33.40 | 41.10 | 73.20 | 93.50 | 61.20 | 40.05 | 194.60 | 49.15 | 29.90 | 19.20 | 16.20 | 12.25 | | |
| 6 | 41.45 | 38.65 | 66.40 | 99.50 | 59.30 | 53.70 | 179.20 | 46.35 | 28.70 | 18.80 | 16.00 | 12.10 | | |
| 7 | 46.35 | 36.90 | 60.40 | 96.50 | 55.10 | 54.75 | 172.20 | 47.40 | 30.50 | 18.80 | 15.85 | 11.80 | | |
| 8 | 34.80 | 47.40 | 55.45 | 102.50 | 52.65 | 65.20 | 161.40 | 46.70 | 30.80 | 20.60 | 15.55 | 11.80 | | |
| 9 | 27.20 | 54.75 | 58.25 | 100.50 | 52.30 | 101.50 | 126.75 | 46.35 | 30.20 | 25.10 | 15.40 | 11.80 | | |
| 10 | 26.90 | 62.80 | 71.20 | 108.50 | 49.50 | 109.00 | 96.50 | 45.65 | 29.60 | 29.90 | 15.25 | 11.65 | | |
| 11 | 35.85 | 57.55 | 74.00 | 167.45 | 45.30 | 75.20 | 103.50 | 43.55 | 29.60 | 31.40 | 15.10 | 11.50 | | |
| 12 | 75.60 | 58.25 | 73.20 | 265.20 | 42.85 | 58.60 | 106.50 | 45.30 | 28.70 | 34.10 | 15.10 | 11.35 | | |
| 13 | 114.50 | 68.80 | 60.80 | 454.30 | 48.80 | 55.80 | 92.50 | 50.90 | 30.80 | 35.50 | 14.95 | 11.20 | | |
| 14 | 127.85 | 57.55 | 68.80 | 586.90 | 58.60 | 63.60 | 82.40 | 64.80 | 29.90 | 31.10 | 14.80 | 11.20 | | |
| 15 | 101.00 | 51.60 | 76.40 | 632.00 | 51.60 | 65.60 | 79.60 | 65.60 | 28.70 | 30.20 | 14.65 | 11.20 | | |
| 16 | 78.00 | 53.35 | 72.80 | 591.00 | 72.40 | 72.40 | 75.60 | 55.80 | 28.40 | 27.80 | 14.50 | 11.05 | | |
| 17 | 59.65 | 50.20 | 74.40 | 526.90 | 115.50 | 81.60 | 82.00 | 61.20 | 28.10 | 26.30 | 14.50 | 12.10 | | |
| 18 | 54.40 | 60.80 | 81.20 | 478.60 | 90.50 | 74.80 | 98.50 | 89.00 | 29.30 | 25.40 | 14.65 | 13.30 | | |
| 19 | 47.05 | 121.00 | 86.50 | 392.50 | 90.00 | 67.60 | 93.50 | 114.00 | 36.20 | 25.40 | 14.65 | 13.75 | | |
| 20 | 49.85 | 160.85 | 218.25 | 332.40 | 122.00 | 57.20 | 86.50 | 113.00 | 34.80 | 25.10 | 14.50 | 14.95 | | |
| 21 | 49.85 | 225.90 | 259.00 | 282.80 | 118.50 | 53.00 | 97.00 | 94.00 | 30.50 | 23.30 | 14.05 | 17.40 | | |
| 22 | 42.50 | 277.30 | 342.00 | 247.00 | 80.40 | 47.75 | 108.50 | 76.00 | 27.80 | 23.60 | 13.75 | 16.40 | | |
| 23 | 39.00 | 330.80 | 361.00 | 205.10 | 57.55 | 42.85 | 109.00 | 65.20 | 26.00 | 23.30 | 13.60 | 15.70 | | |
| 24 | 39.35 | 372.40 | 321.20 | 154.25 | 50.20 | 50.55 | 95.50 | 59.65 | 25.40 | 21.50 | 13.30 | 16.40 | | |
| 25 | 44.60 | 385.00 | 281.70 | 115.00 | 45.30 | 65.20 | 78.80 | 57.20 | 24.80 | 20.00 | 13.30 | 19.60 | | |
| 26 | 48.10 | 368.60 | 270.70 | 93.00 | 46.35 | 56.85 | 80.80 | 50.90 | 23.90 | 19.40 | 13.15 | 22.70 | | |
| 27 | 72.40 | 330.80 | 301.25 | 81.60 | 54.40 | 61.60 | 75.60 | 44.60 | 22.40 | 19.00 | 13.00 | 20.90 | | |
| 28 | 104.50 | 281.70 | 337.20 | 90.50 | 48.80 | 109.50 | 62.80 | 40.40 | 22.10 | 19.00 | 13.00 | 18.40 | | |
| 29 | 102.00 | 213.75 | 340.40 | 88.50 | 45.65 | 131.70 | 56.15 | 37.95 | 21.80 | 19.00 | | 20.30 | | |
| 30 | 73.20 | 150.40 | 302.50 | 77.20 | 45.30 | 139.95 | 53.00 | 35.85 | 21.50 | 18.60 | | 19.20 | | |
| 31 | | 120.50 | | 77.20 | 49.85 | | 51.60 | | 21.20 | 19.80 | | 16.80 | | |
| Total | 1697.35 | 4255.70 | 4718.20 | 7147.95 | 2003.50 | 2049.70 | 3476.30 | 1742.40 | 880.90 | 732.10 | 416.00 | 446.55 | 29566.65 | CMSDAY |
| Mean | 56.58 | 137.28 | 157.27 | 230.58 | 64.63 | 68.32 | 112.14 | 58.08 | 28.42 | 23.62 | 14.86 | 14.40 | 81.00 | CMS |
| Max | 127.85 | 385.00 | 361.00 | 632.00 | 122.00 | 139.95 | 203.00 | 114.00 | 36.20 | 35.50 | 17.20 | 22.70 | 632.00 | CMS |
| Min | 26.90 | 36.90 | 55.45 | 77.20 | 42.85 | 40.05 | 51.60 | 35.85 | 21.20 | 18.60 | 13.00 | 11.05 | 11.05 | CMS |
| Runoff | 146.65 | 367.69 | 407.65 | 617.58 | 173.10 | 177.09 | 300.35 | 150.54 | 76.11 | 63.25 | 35.94 | 38.58 | 2554.56 | MCM |

Momentary Peak 636.40 CMS. at 9.21 m. (MSL.) at 06.00 Hours , on Jul 15, 2006

Runoff Yield 30.15 Liters/Second/Square KM. Momentary Peak Yield 236.89 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Upper Khlong Nang Noi at Ban Ton Pring , Trang (X.229)

Lat 07 - 32 - 53 N Long 99 - 44 - 40 E

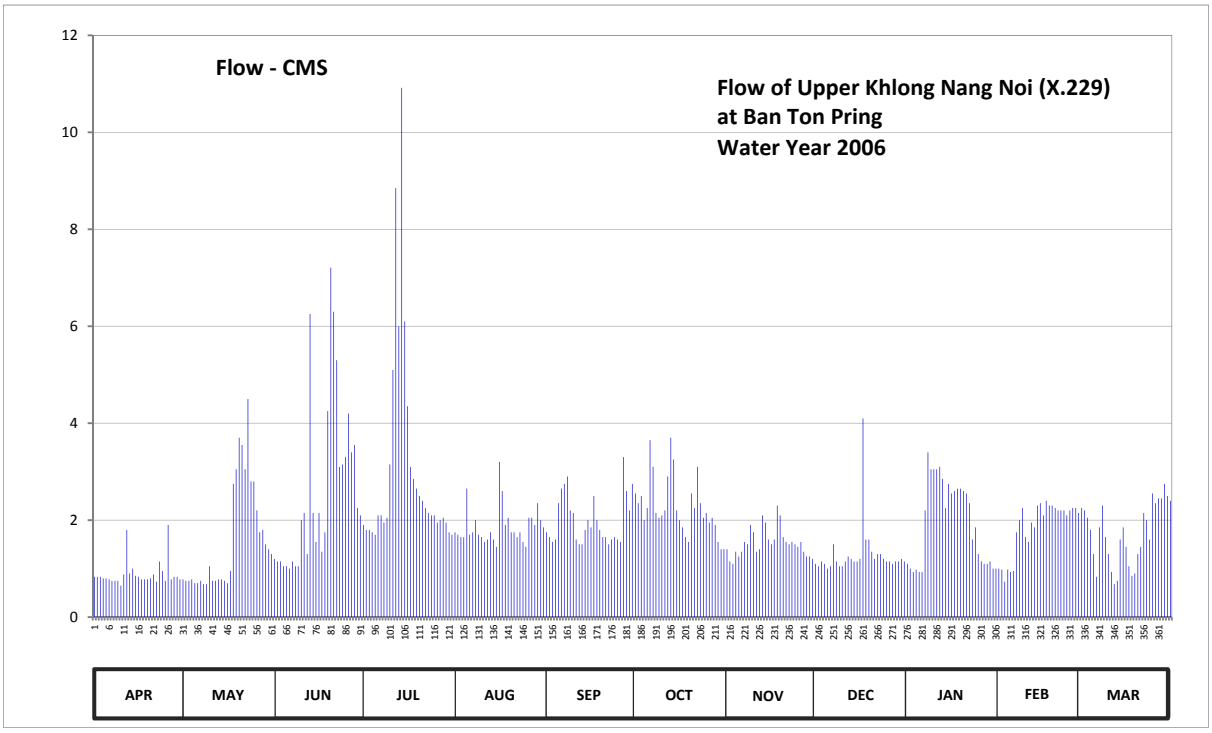
**Location : on left bank at Ban Ton Pring.**

| | | | |
|---|---|---|---|
| | **Ban** Ton Pring | **Amphoe** Na Yong | **Changwat** Trang |
| **Drainge Area** | 158 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the gage site. | | **Elevation** +32.452 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings | | |
| **Period of Available Gage Records** | 2003 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2003 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2003 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 14 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.53 | 28.51 | 28.64 | 28.78 | 28.75 | 28.75 | 28.91 | 28.68 | 28.62 | 28.62 | 28.60 | 28.85 | |
| 2 | 28.53 | 28.50 | 28.63 | 28.76 | 28.74 | 28.73 | 28.87 | 28.63 | 28.61 | 28.60 | 28.59 | 28.84 | |
| 3 | 28.53 | 28.50 | 28.63 | 28.76 | 28.73 | 28.71 | 28.90 | 28.62 | 28.63 | 28.57 | 28.49 | 28.81 | |
| 4 | 28.52 | 28.51 | 28.61 | 28.75 | 28.73 | 28.72 | 28.80 | 28.67 | 28.62 | 28.59 | 28.59 | 28.76 | |
| 5 | 28.52 | 28.48 | 28.61 | 28.74 | 28.93 | 28.87 | 28.85 | 28.65 | 28.60 | 28.57 | 28.57 | 28.66 | |
| 6 | 28.51 | 28.48 | 28.60 | 28.82 | 28.74 | 28.93 | 29.13 | 28.67 | 28.61 | 28.57 | 28.58 | 28.53 | |
| 7 | 28.50 | 28.50 | 28.63 | 28.82 | 28.75 | 28.95 | 29.02 | 28.71 | 28.70 | 28.84 | 28.75 | 28.77 | |
| 8 | 28.50 | 28.47 | 28.61 | 28.79 | 28.80 | 28.98 | 28.83 | 28.70 | 28.63 | 29.08 | 28.80 | 28.86 | |
| 9 | 28.50 | 28.47 | 28.61 | 28.81 | 28.74 | 28.84 | 28.81 | 28.78 | 28.61 | 29.01 | 28.85 | 28.73 | |
| 10 | 28.46 | 28.61 | 28.80 | 29.03 | 28.73 | 28.83 | 28.82 | 28.75 | 28.61 | 29.01 | 28.73 | 28.66 | |
| 11 | 28.55 | 28.50 | 28.83 | 29.42 | 28.71 | 28.72 | 28.84 | 28.67 | 28.63 | 29.01 | 28.71 | 28.57 | |
| 12 | 28.76 | 28.50 | 28.66 | 30.05 | 28.72 | 28.70 | 28.98 | 28.68 | 28.65 | 29.02 | 28.79 | 28.47 | |
| 13 | 28.56 | 28.51 | 29.65 | 29.60 | 28.75 | 28.70 | 29.14 | 28.82 | 28.64 | 28.97 | 28.77 | 28.50 | |
| 14 | 28.60 | 28.51 | 28.83 | 30.28 | 28.72 | 28.76 | 29.05 | 28.79 | 28.63 | 28.85 | 28.86 | 28.72 | |
| 15 | 28.54 | 28.50 | 28.71 | 29.62 | 28.69 | 28.80 | 28.84 | 28.72 | 28.63 | 28.95 | 28.87 | 28.77 | |
| 16 | 28.53 | 28.48 | 28.83 | 29.27 | 29.04 | 28.77 | 28.80 | 28.70 | 28.64 | 28.91 | 28.82 | 28.69 | |
| 17 | 28.51 | 28.58 | 28.67 | 29.02 | 28.92 | 28.90 | 28.77 | 28.72 | 29.22 | 28.92 | 28.88 | 28.61 | |
| 18 | 28.51 | 28.95 | 28.75 | 28.97 | 28.78 | 28.80 | 28.73 | 28.86 | 28.72 | 28.93 | 28.86 | 28.54 | |
| 19 | 28.51 | 29.01 | 29.25 | 28.93 | 28.81 | 28.76 | 28.71 | 28.82 | 28.72 | 28.93 | 28.86 | 28.56 | |
| 20 | 28.52 | 29.14 | 29.83 | 28.90 | 28.75 | 28.73 | 28.91 | 28.73 | 28.67 | 28.92 | 28.85 | 28.66 | |
| 21 | 28.55 | 29.11 | 29.66 | 28.88 | 28.75 | 28.73 | 28.85 | 28.71 | 28.64 | 28.91 | 28.84 | 28.69 | |
| 22 | 28.49 | 29.01 | 29.46 | 28.85 | 28.73 | 28.70 | 29.02 | 28.70 | 28.66 | 28.87 | 28.84 | 28.83 | |
| 23 | 28.63 | 29.30 | 29.02 | 28.83 | 28.75 | 28.72 | 28.87 | 28.71 | 28.66 | 28.72 | 28.84 | 28.80 | |
| 24 | 28.58 | 28.96 | 29.03 | 28.82 | 28.71 | 28.73 | 28.81 | 28.70 | 28.64 | 28.77 | 28.82 | 28.72 | |
| 25 | 28.50 | 28.96 | 29.06 | 28.82 | 28.69 | 28.72 | 28.83 | 28.69 | 28.63 | 28.66 | 28.84 | 28.91 | |
| 26 | 28.78 | 28.84 | 29.24 | 28.79 | 28.81 | 28.71 | 28.79 | 28.71 | 28.63 | 28.63 | 28.85 | 28.87 | |
| 27 | 28.51 | 28.75 | 29.08 | 28.80 | 28.81 | 29.06 | 28.81 | 28.67 | 28.62 | 28.62 | 28.85 | 28.89 | |
| 28 | 28.53 | 28.76 | 29.11 | 28.81 | 28.78 | 28.92 | 28.78 | 28.65 | 28.63 | 28.62 | 28.83 | 28.89 | |
| 29 | 28.53 | 28.70 | 28.85 | 28.79 | 28.87 | 28.84 | 28.71 | 28.65 | 28.63 | 28.63 | | 28.95 | |
| 30 | 28.51 | 28.68 | 28.82 | 28.75 | 28.80 | 28.95 | 28.68 | 28.64 | 28.64 | 28.60 | | 28.90 | |
| 31 | | 28.66 | | 28.74 | 28.77 | | 28.68 | | 28.63 | 28.60 | | 28.88 | |
| Mean | 28.54 | 28.69 | 28.92 | 29.00 | 28.77 | 28.80 | 28.86 | 28.71 | 28.66 | 28.79 | 28.77 | 28.74 | |
| Max | 28.78 | 29.30 | 29.83 | 30.28 | 29.04 | 29.06 | 29.14 | 28.86 | 29.22 | 29.08 | 28.88 | 28.95 | 30.28 |
| Min | 28.46 | 28.47 | 28.60 | 28.74 | 28.69 | 28.70 | 28.68 | 28.62 | 28.60 | 28.57 | 28.49 | 28.47 | 28.46 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 30.67 | m. (MSL.) , | at 09.00 Hours , on Jul 14, 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 26.99 | m. (MSL.) |
| Left Bank Elevation | 33.11 | m. (MSL.) , | | | |
| Right Bank Elevation | 33.17 | m. (MSL.) , | Drainage Are | 158 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.83 | 0.78 | 1.20 | 1.90 | 1.75 | 1.75 | 2.55 | 1.40 | 1.10 | 1.10 | 1.00 | 2.25 | | |
| 2 | 0.83 | 0.75 | 1.15 | 1.80 | 1.70 | 1.65 | 2.35 | 1.15 | 1.05 | 1.00 | 0.98 | 2.20 | | |
| 3 | 0.83 | 0.75 | 1.15 | 1.80 | 1.65 | 1.55 | 2.50 | 1.10 | 1.15 | 0.93 | 0.73 | 2.05 | | |
| 4 | 0.80 | 0.78 | 1.05 | 1.75 | 1.65 | 1.60 | 2.00 | 1.35 | 1.10 | 0.98 | 0.98 | 1.80 | | |
| 5 | 0.80 | 0.70 | 1.05 | 1.70 | 2.65 | 2.35 | 2.25 | 1.25 | 1.00 | 0.93 | 0.93 | 1.30 | | |
| 6 | 0.78 | 0.70 | 1.00 | 2.10 | 1.70 | 2.65 | 3.65 | 1.35 | 1.05 | 0.93 | 0.95 | 0.83 | | |
| 7 | 0.75 | 0.75 | 1.15 | 2.10 | 1.75 | 2.75 | 3.10 | 1.55 | 1.50 | 2.20 | 1.75 | 1.85 | | |
| 8 | 0.75 | 0.68 | 1.05 | 1.95 | 2.00 | 2.90 | 2.15 | 1.50 | 1.15 | 3.40 | 2.00 | 2.30 | | |
| 9 | 0.75 | 0.68 | 1.05 | 2.05 | 1.70 | 2.20 | 2.05 | 1.90 | 1.05 | 3.05 | 2.25 | 1.65 | | |
| 10 | 0.65 | 1.05 | 2.00 | 3.15 | 1.65 | 2.15 | 2.10 | 1.75 | 1.05 | 3.05 | 1.65 | 1.30 | | |
| 11 | 0.88 | 0.75 | 2.15 | 5.10 | 1.55 | 1.60 | 2.20 | 1.35 | 1.15 | 3.05 | 1.55 | 0.93 | | |
| 12 | 1.80 | 0.75 | 1.30 | 8.85 | 1.60 | 1.50 | 2.90 | 1.40 | 1.25 | 3.10 | 1.95 | 0.68 | | |
| 13 | 0.90 | 0.78 | 6.25 | 6.00 | 1.75 | 1.50 | 3.70 | 2.10 | 1.20 | 2.85 | 1.85 | 0.75 | | |
| 14 | 1.00 | 0.78 | 2.15 | 10.92 | 1.60 | 1.80 | 3.25 | 1.95 | 1.15 | 2.25 | 2.30 | 1.60 | | |
| 15 | 0.85 | 0.75 | 1.55 | 6.10 | 1.45 | 2.00 | 2.20 | 1.60 | 1.15 | 2.75 | 2.35 | 1.85 | | |
| 16 | 0.83 | 0.70 | 2.15 | 4.35 | 3.20 | 1.85 | 2.00 | 1.50 | 1.20 | 2.55 | 2.10 | 1.45 | | |
| 17 | 0.78 | 0.95 | 1.35 | 3.10 | 2.60 | 2.50 | 1.85 | 1.60 | 4.10 | 2.60 | 2.40 | 1.05 | | |
| 18 | 0.78 | 2.75 | 1.75 | 2.85 | 1.90 | 2.00 | 1.65 | 2.30 | 1.60 | 2.65 | 2.30 | 0.85 | | |
| 19 | 0.78 | 3.05 | 4.25 | 2.65 | 2.05 | 1.80 | 1.55 | 2.10 | 1.60 | 2.65 | 2.30 | 0.90 | | |
| 20 | 0.80 | 3.70 | 7.21 | 2.50 | 1.75 | 1.65 | 2.55 | 1.65 | 1.35 | 2.60 | 2.25 | 1.30 | | |
| 21 | 0.88 | 3.55 | 6.30 | 2.40 | 1.75 | 1.65 | 2.25 | 1.55 | 1.20 | 2.55 | 2.20 | 1.45 | | |
| 22 | 0.73 | 3.05 | 5.30 | 2.25 | 1.65 | 1.50 | 3.10 | 1.50 | 1.30 | 2.35 | 2.20 | 2.15 | | |
| 23 | 1.15 | 4.50 | 3.10 | 2.15 | 1.75 | 1.60 | 2.35 | 1.55 | 1.30 | 1.60 | 2.20 | 2.00 | | |
| 24 | 0.95 | 2.80 | 3.15 | 2.10 | 1.55 | 1.65 | 2.05 | 1.50 | 1.20 | 1.85 | 2.10 | 1.60 | | |
| 25 | 0.75 | 2.80 | 3.30 | 2.10 | 1.45 | 1.60 | 2.15 | 1.45 | 1.15 | 1.30 | 2.20 | 2.55 | | |
| 26 | 1.90 | 2.20 | 4.20 | 1.95 | 2.05 | 1.55 | 1.95 | 1.55 | 1.15 | 1.15 | 2.25 | 2.35 | | |
| 27 | 0.78 | 1.75 | 3.40 | 2.00 | 2.05 | 3.30 | 2.05 | 1.35 | 1.10 | 1.10 | 2.25 | 2.45 | | |
| 28 | 0.83 | 1.80 | 3.55 | 2.05 | 1.90 | 2.60 | 1.90 | 1.25 | 1.15 | 1.10 | 2.15 | 2.45 | | |
| 29 | 0.83 | 1.50 | 2.25 | 1.95 | 2.35 | 2.20 | 1.55 | 1.25 | 1.15 | 1.15 | | 2.75 | | |
| 30 | 0.78 | 1.40 | 2.10 | 1.75 | 2.00 | 2.75 | 1.40 | 1.20 | 1.20 | 1.00 | | 2.50 | | |
| 31 | | 1.30 | | 1.70 | 1.85 | | 1.40 | | 1.15 | 1.00 | | 2.40 | | |
| Total | 26.75 | 49.23 | 78.61 | 95.12 | 58.00 | 60.15 | 70.70 | 46.00 | 40.00 | 60.77 | 52.12 | 53.54 | 690.99 | CMSDAY |
| Mean | 0.89 | 1.59 | 2.62 | 3.07 | 1.87 | 2.00 | 2.28 | 1.53 | 1.29 | 1.96 | 1.86 | 1.73 | 1.89 | CMS |
| Max | 1.90 | 4.50 | 7.21 | 10.92 | 3.20 | 3.30 | 3.70 | 2.30 | 4.10 | 3.40 | 2.40 | 2.75 | 10.92 | CMS |
| Min | 0.65 | 0.68 | 1.00 | 1.70 | 1.45 | 1.50 | 1.40 | 1.10 | 1.00 | 0.93 | 0.73 | 0.68 | 0.65 | CMS |
| Runoff | 2.31 | 4.25 | 6.79 | 8.22 | 5.01 | 5.20 | 6.11 | 3.97 | 3.46 | 5.25 | 4.50 | 4.63 | 59.70 | MCM |

Momentary Peak 15.11 CMS. at 30.67 m. (MSL.) at 09.00 Hours , on Jul 14, 2006

Runoff Yield 33.81 Liters/Second/Square KM. Momentary Peak Yield 269.82 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Upper Trang River at Ban Sai Han, Trang (X.233)

Lat 07 - 50 - 17 N Long 99 - 32 - 46 E

**Location : on left bank at BanSai Han.**

| | |
|---|---|
| | **Ban** Sai Han **Amphoe** Huai Yot **Changwat** Trang |
| **Drainge Area** | 1,478 sq.km. |
| **Type of Gage** | Staff gage |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) |
| **Bench Mark** | B.M.-H.D. |
| **Location BM** | Near the gage site. **Elevation** +24.186 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 5 readings |
| **Period of Available Gage Records** | 2004 to date |
| **Rating Operation** | |
| **Period of Rating** | 2004 to date |
| **Rated by Flot** | - |
| **Rated by Current Meter** | 2004 to date |
| **Stability of Channel Regimes** | Stable. |
| **Overbank Flow Conditions** | No overbank flow. |
| **General Description** | Records good. Stage-discharge relation defined by 15 discharge measurements made in 2006. |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

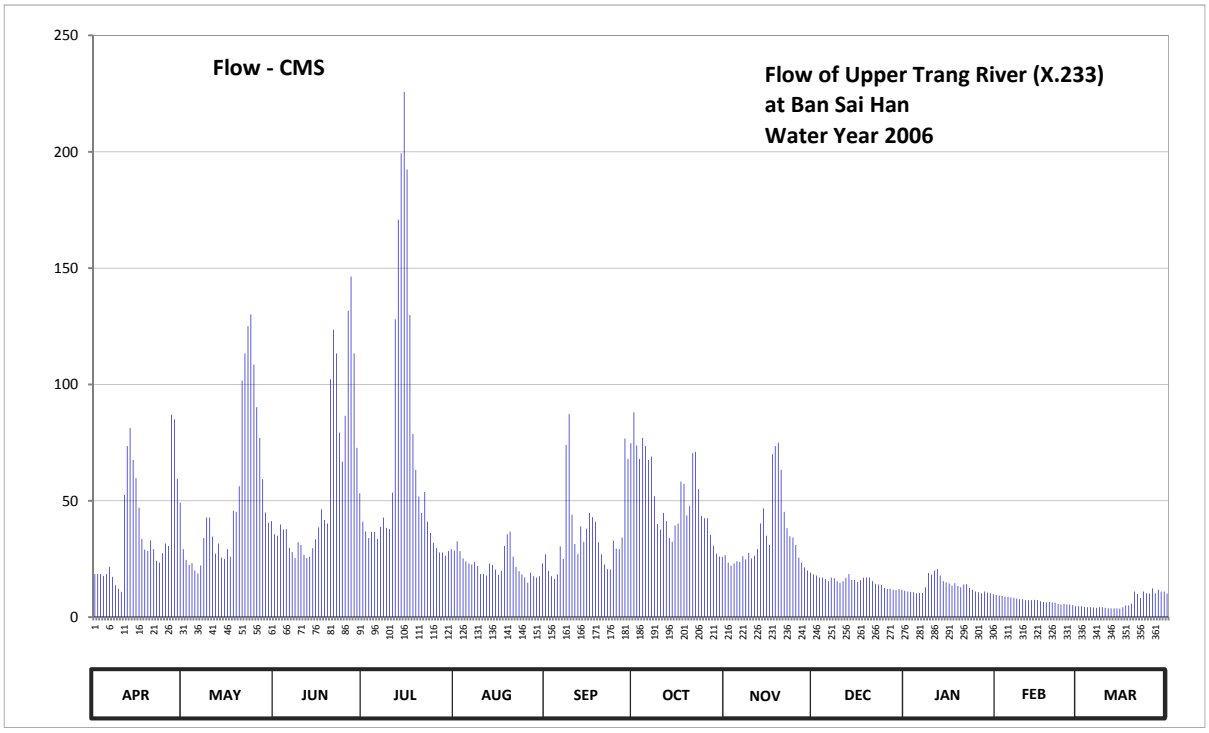
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.10 | 14.66 | 14.98 | 15.24 | 14.63 | 14.55 | 17.12 | 14.53 | 14.09 | 13.62 | 13.50 | 13.18 | |
| 2 | 14.10 | 14.43 | 14.95 | 15.04 | 14.83 | 14.19 | 16.55 | 14.37 | 14.06 | 13.60 | 13.48 | 13.18 | |
| 3 | 14.10 | 14.32 | 15.19 | 14.90 | 14.62 | 14.04 | 16.32 | 14.30 | 14.00 | 13.59 | 13.47 | 13.16 | |
| 4 | 14.05 | 14.36 | 15.08 | 15.03 | 14.46 | 13.96 | 16.68 | 14.35 | 14.00 | 13.58 | 13.45 | 13.15 | |
| 5 | 14.10 | 14.20 | 15.09 | 15.03 | 14.40 | 14.09 | 16.54 | 14.40 | 13.96 | 13.55 | 13.45 | 13.15 | |
| 6 | 14.28 | 14.12 | 14.69 | 14.88 | 14.35 | 14.72 | 16.30 | 14.39 | 13.90 | 13.56 | 13.43 | 13.14 | |
| 7 | 14.02 | 14.31 | 14.60 | 15.14 | 14.33 | 14.45 | 16.36 | 14.51 | 14.00 | 13.56 | 13.42 | 13.13 | |
| 8 | 13.78 | 14.90 | 14.47 | 15.31 | 14.39 | 16.56 | 15.68 | 14.44 | 13.98 | 13.72 | 13.40 | 13.15 | |
| 9 | 13.68 | 15.31 | 14.81 | 15.12 | 14.30 | 17.09 | 15.20 | 14.58 | 13.90 | 14.13 | 13.38 | 13.15 | |
| 10 | 13.59 | 15.31 | 14.75 | 15.09 | 14.10 | 15.36 | 15.08 | 14.46 | 13.85 | 14.08 | 13.38 | 13.13 | |
| 11 | 15.70 | 14.93 | 14.54 | 15.74 | 14.10 | 14.77 | 15.39 | 14.52 | 13.90 | 14.20 | 13.35 | 13.12 | |
| 12 | 16.54 | 14.56 | 14.47 | 18.50 | 14.06 | 14.55 | 15.25 | 14.66 | 13.99 | 14.23 | 13.35 | 13.12 | |
| 13 | 16.85 | 14.78 | 14.50 | 19.72 | 14.35 | 15.15 | 14.90 | 15.21 | 14.10 | 14.06 | 13.35 | 13.12 | |
| 14 | 16.30 | 14.48 | 14.68 | 20.43 | 14.32 | 14.82 | 14.82 | 15.47 | 13.93 | 13.90 | 13.36 | 13.12 | |
| 15 | 15.99 | 14.45 | 14.87 | 20.94 | 14.22 | 15.10 | 15.17 | 14.95 | 13.93 | 13.86 | 13.35 | 13.11 | |
| 16 | 15.48 | 14.66 | 15.13 | 20.26 | 14.08 | 15.39 | 15.21 | 14.75 | 13.87 | 13.83 | 13.32 | 13.15 | |
| 17 | 14.88 | 14.50 | 15.45 | 18.56 | 14.19 | 15.32 | 15.93 | 16.40 | 13.92 | 13.77 | 13.30 | 13.20 | |
| 18 | 14.65 | 15.43 | 15.27 | 16.75 | 14.73 | 15.24 | 15.89 | 16.54 | 14.00 | 13.84 | 13.29 | 13.20 | |
| 19 | 14.62 | 15.41 | 15.21 | 16.13 | 14.98 | 14.81 | 15.35 | 16.60 | 14.00 | 13.76 | 13.30 | 13.25 | |
| 20 | 14.85 | 15.85 | 17.64 | 15.67 | 15.04 | 14.55 | 15.51 | 16.13 | 14.00 | 13.72 | 13.29 | 13.60 | |
| 21 | 14.66 | 17.62 | 18.35 | 15.39 | 14.50 | 14.33 | 16.42 | 15.41 | 13.90 | 13.80 | 13.28 | 13.53 | |
| 22 | 14.41 | 18.01 | 18.01 | 15.75 | 14.28 | 14.23 | 16.44 | 15.11 | 13.82 | 13.81 | 13.24 | 13.41 | |
| 23 | 14.37 | 18.40 | 16.77 | 15.24 | 14.18 | 14.22 | 15.80 | 14.94 | 13.80 | 13.70 | 13.23 | 13.60 | |
| 24 | 14.57 | 18.57 | 16.27 | 15.01 | 14.09 | 14.84 | 15.34 | 14.91 | 13.79 | 13.65 | 13.24 | 13.55 | |
| 25 | 14.78 | 17.85 | 17.06 | 14.80 | 14.00 | 14.67 | 15.30 | 14.75 | 13.70 | 13.60 | 13.23 | 13.54 | |
| 26 | 14.73 | 17.21 | 18.62 | 14.68 | 13.85 | 14.66 | 15.30 | 14.48 | 13.68 | 13.58 | 13.23 | 13.69 | |
| 27 | 17.08 | 16.68 | 19.04 | 14.59 | 14.14 | 14.91 | 14.97 | 14.37 | 13.68 | 13.55 | 13.21 | 13.55 | |
| 28 | 17.00 | 15.97 | 18.01 | 14.59 | 14.04 | 16.67 | 14.73 | 14.27 | 13.65 | 13.60 | 13.18 | 13.65 | |
| 29 | 15.98 | 15.40 | 16.51 | 14.52 | 14.00 | 16.32 | 14.56 | 14.20 | 13.64 | 13.57 | | 13.60 | |
| 30 | 15.57 | 15.22 | 15.73 | 14.62 | 14.04 | 16.59 | 14.50 | 14.14 | 13.67 | 13.55 | | 13.60 | |
| 31 | | 15.25 | | 14.66 | 14.35 | | 14.49 | | 13.65 | 13.52 | | 13.54 | |
| Mean | 14.96 | 15.52 | 15.82 | 16.04 | 14.32 | 15.01 | 15.58 | 14.87 | 13.88 | 13.74 | 13.34 | 13.32 | |
| Max | 17.08 | 18.57 | 19.04 | 20.94 | 15.04 | 17.09 | 17.12 | 16.60 | 14.10 | 14.23 | 13.50 | 13.69 | 20.94 |
| Min | 13.59 | 14.12 | 14.47 | 14.52 | 13.85 | 13.96 | 14.49 | 14.14 | 13.64 | 13.52 | 13.18 | 13.11 | 13.11 |

Annual Max Momentary Gage Height 21.00 m. (MSL.) , at 12.00 Hours , on Jul 15, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 12.70 m. (MSL.)

Left Bank Elevation 24.30 m. (MSL.) ,

Right Bank Elevation 24.30 m. (MSL.) , Drainage Are 1,478 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.50 | 29.20 | 35.60 | 41.00 | 28.60 | 27.00 | 88.00 | 26.60 | 18.35 | 11.30 | 9.50 | 4.70 | | |
| 2 | 18.50 | 24.60 | 35.00 | 36.80 | 32.60 | 19.85 | 73.75 | 23.40 | 17.90 | 11.00 | 9.20 | 4.70 | | |
| 3 | 18.50 | 22.40 | 39.80 | 34.00 | 28.40 | 17.60 | 68.00 | 22.00 | 17.00 | 10.85 | 9.05 | 4.40 | | |
| 4 | 17.75 | 23.20 | 37.60 | 36.60 | 25.20 | 16.40 | 77.00 | 23.00 | 17.00 | 10.70 | 8.75 | 4.25 | | |
| 5 | 18.50 | 20.00 | 37.80 | 36.60 | 24.00 | 18.35 | 73.50 | 24.00 | 16.40 | 10.25 | 8.75 | 4.25 | | |
| 6 | 21.60 | 18.80 | 29.80 | 33.60 | 23.00 | 30.40 | 67.50 | 23.80 | 15.50 | 10.40 | 8.45 | 4.10 | | |
| 7 | 17.30 | 22.20 | 28.00 | 38.80 | 22.60 | 25.00 | 69.00 | 26.20 | 17.00 | 10.40 | 8.30 | 3.95 | | |
| 8 | 13.70 | 34.00 | 25.40 | 42.75 | 23.80 | 74.00 | 52.00 | 24.80 | 16.70 | 12.80 | 8.00 | 4.25 | | |
| 9 | 12.20 | 42.75 | 32.20 | 38.40 | 22.00 | 87.25 | 40.00 | 27.60 | 15.50 | 18.95 | 7.70 | 4.25 | | |
| 10 | 10.85 | 42.75 | 31.00 | 37.80 | 18.50 | 44.00 | 37.60 | 25.20 | 14.75 | 18.20 | 7.70 | 3.95 | | |
| 11 | 52.50 | 34.60 | 26.80 | 53.50 | 18.50 | 31.40 | 44.75 | 26.40 | 15.50 | 20.00 | 7.25 | 3.80 | | |
| 12 | 73.50 | 27.20 | 25.40 | 128.00 | 17.90 | 27.00 | 41.25 | 29.20 | 16.85 | 20.60 | 7.25 | 3.80 | | |
| 13 | 81.25 | 31.60 | 26.00 | 170.80 | 23.00 | 39.00 | 34.00 | 40.25 | 18.50 | 17.90 | 7.25 | 3.80 | | |
| 14 | 67.50 | 25.60 | 29.60 | 199.35 | 22.40 | 32.40 | 32.40 | 46.75 | 15.95 | 15.50 | 7.40 | 3.80 | | |
| 15 | 59.75 | 25.00 | 33.40 | 225.70 | 20.40 | 38.00 | 39.40 | 35.00 | 15.95 | 14.90 | 7.25 | 3.65 | | |
| 16 | 47.00 | 29.20 | 38.60 | 192.40 | 18.20 | 44.75 | 40.25 | 31.00 | 15.05 | 14.45 | 6.80 | 4.25 | | |
| 17 | 33.60 | 26.00 | 46.25 | 129.80 | 19.85 | 43.00 | 58.25 | 70.00 | 15.80 | 13.55 | 6.50 | 5.00 | | |
| 18 | 29.00 | 45.75 | 41.75 | 78.75 | 30.60 | 41.00 | 57.25 | 73.50 | 17.00 | 14.60 | 6.35 | 5.00 | | |
| 19 | 28.40 | 45.25 | 40.25 | 63.25 | 35.60 | 32.20 | 43.75 | 75.00 | 17.00 | 13.40 | 6.50 | 5.75 | | |
| 20 | 33.00 | 56.25 | 102.20 | 51.75 | 36.80 | 27.00 | 47.75 | 63.25 | 17.00 | 12.80 | 6.35 | 11.00 | | |
| 21 | 29.20 | 101.60 | 123.50 | 44.75 | 26.00 | 22.60 | 70.50 | 45.25 | 15.50 | 14.00 | 6.20 | 9.95 | | |
| 22 | 24.20 | 113.30 | 113.30 | 53.75 | 21.60 | 20.60 | 71.00 | 38.20 | 14.30 | 14.15 | 5.60 | 8.15 | | |
| 23 | 23.40 | 125.00 | 79.25 | 41.00 | 19.70 | 20.40 | 55.00 | 34.80 | 14.00 | 12.50 | 5.45 | 11.00 | | |
| 24 | 27.40 | 130.10 | 66.75 | 36.20 | 18.35 | 32.80 | 43.50 | 34.20 | 13.85 | 11.75 | 5.60 | 10.25 | | |
| 25 | 31.60 | 108.50 | 86.50 | 32.00 | 17.00 | 29.40 | 42.50 | 31.00 | 12.50 | 11.00 | 5.45 | 10.10 | | |
| 26 | 30.60 | 90.25 | 131.70 | 29.60 | 14.75 | 29.20 | 42.50 | 25.60 | 12.20 | 10.70 | 5.45 | 12.35 | | |
| 27 | 87.00 | 77.00 | 146.40 | 27.80 | 19.10 | 34.20 | 35.40 | 23.40 | 12.20 | 10.25 | 5.15 | 10.25 | | |
| 28 | 85.00 | 59.25 | 113.30 | 27.80 | 17.60 | 76.75 | 30.60 | 21.40 | 11.75 | 11.00 | 4.70 | 11.75 | | |
| 29 | 59.50 | 45.00 | 72.75 | 26.40 | 17.00 | 68.00 | 27.20 | 20.00 | 11.60 | 10.55 | | 11.00 | | |
| 30 | 49.25 | 40.50 | 53.25 | 28.40 | 17.60 | 74.75 | 26.00 | 19.10 | 12.05 | 10.25 | | 11.00 | | |
| 31 | | 41.25 | | 29.20 | 23.00 | | 25.80 | | 11.75 | 9.80 | | 10.10 | | |
| Total | 1120.05 | 1558.10 | 1729.15 | 2046.55 | 703.65 | 1124.30 | 1555.40 | 1029.90 | 472.40 | 408.50 | 197.90 | 208.55 | 12154.45 | CMSDAY |
| Mean | 37.34 | 50.26 | 57.64 | 66.02 | 22.70 | 37.48 | 50.17 | 34.33 | 15.24 | 13.18 | 7.07 | 6.73 | 33.30 | CMS |
| Max | 87.00 | 130.10 | 146.40 | 225.70 | 36.80 | 87.25 | 88.00 | 75.00 | 18.50 | 20.60 | 9.50 | 12.35 | 225.70 | CMS |
| Min | 10.85 | 18.80 | 25.40 | 26.40 | 14.75 | 16.40 | 25.80 | 19.10 | 11.60 | 9.80 | 4.70 | 3.65 | 3.65 | CMS |
| Runoff | 96.77 | 134.62 | 149.40 | 176.82 | 60.80 | 97.14 | 134.39 | 88.98 | 40.82 | 35.29 | 17.10 | 18.02 | 1050.14 | MCM |

Momentary Peak 229.00 CMS. at 21.00 m. (MSL.) at 12.00 Hours , on Jul 15 , 2006

Runoff Yield 22.53 Liters/Second/Square KM. Momentary Peak Yield 154.92 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Lower Trang River at Ban Pa Mak , Trang (X.234)

Lat 07 - 35 - 21 N Long 99 - 34 - 39 E

**Location : on left bank at Ban Pa Mak.**

| | | | |
|---|---|---|---|
| | **Ban** Pa Mak | **Amphoe** Mueang | **Changwat** Trang |
| **Drainge Area** | 2,808 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank near the top staff gage. | | **Elevation** +6.388 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Rather unstable because of backwater effect. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 25 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

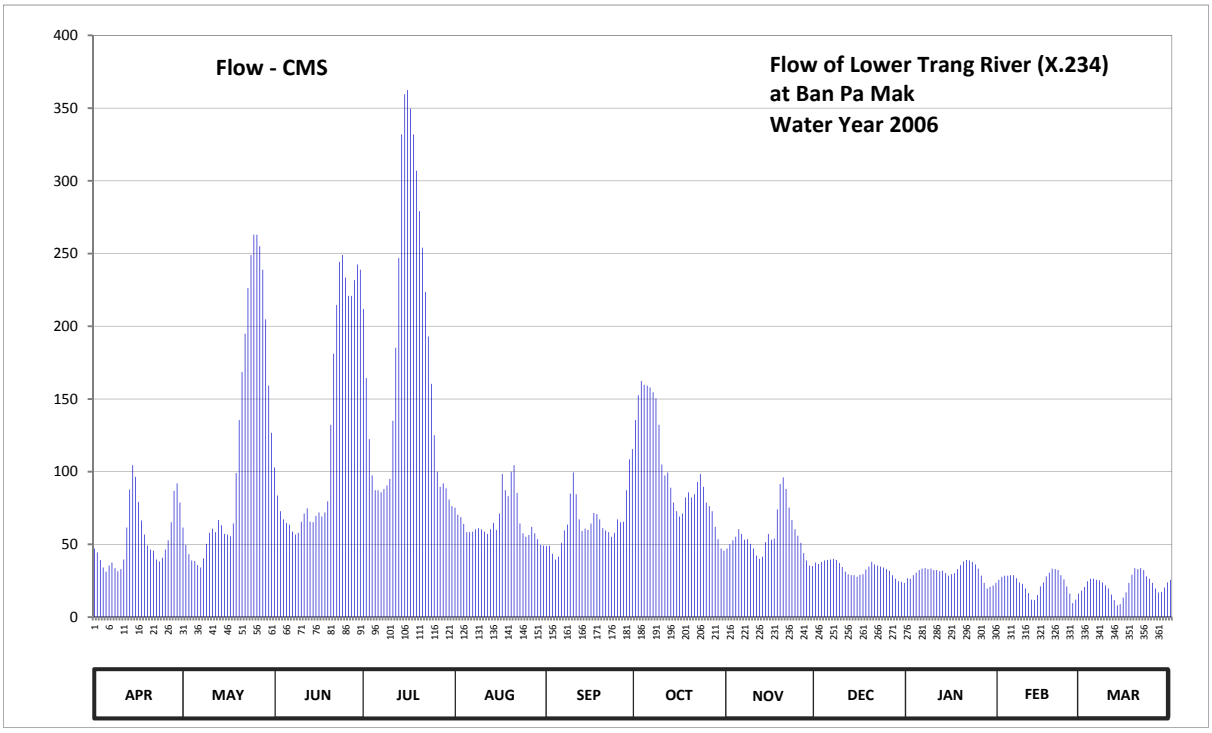
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.98 | 1.34 | 2.28 | 4.01 | 1.68 | 1.02 | 2.90 | 0.98 | 0.73 | 0.42 | 0.39 | 0.18 | |
| 2 | 0.91 | 1.04 | 1.88 | 3.39 | 1.56 | 1.03 | 3.21 | 1.05 | 0.70 | 0.41 | 0.45 | 0.25 | |
| 3 | 0.78 | 0.88 | 1.62 | 2.66 | 1.52 | 0.89 | 3.36 | 1.12 | 0.74 | 0.48 | 0.47 | 0.36 | |
| 4 | 0.63 | 0.77 | 1.48 | 2.17 | 1.40 | 0.79 | 3.32 | 1.18 | 0.77 | 0.53 | 0.47 | 0.41 | |
| 5 | 0.55 | 0.76 | 1.42 | 1.96 | 1.26 | 0.84 | 3.31 | 1.31 | 0.78 | 0.58 | 0.48 | 0.41 | |
| 6 | 0.67 | 0.68 | 1.39 | 1.96 | 1.26 | 1.08 | 3.29 | 1.23 | 0.79 | 0.61 | 0.48 | 0.39 | |
| 7 | 0.73 | 0.63 | 1.27 | 1.93 | 1.27 | 1.29 | 3.24 | 1.13 | 0.80 | 0.62 | 0.42 | 0.38 | |
| 8 | 0.62 | 0.81 | 1.22 | 1.98 | 1.31 | 1.39 | 3.17 | 1.14 | 0.78 | 0.60 | 0.34 | 0.34 | |
| 9 | 0.56 | 1.06 | 1.25 | 2.03 | 1.33 | 1.91 | 2.84 | 1.06 | 0.72 | 0.61 | 0.31 | 0.28 | |
| 10 | 0.60 | 1.25 | 1.44 | 2.12 | 1.31 | 2.21 | 2.32 | 0.98 | 0.64 | 0.58 | 0.22 | 0.22 | |
| 11 | 0.79 | 1.32 | 1.58 | 2.89 | 1.27 | 1.90 | 2.17 | 0.86 | 0.55 | 0.58 | 0.13 | 0.10 | |
| 12 | 1.34 | 1.26 | 1.67 | 3.69 | 1.23 | 1.48 | 2.21 | 0.80 | 0.50 | 0.56 | 0.00 | -0.01 | |
| 13 | 1.97 | 1.47 | 1.44 | 4.40 | 1.31 | 1.28 | 2.00 | 0.84 | 0.48 | 0.57 | -0.01 | -0.11 | |
| 14 | 2.31 | 1.38 | 1.43 | 5.14 | 1.42 | 1.32 | 1.77 | 1.09 | 0.48 | 0.52 | 0.09 | -0.09 | |
| 15 | 2.15 | 1.23 | 1.54 | 5.34 | 1.30 | 1.30 | 1.62 | 1.23 | 0.45 | 0.47 | 0.26 | 0.04 | |
| 16 | 1.78 | 1.22 | 1.60 | 5.36 | 1.58 | 1.41 | 1.53 | 1.13 | 0.49 | 0.50 | 0.34 | 0.14 | |
| 17 | 1.46 | 1.19 | 1.53 | 5.27 | 2.19 | 1.59 | 1.58 | 1.15 | 0.50 | 0.52 | 0.46 | 0.33 | |
| 18 | 1.22 | 1.41 | 1.60 | 5.14 | 1.96 | 1.57 | 1.85 | 1.65 | 0.59 | 0.60 | 0.53 | 0.49 | |
| 19 | 1.03 | 2.20 | 1.79 | 4.95 | 1.87 | 1.48 | 1.93 | 2.05 | 0.65 | 0.68 | 0.61 | 0.62 | |
| 20 | 0.96 | 2.90 | 2.84 | 4.71 | 2.22 | 1.33 | 1.85 | 2.14 | 0.74 | 0.75 | 0.60 | 0.60 | |
| 21 | 0.94 | 3.45 | 3.63 | 4.47 | 2.31 | 1.29 | 1.90 | 1.98 | 0.69 | 0.78 | 0.58 | 0.62 | |
| 22 | 0.79 | 3.82 | 4.04 | 4.14 | 1.92 | 1.26 | 2.08 | 1.68 | 0.67 | 0.77 | 0.48 | 0.58 | |
| 23 | 0.75 | 4.17 | 4.37 | 3.80 | 1.41 | 1.18 | 2.19 | 1.47 | 0.65 | 0.74 | 0.40 | 0.46 | |
| 24 | 0.82 | 4.42 | 4.42 | 3.33 | 1.24 | 1.25 | 2.01 | 1.31 | 0.63 | 0.69 | 0.26 | 0.41 | |
| 25 | 0.96 | 4.56 | 4.25 | 2.71 | 1.18 | 1.48 | 1.77 | 1.20 | 0.60 | 0.61 | 0.12 | 0.33 | |
| 26 | 1.12 | 4.56 | 4.11 | 2.22 | 1.21 | 1.43 | 1.71 | 1.08 | 0.57 | 0.47 | -0.07 | 0.22 | |
| 27 | 1.43 | 4.48 | 4.11 | 2.01 | 1.35 | 1.44 | 1.62 | 0.90 | 0.48 | 0.33 | 0.00 | 0.14 | |
| 28 | 1.95 | 4.31 | 4.23 | 2.06 | 1.24 | 1.96 | 1.35 | 0.77 | 0.41 | 0.22 | 0.12 | 0.15 | |
| 29 | 2.06 | 3.93 | 4.35 | 1.99 | 1.14 | 2.39 | 1.14 | 0.67 | 0.36 | 0.25 | | 0.24 | |
| 30 | 1.77 | 3.31 | 4.31 | 1.82 | 1.04 | 2.53 | 0.98 | 0.66 | 0.35 | 0.28 | | 0.34 | |
| 31 | | 2.74 | | 1.71 | 1.03 | | 0.94 | | 0.33 | 0.33 | | 0.39 | |
| Mean | 1.15 | 2.21 | 2.47 | 3.27 | 1.46 | 1.44 | 2.17 | 1.19 | 0.60 | 0.54 | 0.32 | 0.30 | |
| Max | 2.31 | 4.56 | 4.42 | 5.36 | 2.31 | 2.53 | 3.36 | 2.14 | 0.80 | 0.78 | 0.61 | 0.62 | 5.36 |
| Min | 0.55 | 0.63 | 1.22 | 1.71 | 1.03 | 0.79 | 0.94 | 0.66 | 0.33 | 0.22 | -0.07 | -0.11 | -0.11 |

Annual Max Momentary Gage Height 5.38 m. (MSL.) , at 03.00 Hours , on Jul 16 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed -2.14 m. (MSL.)

Left Bank Elevation 6.41 m. (MSL.) ,

Right Bank Elevation 6.45 m. (MSL.) , Drainage Are 2,808 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47.20 | 61.60 | 103.00 | 211.90 | 75.20 | 48.80 | 135.50 | 47.20 | 37.55 | 26.70 | 25.65 | 18.30 | | |
| 2 | 44.40 | 49.60 | 83.60 | 164.35 | 70.40 | 49.20 | 152.65 | 50.00 | 36.50 | 26.35 | 27.75 | 20.75 | | |
| 3 | 39.30 | 43.20 | 72.80 | 122.30 | 68.80 | 43.60 | 162.40 | 52.80 | 37.90 | 28.80 | 28.45 | 24.60 | | |
| 4 | 34.05 | 38.95 | 67.20 | 97.50 | 64.00 | 39.65 | 159.80 | 55.20 | 38.95 | 30.55 | 28.45 | 26.35 | | |
| 5 | 31.25 | 38.60 | 64.80 | 87.20 | 58.40 | 41.60 | 159.15 | 60.40 | 39.30 | 32.30 | 28.80 | 26.35 | | |
| 6 | 35.45 | 35.80 | 63.60 | 87.20 | 58.40 | 51.20 | 157.85 | 57.20 | 39.65 | 33.35 | 28.80 | 25.65 | | |
| 7 | 37.55 | 34.05 | 58.80 | 85.85 | 58.80 | 59.60 | 154.60 | 53.20 | 40.00 | 33.70 | 26.70 | 25.30 | | |
| 8 | 33.70 | 40.40 | 56.80 | 88.10 | 60.40 | 63.60 | 150.35 | 53.60 | 39.30 | 33.00 | 23.90 | 23.90 | | |
| 9 | 31.60 | 50.40 | 58.00 | 90.50 | 61.20 | 84.95 | 132.20 | 50.40 | 37.20 | 33.35 | 22.85 | 21.80 | | |
| 10 | 33.00 | 58.00 | 65.60 | 95.00 | 60.40 | 99.50 | 105.00 | 47.20 | 34.40 | 32.30 | 19.70 | 19.70 | | |
| 11 | 39.65 | 60.80 | 71.20 | 134.95 | 58.80 | 84.50 | 97.50 | 42.40 | 31.25 | 32.30 | 16.55 | 15.50 | | |
| 12 | 61.60 | 58.40 | 74.80 | 185.30 | 57.20 | 67.20 | 99.50 | 40.00 | 29.50 | 31.60 | 12.00 | 11.65 | | |
| 13 | 87.65 | 66.80 | 65.60 | 247.00 | 60.40 | 59.20 | 89.00 | 41.60 | 28.80 | 31.95 | 11.65 | 8.15 | | |
| 14 | 104.50 | 63.20 | 65.20 | 331.90 | 64.80 | 60.80 | 78.80 | 51.60 | 28.80 | 30.20 | 15.15 | 8.85 | | |
| 15 | 96.50 | 57.20 | 69.60 | 359.60 | 60.00 | 60.00 | 72.80 | 57.20 | 27.75 | 28.45 | 21.10 | 13.40 | | |
| 16 | 79.20 | 56.80 | 72.00 | 362.40 | 71.20 | 64.40 | 69.20 | 53.20 | 29.15 | 29.50 | 23.90 | 16.90 | | |
| 17 | 66.40 | 55.60 | 69.20 | 349.80 | 98.50 | 71.60 | 71.20 | 54.00 | 29.50 | 30.20 | 28.10 | 23.55 | | |
| 18 | 56.80 | 64.40 | 72.00 | 331.90 | 87.20 | 70.80 | 82.25 | 74.00 | 32.65 | 33.00 | 30.55 | 29.15 | | |
| 19 | 49.20 | 99.00 | 79.60 | 307.00 | 83.15 | 67.20 | 85.85 | 91.50 | 34.75 | 35.80 | 33.35 | 33.70 | | |
| 20 | 46.40 | 135.50 | 132.20 | 279.10 | 100.00 | 61.20 | 82.25 | 96.00 | 37.90 | 38.25 | 33.00 | 33.00 | | |
| 21 | 45.60 | 168.50 | 181.10 | 254.00 | 104.50 | 59.60 | 84.50 | 88.10 | 36.15 | 39.30 | 32.30 | 33.70 | | |
| 22 | 39.65 | 194.80 | 214.60 | 223.60 | 85.40 | 58.40 | 93.00 | 75.20 | 35.45 | 38.95 | 28.80 | 32.30 | | |
| 23 | 38.25 | 226.30 | 244.30 | 193.00 | 64.40 | 55.20 | 98.50 | 66.80 | 34.75 | 37.90 | 26.00 | 28.10 | | |
| 24 | 40.80 | 249.00 | 249.00 | 160.45 | 57.60 | 58.00 | 89.50 | 60.40 | 34.05 | 36.15 | 21.10 | 26.35 | | |
| 25 | 46.40 | 263.00 | 233.50 | 125.05 | 55.20 | 67.20 | 78.80 | 56.00 | 33.00 | 33.35 | 16.20 | 23.55 | | |
| 26 | 52.80 | 263.00 | 220.90 | 100.00 | 56.40 | 65.20 | 76.40 | 51.20 | 31.95 | 28.45 | 9.55 | 19.70 | | |
| 27 | 65.20 | 255.00 | 220.90 | 89.50 | 62.00 | 65.60 | 72.80 | 44.00 | 28.80 | 23.55 | 12.00 | 16.90 | | |
| 28 | 86.75 | 238.90 | 231.70 | 92.00 | 57.60 | 87.20 | 62.00 | 38.95 | 26.35 | 19.70 | 16.20 | 17.25 | | |
| 29 | 92.00 | 204.70 | 242.50 | 88.55 | 53.60 | 108.50 | 53.60 | 35.45 | 24.60 | 20.75 | | 20.40 | | |
| 30 | 78.80 | 159.15 | 238.90 | 80.90 | 49.60 | 115.50 | 47.20 | 35.10 | 24.25 | 21.80 | | 23.90 | | |
| 31 | | 126.70 | | 76.40 | 49.20 | | 45.60 | | 23.55 | 23.55 | | 25.65 | | |
| Total | 1641.65 | 3517.35 | 3743.00 | 5502.30 | 2072.75 | 1989.00 | 3099.75 | 1679.90 | 1023.70 | 955.10 | 648.55 | 694.35 | 26567.40 | CMSDAY |
| Mean | 54.72 | 113.46 | 124.77 | 177.49 | 66.86 | 66.30 | 99.99 | 56.00 | 33.02 | 30.81 | 23.16 | 22.40 | 72.79 | CMS |
| Max | 104.50 | 263.00 | 249.00 | 362.40 | 104.50 | 115.50 | 162.40 | 96.00 | 40.00 | 39.30 | 33.35 | 33.70 | 362.40 | CMS |
| Min | 31.25 | 34.05 | 56.80 | 76.40 | 49.20 | 39.65 | 45.60 | 35.10 | 23.55 | 19.70 | 9.55 | 8.15 | 8.15 | CMS |
| Runoff | 141.84 | 303.90 | 323.40 | 475.40 | 179.09 | 171.85 | 267.82 | 145.14 | 88.45 | 82.52 | 56.03 | 59.99 | 2295.42 | MCM |

Momentary Peak 365.20 CMS. at 5.38 m. (MSL.) at 03.00 Hours , on Jul 16 , 2006

Runoff Yield 25.92 Liters/Second/Square KM. Momentary Peak Yield 130.04 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Lam Phikul at Ban Pak Khlong , Trang (X.235)

Lat 07 - 24 - 37 N Long 99 - 46 - 00 E

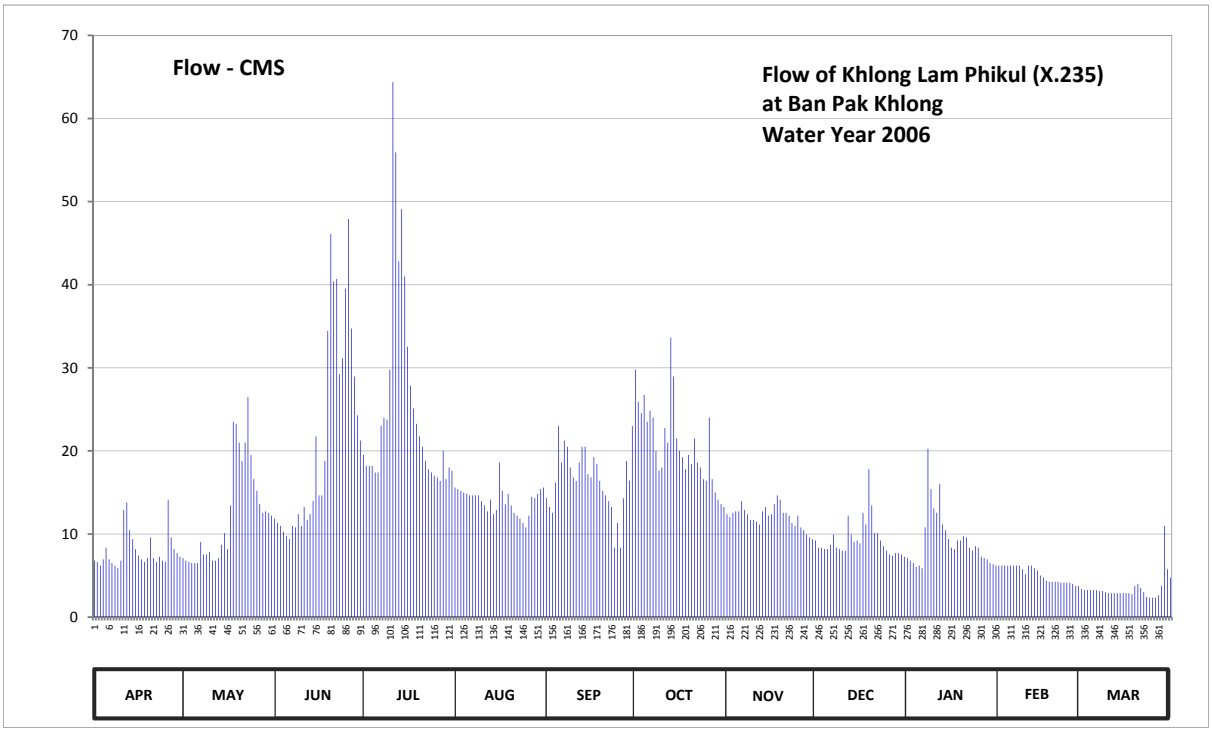
**Location : on right bank at Ban Pak Khlong.**

| | | | |
|---|---|---|---|
| | **Ban** Pak Khlong | **Amphoe** Yan Ta Khaow | **Changwat** Trang |
| **Drainge Area** | 116 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the abutment of the bridge. | **Elevation** | +16.603 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.52 | 9.54 | 9.82 | 10.22 | 10.03 | 9.96 | 10.61 | 9.85 | 9.67 | 9.54 | 9.48 | 9.27 | |
| 2 | 9.51 | 9.52 | 9.79 | 10.16 | 10.02 | 9.90 | 10.47 | 9.83 | 9.62 | 9.52 | 9.48 | 9.26 | |
| 3 | 9.48 | 9.51 | 9.77 | 10.16 | 10.01 | 9.86 | 10.42 | 9.86 | 9.62 | 9.50 | 9.48 | 9.26 | |
| 4 | 9.53 | 9.50 | 9.73 | 10.16 | 10.00 | 10.06 | 10.50 | 9.87 | 9.61 | 9.47 | 9.48 | 9.26 | |
| 5 | 9.62 | 9.50 | 9.70 | 10.12 | 9.99 | 10.36 | 10.38 | 9.87 | 9.61 | 9.48 | 9.48 | 9.26 | |
| 6 | 9.53 | 9.50 | 9.68 | 10.12 | 9.98 | 10.18 | 10.43 | 9.94 | 9.64 | 9.46 | 9.48 | 9.26 | |
| 7 | 9.50 | 9.66 | 9.77 | 10.36 | 9.98 | 10.29 | 10.40 | 9.88 | 9.71 | 9.76 | 9.48 | 9.25 | |
| 8 | 9.48 | 9.57 | 9.76 | 10.40 | 9.98 | 10.26 | 10.24 | 9.85 | 9.62 | 10.25 | 9.48 | 9.25 | |
| 9 | 9.46 | 9.57 | 9.85 | 10.39 | 9.98 | 10.15 | 10.13 | 9.81 | 9.61 | 10.02 | 9.45 | 9.24 | |
| 10 | 9.52 | 9.59 | 9.77 | 10.61 | 9.94 | 10.09 | 10.15 | 9.81 | 9.60 | 9.89 | 9.41 | 9.23 | |
| 11 | 9.88 | 9.52 | 9.90 | 11.73 | 9.91 | 10.07 | 10.35 | 9.80 | 9.60 | 9.86 | 9.48 | 9.23 | |
| 12 | 9.93 | 9.52 | 9.81 | 11.49 | 9.87 | 10.18 | 10.28 | 9.78 | 9.84 | 10.05 | 9.48 | 9.23 | |
| 13 | 9.74 | 9.54 | 9.85 | 11.06 | 9.95 | 10.26 | 10.75 | 9.87 | 9.71 | 9.78 | 9.46 | 9.23 | |
| 14 | 9.68 | 9.64 | 9.94 | 11.27 | 9.85 | 10.26 | 10.58 | 9.90 | 9.66 | 9.74 | 9.44 | 9.23 | |
| 15 | 9.61 | 9.72 | 10.31 | 11.00 | 9.88 | 10.11 | 10.30 | 9.84 | 9.67 | 9.68 | 9.40 | 9.23 | |
| 16 | 9.56 | 9.61 | 9.98 | 10.71 | 10.18 | 10.09 | 10.24 | 9.85 | 9.65 | 9.62 | 9.38 | 9.23 | |
| 17 | 9.53 | 9.91 | 9.98 | 10.54 | 10.01 | 10.21 | 10.21 | 9.92 | 9.86 | 9.61 | 9.35 | 9.23 | |
| 18 | 9.51 | 10.38 | 10.19 | 10.44 | 9.92 | 10.17 | 10.14 | 9.98 | 9.78 | 9.67 | 9.34 | 9.22 | |
| 19 | 9.54 | 10.37 | 10.78 | 10.37 | 9.99 | 10.07 | 10.22 | 9.95 | 10.14 | 9.67 | 9.34 | 9.30 | |
| 20 | 9.69 | 10.28 | 11.17 | 10.31 | 9.91 | 10.01 | 10.17 | 9.86 | 9.91 | 9.70 | 9.34 | 9.32 | |
| 21 | 9.54 | 10.19 | 10.98 | 10.26 | 9.86 | 9.98 | 10.30 | 9.86 | 9.72 | 9.69 | 9.34 | 9.28 | |
| 22 | 9.51 | 10.28 | 10.99 | 10.19 | 9.84 | 9.94 | 10.18 | 9.84 | 9.72 | 9.62 | 9.33 | 9.24 | |
| 23 | 9.55 | 10.49 | 10.59 | 10.14 | 9.82 | 9.90 | 10.15 | 9.79 | 9.67 | 9.60 | 9.33 | 9.19 | |
| 24 | 9.52 | 10.22 | 10.66 | 10.12 | 9.79 | 9.62 | 10.08 | 9.77 | 9.63 | 9.63 | 9.33 | 9.18 | |
| 25 | 9.51 | 10.08 | 10.95 | 10.10 | 9.76 | 9.79 | 10.07 | 9.84 | 9.60 | 9.62 | 9.33 | 9.18 | |
| 26 | 9.95 | 10.01 | 11.23 | 10.09 | 9.84 | 9.62 | 10.40 | 9.76 | 9.57 | 9.55 | 9.32 | 9.18 | |
| 27 | 9.69 | 9.92 | 10.79 | 10.07 | 9.97 | 9.96 | 10.08 | 9.74 | 9.56 | 9.54 | 9.30 | 9.21 | |
| 28 | 9.61 | 9.86 | 10.58 | 10.24 | 9.96 | 10.19 | 10.00 | 9.71 | 9.58 | 9.53 | 9.30 | 9.30 | |
| 29 | 9.58 | 9.87 | 10.41 | 10.08 | 9.99 | 10.07 | 9.95 | 9.69 | 9.58 | 9.50 | | 9.77 | |
| 30 | 9.55 | 9.86 | 10.29 | 10.15 | 10.02 | 10.36 | 9.92 | 9.68 | 9.57 | 9.49 | | 9.45 | |
| 31 | | 9.84 | | 10.13 | 10.03 | | 9.90 | | 9.55 | 9.48 | | 9.38 | |
| Mean | 9.59 | 9.82 | 10.23 | 10.43 | 9.94 | 10.07 | 10.26 | 9.83 | 9.67 | 9.66 | 9.40 | 9.27 | |
| Max | 9.95 | 10.49 | 11.23 | 11.73 | 10.18 | 10.36 | 10.75 | 9.98 | 10.14 | 10.25 | 9.48 | 9.77 | 11.73 |
| Min | 9.46 | 9.50 | 9.68 | 10.07 | 9.76 | 9.62 | 9.90 | 9.68 | 9.55 | 9.46 | 9.30 | 9.18 | 9.18 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 12.85 | m. (MSL.) , | at 16.00 Hours , on Jul 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 8.67 | m. (MSL.) |
| Left Bank Elevation | 16.61 | m. (MSL.) , | | | |
| Right Bank Elevation | 15.76 | m. (MSL.) , | Drainage Are | 116 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.80 | 7.10 | 11.85 | 19.50 | 15.60 | 14.30 | 29.78 | 12.38 | 9.23 | 7.10 | 6.20 | 3.38 | | |
| 2 | 6.65 | 6.80 | 11.33 | 18.20 | 15.40 | 13.25 | 25.93 | 12.03 | 8.35 | 6.80 | 6.20 | 3.25 | | |
| 3 | 6.20 | 6.65 | 10.98 | 18.20 | 15.20 | 12.55 | 24.55 | 12.55 | 8.35 | 6.50 | 6.20 | 3.25 | | |
| 4 | 6.95 | 6.50 | 10.28 | 18.20 | 15.00 | 16.20 | 26.75 | 12.73 | 8.18 | 6.05 | 6.20 | 3.25 | | |
| 5 | 8.35 | 6.50 | 9.75 | 17.40 | 14.83 | 23.00 | 23.50 | 12.73 | 8.18 | 6.20 | 6.20 | 3.25 | | |
| 6 | 6.95 | 6.50 | 9.40 | 17.40 | 14.65 | 18.60 | 24.83 | 13.95 | 8.70 | 5.90 | 6.20 | 3.25 | | |
| 7 | 6.50 | 9.05 | 10.98 | 23.00 | 14.65 | 21.25 | 24.00 | 12.90 | 9.93 | 10.80 | 6.20 | 3.13 | | |
| 8 | 6.20 | 7.55 | 10.80 | 24.00 | 14.65 | 20.50 | 20.00 | 12.38 | 8.35 | 20.25 | 6.20 | 3.13 | | |
| 9 | 5.90 | 7.55 | 12.38 | 23.75 | 14.65 | 18.00 | 17.60 | 11.68 | 8.18 | 15.40 | 5.75 | 3.00 | | |
| 10 | 6.80 | 7.85 | 10.98 | 29.78 | 13.95 | 16.80 | 18.00 | 11.68 | 8.00 | 13.08 | 5.15 | 2.88 | | |
| 11 | 12.90 | 6.80 | 13.25 | 64.38 | 13.43 | 16.40 | 22.75 | 11.50 | 8.00 | 12.55 | 6.20 | 2.88 | | |
| 12 | 13.78 | 6.80 | 11.68 | 55.93 | 12.73 | 18.60 | 21.00 | 11.15 | 12.20 | 16.00 | 6.20 | 2.88 | | |
| 13 | 10.45 | 7.10 | 12.38 | 42.80 | 14.13 | 20.50 | 33.63 | 12.73 | 9.93 | 11.15 | 5.90 | 2.88 | | |
| 14 | 9.40 | 8.70 | 13.95 | 49.10 | 12.38 | 20.50 | 28.95 | 13.25 | 9.05 | 10.45 | 5.60 | 2.88 | | |
| 15 | 8.18 | 10.10 | 21.75 | 41.00 | 12.90 | 17.20 | 21.50 | 12.20 | 9.23 | 9.40 | 5.00 | 2.88 | | |
| 16 | 7.40 | 8.18 | 14.65 | 32.53 | 18.60 | 16.80 | 20.00 | 12.38 | 8.88 | 8.35 | 4.75 | 2.88 | | |
| 17 | 6.95 | 13.43 | 14.65 | 27.85 | 15.20 | 19.25 | 19.25 | 13.60 | 12.55 | 8.18 | 4.38 | 2.88 | | |
| 18 | 6.65 | 23.50 | 18.80 | 25.10 | 13.60 | 18.40 | 17.80 | 14.65 | 11.15 | 9.23 | 4.25 | 2.75 | | |
| 19 | 7.10 | 23.25 | 34.45 | 23.25 | 14.83 | 16.40 | 19.50 | 14.13 | 17.80 | 9.23 | 4.25 | 3.75 | | |
| 20 | 9.58 | 21.00 | 46.10 | 21.75 | 13.43 | 15.20 | 18.40 | 12.55 | 13.43 | 9.75 | 4.25 | 4.00 | | |
| 21 | 7.10 | 18.80 | 40.40 | 20.50 | 12.55 | 14.65 | 21.50 | 12.55 | 10.10 | 9.58 | 4.25 | 3.50 | | |
| 22 | 6.65 | 21.00 | 40.70 | 18.80 | 12.20 | 13.95 | 18.60 | 12.20 | 10.10 | 8.35 | 4.13 | 3.00 | | |
| 23 | 7.25 | 26.48 | 29.23 | 17.80 | 11.85 | 13.25 | 18.00 | 11.33 | 9.23 | 8.00 | 4.13 | 2.43 | | |
| 24 | 6.80 | 19.50 | 31.15 | 17.40 | 11.33 | 8.35 | 16.60 | 10.98 | 8.53 | 8.53 | 4.13 | 2.35 | | |
| 25 | 6.65 | 16.60 | 39.50 | 17.00 | 10.80 | 11.33 | 16.40 | 12.20 | 8.00 | 8.35 | 4.13 | 2.35 | | |
| 26 | 14.13 | 15.20 | 47.90 | 16.80 | 12.20 | 8.35 | 24.00 | 10.80 | 7.55 | 7.25 | 4.00 | 2.35 | | |
| 27 | 9.58 | 13.60 | 34.73 | 16.40 | 14.48 | 14.30 | 16.60 | 10.45 | 7.40 | 7.10 | 3.75 | 2.63 | | |
| 28 | 8.18 | 12.55 | 28.95 | 20.00 | 14.30 | 18.80 | 15.00 | 9.93 | 7.70 | 6.95 | 3.75 | 3.75 | | |
| 29 | 7.70 | 12.73 | 24.28 | 16.60 | 14.83 | 16.40 | 14.13 | 9.58 | 7.70 | 6.50 | | 10.98 | | |
| 30 | 7.25 | 12.55 | 21.25 | 18.00 | 15.40 | 23.00 | 13.60 | 9.40 | 7.55 | 6.35 | | 5.75 | | |
| 31 | | 12.20 | | 17.60 | 15.60 | | 13.25 | | 7.25 | 6.20 | | 4.75 | | |
| Total | 240.98 | 382.12 | 648.48 | 790.02 | 435.35 | 496.08 | 645.40 | 362.57 | 288.78 | 285.53 | 143.55 | 106.27 | 4825.13 | CMSDAY |
| Mean | 8.03 | 12.33 | 21.62 | 25.48 | 14.04 | 16.54 | 20.82 | 12.09 | 9.32 | 9.21 | 5.13 | 3.43 | 13.22 | CMS |
| Max | 14.13 | 26.48 | 47.90 | 64.38 | 18.60 | 23.00 | 33.63 | 14.65 | 17.80 | 20.25 | 6.20 | 10.98 | 64.38 | CMS |
| Min | 5.90 | 6.50 | 9.40 | 16.40 | 10.80 | 8.35 | 13.25 | 9.40 | 7.25 | 5.90 | 3.75 | 2.35 | 2.35 | CMS |
| Runoff | 20.82 | 33.02 | 56.03 | 68.26 | 37.61 | 42.86 | 55.76 | 31.33 | 24.95 | 24.67 | 12.40 | 9.18 | 416.89 | MCM |

Momentary Peak 119.50 CMS. at 12.85 m. (MSL.) at 16.00 Hours , on Jul 11 , 2006

Runoff Yield 113.46 Liters/Second/Square KM. Momentary Peak Yield 1025.66 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Lower Khlong Palian at Ban Yan Ta Khaow , Trang (X.236)

Lat 07 - 22 - 20 N Long 99 - 40 - 39 E

**Location : on right bank at Ban Yan Ta Khaow.**

| | | | |
|---|---|---|---|
| | **Ban** Yan Ta Khaow | **Amphoe** Yan Ta Khaow | **Changwat** Trang |
| **Drainge Area** | 587 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the gage site. | | **Elevation** +5.628 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

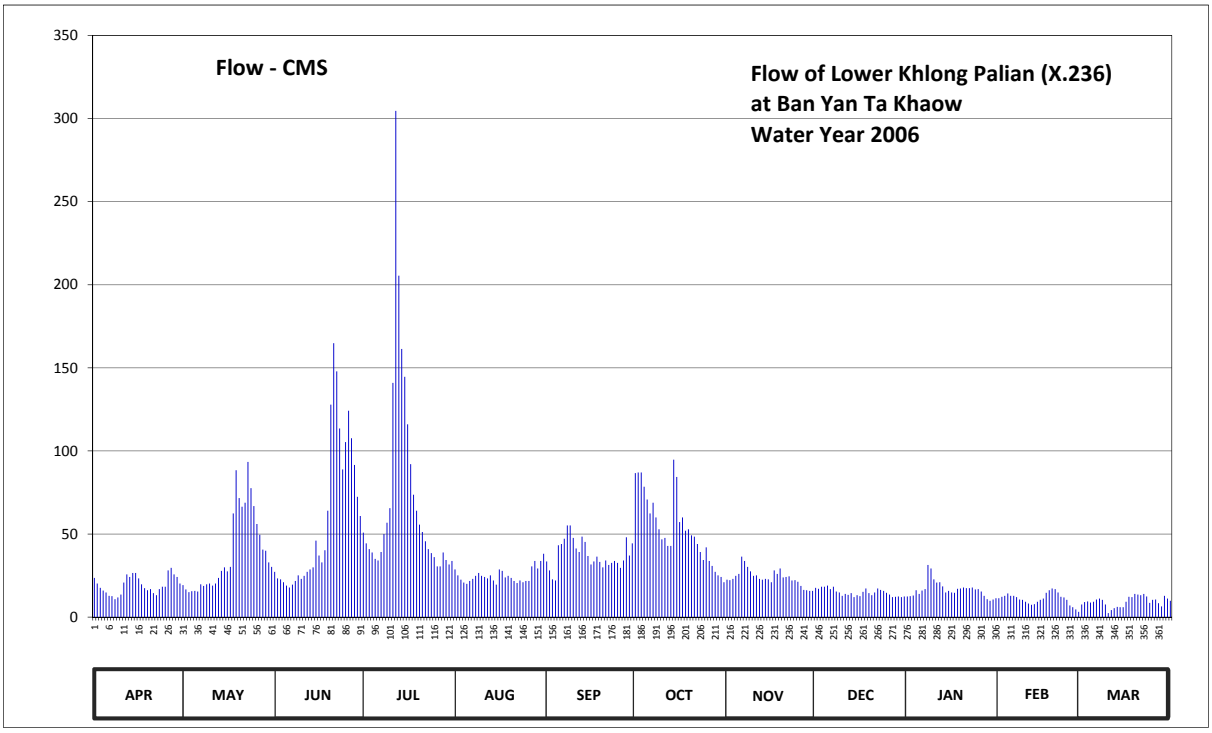
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.82 | 0.65 | 0.94 | 1.62 | 0.99 | 1.15 | 2.48 | 0.78 | 0.58 | 0.32 | 0.27 | 0.08 | |
| 2 | 0.69 | 0.53 | 0.81 | 1.46 | 0.87 | 0.97 | 2.49 | 0.77 | 0.55 | 0.33 | 0.31 | 0.15 | |
| 3 | 0.58 | 0.45 | 0.79 | 1.37 | 0.78 | 0.79 | 2.49 | 0.80 | 0.61 | 0.35 | 0.34 | 0.17 | |
| 4 | 0.50 | 0.48 | 0.72 | 1.31 | 0.71 | 0.76 | 2.30 | 0.86 | 0.61 | 0.51 | 0.41 | 0.14 | |
| 5 | 0.44 | 0.49 | 0.64 | 1.20 | 0.68 | 1.43 | 2.12 | 0.90 | 0.64 | 0.40 | 0.34 | 0.16 | |
| 6 | 0.34 | 0.47 | 0.59 | 1.17 | 0.75 | 1.45 | 1.91 | 1.24 | 0.54 | 0.50 | 0.34 | 0.23 | |
| 7 | 0.33 | 0.67 | 0.66 | 1.32 | 0.80 | 1.53 | 2.07 | 1.16 | 0.61 | 0.54 | 0.30 | 0.26 | |
| 8 | 0.24 | 0.63 | 0.75 | 1.60 | 0.86 | 1.73 | 1.85 | 1.04 | 0.47 | 1.08 | 0.23 | 0.22 | |
| 9 | 0.29 | 0.67 | 0.87 | 1.77 | 0.92 | 1.73 | 1.67 | 0.95 | 0.44 | 1.01 | 0.22 | 0.08 | |
| 10 | 0.38 | 0.69 | 0.80 | 1.99 | 0.86 | 1.54 | 1.52 | 0.86 | 0.34 | 0.79 | 0.16 | -0.18 | |
| 11 | 0.71 | 0.64 | 0.86 | 3.58 | 0.84 | 1.38 | 1.54 | 0.87 | 0.40 | 0.71 | 0.11 | -0.09 | |
| 12 | 0.89 | 0.69 | 0.94 | 5.16 | 0.81 | 1.32 | 1.42 | 0.80 | 0.37 | 0.72 | 0.07 | -0.03 | |
| 13 | 0.84 | 0.82 | 0.99 | 4.44 | 0.87 | 1.56 | 1.42 | 0.78 | 0.42 | 0.62 | 0.09 | 0.01 | |
| 14 | 0.92 | 0.96 | 1.03 | 3.89 | 0.76 | 1.48 | 2.66 | 0.80 | 0.30 | 0.44 | 0.16 | 0.00 | |
| 15 | 0.92 | 1.03 | 1.50 | 3.64 | 0.66 | 1.25 | 2.43 | 0.79 | 0.36 | 0.49 | 0.22 | 0.00 | |
| 16 | 0.81 | 0.95 | 1.26 | 3.11 | 0.99 | 1.09 | 1.78 | 0.72 | 0.33 | 0.44 | 0.26 | 0.16 | |
| 17 | 0.67 | 1.04 | 1.13 | 2.60 | 0.96 | 1.15 | 1.85 | 0.97 | 0.46 | 0.43 | 0.43 | 0.31 | |
| 18 | 0.57 | 1.91 | 1.35 | 2.19 | 0.83 | 1.24 | 1.65 | 0.90 | 0.56 | 0.55 | 0.51 | 0.30 | |
| 19 | 0.51 | 2.52 | 1.95 | 1.95 | 0.86 | 1.14 | 1.67 | 1.01 | 0.42 | 0.56 | 0.56 | 0.40 | |
| 20 | 0.54 | 2.14 | 3.34 | 1.74 | 0.82 | 1.03 | 1.58 | 0.83 | 0.36 | 0.59 | 0.54 | 0.38 | |
| 21 | 0.42 | 2.01 | 3.94 | 1.63 | 0.75 | 1.17 | 1.56 | 0.84 | 0.44 | 0.57 | 0.44 | 0.36 | |
| 22 | 0.36 | 2.07 | 3.69 | 1.49 | 0.70 | 1.08 | 1.45 | 0.85 | 0.56 | 0.57 | 0.31 | 0.40 | |
| 23 | 0.54 | 2.63 | 3.06 | 1.37 | 0.76 | 1.12 | 1.32 | 0.76 | 0.52 | 0.59 | 0.29 | 0.32 | |
| 24 | 0.61 | 2.28 | 2.53 | 1.30 | 0.72 | 1.16 | 1.18 | 0.77 | 0.49 | 0.53 | 0.22 | 0.13 | |
| 25 | 0.61 | 2.02 | 2.89 | 1.23 | 0.75 | 1.12 | 1.40 | 0.73 | 0.43 | 0.54 | 0.05 | 0.22 | |
| 26 | 0.97 | 1.75 | 3.27 | 1.05 | 0.75 | 1.02 | 1.16 | 0.63 | 0.38 | 0.47 | 0.00 | 0.23 | |
| 27 | 1.02 | 1.59 | 2.94 | 1.05 | 1.05 | 1.17 | 1.06 | 0.52 | 0.30 | 0.34 | -0.07 | 0.12 | |
| 28 | 0.89 | 1.36 | 2.59 | 1.31 | 1.16 | 1.55 | 0.94 | 0.51 | 0.31 | 0.24 | -0.14 | 0.02 | |
| 29 | 0.84 | 1.34 | 2.16 | 1.18 | 1.01 | 1.26 | 0.87 | 0.49 | 0.32 | 0.19 | | 0.34 | |
| 30 | 0.69 | 1.13 | 1.87 | 1.09 | 1.16 | 1.46 | 0.84 | 0.49 | 0.30 | 0.23 | | 0.26 | |
| 31 | | 1.04 | | 1.16 | 1.29 | | 0.72 | | 0.32 | 0.27 | | 0.19 | |
| Mean | 0.63 | 1.21 | 1.70 | 1.97 | 0.86 | 1.26 | 1.66 | 0.81 | 0.44 | 0.51 | 0.25 | 0.17 | |
| Max | 1.02 | 2.63 | 3.94 | 5.16 | 1.29 | 1.73 | 2.66 | 1.24 | 0.64 | 1.08 | 0.56 | 0.40 | 5.16 |
| Min | 0.24 | 0.45 | 0.59 | 1.05 | 0.66 | 0.76 | 0.72 | 0.49 | 0.30 | 0.19 | -0.14 | -0.18 | -0.18 |

Annual Max Momentary Gage Height 5.24 m. (MSL.) , at 16.00 Hours , on Jul 12 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed -0.55 m. (MSL.)

Left Bank Elevation 7.44 m. (MSL.) ,

Right Bank Elevation 7.45 m. (MSL.) , Drainage Are 587 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23.60 | 19.25 | 27.20 | 50.80 | 28.70 | 33.50 | 86.60 | 22.50 | 17.60 | 12.40 | 11.40 | 7.60 | | |
| 2 | 20.25 | 16.60 | 23.30 | 44.40 | 25.10 | 28.10 | 87.05 | 22.25 | 17.00 | 12.60 | 12.20 | 9.00 | | |
| 3 | 17.60 | 15.00 | 22.75 | 40.95 | 22.50 | 22.75 | 87.05 | 23.00 | 18.25 | 13.00 | 12.80 | 9.40 | | |
| 4 | 16.00 | 15.60 | 21.00 | 38.85 | 20.75 | 22.00 | 78.50 | 24.80 | 18.25 | 16.20 | 14.20 | 8.80 | | |
| 5 | 14.80 | 15.80 | 19.00 | 35.00 | 20.00 | 43.20 | 70.80 | 26.00 | 19.00 | 14.00 | 12.80 | 9.20 | | |
| 6 | 12.80 | 15.40 | 17.80 | 34.10 | 21.75 | 44.00 | 62.40 | 36.40 | 16.80 | 16.00 | 12.80 | 10.60 | | |
| 7 | 12.60 | 19.75 | 19.50 | 39.20 | 23.00 | 47.20 | 68.80 | 33.80 | 18.25 | 16.80 | 12.00 | 11.20 | | |
| 8 | 10.80 | 18.75 | 21.75 | 50.00 | 24.80 | 55.20 | 60.00 | 30.20 | 15.40 | 31.40 | 10.60 | 10.40 | | |
| 9 | 11.80 | 19.75 | 25.10 | 56.80 | 26.60 | 55.20 | 52.80 | 27.50 | 14.80 | 29.30 | 10.40 | 7.60 | | |
| 10 | 13.60 | 20.25 | 23.00 | 65.60 | 24.80 | 47.60 | 46.80 | 24.80 | 12.80 | 22.75 | 9.20 | 2.40 | | |
| 11 | 20.75 | 19.00 | 24.80 | 140.90 | 24.20 | 41.30 | 47.60 | 25.10 | 14.00 | 20.75 | 8.20 | 4.20 | | |
| 12 | 25.70 | 20.25 | 27.20 | 304.60 | 23.30 | 39.20 | 42.80 | 23.00 | 13.40 | 21.00 | 7.40 | 5.40 | | |
| 13 | 24.20 | 23.60 | 28.70 | 205.40 | 25.10 | 48.40 | 42.80 | 22.50 | 14.40 | 18.50 | 7.80 | 6.20 | | |
| 14 | 26.60 | 27.80 | 29.90 | 161.30 | 22.00 | 45.20 | 94.70 | 23.00 | 12.00 | 14.80 | 9.20 | 6.00 | | |
| 15 | 26.60 | 29.90 | 46.00 | 144.60 | 19.50 | 36.75 | 84.35 | 22.75 | 13.20 | 15.80 | 10.40 | 6.00 | | |
| 16 | 23.30 | 27.50 | 37.10 | 116.00 | 28.70 | 31.70 | 57.20 | 21.00 | 12.60 | 14.80 | 11.20 | 9.20 | | |
| 17 | 19.75 | 30.20 | 32.90 | 92.00 | 27.80 | 33.50 | 60.00 | 28.10 | 15.20 | 14.60 | 14.60 | 12.20 | | |
| 18 | 17.40 | 62.40 | 40.25 | 73.60 | 23.90 | 36.40 | 52.00 | 26.00 | 17.20 | 17.00 | 16.20 | 12.00 | | |
| 19 | 16.20 | 88.40 | 64.00 | 64.00 | 24.80 | 33.20 | 52.80 | 29.30 | 14.40 | 17.20 | 17.20 | 14.00 | | |
| 20 | 16.80 | 71.60 | 127.85 | 55.60 | 23.60 | 29.90 | 49.20 | 23.90 | 13.20 | 17.80 | 16.80 | 13.60 | | |
| 21 | 14.40 | 66.40 | 164.80 | 51.20 | 21.75 | 34.10 | 48.40 | 24.20 | 14.80 | 17.40 | 14.80 | 13.20 | | |
| 22 | 13.20 | 68.80 | 147.85 | 45.60 | 20.50 | 31.40 | 44.00 | 24.50 | 17.20 | 17.40 | 12.20 | 14.00 | | |
| 23 | 16.80 | 93.35 | 113.50 | 40.95 | 22.00 | 32.60 | 39.20 | 22.00 | 16.40 | 17.80 | 11.80 | 12.40 | | |
| 24 | 18.25 | 77.60 | 88.85 | 38.50 | 21.00 | 33.80 | 34.40 | 22.25 | 15.80 | 16.60 | 10.40 | 8.60 | | |
| 25 | 18.25 | 66.80 | 105.28 | 36.05 | 21.75 | 32.60 | 42.00 | 21.25 | 14.60 | 16.80 | 7.00 | 10.40 | | |
| 26 | 28.10 | 56.00 | 124.18 | 30.50 | 21.75 | 29.60 | 33.80 | 18.75 | 13.60 | 15.40 | 6.00 | 10.60 | | |
| 27 | 29.60 | 49.60 | 107.65 | 30.50 | 30.50 | 34.10 | 30.80 | 16.40 | 12.00 | 12.80 | 4.60 | 8.40 | | |
| 28 | 25.70 | 40.60 | 91.55 | 38.85 | 33.80 | 48.00 | 27.20 | 16.20 | 12.20 | 10.80 | 3.20 | 6.40 | | |
| 29 | 24.20 | 39.90 | 72.40 | 34.40 | 29.30 | 37.10 | 25.10 | 15.80 | 12.40 | 9.80 | | 12.80 | | |
| 30 | 20.25 | 32.90 | 60.80 | 31.70 | 33.80 | 44.40 | 24.20 | 15.80 | 12.00 | 10.60 | | 11.20 | | |
| 31 | | 30.20 | | 33.80 | 38.15 | | 21.00 | | 12.40 | 11.40 | | 9.80 | | |
| Total | 579.90 | 1198.95 | 1755.96 | 2225.75 | 775.20 | 1132.00 | 1654.35 | 713.05 | 461.15 | 513.50 | 307.40 | 292.80 | 11610.01 | CMSDAY |
| Mean | 19.33 | 38.68 | 58.53 | 71.80 | 25.01 | 37.73 | 53.37 | 23.77 | 14.88 | 16.56 | 10.98 | 9.45 | 31.81 | CMS |
| Max | 29.60 | 93.35 | 164.80 | 304.60 | 38.15 | 55.20 | 94.70 | 36.40 | 19.00 | 31.40 | 17.20 | 14.00 | 304.60 | CMS |
| Min | 10.80 | 15.00 | 17.80 | 30.50 | 19.50 | 22.00 | 21.00 | 15.80 | 12.00 | 9.80 | 3.20 | 2.40 | 2.40 | CMS |
| Runoff | 50.10 | 103.59 | 151.71 | 192.30 | 66.98 | 97.80 | 142.94 | 61.61 | 39.84 | 44.37 | 26.56 | 25.30 | 1003.10 | MCM |

Momentary Peak 318.80 CMS. at 5.24 m. (MSL.) at 16.00 Hours , on Jul 12 , 2006

Runoff Yield 54.11 Liters/Second/Square KM. Momentary Peak Yield 542.36 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Ton at Ban Ton , Satun (X.237)

Lat 06 - 51 - 20 N Long 100 - 09 - 13 E

**Location : on right bank at Ban Ton.**

| | | | |
|---|---|---|---|
| | **Ban** Ton | **Amphoe** Khuan Kalong | **Changwat** Satun |
| **Drainge Area** | 89 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank at the abutment of the bridge. | | **Elevation** +50.316 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 28 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

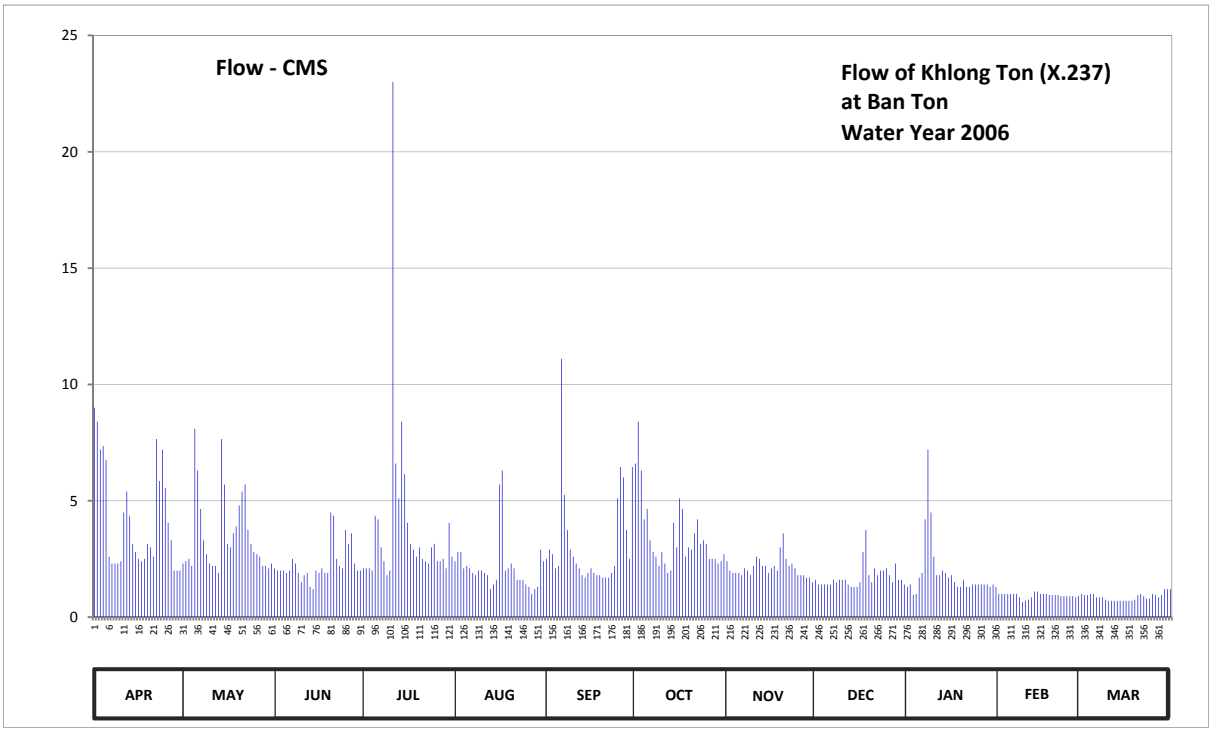
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 45.60 | 45.13 | 45.11 | 45.11 | 45.14 | 45.15 | 45.44 | 45.14 | 45.06 | 45.03 | 45.00 | 45.00 | |
| 2 | 45.56 | 45.14 | 45.10 | 45.11 | 45.18 | 45.19 | 45.56 | 45.10 | 45.04 | 45.04 | 45.00 | 44.99 | |
| 3 | 45.48 | 45.15 | 45.10 | 45.11 | 45.18 | 45.17 | 45.42 | 45.09 | 45.04 | 44.99 | 45.00 | 44.99 | |
| 4 | 45.49 | 45.12 | 45.10 | 45.10 | 45.11 | 45.11 | 45.28 | 45.09 | 45.04 | 45.00 | 45.00 | 45.00 | |
| 5 | 45.45 | 45.54 | 45.09 | 45.29 | 45.12 | 45.12 | 45.31 | 45.09 | 45.04 | 45.07 | 45.00 | 45.00 | |
| 6 | 45.16 | 45.42 | 45.10 | 45.28 | 45.11 | 45.74 | 45.22 | 45.08 | 45.04 | 45.09 | 45.00 | 44.97 | |
| 7 | 45.13 | 45.31 | 45.15 | 45.20 | 45.09 | 45.35 | 45.18 | 45.11 | 45.06 | 45.28 | 45.00 | 44.97 | |
| 8 | 45.13 | 45.22 | 45.13 | 45.14 | 45.08 | 45.25 | 45.16 | 45.10 | 45.05 | 45.48 | 44.97 | 44.97 | |
| 9 | 45.13 | 45.17 | 45.09 | 45.08 | 45.10 | 45.19 | 45.12 | 45.08 | 45.06 | 45.30 | 44.93 | 44.95 | |
| 10 | 45.14 | 45.13 | 45.05 | 45.10 | 45.10 | 45.16 | 45.18 | 45.12 | 45.06 | 45.16 | 44.94 | 44.94 | |
| 11 | 45.30 | 45.12 | 45.08 | 46.40 | 45.09 | 45.13 | 45.13 | 45.16 | 45.06 | 45.08 | 44.95 | 44.94 | |
| 12 | 45.36 | 45.12 | 45.09 | 45.44 | 45.08 | 45.11 | 45.09 | 45.15 | 45.04 | 45.08 | 44.97 | 44.94 | |
| 13 | 45.29 | 45.09 | 45.03 | 45.34 | 45.02 | 45.08 | 45.10 | 45.12 | 45.03 | 45.10 | 45.01 | 44.94 | |
| 14 | 45.21 | 45.51 | 45.02 | 45.56 | 45.04 | 45.07 | 45.27 | 45.12 | 45.03 | 45.09 | 45.01 | 44.94 | |
| 15 | 45.18 | 45.38 | 45.10 | 45.41 | 45.06 | 45.09 | 45.20 | 45.09 | 45.03 | 45.07 | 45.00 | 44.94 | |
| 16 | 45.15 | 45.21 | 45.09 | 45.27 | 45.38 | 45.11 | 45.34 | 45.11 | 45.05 | 45.08 | 45.00 | 44.94 | |
| 17 | 45.14 | 45.20 | 45.11 | 45.21 | 45.42 | 45.09 | 45.31 | 45.12 | 45.18 | 45.05 | 45.00 | 44.94 | |
| 18 | 45.15 | 45.24 | 45.09 | 45.19 | 45.10 | 45.08 | 45.16 | 45.10 | 45.25 | 45.03 | 44.99 | 44.94 | |
| 19 | 45.21 | 45.26 | 45.09 | 45.16 | 45.11 | 45.08 | 45.20 | 45.20 | 45.08 | 45.03 | 44.99 | 44.95 | |
| 20 | 45.20 | 45.32 | 45.30 | 45.20 | 45.13 | 45.07 | 45.19 | 45.24 | 45.05 | 45.06 | 44.99 | 44.99 | |
| 21 | 45.16 | 45.36 | 45.29 | 45.15 | 45.11 | 45.07 | 45.24 | 45.15 | 45.11 | 45.03 | 44.99 | 45.00 | |
| 22 | 45.51 | 45.38 | 45.15 | 45.14 | 45.06 | 45.07 | 45.28 | 45.12 | 45.08 | 45.03 | 44.98 | 44.98 | |
| 23 | 45.39 | 45.25 | 45.12 | 45.13 | 45.06 | 45.09 | 45.21 | 45.13 | 45.10 | 45.04 | 44.98 | 44.96 | |
| 24 | 45.48 | 45.21 | 45.11 | 45.20 | 45.06 | 45.12 | 45.22 | 45.11 | 45.10 | 45.04 | 44.98 | 44.96 | |
| 25 | 45.37 | 45.18 | 45.25 | 45.21 | 45.04 | 45.34 | 45.21 | 45.08 | 45.11 | 45.04 | 44.98 | 45.00 | |
| 26 | 45.27 | 45.17 | 45.21 | 45.14 | 45.03 | 45.43 | 45.15 | 45.08 | 45.08 | 45.04 | 44.98 | 44.99 | |
| 27 | 45.22 | 45.16 | 45.24 | 45.14 | 45.00 | 45.40 | 45.15 | 45.08 | 45.05 | 45.04 | 44.97 | 44.97 | |
| 28 | 45.10 | 45.12 | 45.13 | 45.15 | 45.02 | 45.25 | 45.15 | 45.07 | 45.13 | 45.04 | 44.98 | 44.99 | |
| 29 | 45.10 | 45.12 | 45.10 | 45.11 | 45.03 | 45.15 | 45.13 | 45.07 | 45.06 | 45.03 | | 45.02 | |
| 30 | 45.10 | 45.11 | 45.10 | 45.27 | 45.19 | 45.43 | 45.14 | 45.05 | 45.06 | 45.04 | | 45.02 | |
| 31 | | 45.13 | | 45.16 | 45.14 | | 45.17 | | 45.04 | 45.03 | | 45.02 | |
| Mean | 45.27 | 45.22 | 45.12 | 45.24 | 45.11 | 45.19 | 45.22 | 45.11 | 45.07 | 45.08 | 44.99 | 44.97 | |
| Max | 45.60 | 45.54 | 45.30 | 46.40 | 45.42 | 45.74 | 45.56 | 45.24 | 45.25 | 45.48 | 45.01 | 45.02 | 46.40 |
| Min | 45.10 | 45.09 | 45.02 | 45.08 | 45.00 | 45.07 | 45.09 | 45.05 | 45.03 | 44.99 | 44.93 | 44.94 | 44.93 |

Annual Max Momentary Gage Height 48.20 m. (MSL.) , at 16.00 Hours , on Sep 6 , 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 44.05 m. (MSL.)

Left Bank Elevation 50.23 m. (MSL.) ,

Right Bank Elevation 50.15 m. (MSL.) , Drainage Are 89 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.00 | 2.30 | 2.10 | 2.10 | 2.40 | 2.50 | 6.60 | 2.40 | 1.60 | 1.30 | 1.00 | 1.00 | | |
| 2 | 8.40 | 2.40 | 2.00 | 2.10 | 2.80 | 2.90 | 8.40 | 2.00 | 1.40 | 1.40 | 1.00 | 0.95 | | |
| 3 | 7.20 | 2.50 | 2.00 | 2.10 | 2.80 | 2.70 | 6.30 | 1.90 | 1.40 | 0.95 | 1.00 | 0.95 | | |
| 4 | 7.35 | 2.20 | 2.00 | 2.00 | 2.10 | 2.10 | 4.20 | 1.90 | 1.40 | 1.00 | 1.00 | 1.00 | | |
| 5 | 6.75 | 8.10 | 1.90 | 4.35 | 2.20 | 2.20 | 4.65 | 1.90 | 1.40 | 1.70 | 1.00 | 1.00 | | |
| 6 | 2.60 | 6.30 | 2.00 | 4.20 | 2.10 | 11.10 | 3.30 | 1.80 | 1.40 | 1.90 | 1.00 | 0.85 | | |
| 7 | 2.30 | 4.65 | 2.50 | 3.00 | 1.90 | 5.25 | 2.80 | 2.10 | 1.60 | 4.20 | 1.00 | 0.85 | | |
| 8 | 2.30 | 3.30 | 2.30 | 2.40 | 1.80 | 3.75 | 2.60 | 2.00 | 1.50 | 7.20 | 0.85 | 0.85 | | |
| 9 | 2.30 | 2.70 | 1.90 | 1.80 | 2.00 | 2.90 | 2.20 | 1.80 | 1.60 | 4.50 | 0.65 | 0.75 | | |
| 10 | 2.40 | 2.30 | 1.50 | 2.00 | 2.00 | 2.60 | 2.80 | 2.20 | 1.60 | 2.60 | 0.70 | 0.70 | | |
| 11 | 4.50 | 2.20 | 1.80 | 23.00 | 1.90 | 2.30 | 2.30 | 2.60 | 1.60 | 1.80 | 0.75 | 0.70 | | |
| 12 | 5.40 | 2.20 | 1.90 | 6.60 | 1.80 | 2.10 | 1.90 | 2.50 | 1.40 | 1.80 | 0.85 | 0.70 | | |
| 13 | 4.35 | 1.90 | 1.30 | 5.10 | 1.20 | 1.80 | 2.00 | 2.20 | 1.30 | 2.00 | 1.10 | 0.70 | | |
| 14 | 3.15 | 7.65 | 1.20 | 8.40 | 1.40 | 1.70 | 4.05 | 2.20 | 1.30 | 1.90 | 1.10 | 0.70 | | |
| 15 | 2.80 | 5.70 | 2.00 | 6.15 | 1.60 | 1.90 | 3.00 | 1.90 | 1.30 | 1.70 | 1.00 | 0.70 | | |
| 16 | 2.50 | 3.15 | 1.90 | 4.05 | 5.70 | 2.10 | 5.10 | 2.10 | 1.50 | 1.80 | 1.00 | 0.70 | | |
| 17 | 2.40 | 3.00 | 2.10 | 3.15 | 6.30 | 1.90 | 4.65 | 2.20 | 2.80 | 1.50 | 1.00 | 0.70 | | |
| 18 | 2.50 | 3.60 | 1.90 | 2.90 | 2.00 | 1.80 | 2.60 | 2.00 | 3.75 | 1.30 | 0.95 | 0.70 | | |
| 19 | 3.15 | 3.90 | 1.90 | 2.60 | 2.10 | 1.80 | 3.00 | 3.00 | 1.80 | 1.30 | 0.95 | 0.75 | | |
| 20 | 3.00 | 4.80 | 4.50 | 3.00 | 2.30 | 1.70 | 2.90 | 3.60 | 1.50 | 1.60 | 0.95 | 0.95 | | |
| 21 | 2.60 | 5.40 | 4.35 | 2.50 | 2.10 | 1.70 | 3.60 | 2.50 | 2.10 | 1.30 | 0.95 | 1.00 | | |
| 22 | 7.65 | 5.70 | 2.50 | 2.40 | 1.60 | 1.70 | 4.20 | 2.20 | 1.80 | 1.30 | 0.90 | 0.90 | | |
| 23 | 5.85 | 3.75 | 2.20 | 2.30 | 1.60 | 1.90 | 3.15 | 2.30 | 2.00 | 1.40 | 0.90 | 0.80 | | |
| 24 | 7.20 | 3.15 | 2.10 | 3.00 | 1.60 | 2.20 | 3.30 | 2.10 | 2.00 | 1.40 | 0.90 | 0.80 | | |
| 25 | 5.55 | 2.80 | 3.75 | 3.15 | 1.40 | 5.10 | 3.15 | 1.80 | 2.10 | 1.40 | 0.90 | 1.00 | | |
| 26 | 4.05 | 2.70 | 3.15 | 2.40 | 1.30 | 6.45 | 2.50 | 1.80 | 1.80 | 1.40 | 0.90 | 0.95 | | |
| 27 | 3.30 | 2.60 | 3.60 | 2.40 | 1.00 | 6.00 | 2.50 | 1.80 | 1.50 | 1.40 | 0.85 | 0.85 | | |
| 28 | 2.00 | 2.20 | 2.30 | 2.50 | 1.20 | 3.75 | 2.50 | 1.70 | 2.30 | 1.40 | 0.90 | 0.95 | | |
| 29 | 2.00 | 2.20 | 2.00 | 2.10 | 1.30 | 2.50 | 2.30 | 1.70 | 1.60 | 1.30 | | 1.20 | | |
| 30 | 2.00 | 2.10 | 2.00 | 4.05 | 2.90 | 6.45 | 2.40 | 1.50 | 1.60 | 1.40 | | 1.20 | | |
| 31 | | 2.30 | | 2.60 | 2.40 | | 2.70 | | 1.40 | 1.30 | | 1.20 | | |
| Total | 126.55 | 109.75 | 68.65 | 120.40 | 66.80 | 94.85 | 107.65 | 63.70 | 53.35 | 58.45 | 26.05 | 27.05 | 923.25 | CMSDAY |
| Mean | 4.22 | 3.54 | 2.29 | 3.88 | 2.15 | 3.16 | 3.47 | 2.12 | 1.72 | 1.89 | 0.93 | 0.87 | 2.53 | CMS |
| Max | 9.00 | 8.10 | 4.50 | 23.00 | 6.30 | 11.10 | 8.40 | 3.60 | 3.75 | 7.20 | 1.10 | 1.20 | 23.00 | CMS |
| Min | 2.00 | 1.90 | 1.20 | 1.80 | 1.00 | 1.70 | 1.90 | 1.50 | 1.30 | 0.95 | 0.65 | 0.70 | 0.65 | CMS |
| Runoff | 10.93 | 9.48 | 5.93 | 10.40 | 5.77 | 8.20 | 9.30 | 5.50 | 4.61 | 5.05 | 2.25 | 2.34 | 79.77 | MCM |

Momentary Peak 85.00 CMS. at 48.20 m. (MSL.) at 16.00 Hours , on Sep 6 , 2006

Runoff Yield 28.19 Liters/Second/Square KM. Momentary Peak Yield 947.18 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Cheang at Ban Khlong Hak , Satun (X.238)

Lat 06 - 48 - 19 N Long 100 - 07 - 50 E

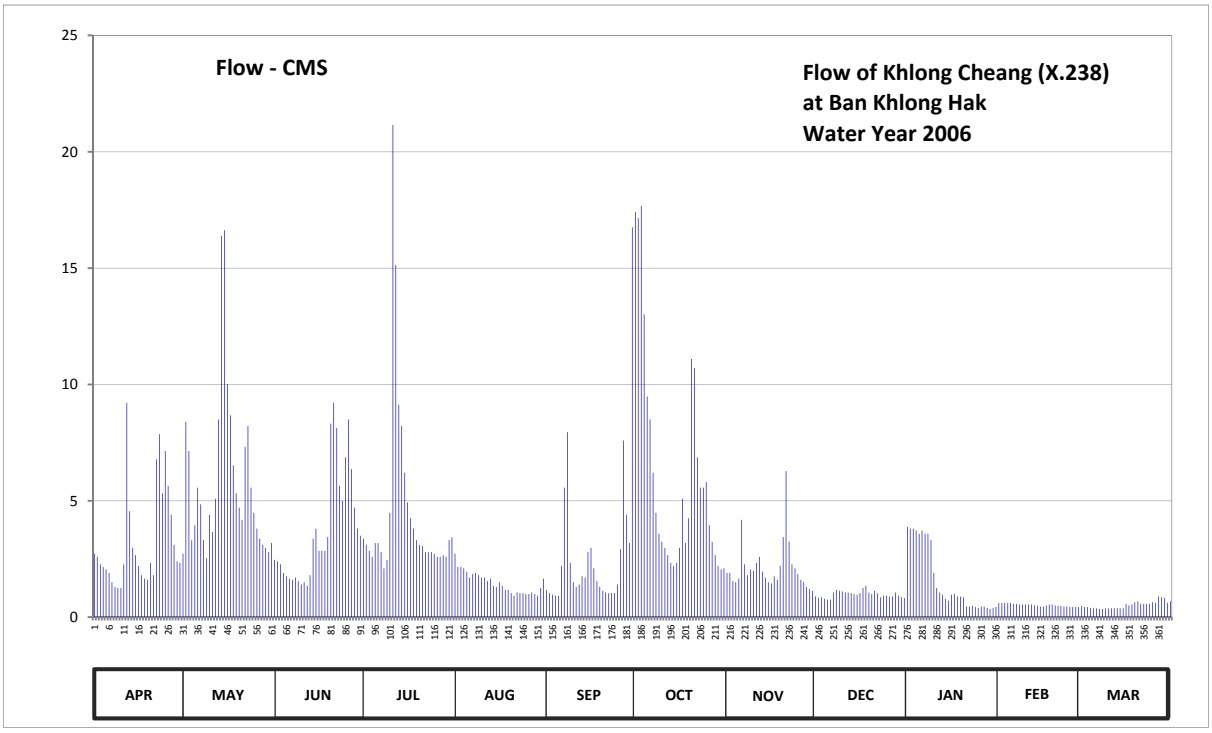
**Location : on left bank at Ban Khlong Hak.**

| | | | |
|---|---|---|---|
| | **Ban** Khlong Hak | **Amphoe** Khuan Don | **Changwat** Satun |
| **Drainge Area** | 77 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On left bank at the abutment of the bridge. | | **Elevation** +37.552 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 30 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.48 | 32.48 | 32.44 | 32.58 | 32.48 | 32.19 | 34.03 | 32.34 | 32.11 | 32.65 | 32.03 | 31.99 | |
| 2 | 32.46 | 33.20 | 32.43 | 32.54 | 32.39 | 32.15 | 34.01 | 32.34 | 32.09 | 32.64 | 32.03 | 31.97 | |
| 3 | 32.41 | 33.06 | 32.41 | 32.50 | 32.39 | 32.13 | 34.05 | 32.27 | 32.10 | 32.64 | 32.03 | 31.97 | |
| 4 | 32.39 | 32.57 | 32.34 | 32.46 | 32.38 | 32.12 | 33.67 | 32.26 | 32.08 | 32.63 | 32.03 | 31.96 | |
| 5 | 32.37 | 32.66 | 32.31 | 32.55 | 32.35 | 32.12 | 33.32 | 32.29 | 32.07 | 32.61 | 32.03 | 31.95 | |
| 6 | 32.34 | 32.87 | 32.29 | 32.55 | 32.30 | 32.40 | 33.21 | 32.69 | 32.07 | 32.63 | 32.02 | 31.95 | |
| 7 | 32.26 | 32.78 | 32.28 | 32.49 | 32.33 | 32.87 | 32.95 | 32.41 | 32.16 | 32.61 | 32.02 | 31.94 | |
| 8 | 32.22 | 32.57 | 32.30 | 32.38 | 32.34 | 33.15 | 32.73 | 32.32 | 32.19 | 32.61 | 32.01 | 31.94 | |
| 9 | 32.21 | 32.45 | 32.27 | 32.44 | 32.32 | 32.42 | 32.61 | 32.37 | 32.18 | 32.57 | 32.01 | 31.95 | |
| 10 | 32.21 | 32.72 | 32.24 | 32.73 | 32.30 | 32.26 | 32.56 | 32.36 | 32.17 | 32.34 | 32.01 | 31.95 | |
| 11 | 32.41 | 32.62 | 32.26 | 34.30 | 32.30 | 32.22 | 32.52 | 32.42 | 32.16 | 32.21 | 32.01 | 31.95 | |
| 12 | 33.29 | 32.81 | 32.23 | 33.85 | 32.27 | 32.24 | 32.47 | 32.46 | 32.16 | 32.16 | 32.01 | 31.95 | |
| 13 | 32.74 | 33.21 | 32.32 | 33.28 | 32.29 | 32.31 | 32.42 | 32.35 | 32.15 | 32.13 | 32.00 | 31.95 | |
| 14 | 32.52 | 33.95 | 32.58 | 33.18 | 32.23 | 32.30 | 32.40 | 32.30 | 32.14 | 32.08 | 31.99 | 31.95 | |
| 15 | 32.47 | 33.97 | 32.64 | 32.95 | 32.22 | 32.49 | 32.42 | 32.26 | 32.13 | 32.06 | 31.98 | 31.95 | |
| 16 | 32.40 | 33.38 | 32.50 | 32.79 | 32.26 | 32.52 | 32.52 | 32.25 | 32.15 | 32.13 | 31.98 | 32.02 | |
| 17 | 32.32 | 33.23 | 32.50 | 32.70 | 32.23 | 32.38 | 32.81 | 32.31 | 32.21 | 32.14 | 32.00 | 32.00 | |
| 18 | 32.29 | 32.99 | 32.50 | 32.64 | 32.19 | 32.27 | 32.55 | 32.28 | 32.23 | 32.11 | 32.01 | 32.01 | |
| 19 | 32.28 | 32.84 | 32.59 | 32.57 | 32.19 | 32.22 | 32.70 | 32.40 | 32.16 | 32.11 | 32.01 | 32.04 | |
| 20 | 32.42 | 32.76 | 33.19 | 32.54 | 32.15 | 32.18 | 33.49 | 32.59 | 32.14 | 32.10 | 32.00 | 32.05 | |
| 21 | 32.32 | 32.69 | 33.29 | 32.53 | 32.12 | 32.16 | 33.45 | 32.96 | 32.18 | 31.98 | 31.99 | 32.02 | |
| 22 | 33.02 | 33.08 | 33.17 | 32.49 | 32.16 | 32.15 | 33.03 | 32.56 | 32.15 | 31.98 | 31.99 | 32.02 | |
| 23 | 33.14 | 33.18 | 32.88 | 32.49 | 32.15 | 32.15 | 32.87 | 32.41 | 32.10 | 31.99 | 31.98 | 32.02 | |
| 24 | 32.84 | 32.87 | 32.80 | 32.49 | 32.15 | 32.15 | 32.87 | 32.38 | 32.12 | 31.97 | 31.98 | 32.02 | |
| 25 | 33.06 | 32.73 | 33.03 | 32.48 | 32.14 | 32.24 | 32.90 | 32.33 | 32.12 | 31.96 | 31.97 | 32.04 | |
| 26 | 32.88 | 32.64 | 33.21 | 32.46 | 32.14 | 32.51 | 32.66 | 32.28 | 32.11 | 31.98 | 31.97 | 32.03 | |
| 27 | 32.72 | 32.58 | 32.97 | 32.46 | 32.16 | 33.11 | 32.56 | 32.26 | 32.11 | 31.98 | 31.97 | 32.11 | |
| 28 | 32.54 | 32.54 | 32.76 | 32.47 | 32.14 | 32.72 | 32.47 | 32.22 | 32.16 | 31.96 | 31.97 | 32.10 | |
| 29 | 32.43 | 32.52 | 32.64 | 32.46 | 32.12 | 32.55 | 32.40 | 32.20 | 32.12 | 31.94 | | 32.09 | |
| 30 | 32.42 | 32.49 | 32.60 | 32.57 | 32.21 | 33.98 | 32.37 | 32.18 | 32.10 | 31.96 | | 32.03 | |
| 31 | | 32.55 | | 32.59 | 32.29 | | 32.38 | | 32.09 | 31.97 | | 32.05 | |
| Mean | 32.53 | 32.87 | 32.60 | 32.69 | 32.25 | 32.42 | 32.88 | 32.37 | 32.14 | 32.22 | 32.00 | 32.00 | |
| Max | 33.29 | 33.97 | 33.29 | 34.30 | 32.48 | 33.98 | 34.05 | 32.96 | 32.23 | 32.65 | 32.03 | 32.11 | 34.30 |
| Min | 32.21 | 32.45 | 32.23 | 32.38 | 32.12 | 32.12 | 32.37 | 32.18 | 32.07 | 31.94 | 31.97 | 31.94 | 31.94 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 35.32 | m. (MSL.) , | at 14.00 Hours , on Jul 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 31.44 | m. (MSL.) |
| Left Bank Elevation | 37.81 | m. (MSL.) , | | | |
| Right Bank Elevation | 37.78 | m. (MSL.) , | Drainage Are | 77 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.72 | 2.72 | 2.46 | 3.37 | 2.72 | 1.17 | 17.41 | 1.90 | 0.89 | 3.88 | 0.61 | 0.48 | | |
| 2 | 2.59 | 8.40 | 2.40 | 3.11 | 2.15 | 1.03 | 17.14 | 1.90 | 0.82 | 3.80 | 0.61 | 0.43 | | |
| 3 | 2.27 | 7.14 | 2.27 | 2.85 | 2.15 | 0.96 | 17.68 | 1.55 | 0.85 | 3.80 | 0.61 | 0.43 | | |
| 4 | 2.15 | 3.31 | 1.90 | 2.59 | 2.10 | 0.92 | 13.01 | 1.50 | 0.78 | 3.73 | 0.61 | 0.40 | | |
| 5 | 2.05 | 3.95 | 1.75 | 3.18 | 1.95 | 0.92 | 9.48 | 1.65 | 0.75 | 3.58 | 0.61 | 0.38 | | |
| 6 | 1.90 | 5.56 | 1.65 | 3.18 | 1.70 | 2.20 | 8.49 | 4.18 | 0.75 | 3.73 | 0.57 | 0.38 | | |
| 7 | 1.50 | 4.85 | 1.60 | 2.79 | 1.85 | 5.56 | 6.20 | 2.27 | 1.06 | 3.58 | 0.57 | 0.35 | | |
| 8 | 1.30 | 3.31 | 1.70 | 2.10 | 1.90 | 7.95 | 4.48 | 1.80 | 1.17 | 3.58 | 0.54 | 0.35 | | |
| 9 | 1.25 | 2.53 | 1.55 | 2.46 | 1.80 | 2.33 | 3.58 | 2.05 | 1.13 | 3.31 | 0.54 | 0.38 | | |
| 10 | 1.25 | 4.40 | 1.40 | 4.48 | 1.70 | 1.50 | 3.24 | 2.00 | 1.10 | 1.90 | 0.54 | 0.38 | | |
| 11 | 2.27 | 3.65 | 1.50 | 21.15 | 1.70 | 1.30 | 2.98 | 2.33 | 1.06 | 1.25 | 0.54 | 0.38 | | |
| 12 | 9.21 | 5.08 | 1.35 | 15.13 | 1.55 | 1.40 | 2.66 | 2.59 | 1.06 | 1.06 | 0.54 | 0.38 | | |
| 13 | 4.55 | 8.49 | 1.80 | 9.12 | 1.65 | 1.75 | 2.33 | 1.95 | 1.03 | 0.96 | 0.50 | 0.38 | | |
| 14 | 2.98 | 16.38 | 3.37 | 8.22 | 1.35 | 1.70 | 2.20 | 1.70 | 0.99 | 0.78 | 0.48 | 0.38 | | |
| 15 | 2.66 | 16.63 | 3.80 | 6.20 | 1.30 | 2.79 | 2.33 | 1.50 | 0.96 | 0.71 | 0.45 | 0.38 | | |
| 16 | 2.20 | 10.02 | 2.85 | 4.93 | 1.50 | 2.98 | 2.98 | 1.45 | 1.03 | 0.96 | 0.45 | 0.57 | | |
| 17 | 1.80 | 8.67 | 2.85 | 4.25 | 1.35 | 2.10 | 5.08 | 1.75 | 1.25 | 0.99 | 0.50 | 0.50 | | |
| 18 | 1.65 | 6.52 | 2.85 | 3.80 | 1.17 | 1.55 | 3.18 | 1.60 | 1.35 | 0.89 | 0.54 | 0.54 | | |
| 19 | 1.60 | 5.32 | 3.44 | 3.31 | 1.17 | 1.30 | 4.25 | 2.20 | 1.06 | 0.89 | 0.54 | 0.64 | | |
| 20 | 2.33 | 4.70 | 8.31 | 3.11 | 1.03 | 1.13 | 11.10 | 3.44 | 0.99 | 0.85 | 0.50 | 0.68 | | |
| 21 | 1.80 | 4.18 | 9.21 | 3.05 | 0.92 | 1.06 | 10.70 | 6.28 | 1.13 | 0.45 | 0.48 | 0.57 | | |
| 22 | 6.78 | 7.32 | 8.13 | 2.79 | 1.06 | 1.03 | 6.87 | 3.24 | 1.03 | 0.45 | 0.48 | 0.57 | | |
| 23 | 7.86 | 8.22 | 5.64 | 2.79 | 1.03 | 1.03 | 5.56 | 2.27 | 0.85 | 0.48 | 0.45 | 0.57 | | |
| 24 | 5.32 | 5.56 | 5.00 | 2.79 | 1.03 | 1.03 | 5.56 | 2.10 | 0.92 | 0.43 | 0.45 | 0.57 | | |
| 25 | 7.14 | 4.48 | 6.87 | 2.72 | 0.99 | 1.40 | 5.80 | 1.85 | 0.92 | 0.40 | 0.43 | 0.64 | | |
| 26 | 5.64 | 3.80 | 8.49 | 2.59 | 0.99 | 2.92 | 3.95 | 1.60 | 0.89 | 0.45 | 0.43 | 0.61 | | |
| 27 | 4.40 | 3.37 | 6.36 | 2.59 | 1.06 | 7.59 | 3.24 | 1.50 | 0.89 | 0.45 | 0.43 | 0.89 | | |
| 28 | 3.11 | 3.11 | 4.70 | 2.66 | 0.99 | 4.40 | 2.66 | 1.30 | 1.06 | 0.40 | 0.43 | 0.85 | | |
| 29 | 2.40 | 2.98 | 3.80 | 2.59 | 0.92 | 3.18 | 2.20 | 1.20 | 0.92 | 0.35 | | 0.82 | | |
| 30 | 2.33 | 2.79 | 3.50 | 3.31 | 1.25 | 16.75 | 2.05 | 1.13 | 0.85 | 0.40 | | 0.61 | | |
| 31 | | 3.18 | | 3.44 | 1.65 | | 2.10 | | 0.82 | 0.43 | | 0.68 | | |
| Total | 97.01 | 180.62 | 112.50 | 140.65 | 45.68 | 82.93 | 190.49 | 63.78 | 30.36 | 48.92 | 14.43 | 16.17 | 1023.54 | CMSDAY |
| Mean | 3.23 | 5.83 | 3.75 | 4.54 | 1.47 | 2.76 | 6.14 | 2.13 | 0.98 | 1.58 | 0.52 | 0.52 | 2.80 | CMS |
| Max | 9.21 | 16.63 | 9.21 | 21.15 | 2.72 | 16.75 | 17.68 | 6.28 | 1.35 | 3.88 | 0.61 | 0.89 | 21.15 | CMS |
| Min | 1.25 | 2.53 | 1.35 | 2.10 | 0.92 | 0.92 | 2.05 | 1.13 | 0.75 | 0.35 | 0.43 | 0.35 | 0.35 | CMS |
| Runoff | 8.38 | 15.61 | 9.72 | 12.15 | 3.95 | 7.17 | 16.46 | 5.51 | 2.62 | 4.23 | 1.25 | 1.40 | 88.43 | MCM |

Momentary Peak 38.18 CMS. at 35.32 m. (MSL.) at 14.00 Hours , on Jul 11 , 2006

Runoff Yield 36.12 Liters/Second/Square KM. Momentary Peak Yield 491.79 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Duson at Ban Cha Lung Nua , Satun (X.239)

Lat 06 - 43 - 38 N Long 100 - 03 - 50 E

**Location : on right bank at Ban Cha Lung Nua.**

| | | | |
|---|---|---|---|
| | **Ban** Cha Lung Nua | **Amphoe** Mueang | **Changwat** Satun |
| **Drainge Area** | 267 sq.km. | | |
| **Type of Gage** | Water - stage recorder | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | On right bank near the top staff gage. | | **Elevation** +17.044 m. (MSL.) |
| **Gage Reading Frequency** | Recording | | |
| **Basis of Mean Daily Gage Height** | Arithmetic mean of 24 readings | | |
| **Period of Available Gage Records** | 2004 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2004 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2004 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records fair. Stage-discharge relation defined by 31 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

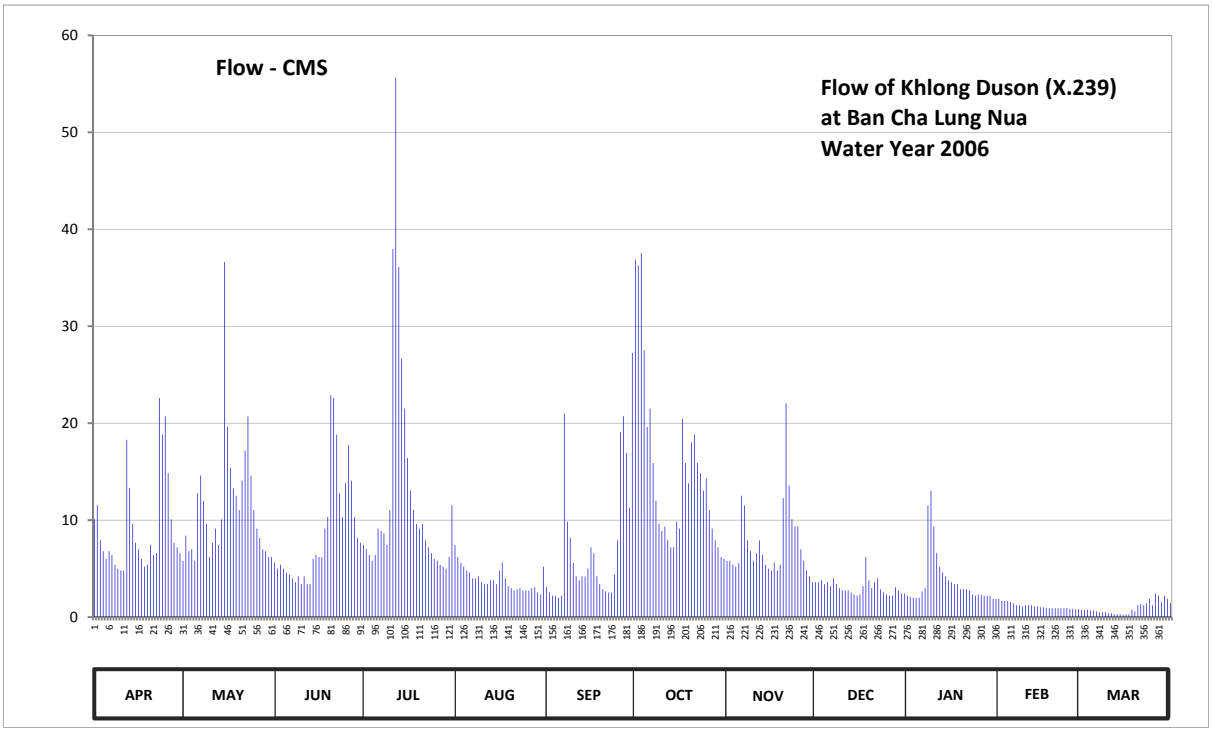
| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.92 | 13.73 | 13.72 | 13.81 | 13.81 | 13.59 | 14.99 | 13.73 | 13.62 | 13.51 | 13.48 | 13.35 | |
| 2 | 13.98 | 13.85 | 13.69 | 13.79 | 13.75 | 13.54 | 14.94 | 13.73 | 13.62 | 13.50 | 13.46 | 13.35 | |
| 3 | 13.83 | 13.78 | 13.71 | 13.76 | 13.72 | 13.51 | 15.04 | 13.71 | 13.63 | 13.49 | 13.46 | 13.35 | |
| 4 | 13.78 | 13.79 | 13.69 | 13.73 | 13.70 | 13.51 | 14.57 | 13.70 | 13.61 | 13.49 | 13.46 | 13.34 | |
| 5 | 13.74 | 13.73 | 13.67 | 13.76 | 13.68 | 13.49 | 14.29 | 13.72 | 13.62 | 13.49 | 13.45 | 13.34 | |
| 6 | 13.78 | 14.03 | 13.66 | 13.88 | 13.67 | 13.51 | 14.36 | 14.02 | 13.60 | 13.55 | 13.44 | 13.32 | |
| 7 | 13.76 | 14.10 | 13.64 | 13.87 | 13.64 | 14.34 | 14.15 | 13.98 | 13.64 | 13.58 | 13.42 | 13.30 | |
| 8 | 13.71 | 14.00 | 13.62 | 13.86 | 13.64 | 13.91 | 14.00 | 13.83 | 13.61 | 13.98 | 13.42 | 13.30 | |
| 9 | 13.69 | 13.90 | 13.65 | 13.81 | 13.65 | 13.84 | 13.90 | 13.78 | 13.58 | 14.04 | 13.41 | 13.30 | |
| 10 | 13.68 | 13.75 | 13.61 | 13.96 | 13.62 | 13.72 | 13.87 | 13.73 | 13.56 | 13.89 | 13.42 | 13.28 | |
| 11 | 13.68 | 13.82 | 13.65 | 15.07 | 13.61 | 13.65 | 13.89 | 13.77 | 13.56 | 13.77 | 13.42 | 13.28 | |
| 12 | 14.24 | 13.88 | 13.61 | 16.03 | 13.61 | 13.63 | 13.83 | 13.83 | 13.56 | 13.70 | 13.42 | 13.26 | |
| 13 | 14.05 | 13.81 | 13.61 | 14.93 | 13.63 | 13.65 | 13.80 | 13.76 | 13.54 | 13.67 | 13.41 | 13.26 | |
| 14 | 13.90 | 13.92 | 13.74 | 14.54 | 13.63 | 13.65 | 13.80 | 13.71 | 13.52 | 13.65 | 13.41 | 13.26 | |
| 15 | 13.82 | 14.97 | 13.76 | 14.36 | 13.61 | 13.69 | 13.91 | 13.69 | 13.51 | 13.63 | 13.40 | 13.25 | |
| 16 | 13.79 | 14.29 | 13.75 | 14.17 | 13.68 | 13.80 | 13.88 | 13.68 | 13.52 | 13.62 | 13.40 | 13.26 | |
| 17 | 13.74 | 14.13 | 13.75 | 14.04 | 13.72 | 13.77 | 14.32 | 13.72 | 13.60 | 13.61 | 13.39 | 13.26 | |
| 18 | 13.70 | 14.05 | 13.88 | 13.96 | 13.64 | 13.65 | 14.15 | 13.68 | 13.75 | 13.61 | 13.38 | 13.35 | |
| 19 | 13.71 | 14.02 | 13.93 | 13.90 | 13.60 | 13.61 | 14.07 | 13.71 | 13.63 | 13.57 | 13.38 | 13.32 | |
| 20 | 13.81 | 13.96 | 14.41 | 13.88 | 13.58 | 13.57 | 14.23 | 14.01 | 13.58 | 13.57 | 13.38 | 13.42 | |
| 21 | 13.76 | 14.08 | 14.40 | 13.90 | 13.56 | 13.55 | 14.26 | 14.38 | 13.62 | 13.57 | 13.38 | 13.43 | |
| 22 | 13.77 | 14.20 | 14.26 | 13.83 | 13.57 | 13.54 | 14.15 | 14.06 | 13.64 | 13.56 | 13.38 | 13.42 | |
| 23 | 14.40 | 14.33 | 14.03 | 13.80 | 13.58 | 13.54 | 14.11 | 13.92 | 13.57 | 13.52 | 13.38 | 13.44 | |
| 24 | 14.26 | 14.10 | 13.93 | 13.77 | 13.56 | 13.66 | 14.04 | 13.89 | 13.54 | 13.51 | 13.38 | 13.48 | |
| 25 | 14.33 | 13.96 | 14.07 | 13.74 | 13.56 | 13.83 | 14.09 | 13.89 | 13.52 | 13.52 | 13.37 | 13.42 | |
| 26 | 14.11 | 13.88 | 14.22 | 13.73 | 13.56 | 14.27 | 13.96 | 13.79 | 13.51 | 13.52 | 13.37 | 13.53 | |
| 27 | 13.92 | 13.84 | 14.08 | 13.71 | 13.58 | 14.33 | 13.88 | 13.73 | 13.51 | 13.51 | 13.36 | 13.51 | |
| 28 | 13.82 | 13.79 | 13.93 | 13.70 | 13.59 | 14.19 | 13.83 | 13.68 | 13.59 | 13.51 | 13.36 | 13.45 | |
| 29 | 13.80 | 13.78 | 13.84 | 13.69 | 13.54 | 13.97 | 13.80 | 13.65 | 13.56 | 13.51 | | 13.51 | |
| 30 | 13.77 | 13.75 | 13.82 | 13.75 | 13.52 | 14.56 | 13.75 | 13.62 | 13.53 | 13.48 | | 13.48 | |
| 31 | | 13.75 | | 13.98 | 13.70 | | 13.74 | | 13.53 | 13.48 | | 13.44 | |
| Mean | 13.87 | 13.97 | 13.84 | 14.02 | 13.63 | 13.77 | 14.12 | 13.80 | 13.58 | 13.60 | 13.41 | 13.36 | |
| Max | 14.40 | 14.97 | 14.41 | 16.03 | 13.81 | 14.56 | 15.04 | 14.38 | 13.75 | 14.04 | 13.48 | 13.53 | 16.03 |
| Min | 13.68 | 13.73 | 13.61 | 13.69 | 13.52 | 13.49 | 13.74 | 13.62 | 13.51 | 13.48 | 13.36 | 13.25 | 13.25 |

Annual Max Momentary Gage Height 16.12 m. (MSL.) , at 07.00 Hours , on Jul 12, 2006

Zero Gage at Bottom Elevation 0.00 m. (MSL.) , River Bed 12.81 m. (MSL.)

Left Bank Elevation 17.03 m. (MSL.) ,

Right Bank Elevation 17.03 m. (MSL.) , Drainage Are 267 Square Kilometers




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.08 | 5.80 | 5.60 | 7.44 | 7.44 | 3.09 | 36.88 | 5.80 | 3.60 | 2.21 | 1.88 | 0.75 | | |
| 2 | 11.52 | 8.40 | 5.00 | 7.00 | 6.20 | 2.54 | 36.25 | 5.80 | 3.60 | 2.10 | 1.66 | 0.75 | | |
| 3 | 7.92 | 6.80 | 5.40 | 6.40 | 5.60 | 2.21 | 37.56 | 5.40 | 3.80 | 1.99 | 1.66 | 0.75 | | |
| 4 | 6.80 | 7.00 | 5.00 | 5.80 | 5.20 | 2.21 | 27.53 | 5.20 | 3.40 | 1.99 | 1.66 | 0.70 | | |
| 5 | 6.00 | 5.80 | 4.60 | 6.40 | 4.80 | 1.99 | 19.63 | 5.60 | 3.60 | 1.99 | 1.55 | 0.70 | | |
| 6 | 6.80 | 12.78 | 4.40 | 9.12 | 4.60 | 2.21 | 21.52 | 12.52 | 3.20 | 2.65 | 1.44 | 0.60 | | |
| 7 | 6.40 | 14.60 | 4.00 | 8.88 | 4.00 | 20.98 | 15.90 | 11.52 | 4.00 | 2.98 | 1.22 | 0.50 | | |
| 8 | 5.40 | 12.00 | 3.60 | 8.64 | 4.00 | 9.84 | 12.00 | 7.92 | 3.40 | 11.52 | 1.22 | 0.50 | | |
| 9 | 5.00 | 9.60 | 4.20 | 7.44 | 4.20 | 8.16 | 9.60 | 6.80 | 2.98 | 13.04 | 1.11 | 0.50 | | |
| 10 | 4.80 | 6.20 | 3.40 | 11.04 | 3.60 | 5.60 | 8.88 | 5.80 | 2.76 | 9.36 | 1.22 | 0.40 | | |
| 11 | 4.80 | 7.68 | 4.20 | 37.98 | 3.40 | 4.20 | 9.36 | 6.60 | 2.76 | 6.60 | 1.22 | 0.40 | | |
| 12 | 18.28 | 9.12 | 3.40 | 55.64 | 3.40 | 3.80 | 7.92 | 7.92 | 2.76 | 5.20 | 1.22 | 0.30 | | |
| 13 | 13.30 | 7.44 | 3.40 | 36.13 | 3.80 | 4.20 | 7.20 | 6.40 | 2.54 | 4.60 | 1.11 | 0.30 | | |
| 14 | 9.60 | 10.08 | 6.00 | 26.66 | 3.80 | 4.20 | 7.20 | 5.40 | 2.32 | 4.20 | 1.11 | 0.30 | | |
| 15 | 7.68 | 36.63 | 6.40 | 21.52 | 3.40 | 5.00 | 9.84 | 5.00 | 2.21 | 3.80 | 1.00 | 0.25 | | |
| 16 | 7.00 | 19.63 | 6.20 | 16.42 | 4.80 | 7.20 | 9.12 | 4.80 | 2.32 | 3.60 | 1.00 | 0.30 | | |
| 17 | 6.00 | 15.38 | 6.20 | 13.04 | 5.60 | 6.60 | 20.44 | 5.60 | 3.20 | 3.40 | 0.95 | 0.30 | | |
| 18 | 5.20 | 13.30 | 9.12 | 11.04 | 4.00 | 4.20 | 15.90 | 4.80 | 6.20 | 3.40 | 0.90 | 0.75 | | |
| 19 | 5.40 | 12.52 | 10.32 | 9.60 | 3.20 | 3.40 | 13.82 | 5.40 | 3.80 | 2.87 | 0.90 | 0.60 | | |
| 20 | 7.44 | 11.04 | 22.89 | 9.12 | 2.98 | 2.87 | 18.01 | 12.26 | 2.98 | 2.87 | 0.90 | 1.22 | | |
| 21 | 6.40 | 14.08 | 22.60 | 9.60 | 2.76 | 2.65 | 18.82 | 22.06 | 3.60 | 2.87 | 0.90 | 1.33 | | |
| 22 | 6.60 | 17.20 | 18.82 | 7.92 | 2.87 | 2.54 | 15.90 | 13.56 | 4.00 | 2.76 | 0.90 | 1.22 | | |
| 23 | 22.60 | 20.71 | 12.78 | 7.20 | 2.98 | 2.54 | 14.86 | 10.08 | 2.87 | 2.32 | 0.90 | 1.44 | | |
| 24 | 18.82 | 14.60 | 10.32 | 6.60 | 2.76 | 4.40 | 13.04 | 9.36 | 2.54 | 2.21 | 0.90 | 1.88 | | |
| 25 | 20.71 | 11.04 | 13.82 | 6.00 | 2.76 | 7.92 | 14.34 | 9.36 | 2.32 | 2.32 | 0.85 | 1.22 | | |
| 26 | 14.86 | 9.12 | 17.74 | 5.80 | 2.76 | 19.09 | 11.04 | 7.00 | 2.21 | 2.32 | 0.85 | 2.43 | | |
| 27 | 10.08 | 8.16 | 14.08 | 5.40 | 2.98 | 20.71 | 9.12 | 5.80 | 2.21 | 2.21 | 0.80 | 2.21 | | |
| 28 | 7.68 | 7.00 | 10.32 | 5.20 | 3.09 | 16.94 | 7.92 | 4.80 | 3.09 | 2.21 | 0.80 | 1.55 | | |
| 29 | 7.20 | 6.80 | 8.16 | 5.00 | 2.54 | 11.28 | 7.20 | 4.20 | 2.76 | 2.21 | | 2.21 | | |
| 30 | 6.60 | 6.20 | 7.68 | 6.20 | 2.32 | 27.24 | 6.20 | 3.60 | 2.43 | 1.88 | | 1.88 | | |
| 31 | | 6.20 | | 11.52 | 5.20 | | 6.00 | | 2.43 | 1.88 | | 1.44 | | |
| Total | 276.97 | 352.91 | 259.65 | 391.75 | 121.04 | 219.81 | 469.00 | 226.36 | 95.89 | 115.56 | 31.83 | 29.68 | 2590.45 | CMSDAY |
| Mean | 9.23 | 11.38 | 8.66 | 12.64 | 3.90 | 7.33 | 15.13 | 7.55 | 3.09 | 3.73 | 1.14 | 0.96 | 7.10 | CMS |
| Max | 22.60 | 36.63 | 22.89 | 55.64 | 7.44 | 27.24 | 37.56 | 22.06 | 6.20 | 13.04 | 1.88 | 2.43 | 55.64 | CMS |
| Min | 4.80 | 5.80 | 3.40 | 5.00 | 2.32 | 1.99 | 6.00 | 3.60 | 2.21 | 1.88 | 0.80 | 0.25 | 0.25 | CMS |
| Runoff | 23.93 | 30.49 | 22.43 | 33.85 | 10.46 | 18.99 | 40.52 | 19.56 | 8.28 | 9.98 | 2.75 | 2.56 | 223.81 | MCM |

Momentary Peak 58.16 CMS. at 16.12 m. (MSL.) at 07.00 Hours , on Jul 12 , 2006

Runoff Yield 26.52 Liters/Second/Square KM. Momentary Peak Yield 217.34 Liters/Second/Square KM.

## WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Phangnga at Ban Bang Tong , Phangnga (X.245)

Lat 08 - 30 - 49 N Long 98 - 30 - 15 E

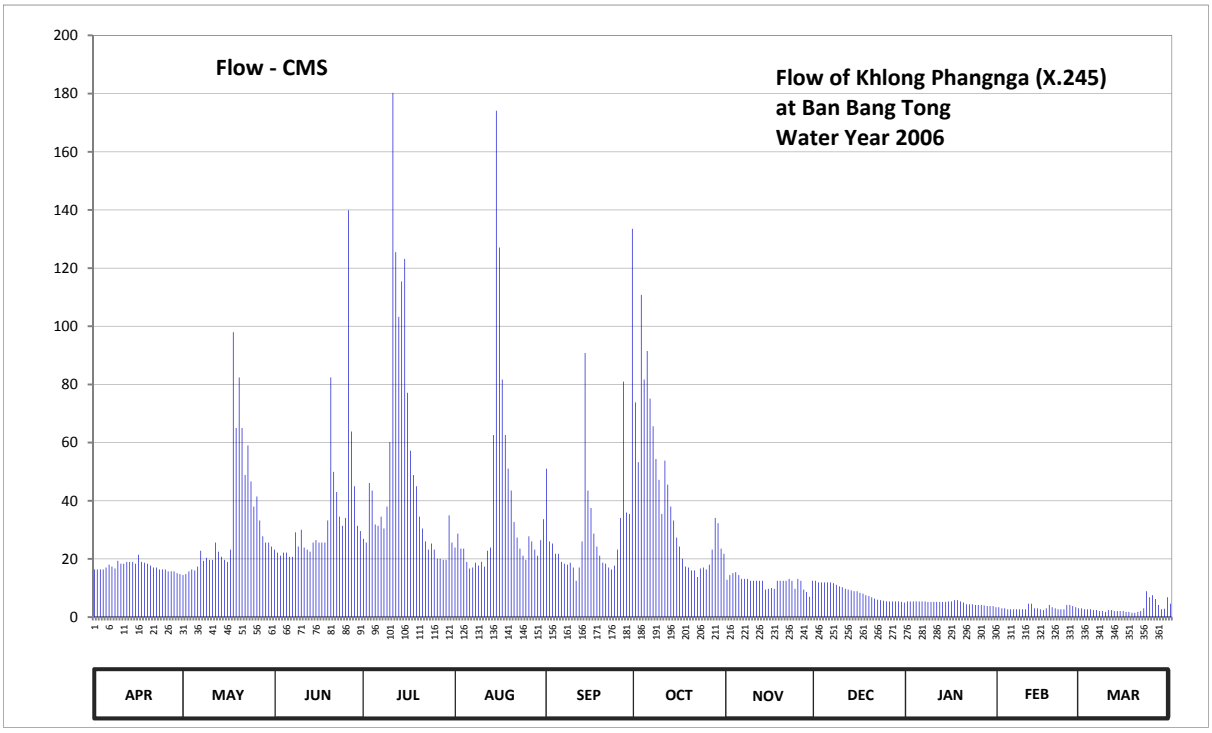
**Location : on right bank at Ban Bang Tong.**

| | | | |
|---|---|---|---|
| | **Ban** Bang Tong | **Amphoe** Mueang | **Changwat** Phangnga |
| **Drainge Area** | 242 sq.km. | | |
| **Type of Gage** | Staff gage | | |
| **Zero Gage at Bottom** | +0.000 m. (MSL.) | | |
| **Bench Mark** | B.M.-H.D. | | |
| **Location BM** | Near the gage site. | | **Elevation** +18.532 m. (MSL.) |
| **Gage Reading Frequency** | 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours. | | |
| **Basis of Mean Daily Gage Height** | Arithmetic means of 5 readings | | |
| **Period of Available Gage Records** | 2006 to date | | |
| **Rating Operation** | | | |
| **Period of Rating** | 2006 to date | | |
| **Rated by Flot** | - | | |
| **Rated by Current Meter** | 2006 to date | | |
| **Stability of Channel Regimes** | Fairly stable. | | |
| **Overbank Flow Conditions** | No overbank flow. | | |
| **General Description** | Records good. Stage-discharge relation defined by 28 discharge measurements made in 2006. | | |

### Gage Height in Meter (MSL.) Water Year April 1, 2006 to March 31, 2007

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.12 | 10.06 | 10.32 | 10.42 | 10.34 | 10.91 | 11.29 | 10.01 | 10.00 | 9.72 | 9.62 | 9.60 | |
| 2 | 10.12 | 10.07 | 10.29 | 10.39 | 10.46 | 10.40 | 10.95 | 10.06 | 9.98 | 9.72 | 9.60 | 9.58 | |
| 3 | 10.12 | 10.10 | 10.26 | 10.82 | 10.33 | 10.38 | 11.81 | 10.08 | 9.98 | 9.72 | 9.60 | 9.58 | |
| 4 | 10.12 | 10.12 | 10.29 | 10.77 | 10.33 | 10.28 | 11.41 | 10.09 | 9.98 | 9.72 | 9.58 | 9.58 | |
| 5 | 10.14 | 10.11 | 10.29 | 10.53 | 10.20 | 10.28 | 11.55 | 10.06 | 9.98 | 9.72 | 9.58 | 9.56 | |
| 6 | 10.17 | 10.15 | 10.25 | 10.52 | 10.13 | 10.20 | 11.31 | 10.02 | 9.98 | 9.72 | 9.58 | 9.56 | |
| 7 | 10.15 | 10.31 | 10.25 | 10.59 | 10.14 | 10.18 | 11.16 | 10.02 | 9.97 | 9.72 | 9.58 | 9.54 | |
| 8 | 10.13 | 10.21 | 10.47 | 10.50 | 10.19 | 10.17 | 10.97 | 10.02 | 9.95 | 9.71 | 9.58 | 9.54 | |
| 9 | 10.21 | 10.24 | 10.35 | 10.66 | 10.16 | 10.19 | 10.84 | 10.00 | 9.93 | 9.71 | 9.58 | 9.52 | |
| 10 | 10.18 | 10.22 | 10.49 | 11.07 | 10.20 | 10.14 | 10.61 | 10.00 | 9.92 | 9.71 | 9.58 | 9.56 | |
| 11 | 10.18 | 10.22 | 10.34 | 12.62 | 10.15 | 10.00 | 10.96 | 10.00 | 9.90 | 9.71 | 9.68 | 9.56 | |
| 12 | 10.20 | 10.39 | 10.32 | 12.00 | 10.31 | 10.14 | 10.81 | 10.00 | 9.89 | 9.71 | 9.68 | 9.54 | |
| 13 | 10.20 | 10.30 | 10.30 | 11.71 | 10.34 | 10.40 | 10.66 | 10.00 | 9.88 | 9.71 | 9.60 | 9.54 | |
| 14 | 10.20 | 10.25 | 10.39 | 11.87 | 11.11 | 11.54 | 10.56 | 9.89 | 9.87 | 9.71 | 9.60 | 9.54 | |
| 15 | 10.18 | 10.22 | 10.41 | 11.97 | 12.56 | 10.77 | 10.43 | 9.90 | 9.87 | 9.72 | 9.58 | 9.54 | |
| 16 | 10.27 | 10.20 | 10.39 | 11.34 | 12.02 | 10.65 | 10.35 | 9.91 | 9.85 | 9.72 | 9.56 | 9.52 | |
| 17 | 10.20 | 10.32 | 10.39 | 11.02 | 11.41 | 10.46 | 10.23 | 9.90 | 9.84 | 9.74 | 9.60 | 9.52 | |
| 18 | 10.19 | 11.64 | 10.39 | 10.87 | 11.11 | 10.35 | 10.15 | 10.00 | 9.82 | 9.74 | 9.66 | 9.50 | |
| 19 | 10.18 | 11.15 | 10.56 | 10.80 | 10.91 | 10.26 | 10.14 | 10.00 | 9.81 | 9.72 | 9.62 | 9.50 | |
| 20 | 10.16 | 11.42 | 11.42 | 10.59 | 10.77 | 10.19 | 10.11 | 10.00 | 9.79 | 9.70 | 9.60 | 9.52 | |
| 21 | 10.14 | 11.15 | 10.89 | 10.50 | 10.55 | 10.18 | 10.11 | 10.00 | 9.77 | 9.67 | 9.58 | 9.54 | |
| 22 | 10.14 | 10.87 | 10.76 | 10.40 | 10.43 | 10.14 | 10.04 | 10.02 | 9.75 | 9.67 | 9.58 | 9.60 | |
| 23 | 10.12 | 11.05 | 10.59 | 10.32 | 10.33 | 10.12 | 10.13 | 10.00 | 9.74 | 9.67 | 9.58 | 9.87 | |
| 24 | 10.12 | 10.83 | 10.52 | 10.38 | 10.26 | 10.16 | 10.14 | 9.90 | 9.73 | 9.66 | 9.66 | 9.79 | |
| 25 | 10.12 | 10.66 | 10.58 | 10.32 | 10.22 | 10.32 | 10.12 | 10.02 | 9.72 | 9.66 | 9.66 | 9.82 | |
| 26 | 10.10 | 10.73 | 12.18 | 10.23 | 10.44 | 10.58 | 10.17 | 10.00 | 9.72 | 9.66 | 9.64 | 9.76 | |
| 27 | 10.10 | 10.56 | 11.13 | 10.23 | 10.40 | 11.40 | 10.32 | 9.89 | 9.72 | 9.65 | 9.62 | 9.66 | |
| 28 | 10.10 | 10.44 | 10.80 | 10.22 | 10.32 | 10.62 | 10.58 | 9.86 | 9.72 | 9.64 | 9.60 | 9.58 | |
| 29 | 10.08 | 10.39 | 10.52 | 10.22 | 10.26 | 10.61 | 10.54 | 9.80 | 9.72 | 9.64 | | 9.59 | |
| 30 | 10.07 | 10.39 | 10.48 | 10.60 | 10.41 | 12.10 | 10.33 | 10.00 | 9.71 | 9.64 | | 9.79 | |
| 31 | | 10.35 | | 10.39 | 10.57 | | 10.28 | | 9.70 | 9.62 | | 9.68 | |
| Mean | 10.15 | 10.49 | 10.55 | 10.80 | 10.56 | 10.47 | 10.61 | 9.98 | 9.84 | 9.69 | 9.61 | 9.60 | |
| Max | 10.27 | 11.64 | 12.18 | 12.62 | 12.56 | 12.10 | 11.81 | 10.09 | 10.00 | 9.74 | 9.68 | 9.87 | 12.62 |
| Min | 10.07 | 10.06 | 10.25 | 10.22 | 10.13 | 10.00 | 10.04 | 9.80 | 9.70 | 9.62 | 9.56 | 9.50 | 9.50 |

| | | | | | |
|---|---|---|---|---|---|
| Annual Max Momentary Gage Height | 12.90 | m. (MSL.) , | at 18.00 Hours , on Jul 11 , 2006 | | |
| Zero Gage at Bottom Elevation | 0.00 | m. (MSL.) , | River Bed | 8.99 | m. (MSL) |
| Left Bank Elevation | 18.42 | m. (MSL.) , | | | |
| Right Bank Elevation | 18.40 | m. (MSL.) , | Drainage Are | 242 | Square Kilometers |




**Discharge in Cubic Meter per Second , Water Year April 1, 2006 to March 31, 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16.40 | 14.45 | 23.20 | 26.90 | 23.90 | 51.05 | 73.85 | 12.83 | 12.50 | 5.40 | 3.40 | 3.00 | | |
| 2 | 16.40 | 14.78 | 22.15 | 25.65 | 28.70 | 26.00 | 53.25 | 14.45 | 11.95 | 5.40 | 3.00 | 2.70 | | |
| 3 | 16.40 | 15.75 | 21.10 | 46.10 | 23.55 | 25.30 | 110.78 | 15.10 | 11.95 | 5.40 | 3.00 | 2.70 | | |
| 4 | 16.40 | 16.40 | 22.15 | 43.50 | 23.55 | 21.80 | 81.70 | 15.43 | 11.95 | 5.40 | 2.70 | 2.70 | | |
| 5 | 17.05 | 16.08 | 22.15 | 31.85 | 19.00 | 21.80 | 91.50 | 14.45 | 11.95 | 5.40 | 2.70 | 2.40 | | |
| 6 | 18.03 | 17.38 | 20.75 | 31.40 | 16.73 | 19.00 | 75.15 | 13.15 | 11.95 | 5.40 | 2.70 | 2.40 | | |
| 7 | 17.38 | 22.85 | 20.75 | 34.55 | 17.05 | 18.35 | 65.60 | 13.15 | 11.68 | 5.40 | 2.70 | 2.10 | | |
| 8 | 16.73 | 19.35 | 29.15 | 30.50 | 18.68 | 18.03 | 54.35 | 13.15 | 11.13 | 5.20 | 2.70 | 2.10 | | |
| 9 | 19.35 | 20.40 | 24.25 | 38.00 | 17.70 | 18.68 | 47.20 | 12.50 | 10.58 | 5.20 | 2.70 | 1.80 | | |
| 10 | 18.35 | 19.70 | 30.05 | 60.20 | 19.00 | 17.05 | 35.50 | 12.50 | 10.30 | 5.20 | 2.70 | 2.40 | | |
| 11 | 18.35 | 19.70 | 23.90 | 180.20 | 17.38 | 12.50 | 53.80 | 12.50 | 9.75 | 5.20 | 4.60 | 2.40 | | |
| 12 | 19.00 | 25.65 | 23.20 | 125.50 | 22.85 | 17.05 | 45.55 | 12.50 | 9.48 | 5.20 | 4.60 | 2.10 | | |
| 13 | 19.00 | 22.50 | 22.50 | 103.25 | 23.90 | 26.00 | 38.00 | 12.50 | 9.20 | 5.20 | 3.00 | 2.10 | | |
| 14 | 19.00 | 20.75 | 25.65 | 115.43 | 62.60 | 90.80 | 33.20 | 9.48 | 8.93 | 5.20 | 3.00 | 2.10 | | |
| 15 | 18.35 | 19.70 | 26.45 | 123.18 | 174.10 | 43.50 | 27.35 | 9.75 | 8.93 | 5.40 | 2.70 | 2.10 | | |
| 16 | 21.45 | 19.00 | 25.65 | 77.10 | 127.10 | 37.50 | 24.25 | 10.03 | 8.38 | 5.40 | 2.40 | 1.80 | | |
| 17 | 19.00 | 23.20 | 25.65 | 57.20 | 81.70 | 28.70 | 20.05 | 9.75 | 8.10 | 5.80 | 3.00 | 1.80 | | |
| 18 | 18.68 | 98.00 | 25.65 | 48.85 | 62.60 | 24.25 | 17.38 | 12.50 | 7.55 | 5.80 | 4.20 | 1.50 | | |
| 19 | 18.35 | 65.00 | 33.20 | 45.00 | 51.05 | 21.10 | 17.05 | 12.50 | 7.28 | 5.40 | 3.40 | 1.50 | | |
| 20 | 17.70 | 82.40 | 82.40 | 34.55 | 43.50 | 18.68 | 16.08 | 12.50 | 6.80 | 5.00 | 3.00 | 1.80 | | |
| 21 | 17.05 | 65.00 | 49.95 | 30.50 | 32.75 | 18.35 | 16.08 | 12.50 | 6.40 | 4.40 | 2.70 | 2.10 | | |
| 22 | 17.05 | 48.85 | 43.00 | 26.00 | 27.35 | 17.05 | 13.80 | 13.15 | 6.00 | 4.40 | 2.70 | 3.00 | | |
| 23 | 16.40 | 59.00 | 34.55 | 23.20 | 23.55 | 16.40 | 16.73 | 12.50 | 5.80 | 4.40 | 2.70 | 8.93 | | |
| 24 | 16.40 | 46.65 | 31.40 | 25.30 | 21.10 | 17.70 | 17.05 | 9.75 | 5.60 | 4.20 | 4.20 | 6.80 | | |
| 25 | 16.40 | 38.00 | 34.10 | 23.20 | 19.70 | 23.20 | 16.40 | 13.15 | 5.40 | 4.20 | 4.20 | 7.55 | | |
| 26 | 15.75 | 41.50 | 139.90 | 20.05 | 27.80 | 34.10 | 18.03 | 12.50 | 5.40 | 4.20 | 3.80 | 6.20 | | |
| 27 | 15.75 | 33.20 | 63.80 | 20.05 | 26.00 | 81.00 | 23.20 | 9.48 | 5.40 | 4.00 | 3.40 | 4.20 | | |
| 28 | 15.75 | 27.80 | 45.00 | 19.70 | 23.20 | 36.00 | 34.10 | 8.65 | 5.40 | 3.80 | 3.00 | 2.70 | | |
| 29 | 15.10 | 25.65 | 31.40 | 19.70 | 21.10 | 35.50 | 32.30 | 7.00 | 5.40 | 3.80 | | 2.85 | | |
| 30 | 14.78 | 25.65 | 29.60 | 35.00 | 26.45 | 133.50 | 23.55 | 12.50 | 5.20 | 3.80 | | 6.80 | | |
| 31 | | 24.25 | | 25.65 | 33.65 | | 21.80 | | 5.00 | 3.40 | | 4.60 | | |
| Total | 521.80 | 1008.59 | 1052.65 | 1547.26 | 1157.29 | 969.94 | 1214.63 | 361.90 | 261.34 | 151.60 | 88.90 | 99.23 | 8435.13 | CMSDAY |
| Mean | 17.39 | 32.54 | 35.09 | 49.91 | 37.33 | 32.33 | 39.18 | 12.06 | 8.43 | 4.89 | 3.18 | 3.20 | 23.11 | CMS |
| Max | 21.45 | 98.00 | 139.90 | 180.20 | 174.10 | 133.50 | 110.78 | 15.43 | 12.50 | 5.80 | 4.60 | 8.93 | 180.20 | CMS |
| Min | 14.78 | 14.45 | 20.75 | 19.70 | 16.73 | 12.50 | 13.80 | 7.00 | 5.00 | 3.40 | 2.40 | 1.50 | 1.50 | CMS |
| Runoff | 45.08 | 87.14 | 90.95 | 133.68 | 99.99 | 83.80 | 104.94 | 31.27 | 22.58 | 13.10 | 7.68 | 8.57 | 728.80 | MCM |

Momentary Peak 213.00 CMS. at 12.90 m. (MSL.) at 18.00 Hours , on Jul 11 , 2006

Runoff Yield 95.36 Liters/Second/Square KM. Momentary Peak Yield 878.89 Liters/Second/Square KM.

# Suspended Sediment Station

# Water Year 2006

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Mong at Ban Na Ang , Udon Thani (Kh.18)

Lat 17 - 34 - 41 N Long 102 - 20 - 22 E

**Location : on right bank between Phu Pha Dang and Phu Phan about 2 kilometers from Ban Na Ang.**

**Ban** Na Ang **Amphoe** Ban Phu **Changwat** Udon Thani

| | |
|---|---|
| **Drainge Area** | 1,309 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1999-Cont'd |
| **Actual Measurement** | 1999-Cont'd |
| **Using Rating Curve Water Year** | 1999-2006 |
| **Number of observation** | 120 |
| **R-Square** | 0.8681 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.5375\ QW^{1.14360}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 241.43 | 227.44 | 117.70 | 395.63 | 1324.01 | 268.47 | 30.61 | 12.09 | 17.98 | 15.00 | 13.78 | | |
| 2 | 0.00 | 415.17 | 359.69 | 125.26 | 759.68 | 1705.66 | 262.60 | 33.14 | 11.82 | 20.64 | 15.00 | 12.94 | | |
| 3 | 0.00 | 395.63 | 338.81 | 167.37 | 900.43 | 989.78 | 282.74 | 32.74 | 11.26 | 21.62 | 15.00 | 11.26 | | |
| 4 | 0.00 | 160.39 | 233.21 | 105.24 | 592.45 | 603.85 | 413.00 | 31.00 | 10.71 | 21.99 | 15.00 | 9.61 | | |
| 5 | 0.00 | 76.63 | 125.26 | 64.26 | 192.96 | 331.39 | 917.25 | 30.30 | 9.89 | 21.99 | 15.36 | 9.34 | | |
| 6 | 0.00 | 45.85 | 62.28 | 31.71 | 68.76 | 152.59 | 1586.56 | 28.89 | 9.61 | 21.99 | 15.36 | 8.80 | | |
| 7 | 0.00 | 35.53 | 34.57 | 23.35 | 36.09 | 98.12 | 1410.01 | 25.03 | 9.61 | 21.99 | 15.65 | 6.69 | | |
| 8 | 0.00 | 76.02 | 25.03 | 17.32 | 31.32 | 83.99 | 1181.42 | 24.04 | 9.89 | 21.99 | 15.65 | 5.41 | | |
| 9 | 0.00 | 60.40 | 20.94 | 14.35 | 52.77 | 83.28 | 1773.44 | 23.66 | 9.34 | 21.32 | 15.36 | 3.92 | | |
| 10 | 0.00 | 61.68 | 14.71 | 12.65 | 76.02 | 89.35 | 3822.97 | 21.99 | 8.80 | 20.94 | 15.36 | 2.28 | | |
| 11 | 0.00 | 77.34 | 12.94 | 12.09 | 61.00 | 237.87 | 3822.97 | 21.32 | 8.00 | 19.97 | 15.00 | 0.93 | | |
| 12 | 0.00 | 54.03 | 14.35 | 12.09 | 55.89 | 370.19 | 2087.74 | 19.60 | 7.74 | 19.60 | 14.71 | 0.49 | | |
| 13 | 0.00 | 29.20 | 14.07 | 12.37 | 68.15 | 359.69 | 1062.98 | 18.27 | 7.74 | 19.60 | 14.71 | 0.49 | | |
| 14 | 0.00 | 24.04 | 13.50 | 16.66 | 98.12 | 235.54 | 796.80 | 17.98 | 8.54 | 19.30 | 14.71 | 0.35 | | |
| 15 | 0.00 | 22.67 | 11.26 | 13.78 | 140.55 | 140.55 | 606.70 | 17.32 | 9.34 | 17.32 | 15.36 | 0.35 | | |
| 16 | 0.00 | 16.95 | 9.89 | 9.89 | 112.69 | 99.48 | 463.43 | 16.30 | 10.43 | 17.32 | 15.36 | 0.00 | | |
| 17 | 0.00 | 14.07 | 9.07 | 7.74 | 107.71 | 100.30 | 373.20 | 15.65 | 11.26 | 16.95 | 15.65 | 0.00 | | |
| 18 | 0.00 | 9.61 | 9.07 | 9.61 | 94.04 | 131.18 | 268.47 | 15.65 | 11.82 | 16.30 | 15.65 | 0.00 | | |
| 19 | 0.00 | 8.27 | 12.09 | 7.74 | 200.89 | 239.09 | 121.89 | 16.66 | 12.37 | 15.36 | 16.01 | 0.00 | | |
| 20 | 0.00 | 10.43 | 74.70 | 18.64 | 490.02 | 328.42 | 89.35 | 16.30 | 12.65 | 15.36 | 16.01 | 0.00 | | |
| 21 | 0.00 | 13.50 | 163.87 | 47.09 | 738.57 | 309.25 | 74.70 | 16.30 | 14.07 | 14.71 | 15.65 | 0.00 | | |
| 22 | 0.00 | 24.34 | 88.01 | 121.89 | 796.80 | 300.77 | 64.86 | 15.36 | 16.66 | 16.66 | 15.00 | 0.00 | | |
| 23 | 0.00 | 55.30 | 43.38 | 126.10 | 645.11 | 465.64 | 57.84 | 14.35 | 17.98 | 16.30 | 14.71 | 0.00 | | |
| 24 | 0.00 | 214.67 | 30.30 | 78.66 | 485.57 | 625.01 | 52.77 | 14.07 | 18.27 | 16.01 | 14.35 | 0.00 | | |
| 25 | 0.00 | 423.90 | 28.89 | 42.81 | 426.08 | 641.09 | 50.84 | 13.50 | 18.27 | 15.65 | 14.07 | 0.00 | | |
| 26 | 0.00 | 269.71 | 65.55 | 47.76 | 629.03 | 536.99 | 44.62 | 12.94 | 18.27 | 15.36 | 13.78 | 0.00 | | |
| 27 | 0.00 | 99.48 | 169.12 | 94.76 | 786.17 | 474.48 | 45.85 | 12.94 | 17.98 | 15.36 | 13.78 | 0.00 | | |
| 28 | 0.00 | 48.34 | 319.56 | 57.84 | 813.37 | 407.02 | 41.58 | 13.22 | 17.32 | 15.36 | 14.07 | 0.00 | | |
| 29 | 2.28 | 59.72 | 385.91 | 33.14 | 819.29 | 362.69 | 37.93 | 12.94 | 17.32 | 15.00 | | 0.00 | | |
| 30 | 50.84 | 85.95 | 202.08 | 24.04 | 722.79 | 313.66 | 35.53 | 12.65 | 16.95 | 15.00 | | 0.00 | | |
| 31 | | 86.67 | | 77.96 | 764.97 | | 31.71 | | 16.95 | 15.00 | | 0.00 | | |
| Total | 53.12 | 3216.92 | 3119.55 | 1551.87 | 12162.92 | 12140.93 | 22150.22 | 594.72 | 392.95 | 559.94 | 421.32 | 86.64 | 56451.10 | Tonday |
| Mean | 1.77 | 103.77 | 103.98 | 50.06 | 392.35 | 404.70 | 714.52 | 19.82 | 12.68 | 18.06 | 15.05 | 2.79 | | Ton/day |
| Max | 50.84 | 423.90 | 385.91 | 167.37 | 900.43 | 1705.66 | 3822.97 | 33.14 | 18.27 | 21.99 | 16.01 | 13.78 | 3822.97 | Ton/day |
| Min | 0.00 | 8.27 | 9.07 | 7.74 | 31.32 | 83.28 | 31.71 | 12.65 | 7.74 | 14.71 | 13.78 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Loei River at Ban Na Lak , Loei (Kh.28A)

Lat 17 - 18 - 32 N Long 101 - 46 - 25 E

**Location : on right bank at the bridge of Wang Saphung - Loei Highway.**

**Ban** Na Lak **Amphoe** Wang Saphung **Changwat** Loei

| | |
|---|---|
| **Drainge Area** | 1,271 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 147 |
| **R-Square** | 0.8394 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.0390\ QW^{1.37000}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22.70 | 794.57 | 144.76 | 339.27 | 2131.12 | 2259.38 | 1921.93 | 162.13 | 48.22 | 33.66 | 18.66 | 15.77 | | |
| 2 | 22.70 | 148.19 | 165.66 | 202.12 | 636.74 | 871.36 | 1042.11 | 155.12 | 48.22 | 33.66 | 20.65 | 14.84 | | |
| 3 | 23.74 | 77.47 | 180.01 | 180.01 | 385.26 | 539.41 | 3622.00 | 155.12 | 48.22 | 32.52 | 23.74 | 14.84 | | |
| 4 | 23.74 | 56.01 | 148.19 | 121.37 | 326.43 | 446.62 | 15988.85 | 151.64 | 48.22 | 32.52 | 23.74 | 13.92 | | |
| 5 | 23.74 | 45.70 | 97.61 | 95.31 | 240.45 | 432.78 | 15479.40 | 148.19 | 46.96 | 32.52 | 23.74 | 13.02 | | |
| 6 | 23.74 | 38.36 | 93.03 | 108.52 | 172.79 | 391.95 | 9599.82 | 141.35 | 46.96 | 31.38 | 23.74 | 13.02 | | |
| 7 | 17.68 | 38.36 | 97.61 | 385.26 | 144.76 | 568.89 | 7354.24 | 134.60 | 45.70 | 31.38 | 22.70 | 13.02 | | |
| 8 | 17.68 | 45.70 | 75.32 | 439.69 | 124.65 | 365.36 | 4958.74 | 124.65 | 44.45 | 30.25 | 22.70 | 12.14 | | |
| 9 | 17.68 | 127.94 | 64.78 | 425.90 | 294.91 | 326.43 | 5823.60 | 118.13 | 43.22 | 30.25 | 22.70 | 12.14 | | |
| 10 | 17.68 | 81.84 | 53.38 | 690.90 | 675.30 | 474.67 | 6566.10 | 105.37 | 41.99 | 29.14 | 22.70 | 12.14 | | |
| 11 | 19.65 | 71.05 | 53.38 | 517.58 | 252.29 | 3640.36 | 9193.52 | 97.61 | 40.77 | 29.14 | 21.67 | 11.27 | | |
| 12 | 19.65 | 64.78 | 57.33 | 398.68 | 180.01 | 3844.06 | 10312.64 | 95.31 | 40.77 | 28.04 | 22.70 | 11.27 | | |
| 13 | 20.65 | 64.78 | 50.78 | 690.90 | 155.12 | 2451.84 | 4498.53 | 90.76 | 39.56 | 28.04 | 24.80 | 11.27 | | |
| 14 | 22.70 | 60.69 | 54.69 | 432.78 | 950.01 | 984.28 | 1894.49 | 88.51 | 38.36 | 28.04 | 26.94 | 10.42 | | |
| 15 | 22.70 | 49.50 | 54.69 | 345.74 | 2451.84 | 568.89 | 1160.39 | 84.05 | 38.36 | 28.04 | 28.04 | 10.42 | | |
| 16 | 23.74 | 43.22 | 45.70 | 391.95 | 871.36 | 546.74 | 827.25 | 79.65 | 38.36 | 28.04 | 26.94 | 9.59 | | |
| 17 | 24.80 | 38.36 | 43.22 | 190.98 | 746.24 | 1030.47 | 636.74 | 75.32 | 38.36 | 26.94 | 22.70 | 9.59 | | |
| 18 | 39.56 | 33.66 | 40.77 | 460.59 | 950.01 | 1483.22 | 517.58 | 71.05 | 37.17 | 26.94 | 20.65 | 9.59 | | |
| 19 | 40.77 | 33.66 | 38.36 | 1172.40 | 690.90 | 1160.39 | 432.78 | 66.85 | 37.17 | 26.94 | 19.65 | 13.02 | | |
| 20 | 39.56 | 33.66 | 43.22 | 1894.49 | 1573.69 | 1344.04 | 378.59 | 64.78 | 37.17 | 25.86 | 19.65 | 21.67 | | |
| 21 | 39.56 | 37.17 | 62.73 | 621.48 | 1184.45 | 1935.69 | 352.25 | 60.69 | 37.17 | 24.80 | 18.66 | 21.67 | | |
| 22 | 38.36 | 66.85 | 62.73 | 938.67 | 1245.18 | 1100.82 | 339.27 | 58.67 | 37.17 | 23.74 | 17.68 | 20.65 | | |
| 23 | 38.36 | 950.01 | 75.32 | 1573.69 | 1172.40 | 1732.08 | 326.43 | 56.01 | 35.99 | 23.74 | 16.72 | 19.65 | | |
| 24 | 35.99 | 3806.80 | 95.31 | 365.36 | 1089.01 | 762.26 | 282.55 | 54.69 | 35.99 | 22.70 | 16.72 | 17.68 | | |
| 25 | 35.99 | 1908.19 | 131.26 | 234.58 | 754.24 | 539.41 | 228.76 | 53.38 | 35.99 | 21.67 | 16.72 | 16.72 | | |
| 26 | 37.17 | 446.62 | 332.83 | 1894.49 | 1612.90 | 1112.66 | 211.53 | 50.78 | 35.99 | 21.67 | 16.72 | 15.77 | | |
| 27 | 90.76 | 453.59 | 412.23 | 3530.53 | 2230.70 | 3100.50 | 198.38 | 48.22 | 35.99 | 20.65 | 15.77 | 13.92 | | |
| 28 | 169.22 | 425.90 | 644.40 | 794.57 | 2402.41 | 3047.82 | 190.98 | 48.22 | 35.99 | 20.65 | 15.77 | 13.02 | | |
| 29 | 176.39 | 148.19 | 240.45 | 539.41 | 1220.79 | 8044.21 | 180.01 | 48.22 | 34.82 | 19.65 | | 12.14 | | |
| 30 | 1639.19 | 190.98 | 217.23 | 378.59 | 1867.15 | 4848.08 | 172.79 | 48.22 | 34.82 | 19.65 | | 11.27 | | |
| 31 | | 172.79 | | 1018.87 | 3100.50 | | 165.66 | | 34.82 | 18.66 | | 10.42 | | |
| Total | 2785.85 | 10554.59 | 3876.98 | 21374.68 | 31833.61 | 49954.67 | 104857.91 | 2737.29 | 1242.95 | 830.88 | 593.57 | 425.87 | 231068.85 | Tonday |
| Mean | 92.86 | 340.47 | 129.23 | 689.51 | 1026.89 | 1665.16 | 3382.51 | 91.24 | 40.10 | 26.80 | 21.20 | 13.74 | | Ton/day |
| Max | 1639.19 | 3806.80 | 644.40 | 3530.53 | 3100.50 | 8044.21 | 15988.85 | 162.13 | 48.22 | 33.66 | 28.04 | 21.67 | 15988.85 | Ton/day |
| Min | 17.68 | 33.66 | 38.36 | 95.31 | 124.65 | 326.43 | 165.66 | 48.22 | 34.82 | 18.66 | 15.77 | 9.59 | 9.59 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Loei River at Ban Fak loei , Loei (Kh.58A)

Lat 17 - 29 - 36 N Long 101 - 44 - 17 E

**Location : on left bank at the bridge on road.**

**Ban** Fak Loei **Amphoe** Mueang **Changwat** Loei

| | |
|---|---|
| **Drainge Area** | 3,093 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 33 |
| **R-Square** | 0.7852 |
| **Remarks** | Continued Sediment Station |

$$QS = 30.1610\ QW^{1.02340}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22.47 | 2145.29 | 962.41 | 1365.03 | 3433.90 | 7532.23 | 6110.92 | 643.05 | 124.62 | 64.45 | 48.79 | 36.35 | | |
| 2 | 22.47 | 508.34 | 930.35 | 658.94 | 1705.40 | 4731.50 | 3738.60 | 595.42 | 124.62 | 73.88 | 48.79 | 39.45 | | |
| 3 | 22.47 | 416.35 | 786.40 | 442.59 | 1042.67 | 2523.73 | 4251.84 | 495.17 | 131.00 | 73.88 | 48.79 | 42.56 | | |
| 4 | 24.00 | 302.03 | 495.17 | 442.59 | 818.34 | 1835.50 | 11604.77 | 381.97 | 124.62 | 73.88 | 48.79 | 42.56 | | |
| 5 | 24.00 | 115.07 | 336.23 | 359.08 | 754.49 | 1445.91 | 21065.29 | 416.35 | 124.62 | 73.88 | 51.91 | 45.67 | | |
| 6 | 22.47 | 96.01 | 199.99 | 182.28 | 370.52 | 1365.03 | 22417.91 | 381.97 | 118.25 | 67.59 | 51.91 | 45.67 | | |
| 7 | 22.47 | 92.84 | 156.59 | 468.86 | 267.91 | 2063.66 | 18448.35 | 359.08 | 108.70 | 67.59 | 51.91 | 45.67 | | |
| 8 | 24.00 | 80.19 | 124.62 | 770.44 | 211.28 | 2112.63 | 14278.36 | 359.08 | 108.70 | 67.59 | 51.91 | 45.67 | | |
| 9 | 27.08 | 64.45 | 102.35 | 1235.85 | 233.89 | 1575.53 | 13135.55 | 336.23 | 105.53 | 67.59 | 51.91 | 48.79 | | |
| 10 | 28.62 | 105.53 | 83.35 | 1058.74 | 1526.89 | 1478.29 | 15702.77 | 313.42 | 102.35 | 64.45 | 48.79 | 48.79 | | |
| 11 | 27.08 | 256.56 | 77.04 | 1494.49 | 722.61 | 4949.90 | 17611.66 | 290.65 | 99.18 | 64.45 | 45.67 | 48.79 | | |
| 12 | 25.54 | 169.42 | 77.04 | 866.30 | 429.46 | 9093.35 | 23481.23 | 267.91 | 96.01 | 61.31 | 45.67 | 42.56 | | |
| 13 | 25.54 | 143.78 | 70.74 | 1058.74 | 267.91 | 7481.80 | 18705.74 | 245.22 | 89.67 | 64.45 | 45.67 | 36.35 | | |
| 14 | 24.00 | 115.07 | 58.17 | 930.35 | 627.17 | 3921.70 | 9853.74 | 336.23 | 86.51 | 64.45 | 45.67 | 39.45 | | |
| 15 | 24.00 | 92.84 | 51.91 | 754.49 | 3596.33 | 2322.40 | 5190.40 | 336.23 | 83.35 | 61.31 | 45.67 | 36.35 | | |
| 16 | 25.54 | 80.19 | 45.67 | 962.41 | 1819.22 | 1802.95 | 3576.02 | 324.82 | 80.19 | 61.31 | 45.67 | 33.25 | | |
| 17 | 27.08 | 77.04 | 48.79 | 521.51 | 1123.07 | 2282.18 | 2685.05 | 290.65 | 77.04 | 58.17 | 48.79 | 30.16 | | |
| 18 | 33.25 | 73.88 | 48.79 | 416.35 | 1219.72 | 3454.19 | 2145.29 | 199.99 | 77.04 | 58.17 | 48.79 | 28.62 | | |
| 19 | 77.04 | 83.35 | 61.31 | 1559.32 | 1090.89 | 3535.40 | 1786.69 | 188.71 | 77.04 | 58.17 | 48.79 | 25.54 | | |
| 20 | 89.67 | 67.59 | 80.19 | 3069.07 | 1819.22 | 3352.74 | 1510.69 | 169.42 | 77.04 | 58.17 | 45.67 | 25.54 | | |
| 21 | 86.51 | 64.45 | 175.85 | 1526.89 | 2644.70 | 3901.35 | 1171.37 | 211.28 | 70.74 | 58.17 | 42.56 | 28.62 | | |
| 22 | 80.19 | 359.08 | 175.85 | 1332.71 | 1770.42 | 3433.90 | 1235.85 | 188.71 | 67.59 | 58.17 | 33.25 | 30.16 | | |
| 23 | 77.04 | 1462.10 | 131.00 | 2181.71 | 1949.50 | 3474.49 | 994.50 | 182.28 | 73.88 | 55.04 | 28.62 | 39.45 | | |
| 24 | 77.04 | 3799.61 | 124.62 | 1203.60 | 1640.44 | 2463.29 | 818.34 | 182.28 | 77.04 | 55.04 | 27.08 | 45.67 | | |
| 25 | 105.53 | 6198.76 | 267.91 | 534.69 | 1672.91 | 1656.67 | 722.61 | 175.85 | 77.04 | 51.91 | 28.62 | 45.67 | | |
| 26 | 115.07 | 2382.76 | 738.54 | 850.31 | 2523.73 | 2221.89 | 643.05 | 169.42 | 73.88 | 48.79 | 33.25 | 45.67 | | |
| 27 | 313.42 | 102.35 | 1171.37 | 4003.14 | 4064.25 | 5146.65 | 579.57 | 156.59 | 64.45 | 51.91 | 27.08 | 36.35 | | |
| 28 | 150.19 | 70.74 | 1721.65 | 2181.71 | 5715.99 | 4709.67 | 547.88 | 156.59 | 64.45 | 51.91 | 33.25 | 33.25 | | |
| 29 | 818.34 | 102.35 | 962.41 | 1106.98 | 4578.75 | 9093.35 | 521.51 | 137.39 | 67.59 | 51.91 | | 30.16 | | |
| 30 | 994.50 | 882.30 | 595.42 | 706.68 | 3231.10 | 10897.93 | 643.05 | 131.00 | 64.45 | 51.91 | | 30.16 | | |
| 31 | | 786.40 | | 914.33 | 5343.58 | | 674.85 | | 64.45 | 48.79 | | 33.25 | | |
| Total | 3436.62 | 21296.72 | 10861.73 | 35160.18 | 58216.26 | 115859.81 | 225853.45 | 8622.96 | 2781.64 | 1888.29 | 1223.27 | 1186.20 | 486387.13 | Tonday |
| Mean | 114.55 | 686.99 | 362.06 | 1134.20 | 1877.94 | 3861.99 | 7285.60 | 287.43 | 89.73 | 60.91 | 43.69 | 38.26 | | Ton/day |
| Max | 994.50 | 6198.76 | 1721.65 | 4003.14 | 5715.99 | 10897.93 | 23481.23 | 643.05 | 131.00 | 73.88 | 51.91 | 48.79 | 23481.23 | Ton/day |
| Min | 22.47 | 64.45 | 45.67 | 182.28 | 211.28 | 1365.03 | 521.51 | 131.00 | 64.45 | 48.79 | 27.08 | 25.54 | 22.47 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Loei River at Ban Keng Bong , Loei (Kh.61)

Lat 17 - 07 - 44 N Long 101 - 40 - 56 E

**Location : on right bank at the bridge of Amphoe Wang Saphung - Ban Nong Khan Road.**

**Ban** Keng Bong **Amphoe** Phu Luang **Changwat** Loei

| | |
|---|---|
| **Drainge Area** | 549 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 138 |
| **R-Square** | 0.8037 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.4241\ QW^{1.56130}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 80.26 | 438.88 | 51.22 | 352.11 | 1169.78 | 1751.30 | 755.26 | 96.47 | 10.13 | 7.48 | 27.20 | 22.08 | | |
| 2 | 96.47 | 127.31 | 166.17 | 109.31 | 475.47 | 795.08 | 1295.21 | 54.59 | 10.13 | 7.48 | 27.20 | 22.08 | | |
| 3 | 96.47 | 96.47 | 131.96 | 141.44 | 360.48 | 484.78 | 11072.86 | 24.59 | 10.13 | 7.48 | 29.90 | 22.08 | | |
| 4 | 92.32 | 88.23 | 109.31 | 72.57 | 403.35 | 522.67 | 20810.74 | 24.59 | 10.13 | 7.48 | 29.90 | 24.59 | | |
| 5 | 92.32 | 92.32 | 35.57 | 65.16 | 156.11 | 503.60 | 5617.16 | 24.59 | 10.13 | 7.48 | 29.90 | 27.20 | | |
| 6 | 88.23 | 72.57 | 80.26 | 80.26 | 136.67 | 385.99 | 3440.90 | 24.59 | 10.13 | 7.48 | 27.20 | 27.20 | | |
| 7 | 88.23 | 58.04 | 65.16 | 231.12 | 113.72 | 551.76 | 4908.28 | 24.59 | 10.13 | 6.66 | 27.20 | 27.20 | | |
| 8 | 80.26 | 61.56 | 58.04 | 316.16 | 96.47 | 377.42 | 2225.69 | 22.08 | 10.13 | 6.66 | 27.20 | 27.20 | | |
| 9 | 68.83 | 72.57 | 51.22 | 343.82 | 113.72 | 1139.14 | 3399.40 | 22.08 | 10.13 | 6.66 | 27.20 | 27.20 | | |
| 10 | 58.04 | 61.56 | 51.22 | 1645.72 | 403.35 | 1724.69 | 3482.58 | 22.08 | 10.13 | 6.66 | 27.20 | 27.20 | | |
| 11 | 54.59 | 58.04 | 58.04 | 242.67 | 171.28 | 3399.40 | 3964.71 | 22.08 | 9.22 | 6.66 | 24.59 | 29.90 | | |
| 12 | 51.22 | 38.53 | 58.04 | 208.62 | 127.31 | 1542.51 | 2523.37 | 22.08 | 9.22 | 7.48 | 22.08 | 32.69 | | |
| 13 | 51.22 | 19.67 | 51.22 | 297.14 | 272.44 | 561.58 | 1093.74 | 22.08 | 9.22 | 8.33 | 17.36 | 32.69 | | |
| 14 | 51.22 | 10.13 | 51.22 | 231.12 | 2462.77 | 447.93 | 705.46 | 19.67 | 9.22 | 8.33 | 17.36 | 35.57 | | |
| 15 | 51.22 | 4.42 | 38.53 | 161.11 | 904.82 | 377.42 | 484.78 | 19.67 | 8.33 | 9.22 | 17.36 | 38.53 | | |
| 16 | 100.68 | 1.06 | 19.67 | 203.12 | 322.59 | 532.31 | 394.64 | 19.67 | 8.33 | 9.22 | 19.67 | 38.53 | | |
| 17 | 113.72 | 0.36 | 15.15 | 208.62 | 260.39 | 1200.71 | 284.69 | 19.67 | 6.66 | 9.22 | 24.59 | 38.53 | | |
| 18 | 109.31 | 0.12 | 13.06 | 1154.42 | 360.48 | 1034.24 | 248.53 | 19.67 | 9.22 | 8.33 | 24.59 | 41.58 | | |
| 19 | 122.72 | 0.12 | 13.06 | 2834.26 | 360.48 | 975.95 | 225.42 | 19.67 | 9.22 | 8.33 | 24.59 | 41.58 | | |
| 20 | 141.44 | 0.00 | 15.15 | 1004.95 | 2994.52 | 1832.03 | 156.11 | 17.36 | 9.22 | 9.22 | 24.59 | 41.58 | | |
| 21 | 141.44 | 1.50 | 22.08 | 368.91 | 729.12 | 1941.69 | 38.53 | 17.36 | 9.22 | 9.22 | 24.59 | 41.58 | | |
| 22 | 122.72 | 54.59 | 24.59 | 329.07 | 1123.94 | 822.04 | 19.67 | 17.36 | 9.22 | 9.22 | 22.08 | 38.53 | | |
| 23 | 104.96 | 591.41 | 47.93 | 591.41 | 652.72 | 961.57 | 32.69 | 17.36 | 9.22 | 10.13 | 22.08 | 32.69 | | |
| 24 | 109.31 | 2343.15 | 41.58 | 156.11 | 716.18 | 322.59 | 10.13 | 15.15 | 8.33 | 10.13 | 22.08 | 24.59 | | |
| 25 | 136.67 | 621.80 | 146.27 | 214.17 | 494.16 | 542.00 | 1.06 | 13.06 | 8.33 | 10.13 | 22.08 | 24.59 | | |
| 26 | 156.11 | 156.11 | 420.98 | 5273.85 | 3399.40 | 2771.05 | 0.68 | 13.06 | 8.33 | 13.06 | 22.08 | 22.08 | | |
| 27 | 141.44 | 92.32 | 1139.14 | 2313.58 | 2343.15 | 2802.59 | 0.12 | 13.06 | 8.33 | 17.36 | 22.08 | 22.08 | | |
| 28 | 100.68 | 65.16 | 166.17 | 581.41 | 1886.57 | 2493.00 | 11.08 | 12.05 | 8.33 | 22.08 | 22.08 | 19.67 | | |
| 29 | 171.28 | 54.59 | 248.53 | 329.07 | 863.07 | 4157.31 | 109.31 | 11.08 | 8.33 | 24.59 | | 19.67 | | |
| 30 | 2553.88 | 47.93 | 1441.73 | 335.60 | 2196.67 | 2167.78 | 92.32 | 10.13 | 7.48 | 24.59 | | 19.67 | | |
| 31 | | 38.53 | | 3566.47 | 3482.58 | | 84.21 | | 7.48 | 22.08 | | 19.67 | | |
| Total | 5427.26 | 5369.05 | 4832.27 | 23963.35 | 29553.76 | 39122.13 | 67489.33 | 681.54 | 281.76 | 328.45 | 676.03 | 910.03 | 178634.96 | Tonday |
| Mean | 180.91 | 173.20 | 161.08 | 773.01 | 953.35 | 1304.07 | 2177.08 | 22.72 | 9.09 | 10.60 | 24.14 | 29.36 | | Ton/day |
| Max | 2553.88 | 2343.15 | 1441.73 | 5273.85 | 3482.58 | 4157.31 | 20810.74 | 96.47 | 10.13 | 24.59 | 29.90 | 41.58 | 20810.74 | Ton/day |
| Min | 51.22 | 0.00 | 13.06 | 65.16 | 96.47 | 322.59 | 0.12 | 10.13 | 6.66 | 6.66 | 17.36 | 19.67 | 0.00 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Lam Nam Phung at Ban Tong Khop , Sakon Nakhon (Kh.90)

Lat 17 - 04 - 05 N Long 104 - 15 - 32 E

**Location : on right bank at the bridge on highway.**

**Ban** Tong Khop **Amphoe** Khok Si Suphan **Changwat** Sakon Nakhon

| | |
|---|---|
| **Drainge Area** | 861 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.7270 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.7088\ QW^{1.24010}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.98 | 9.98 | 24.81 | 5.86 | 26.42 | 173.99 | 25.35 | 23.75 | 2.14 | 0.91 | 14.15 | 16.09 | | |
| 2 | 9.24 | 9.98 | 21.13 | 22.17 | 46.68 | 95.29 | 51.80 | 14.63 | 1.92 | 0.81 | 13.20 | 15.60 | | |
| 3 | 9.24 | 9.53 | 19.09 | 67.56 | 31.59 | 63.40 | 497.15 | 8.95 | 1.71 | 0.81 | 14.15 | 17.08 | | |
| 4 | 9.53 | 9.24 | 20.10 | 417.13 | 20.62 | 52.54 | 242.67 | 9.53 | 1.71 | 0.72 | 14.15 | 19.09 | | |
| 5 | 9.53 | 9.24 | 15.60 | 205.63 | 19.09 | 45.96 | 228.37 | 7.79 | 1.92 | 0.63 | 14.15 | 16.58 | | |
| 6 | 9.98 | 9.98 | 13.20 | 91.06 | 28.05 | 37.47 | 150.26 | 7.79 | 1.60 | 0.46 | 14.15 | 15.12 | | |
| 7 | 11.80 | 10.43 | 11.80 | 60.17 | 19.09 | 38.86 | 123.72 | 7.51 | 3.06 | 0.46 | 14.15 | 12.73 | | |
| 8 | 9.98 | 10.88 | 12.26 | 36.78 | 14.15 | 36.78 | 208.85 | 7.23 | 3.06 | 0.46 | 14.15 | 12.26 | | |
| 9 | 9.53 | 12.26 | 11.80 | 30.33 | 17.08 | 48.14 | 248.49 | 7.23 | 1.40 | 0.72 | 13.67 | 6.67 | | |
| 10 | 9.98 | 14.15 | 12.73 | 26.42 | 15.60 | 91.06 | 397.56 | 6.67 | 1.30 | 2.37 | 14.15 | 1.40 | | |
| 11 | 9.98 | 10.43 | 14.63 | 24.28 | 21.13 | 42.38 | 183.38 | 6.13 | 1.20 | 2.59 | 14.15 | 1.10 | | |
| 12 | 9.98 | 9.98 | 14.63 | 23.22 | 20.10 | 28.60 | 99.74 | 5.59 | 1.20 | 6.95 | 14.63 | 0.72 | | |
| 13 | 10.43 | 9.98 | 14.63 | 22.17 | 20.10 | 28.05 | 70.16 | 5.59 | 1.10 | 6.95 | 14.63 | 0.63 | | |
| 14 | 10.88 | 9.98 | 14.63 | 21.13 | 34.79 | 23.75 | 58.57 | 4.54 | 1.20 | 7.51 | 14.15 | 0.46 | | |
| 15 | 10.88 | 11.34 | 15.60 | 23.75 | 30.96 | 20.62 | 50.33 | 4.54 | 1.00 | 8.08 | 14.15 | 0.55 | | |
| 16 | 11.34 | 10.43 | 14.63 | 24.28 | 25.35 | 19.59 | 45.24 | 4.29 | 1.00 | 12.26 | 14.63 | 0.55 | | |
| 17 | 9.53 | 9.24 | 14.15 | 22.70 | 29.15 | 36.09 | 39.56 | 4.29 | 1.00 | 12.26 | 14.63 | 0.55 | | |
| 18 | 8.37 | 9.53 | 17.58 | 21.13 | 38.16 | 40.97 | 35.44 | 3.30 | 0.91 | 14.15 | 14.63 | 0.31 | | |
| 19 | 8.37 | 12.73 | 25.88 | 22.70 | 25.35 | 28.60 | 22.70 | 4.04 | 0.91 | 13.67 | 14.63 | 0.31 | | |
| 20 | 8.66 | 12.26 | 25.35 | 34.79 | 18.08 | 22.70 | 18.58 | 3.79 | 0.91 | 13.67 | 13.67 | 0.31 | | |
| 21 | 8.66 | 13.20 | 26.97 | 41.67 | 16.09 | 19.59 | 16.09 | 4.04 | 0.91 | 14.15 | 13.67 | 0.23 | | |
| 22 | 8.37 | 14.15 | 10.43 | 36.78 | 32.86 | 30.96 | 15.12 | 3.54 | 0.91 | 13.67 | 13.67 | 0.23 | | |
| 23 | 8.66 | 14.15 | 5.32 | 36.09 | 205.63 | 37.47 | 14.15 | 3.06 | 1.00 | 14.15 | 13.67 | 0.23 | | |
| 24 | 8.37 | 15.12 | 5.32 | 28.05 | 115.62 | 24.28 | 13.67 | 5.06 | 1.00 | 14.15 | 14.15 | 0.16 | | |
| 25 | 8.08 | 15.12 | 7.23 | 22.17 | 88.96 | 26.42 | 12.73 | 4.54 | 1.00 | 13.67 | 14.15 | 0.38 | | |
| 26 | 8.08 | 15.60 | 4.80 | 22.70 | 228.37 | 57.77 | 12.73 | 4.80 | 1.00 | 13.67 | 17.08 | 0.23 | | |
| 27 | 8.37 | 15.12 | 3.06 | 16.09 | 120.24 | 38.86 | 12.26 | 4.54 | 1.00 | 14.63 | 17.08 | 0.16 | | |
| 28 | 8.95 | 10.43 | 2.14 | 16.58 | 67.56 | 28.60 | 11.80 | 2.83 | 1.00 | 15.12 | 18.58 | 0.23 | | |
| 29 | 25.35 | 8.66 | 2.83 | 13.20 | 67.56 | 30.96 | 16.09 | 2.59 | 1.00 | 13.67 | | 0.31 | | |
| 30 | 18.58 | 10.43 | 2.59 | 9.24 | 231.65 | 26.42 | 28.60 | 2.37 | 0.91 | 14.63 | | 0.31 | | |
| 31 | | 22.17 | | 13.20 | 339.99 | | 28.05 | | 0.81 | 14.63 | | 0.23 | | |
| Total | 308.68 | 365.72 | 404.92 | 1459.03 | 2016.07 | 1296.17 | 2979.21 | 184.55 | 40.79 | 262.58 | 406.02 | 140.81 | 9864.55 | Tonday |
| Mean | 10.29 | 11.80 | 13.50 | 47.07 | 65.03 | 43.21 | 96.10 | 6.15 | 1.32 | 8.47 | 14.50 | 4.54 | | Ton/day |
| Max | 25.35 | 22.17 | 26.97 | 417.13 | 339.99 | 173.99 | 497.15 | 23.75 | 3.06 | 15.12 | 18.58 | 19.09 | 497.15 | Ton/day |
| Min | 8.08 | 8.66 | 2.14 | 5.86 | 14.15 | 19.59 | 11.80 | 2.37 | 0.81 | 0.46 | 13.20 | 0.16 | 0.16 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Chanot at Ban Don Sawan , Nakhon Phanom (Kh.91)

Lat 16 - 47 - 48 N Long 104 - 39 - 45 E

**Location : on left bank at the bridge on highway.**

**Ban** Don Sawan **Amphoe** That Phanom **Changwat** Nakhon Phanom

| | |
|---|---|
| **Drainge Area** | 172 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.9357 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.4341\ QW^{1.13390}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.67 | 1.22 | 30.96 | 3.69 | 29.07 | 41.32 | 5.97 | 5.20 | 1.93 | 0.88 | 0.40 | 0.56 | | |
| 2 | 1.93 | 0.96 | 14.60 | 5.66 | 62.82 | 21.23 | 19.31 | 5.66 | 1.75 | 0.88 | 0.40 | 1.05 | | |
| 3 | 1.84 | 0.71 | 7.66 | 15.99 | 50.06 | 14.37 | 58.58 | 5.20 | 1.48 | 0.80 | 0.56 | 1.93 | | |
| 4 | 1.66 | 1.39 | 5.04 | 94.72 | 29.07 | 10.95 | 95.29 | 4.13 | 1.48 | 0.96 | 0.48 | 2.86 | | |
| 5 | 1.22 | 1.84 | 3.69 | 101.24 | 18.59 | 9.18 | 147.72 | 3.54 | 1.48 | 1.57 | 0.40 | 1.66 | | |
| 6 | 1.05 | 1.39 | 2.96 | 35.10 | 12.76 | 8.53 | 96.45 | 3.39 | 1.39 | 1.57 | 0.40 | 1.22 | | |
| 7 | 1.13 | 0.80 | 2.39 | 18.83 | 8.96 | 8.74 | 70.09 | 2.96 | 1.48 | 1.05 | 0.40 | 0.80 | | |
| 8 | 1.13 | 0.96 | 2.02 | 21.23 | 7.45 | 10.06 | 103.20 | 2.86 | 1.22 | 0.80 | 0.40 | 0.56 | | |
| 9 | 2.39 | 3.25 | 1.57 | 16.46 | 6.81 | 10.95 | 158.41 | 2.67 | 1.22 | 0.71 | 0.40 | 0.48 | | |
| 10 | 2.11 | 2.11 | 1.13 | 10.95 | 7.66 | 11.85 | 99.35 | 2.58 | 1.22 | 0.71 | 0.40 | 0.33 | | |
| 11 | 1.57 | 2.02 | 0.88 | 7.23 | 19.07 | 8.74 | 48.86 | 2.48 | 1.13 | 0.96 | 0.48 | 0.33 | | |
| 12 | 1.22 | 1.48 | 0.88 | 5.50 | 41.32 | 6.60 | 30.01 | 2.30 | 1.05 | 1.57 | 0.56 | 0.25 | | |
| 13 | 1.05 | 1.48 | 0.63 | 4.28 | 61.86 | 4.43 | 24.71 | 2.20 | 1.22 | 1.57 | 0.63 | 0.33 | | |
| 14 | 0.96 | 1.48 | 0.63 | 4.13 | 56.13 | 3.69 | 20.75 | 2.67 | 1.39 | 1.13 | 0.80 | 0.48 | | |
| 15 | 0.88 | 1.30 | 0.71 | 12.53 | 30.96 | 3.39 | 18.59 | 2.86 | 1.39 | 1.13 | 0.71 | 0.40 | | |
| 16 | 0.56 | 0.71 | 1.39 | 12.31 | 73.51 | 2.77 | 16.23 | 2.58 | 1.05 | 0.88 | 0.56 | 0.25 | | |
| 17 | 0.33 | 0.56 | 1.39 | 8.96 | 71.07 | 2.58 | 13.90 | 2.20 | 0.96 | 0.71 | 0.33 | 0.22 | | |
| 18 | 0.33 | 0.48 | 3.54 | 6.39 | 33.56 | 3.69 | 12.31 | 2.11 | 0.88 | 0.88 | 0.25 | 1.93 | | |
| 19 | 0.33 | 0.33 | 6.18 | 10.51 | 27.50 | 3.69 | 11.18 | 1.84 | 0.88 | 0.88 | 0.22 | 2.39 | | |
| 20 | 0.33 | 0.33 | 4.13 | 15.29 | 22.57 | 3.98 | 9.84 | 1.66 | 1.05 | 0.71 | 0.25 | 1.39 | | |
| 21 | 0.33 | 0.33 | 4.13 | 14.83 | 17.88 | 4.74 | 8.53 | 1.84 | 0.96 | 0.63 | 0.29 | 0.80 | | |
| 22 | 0.33 | 0.40 | 2.77 | 18.12 | 18.12 | 5.81 | 7.66 | 3.39 | 0.96 | 0.48 | 0.48 | 0.48 | | |
| 23 | 0.63 | 0.48 | 2.77 | 18.35 | 22.87 | 5.81 | 7.23 | 3.84 | 1.48 | 0.80 | 0.48 | 0.48 | | |
| 24 | 1.13 | 1.05 | 4.43 | 13.68 | 21.72 | 5.66 | 6.39 | 3.98 | 1.13 | 1.22 | 0.48 | 1.39 | | |
| 25 | 0.71 | 1.22 | 5.35 | 10.95 | 26.26 | 14.37 | 5.66 | 3.10 | 1.22 | 1.05 | 0.40 | 1.66 | | |
| 26 | 0.63 | 1.05 | 4.13 | 12.76 | 19.55 | 24.71 | 5.35 | 2.39 | 1.22 | 0.56 | 0.29 | 0.96 | | |
| 27 | 0.88 | 1.39 | 2.77 | 12.99 | 14.14 | 18.83 | 5.20 | 2.11 | 1.13 | 0.40 | 0.40 | 0.56 | | |
| 28 | 0.63 | 5.20 | 2.48 | 13.68 | 13.45 | 12.76 | 4.43 | 2.39 | 0.96 | 0.40 | 0.40 | 0.48 | | |
| 29 | 1.30 | 3.98 | 2.02 | 13.90 | 24.71 | 8.96 | 4.59 | 2.48 | 0.88 | 0.40 | | 0.33 | | |
| 30 | 0.56 | 7.02 | 1.93 | 8.96 | 39.37 | 6.60 | 4.59 | 2.30 | 0.88 | 0.40 | | 0.29 | | |
| 31 | | 22.87 | | 9.62 | 67.17 | | 4.74 | | 0.88 | 0.40 | | 0.18 | | |
| Total | 31.82 | 69.79 | 125.16 | 558.84 | 956.04 | 298.99 | 1125.12 | 88.91 | 37.35 | 27.09 | 12.25 | 27.03 | 3358.39 | Tonday |
| Mean | 1.06 | 2.25 | 4.17 | 18.03 | 30.84 | 9.97 | 36.29 | 2.96 | 1.20 | 0.87 | 0.44 | 0.87 | | Ton/day |
| Max | 2.67 | 22.87 | 30.96 | 101.24 | 73.51 | 41.32 | 158.41 | 5.66 | 1.93 | 1.57 | 0.80 | 2.86 | 158.41 | Ton/day |
| Min | 0.33 | 0.33 | 0.63 | 3.69 | 6.81 | 2.58 | 4.43 | 1.66 | 0.88 | 0.40 | 0.22 | 0.18 | 0.18 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Bang Sai at Ban Kan Luang Dong , Muk Dahan (Kh.92)

Lat 16 - 44 - 06 N Long 104 - 31 - 23 E

**Location : on left bank at the bridge on highway.**

**Ban** Kan Luang Dong **Amphoe** Dong Luang **Changwat** Muk Dahan

| | |
|---|---|
| **Drainge Area** | 1,119 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.9244 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.7722\ QW^{1.42840}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.00 | 19.19 | 261.55 | 17.66 | 1001.92 | 493.92 | 24.01 | 40.24 | 24.01 | 19.19 | 15.19 | 19.19 | | |
| 2 | 14.00 | 16.41 | 48.20 | 24.01 | 1780.94 | 138.54 | 453.34 | 40.24 | 24.01 | 19.19 | 15.19 | 14.00 | | |
| 3 | 14.00 | 14.00 | 32.72 | 266.09 | 556.70 | 92.17 | 2890.14 | 38.31 | 24.01 | 19.19 | 15.19 | 16.41 | | |
| 4 | 14.00 | 14.00 | 24.01 | 1521.34 | 165.47 | 69.89 | 1602.61 | 34.55 | 24.01 | 19.19 | 15.19 | 12.84 | | |
| 5 | 14.00 | 15.19 | 24.01 | 453.34 | 151.83 | 95.08 | 1156.00 | 34.55 | 24.01 | 19.19 | 15.19 | 12.84 | | |
| 6 | 15.19 | 32.72 | 20.76 | 110.04 | 175.93 | 141.83 | 1732.83 | 34.55 | 24.01 | 19.19 | 15.19 | 12.84 | | |
| 7 | 29.14 | 34.55 | 20.76 | 78.03 | 155.20 | 175.93 | 2254.80 | 34.55 | 24.01 | 19.19 | 15.19 | 12.84 | | |
| 8 | 15.19 | 24.01 | 17.66 | 89.29 | 110.04 | 72.57 | 3366.56 | 34.55 | 24.01 | 19.19 | 15.19 | 12.84 | | |
| 9 | 14.00 | 24.01 | 16.41 | 64.62 | 75.29 | 89.29 | 3582.97 | 34.55 | 24.01 | 19.19 | 15.19 | 11.71 | | |
| 10 | 12.84 | 16.41 | 16.41 | 52.35 | 44.17 | 148.47 | 2453.91 | 32.72 | 22.37 | 19.19 | 14.00 | 11.71 | | |
| 11 | 12.84 | 16.41 | 16.41 | 42.19 | 95.08 | 62.03 | 976.62 | 32.72 | 24.01 | 17.66 | 14.00 | 11.71 | | |
| 12 | 11.71 | 15.19 | 15.19 | 32.72 | 75.29 | 48.20 | 521.55 | 32.72 | 22.37 | 17.66 | 12.84 | 10.61 | | |
| 13 | 10.61 | 15.19 | 15.19 | 29.14 | 67.24 | 40.24 | 366.61 | 32.72 | 22.37 | 16.41 | 11.71 | 10.61 | | |
| 14 | 10.61 | 15.19 | 15.19 | 30.91 | 217.47 | 32.72 | 327.19 | 30.91 | 22.37 | 16.41 | 10.61 | 9.54 | | |
| 15 | 9.54 | 14.00 | 15.19 | 298.52 | 162.02 | 30.91 | 284.49 | 30.91 | 22.37 | 16.41 | 10.61 | 9.54 | | |
| 16 | 10.61 | 14.00 | 14.00 | 52.35 | 366.61 | 42.19 | 248.07 | 30.91 | 22.37 | 16.41 | 10.61 | 9.54 | | |
| 17 | 10.61 | 12.84 | 15.19 | 34.55 | 298.52 | 62.03 | 151.83 | 29.14 | 20.76 | 15.19 | 10.61 | 9.54 | | |
| 18 | 9.54 | 10.61 | 24.01 | 32.72 | 122.46 | 48.20 | 135.28 | 29.14 | 20.76 | 15.19 | 10.61 | 12.84 | | |
| 19 | 9.54 | 10.61 | 44.17 | 54.46 | 98.02 | 69.89 | 113.11 | 29.14 | 20.76 | 15.19 | 10.61 | 12.84 | | |
| 20 | 10.61 | 10.61 | 56.95 | 239.21 | 80.80 | 34.55 | 83.60 | 29.14 | 20.76 | 15.19 | 10.61 | 11.71 | | |
| 21 | 10.61 | 10.61 | 32.72 | 332.04 | 86.43 | 30.91 | 72.57 | 29.14 | 20.76 | 15.19 | 9.54 | 10.61 | | |
| 22 | 10.61 | 14.00 | 24.01 | 158.60 | 473.50 | 103.98 | 56.95 | 29.14 | 20.76 | 15.19 | 9.54 | 9.54 | | |
| 23 | 8.51 | 14.00 | 20.76 | 184.02 | 781.36 | 48.20 | 59.47 | 29.14 | 20.76 | 15.19 | 9.54 | 9.54 | | |
| 24 | 6.56 | 17.66 | 25.68 | 95.08 | 629.04 | 32.72 | 59.47 | 34.55 | 20.76 | 15.19 | 9.54 | 9.54 | | |
| 25 | 6.56 | 16.41 | 25.68 | 162.02 | 549.62 | 69.89 | 52.35 | 50.26 | 20.76 | 14.00 | 10.61 | 10.61 | | |
| 26 | 6.56 | 20.76 | 22.37 | 110.04 | 621.69 | 356.63 | 48.20 | 34.55 | 20.76 | 14.00 | 25.68 | 10.61 | | |
| 27 | 12.84 | 20.76 | 20.76 | 48.20 | 812.99 | 106.99 | 48.20 | 30.91 | 20.76 | 12.84 | 32.72 | 10.61 | | |
| 28 | 10.61 | 125.63 | 20.76 | 125.63 | 934.87 | 62.03 | 42.19 | 27.39 | 20.76 | 12.84 | 32.72 | 10.61 | | |
| 29 | 12.84 | 40.24 | 19.19 | 103.98 | 1092.88 | 54.46 | 40.24 | 25.68 | 20.76 | 11.71 | | 9.54 | | |
| 30 | 10.61 | 34.55 | 17.66 | 46.17 | 1252.63 | 29.14 | 40.24 | 24.01 | 19.19 | 11.71 | | 7.52 | | |
| 31 | | 248.07 | | 100.99 | 1220.16 | | 40.24 | | 19.19 | 11.71 | | 7.52 | | |
| Total | 358.89 | 907.83 | 943.57 | 4990.31 | 14256.17 | 2883.60 | 23285.64 | 981.03 | 682.58 | 503.19 | 403.42 | 351.95 | 50548.18 | Tonday |
| Mean | 11.96 | 29.28 | 31.45 | 160.98 | 459.88 | 96.12 | 751.15 | 32.70 | 22.02 | 16.23 | 14.41 | 11.35 | | Ton/day |
| Max | 29.14 | 248.07 | 261.55 | 1521.34 | 1780.94 | 493.92 | 3582.97 | 50.26 | 24.01 | 19.19 | 32.72 | 19.19 | 3582.97 | Ton/day |
| Min | 6.56 | 10.61 | 14.00 | 17.66 | 44.17 | 29.14 | 24.01 | 24.01 | 19.19 | 11.71 | 9.54 | 7.52 | 6.56 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam Som at Ban Wang Lao, Udon Thani (Kh.94)

Lat 17 - 58 - 03 N Long 102 - 14 - 46 E

**Location : on right bank at the bridge on road.**

**Ban** Wang Lao **Amphoe** Na Yung **Changwat** Udon Thani

| | |
|---|---|
| **Drainge Area** | 854 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1999-2006 |
| **Number of observation** | 135 |
| **R-Square** | 0.9064 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.8242\ QW^{1.25350}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.44 | 63.52 | 42.28 | 64.63 | 458.37 | 1399.14 | 104.15 | 37.65 | 10.57 | 4.56 | 9.69 | 2.02 | | |
| 2 | 1.29 | 93.33 | 39.18 | 39.18 | 523.75 | 1469.07 | 80.44 | 36.14 | 10.86 | 4.31 | 9.40 | 3.12 | | |
| 3 | 1.29 | 76.99 | 33.14 | 34.63 | 512.37 | 1067.93 | 86.25 | 37.65 | 9.98 | 3.82 | 9.12 | 4.81 | | |
| 4 | 1.29 | 47.80 | 39.18 | 33.89 | 287.24 | 715.91 | 123.96 | 36.14 | 9.69 | 3.59 | 9.40 | 6.36 | | |
| 5 | 1.29 | 35.38 | 38.42 | 28.75 | 102.93 | 523.75 | 1215.89 | 33.89 | 9.98 | 4.31 | 9.69 | 6.62 | | |
| 6 | 1.44 | 19.25 | 33.14 | 28.75 | 46.21 | 389.94 | 1572.00 | 33.14 | 10.27 | 5.06 | 9.12 | 7.16 | | |
| 7 | 1.81 | 9.69 | 21.87 | 33.14 | 30.93 | 252.55 | 1898.95 | 31.67 | 9.69 | 6.89 | 8.55 | 6.62 | | |
| 8 | 4.56 | 7.44 | 13.28 | 32.40 | 39.18 | 369.41 | 1958.01 | 30.93 | 8.27 | 6.62 | 5.06 | 6.62 | | |
| 9 | 11.76 | 7.44 | 10.57 | 11.76 | 46.21 | 191.46 | 1907.37 | 30.93 | 6.89 | 7.16 | 4.56 | 7.16 | | |
| 10 | 10.57 | 7.44 | 9.40 | 8.83 | 41.50 | 243.08 | 2888.83 | 28.04 | 6.62 | 8.27 | 5.06 | 6.89 | | |
| 11 | 9.69 | 6.36 | 7.44 | 8.83 | 37.65 | 351.02 | 3365.07 | 24.64 | 6.09 | 10.57 | 4.81 | 6.36 | | |
| 12 | 9.98 | 5.06 | 7.16 | 9.12 | 43.06 | 297.03 | 2517.62 | 22.42 | 5.83 | 12.36 | 5.06 | 6.62 | | |
| 13 | 10.86 | 3.59 | 7.44 | 8.83 | 59.15 | 216.96 | 940.18 | 20.25 | 5.83 | 13.28 | 5.31 | 6.89 | | |
| 14 | 10.86 | 2.89 | 6.09 | 8.83 | 82.75 | 161.50 | 760.66 | 19.25 | 6.09 | 12.97 | 5.06 | 6.89 | | |
| 15 | 11.16 | 4.07 | 6.89 | 8.83 | 90.95 | 132.83 | 365.31 | 18.78 | 5.57 | 10.86 | 7.16 | 7.16 | | |
| 16 | 11.16 | 4.81 | 7.16 | 8.55 | 98.11 | 120.19 | 271.71 | 17.86 | 5.31 | 11.76 | 7.44 | 6.09 | | |
| 17 | 9.98 | 5.06 | 3.59 | 8.83 | 100.51 | 105.37 | 220.66 | 17.86 | 4.81 | 12.06 | 7.71 | 6.09 | | |
| 18 | 8.27 | 6.62 | 6.62 | 12.06 | 96.91 | 101.72 | 177.60 | 16.95 | 5.57 | 12.06 | 8.27 | 6.36 | | |
| 19 | 6.62 | 9.12 | 8.55 | 21.87 | 140.54 | 122.70 | 143.13 | 16.50 | 4.81 | 12.36 | 7.99 | 5.83 | | |
| 20 | 5.31 | 9.98 | 10.57 | 39.95 | 492.57 | 229.95 | 115.20 | 16.95 | 4.81 | 12.67 | 7.71 | 5.83 | | |
| 21 | 3.59 | 10.57 | 20.25 | 135.39 | 616.57 | 189.66 | 85.08 | 16.95 | 4.31 | 11.46 | 7.71 | 6.36 | | |
| 22 | 4.56 | 7.99 | 24.08 | 332.82 | 302.94 | 186.08 | 80.44 | 16.50 | 4.07 | 10.86 | 8.27 | 6.09 | | |
| 23 | 5.83 | 9.12 | 22.97 | 328.81 | 267.86 | 243.08 | 85.08 | 17.41 | 4.31 | 10.27 | 7.44 | 6.36 | | |
| 24 | 5.57 | 12.36 | 23.52 | 285.29 | 252.55 | 264.02 | 86.25 | 17.41 | 4.07 | 9.98 | 6.62 | 6.09 | | |
| 25 | 4.31 | 13.28 | 31.67 | 191.46 | 143.13 | 198.68 | 67.95 | 16.05 | 3.82 | 9.40 | 6.36 | 5.83 | | |
| 26 | 2.45 | 111.49 | 34.63 | 141.83 | 361.21 | 162.83 | 54.28 | 14.21 | 4.31 | 9.40 | 5.57 | 4.81 | | |
| 27 | 1.44 | 105.37 | 30.93 | 187.87 | 862.06 | 156.21 | 47.00 | 12.67 | 5.83 | 9.40 | 3.59 | 4.56 | | |
| 28 | 5.57 | 62.43 | 152.26 | 169.52 | 1856.99 | 165.50 | 44.63 | 11.46 | 5.31 | 9.69 | 1.44 | 4.31 | | |
| 29 | 10.27 | 20.25 | 265.94 | 148.33 | 1559.06 | 216.96 | 47.00 | 10.86 | 4.31 | 10.57 | | 4.31 | | |
| 30 | 13.90 | 17.86 | 141.83 | 130.28 | 1336.18 | 243.08 | 42.28 | 10.27 | 4.56 | 10.27 | | 5.06 | | |
| 31 | | 17.41 | | 135.39 | 1221.27 | | 39.18 | | 4.81 | 9.69 | | 5.57 | | |
| Total | 188.12 | 813.97 | 1100.05 | 2638.65 | 12110.71 | 10487.61 | 21392.16 | 671.43 | 197.25 | 286.53 | 193.17 | 180.85 | 50260.50 | Tonday |
| Mean | 6.27 | 26.26 | 36.67 | 85.12 | 390.67 | 349.59 | 690.07 | 22.38 | 6.36 | 9.24 | 6.90 | 5.83 | | Ton/day |
| Max | 13.90 | 111.49 | 265.94 | 332.82 | 1856.99 | 1469.07 | 3365.07 | 37.65 | 10.86 | 13.28 | 9.69 | 7.16 | 3365.07 | Ton/day |
| Min | 1.29 | 2.89 | 3.59 | 8.55 | 30.93 | 101.72 | 39.18 | 10.27 | 3.82 | 3.59 | 1.44 | 2.02 | 1.29 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Nam San at Ban Kaeng Hai , Loei (Kh.95)

Lat 17 - 26 - 20 N Long 101 - 19 - 50 E

**Location : on left bank at the bridge of Amphoe Phu Rua - Amphoe Dan Sai Highway.**

**Ban** Kaeng Hai **Amphoe** Phu Rua **Changwat** Loeii

| | |
|---|---|
| **Drainge Area** | 352 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont'd |
| **Actual Measurement** | 2004-Cont'd |
| **Using Rating Curve Water Year** | 2004-2006 |
| **Number of observation** | 39 |
| **R-Square** | 0.9068 |
| **Remarks** | Continued Sediment Station |

$$QS = 6.8144\ QW^{1.44410}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.20 | 317.58 | 18.01 | 26.48 | 109.48 | 2721.67 | 3541.44 | 63.68 | 12.00 | 6.04 | 3.42 | 2.22 | | |
| 2 | 1.20 | 252.49 | 16.96 | 32.66 | 77.82 | 1299.08 | 1773.25 | 62.70 | 12.00 | 6.04 | 3.42 | 2.22 | | |
| 3 | 1.26 | 175.94 | 10.85 | 32.66 | 61.73 | 954.95 | 3155.06 | 60.77 | 11.08 | 6.04 | 3.26 | 2.22 | | |
| 4 | 1.08 | 84.14 | 15.42 | 33.30 | 53.20 | 591.59 | 14545.91 | 57.89 | 10.85 | 5.85 | 3.10 | 2.22 | | |
| 5 | 1.14 | 66.64 | 14.41 | 34.10 | 48.64 | 522.98 | 6228.47 | 52.28 | 10.85 | 5.85 | 2.95 | 2.22 | | |
| 6 | 1.20 | 57.89 | 14.91 | 34.10 | 43.33 | 511.80 | 3709.62 | 47.74 | 10.62 | 5.48 | 2.80 | 2.08 | | |
| 7 | 1.31 | 33.30 | 13.43 | 22.97 | 41.60 | 460.63 | 2804.00 | 44.20 | 10.40 | 5.30 | 2.65 | 2.08 | | |
| 8 | 1.95 | 32.02 | 12.00 | 19.08 | 45.96 | 340.27 | 2507.65 | 40.75 | 10.40 | 5.30 | 2.50 | 1.95 | | |
| 9 | 1.75 | 24.71 | 10.85 | 11.54 | 530.47 | 200.51 | 4780.54 | 34.91 | 10.18 | 5.12 | 2.50 | 1.81 | | |
| 10 | 1.62 | 21.28 | 10.62 | 8.44 | 299.46 | 373.51 | 4677.51 | 30.14 | 9.95 | 5.12 | 2.36 | 1.75 | | |
| 11 | 1.37 | 19.62 | 9.95 | 8.44 | 122.65 | 3375.69 | 3562.33 | 28.29 | 9.73 | 4.94 | 2.36 | 1.68 | | |
| 12 | 1.20 | 17.48 | 9.08 | 6.42 | 83.07 | 3155.06 | 4372.62 | 31.39 | 9.51 | 4.94 | 2.36 | 1.62 | | |
| 13 | 1.08 | 22.40 | 8.03 | 5.85 | 75.75 | 1062.00 | 3027.22 | 34.10 | 9.30 | 4.76 | 2.22 | 1.56 | | |
| 14 | 1.20 | 50.45 | 7.01 | 5.67 | 478.71 | 387.06 | 1668.11 | 34.10 | 9.08 | 4.76 | 2.22 | 1.50 | | |
| 15 | 1.20 | 87.35 | 6.42 | 7.21 | 607.18 | 271.53 | 996.17 | 32.66 | 9.08 | 4.76 | 2.08 | 1.43 | | |
| 16 | 1.31 | 90.61 | 5.67 | 10.40 | 161.16 | 311.18 | 572.27 | 30.77 | 8.87 | 4.58 | 2.08 | 1.43 | | |
| 17 | 1.75 | 13.92 | 5.48 | 13.43 | 387.06 | 1002.10 | 460.63 | 29.52 | 8.65 | 4.58 | 1.95 | 1.31 | | |
| 18 | 2.08 | 7.82 | 7.82 | 43.33 | 249.80 | 2203.06 | 393.90 | 28.91 | 8.44 | 4.41 | 1.81 | 1.20 | | |
| 19 | 6.81 | 7.01 | 14.91 | 39.05 | 193.03 | 1985.42 | 333.74 | 27.69 | 8.23 | 4.41 | 1.81 | 1.14 | | |
| 20 | 50.45 | 22.40 | 21.28 | 60.77 | 205.54 | 774.84 | 271.53 | 26.48 | 8.03 | 4.24 | 1.75 | 1.20 | | |
| 21 | 42.46 | 421.60 | 19.62 | 114.37 | 152.13 | 670.80 | 218.28 | 25.30 | 7.82 | 4.24 | 1.75 | 1.14 | | |
| 22 | 34.10 | 695.15 | 19.08 | 72.67 | 162.98 | 432.14 | 180.77 | 24.13 | 7.62 | 4.07 | 1.81 | 1.20 | | |
| 23 | 106.26 | 442.76 | 24.13 | 66.64 | 460.63 | 504.39 | 170.35 | 23.55 | 7.41 | 4.07 | 1.81 | 1.20 | | |
| 24 | 48.64 | 260.60 | 59.80 | 74.72 | 630.81 | 305.15 | 162.98 | 21.84 | 7.41 | 3.90 | 1.81 | 1.14 | | |
| 25 | 138.02 | 568.43 | 99.91 | 79.91 | 568.43 | 215.71 | 145.02 | 21.28 | 7.21 | 3.90 | 1.81 | 1.14 | | |
| 26 | 64.66 | 327.24 | 43.33 | 82.01 | 435.67 | 244.46 | 122.65 | 20.72 | 7.01 | 3.74 | 2.08 | 1.14 | | |
| 27 | 75.75 | 356.77 | 45.08 | 96.77 | 404.22 | 489.67 | 104.66 | 19.62 | 6.62 | 3.74 | 2.22 | 1.08 | | |
| 28 | 170.35 | 172.21 | 56.00 | 73.69 | 407.68 | 1370.40 | 92.14 | 16.44 | 6.42 | 3.58 | 2.22 | 1.08 | | |
| 29 | 208.07 | 143.26 | 120.98 | 80.96 | 564.60 | 3027.22 | 83.07 | 13.92 | 6.23 | 3.58 | | 1.03 | | |
| 30 | 320.79 | 80.96 | 83.07 | 107.87 | 583.84 | 4962.48 | 75.75 | 12.95 | 6.23 | 3.58 | | 1.03 | | |
| 31 | | 28.29 | | 120.98 | 1254.32 | | 69.63 | | 6.04 | 3.42 | | 1.03 | | |
| Total | 1291.26 | 4902.32 | 804.11 | 1426.49 | 9500.95 | 34727.35 | 64807.27 | 998.72 | 273.27 | 144.34 | 65.11 | 47.05 | 118988.24 | Tonday |
| Mean | 43.04 | 158.14 | 26.80 | 46.02 | 306.48 | 1157.58 | 2090.56 | 33.29 | 8.82 | 4.66 | 2.33 | 1.52 | | Ton/day |
| Max | 320.79 | 695.15 | 120.98 | 120.98 | 1254.32 | 4962.48 | 14545.91 | 63.68 | 12.00 | 6.04 | 3.42 | 2.22 | 14545.91 | Ton/day |
| Min | 1.08 | 7.01 | 5.48 | 5.67 | 41.60 | 200.51 | 69.63 | 12.95 | 6.04 | 3.42 | 1.75 | 1.03 | 1.03 | Ton/day |

# WATER YEAR : 2006

## KHONG RIVER BASIN

### Huai Muk at Ban Kaen Tao , Mukdahan (Kh.101)

Lat 16 - 35 - 07 N Long 104 - 37 - 13 E

**Location : on right bank at the bridge of Amphoe Dong Luang - Muk Dahan Highway.**

**Ban** Kaen Tao **Amphoe** Mueang **Changwat** Mukdahan

| | |
|---|---|
| **Drainge Area** | 414 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 84 |
| **R-Square** | 0.9207 |
| **Remarks** | Continued Sediment Station |

$$QS = 7.9542\ QW^{1.20900}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.32 | 175.60 | 0.49 | 133.86 | 94.13 | 10.92 | 6.54 | 1.56 | 0.27 | 0.00 | 0.11 | | |
| 2 | 0.07 | 0.16 | 61.92 | 0.87 | 206.75 | 54.33 | 104.84 | 5.89 | 1.35 | 0.27 | 0.00 | 0.11 | | |
| 3 | 0.43 | 0.11 | 24.67 | 33.69 | 139.52 | 31.85 | 264.95 | 5.89 | 1.21 | 0.32 | 0.00 | 0.07 | | |
| 4 | 0.27 | 0.11 | 9.92 | 328.01 | 182.85 | 19.51 | 339.94 | 5.62 | 1.14 | 0.27 | 0.07 | 0.11 | | |
| 5 | 0.21 | 0.03 | 4.73 | 140.94 | 208.61 | 16.73 | 290.36 | 5.17 | 1.07 | 0.27 | 0.03 | 0.07 | | |
| 6 | 0.21 | 0.03 | 3.11 | 84.92 | 128.24 | 18.95 | 309.09 | 4.73 | 1.07 | 0.21 | 0.00 | 0.00 | | |
| 7 | 0.11 | 0.00 | 1.78 | 66.76 | 100.80 | 14.57 | 325.64 | 4.55 | 1.07 | 0.16 | 0.00 | 0.00 | | |
| 8 | 0.07 | 0.03 | 1.28 | 48.75 | 84.92 | 12.46 | 952.72 | 3.69 | 1.00 | 0.16 | 0.00 | 0.00 | | |
| 9 | 0.27 | 0.03 | 0.74 | 42.38 | 58.11 | 12.46 | 1233.66 | 3.28 | 0.93 | 0.11 | 0.00 | 0.00 | | |
| 10 | 0.11 | 0.16 | 0.43 | 70.66 | 30.63 | 37.05 | 931.87 | 2.95 | 0.68 | 0.16 | 0.00 | 0.00 | | |
| 11 | 0.11 | 0.07 | 0.21 | 61.92 | 24.08 | 27.62 | 367.18 | 2.63 | 0.55 | 0.38 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.07 | 0.11 | 38.81 | 17.28 | 16.73 | 161.25 | 2.31 | 0.49 | 0.32 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.32 | 0.03 | 21.20 | 33.69 | 12.46 | 88.85 | 2.16 | 0.43 | 0.27 | 0.00 | 0.00 | | |
| 14 | 0.03 | 0.11 | 0.00 | 31.85 | 30.63 | 4.99 | 61.92 | 2.01 | 0.38 | 0.21 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.03 | 0.00 | 342.33 | 45.09 | 4.55 | 44.19 | 1.63 | 0.38 | 0.21 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 412.40 | 212.34 | 4.12 | 30.63 | 1.56 | 0.32 | 0.21 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.07 | 242.55 | 142.36 | 7.00 | 24.67 | 1.56 | 0.32 | 0.21 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.07 | 135.27 | 79.60 | 27.02 | 22.35 | 1.56 | 0.32 | 0.16 | 0.00 | 0.11 | | |
| 19 | 0.00 | 0.00 | 0.49 | 170.19 | 100.80 | 12.99 | 19.51 | 1.49 | 0.38 | 0.16 | 0.00 | 0.07 | | |
| 20 | 0.00 | 0.00 | 0.87 | 221.70 | 73.62 | 7.29 | 16.19 | 1.35 | 0.38 | 0.11 | 0.00 | 0.03 | | |
| 21 | 0.00 | 0.00 | 10.42 | 229.25 | 57.16 | 6.07 | 12.99 | 2.01 | 0.32 | 0.07 | 0.00 | 0.03 | | |
| 22 | 0.00 | 0.00 | 7.29 | 146.65 | 128.24 | 4.55 | 9.42 | 2.31 | 0.27 | 0.03 | 0.00 | 0.03 | | |
| 23 | 0.00 | 0.00 | 9.42 | 81.60 | 132.45 | 5.44 | 7.95 | 7.48 | 0.32 | 0.03 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.03 | 7.76 | 51.53 | 161.25 | 4.99 | 8.93 | 5.44 | 0.43 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 6.35 | 73.62 | 175.60 | 30.02 | 8.44 | 5.17 | 0.43 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 3.11 | 65.78 | 201.19 | 57.16 | 7.95 | 5.17 | 0.21 | 0.00 | 0.07 | 0.00 | | |
| 27 | 0.00 | 0.00 | 1.56 | 86.23 | 133.86 | 31.85 | 6.54 | 3.28 | 0.21 | 0.00 | 0.07 | 0.00 | | |
| 28 | 0.00 | 6.82 | 1.35 | 152.40 | 69.68 | 22.92 | 5.89 | 2.79 | 0.21 | 0.03 | 0.03 | 0.00 | | |
| 29 | 0.11 | 3.69 | 0.80 | 113.01 | 42.38 | 17.28 | 7.48 | 2.47 | 0.21 | 0.03 | | 0.00 | | |
| 30 | 0.32 | 46.92 | 0.49 | 68.70 | 119.89 | 12.46 | 7.00 | 1.86 | 0.16 | 0.03 | | 0.00 | | |
| 31 | | 214.20 | | 51.53 | 157.70 | | 6.07 | | 0.16 | 0.03 | | 0.00 | | |
| Total | 2.32 | 273.24 | 334.58 | 3615.99 | 3413.18 | 629.55 | 5689.39 | 104.55 | 17.96 | 4.69 | 0.27 | 0.74 | 14086.46 | Tonday |
| Mean | 0.08 | 8.81 | 11.15 | 116.64 | 110.10 | 20.98 | 183.53 | 3.49 | 0.58 | 0.15 | 0.01 | 0.02 | | Ton/day |
| Max | 0.43 | 214.20 | 175.60 | 412.40 | 212.34 | 94.13 | 1233.66 | 7.48 | 1.56 | 0.38 | 0.07 | 0.11 | 1233.66 | Ton/day |
| Min | 0.00 | 0.00 | 0.00 | 0.49 | 17.28 | 4.12 | 5.89 | 1.35 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## NAM MAE KOK RIVER BASIN

### Nam Mae Lao at Ban Ton Yang , Chiang Rai (G.8)

Lat 19 - 47 - 32 N Long 99 - 45 - 11 E

**Location : on left bank at the bridge of Chiang Rai - Phayao Highway, Tambon Bua Sali.**

**Ban** Ton Yang **Amphoe** Mae Lao **Changwat** Chiang Rai

| | |
|---|---|
| **Drainge Area** | 2,909 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 1997-2006 |
| **Number of observation** | 232 |
| **R-Square** | 0.9307 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.9074\ QW^{1.43020}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.74 | 862.39 | 776.68 | 21.40 | 2586.13 | 6256.80 | 1153.10 | 326.69 | 253.05 | 2.03 | 1.14 | 1.57 | | |
| 2 | 26.48 | 567.40 | 713.09 | 23.06 | 6717.68 | 6717.68 | 713.09 | 336.67 | 253.05 | 2.03 | 1.14 | 1.57 | | |
| 3 | 23.06 | 307.27 | 681.92 | 39.00 | 5997.91 | 6191.77 | 477.70 | 336.67 | 253.05 | 3.69 | 1.14 | 1.57 | | |
| 4 | 21.40 | 138.43 | 608.25 | 49.60 | 2448.56 | 3712.03 | 477.70 | 261.82 | 253.05 | 15.06 | 1.14 | 1.57 | | |
| 5 | 19.78 | 89.41 | 501.24 | 68.87 | 933.69 | 1366.76 | 501.24 | 244.59 | 244.59 | 18.20 | 1.14 | 1.37 | | |
| 6 | 19.78 | 57.08 | 376.92 | 1366.76 | 580.92 | 1434.42 | 567.40 | 195.50 | 235.99 | 18.20 | 1.37 | 1.14 | | |
| 7 | 35.64 | 49.60 | 336.67 | 1754.81 | 356.62 | 1608.60 | 567.40 | 195.50 | 211.20 | 17.16 | 1.57 | 1.14 | | |
| 8 | 33.74 | 39.00 | 288.21 | 1099.81 | 297.81 | 728.84 | 553.97 | 288.21 | 211.20 | 16.15 | 1.57 | 0.96 | | |
| 9 | 33.74 | 49.60 | 398.07 | 540.64 | 651.17 | 666.50 | 1234.44 | 454.51 | 195.50 | 16.15 | 1.57 | 0.96 | | |
| 10 | 33.74 | 35.64 | 420.38 | 235.99 | 915.71 | 897.83 | 5061.65 | 443.04 | 188.10 | 15.06 | 1.57 | 0.96 | | |
| 11 | 30.05 | 49.60 | 376.92 | 113.12 | 995.54 | 2023.95 | 4704.56 | 409.18 | 180.58 | 16.15 | 1.57 | 0.96 | | |
| 12 | 23.06 | 39.00 | 317.06 | 53.30 | 553.97 | 2189.11 | 4191.98 | 398.07 | 180.58 | 18.20 | 1.57 | 0.96 | | |
| 13 | 19.78 | 33.74 | 188.10 | 45.98 | 540.64 | 1717.90 | 3207.57 | 387.06 | 166.22 | 18.20 | 1.57 | 0.96 | | |
| 14 | 15.06 | 26.48 | 45.98 | 33.74 | 1434.42 | 915.71 | 1754.81 | 366.60 | 159.18 | 18.20 | 1.57 | 0.96 | | |
| 15 | 68.87 | 33.74 | 23.06 | 30.05 | 1434.42 | 622.06 | 1099.81 | 356.62 | 159.18 | 19.78 | 1.37 | 0.88 | | |
| 16 | 89.41 | 45.98 | 19.78 | 30.05 | 810.05 | 420.38 | 728.84 | 356.62 | 145.18 | 5.77 | 0.96 | 0.88 | | |
| 17 | 42.45 | 356.62 | 21.40 | 72.94 | 744.68 | 326.69 | 454.51 | 356.62 | 145.18 | 2.48 | 0.96 | 0.88 | | |
| 18 | 28.25 | 336.67 | 19.78 | 95.18 | 744.68 | 288.21 | 387.06 | 336.67 | 145.18 | 1.77 | 0.96 | 0.88 | | |
| 19 | 19.78 | 279.41 | 18.20 | 72.94 | 844.84 | 527.41 | 540.64 | 336.67 | 145.18 | 1.37 | 0.96 | 0.88 | | |
| 20 | 35.64 | 159.18 | 21.40 | 95.18 | 1942.85 | 3457.03 | 466.06 | 336.67 | 131.77 | 1.37 | 0.96 | 1.77 | | |
| 21 | 35.64 | 173.36 | 83.92 | 235.99 | 2273.14 | 11604.84 | 376.92 | 326.69 | 83.92 | 1.37 | 0.96 | 6.83 | | |
| 22 | 28.25 | 195.50 | 125.39 | 125.39 | 1754.81 | 11203.90 | 326.69 | 317.06 | 72.94 | 1.37 | 0.96 | 6.29 | | |
| 23 | 21.40 | 227.71 | 107.04 | 78.37 | 995.54 | 13764.01 | 307.27 | 307.27 | 72.94 | 0.96 | 0.96 | 3.69 | | |
| 24 | 18.20 | 288.21 | 68.87 | 45.98 | 728.84 | 11685.54 | 346.47 | 307.27 | 72.94 | 0.96 | 0.96 | 2.71 | | |
| 25 | 16.15 | 466.06 | 35.64 | 28.25 | 443.04 | 8175.88 | 501.24 | 297.81 | 72.94 | 0.88 | 0.96 | 1.77 | | |
| 26 | 15.06 | 713.09 | 45.98 | 31.88 | 1153.10 | 2820.37 | 501.24 | 279.41 | 49.60 | 0.79 | 0.96 | 1.77 | | |
| 27 | 18.20 | 827.39 | 18.20 | 288.21 | 2586.13 | 2189.11 | 443.04 | 261.82 | 6.29 | 0.64 | 1.14 | 1.37 | | |
| 28 | 24.75 | 635.96 | 18.20 | 608.25 | 3457.03 | 1644.79 | 398.07 | 261.82 | 3.69 | 0.56 | 1.14 | 0.96 | | |
| 29 | 409.18 | 514.27 | 21.40 | 420.38 | 3012.10 | 4413.97 | 376.92 | 244.59 | 2.71 | 0.64 | | 0.96 | | |
| 30 | 897.83 | 489.43 | 18.20 | 235.99 | 2494.16 | 2540.02 | 356.62 | 244.59 | 2.48 | 0.96 | | 0.96 | | |
| 31 | | 697.46 | | 635.96 | 2867.95 | | 346.47 | | 2.25 | 0.96 | | 0.96 | | |
| Total | 2138.11 | 8784.68 | 6695.95 | 8577.07 | 53298.13 | 112112.11 | 33124.48 | 9572.31 | 4299.71 | 237.11 | 33.84 | 51.09 | 238924.59 | Tonday |
| Mean | 71.27 | 283.38 | 223.20 | 276.68 | 1719.29 | 3737.07 | 1068.53 | 319.08 | 138.70 | 7.65 | 1.21 | 1.65 | | Ton/day |
| Max | 897.83 | 862.39 | 776.68 | 1754.81 | 6717.68 | 13764.01 | 5061.65 | 454.51 | 253.05 | 19.78 | 1.57 | 6.83 | 13764.01 | Ton/day |
| Min | 15.06 | 26.48 | 18.20 | 21.40 | 297.81 | 288.21 | 307.27 | 195.50 | 2.25 | 0.56 | 0.96 | 0.88 | 0.56 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Non Puai , Chaiyaphum (E.5)

Lat 15 - 46 - 08 N Long 101 - 49 - 01 E

**Location : on left bank near Ban Non Puai about 30 meters downstream from Ban Tango.**

**Ban** Non Puai **Amphoe** Ban Khwao **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 4,207 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 159 |
| **R-Square** | 0.8864 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.9793\ QW^{1.31220}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.86 | 24.70 | 90.34 | 639.64 | 746.55 | 4305.96 | 2984.31 | 327.21 | 53.06 | 11.33 | 2.68 | 11.33 | | |
| 2 | 4.51 | 14.65 | 327.21 | 339.19 | 1413.59 | 6260.13 | 2697.14 | 303.56 | 47.34 | 11.33 | 1.86 | 11.33 | | |
| 3 | 9.24 | 19.52 | 176.59 | 216.18 | 2132.41 | 7634.43 | 3295.25 | 280.35 | 47.34 | 10.27 | 1.86 | 22.07 | | |
| 4 | 7.25 | 14.65 | 110.59 | 146.36 | 1862.38 | 8066.24 | 5156.84 | 257.59 | 47.34 | 10.27 | 1.86 | 19.52 | | |
| 5 | 4.03 | 11.33 | 83.81 | 146.36 | 819.93 | 6984.54 | 7230.13 | 240.82 | 41.77 | 10.27 | 1.86 | 11.33 | | |
| 6 | 2.26 | 8.23 | 83.81 | 161.31 | 604.89 | 3580.12 | 8727.63 | 240.82 | 32.97 | 11.33 | 1.48 | 9.24 | | |
| 7 | 1.86 | 4.51 | 38.78 | 425.78 | 477.27 | 2329.17 | 9713.94 | 232.54 | 30.15 | 11.33 | 1.48 | 6.30 | | |
| 8 | 1.12 | 6.30 | 27.39 | 553.66 | 327.21 | 1781.19 | 10906.31 | 208.12 | 30.15 | 9.24 | 1.48 | 6.30 | | |
| 9 | 1.12 | 4.51 | 19.52 | 303.56 | 257.59 | 1590.95 | 12102.41 | 184.36 | 27.39 | 8.23 | 1.48 | 5.39 | | |
| 10 | 1.48 | 8.23 | 12.42 | 280.35 | 216.18 | 1757.13 | 12804.04 | 168.91 | 24.70 | 5.39 | 1.48 | 4.51 | | |
| 11 | 1.86 | 24.70 | 10.27 | 388.10 | 176.59 | 2973.72 | 13298.54 | 161.31 | 24.70 | 5.39 | 1.48 | 4.51 | | |
| 12 | 2.68 | 22.07 | 11.33 | 902.51 | 176.59 | 6260.13 | 12804.04 | 153.79 | 24.70 | 4.51 | 1.12 | 4.51 | | |
| 13 | 2.68 | 13.52 | 13.52 | 1088.93 | 146.36 | 7989.63 | 11947.78 | 146.36 | 19.52 | 4.51 | 1.48 | 4.51 | | |
| 14 | 1.48 | 17.04 | 11.33 | 728.46 | 131.77 | 8581.39 | 10687.09 | 131.77 | 19.52 | 3.57 | 1.86 | 4.51 | | |
| 15 | 1.86 | 12.42 | 8.23 | 536.83 | 110.59 | 7408.13 | 9097.42 | 117.55 | 17.04 | 3.57 | 1.86 | 4.51 | | |
| 16 | 4.03 | 12.42 | 7.25 | 388.10 | 249.17 | 4143.21 | 5535.86 | 103.73 | 17.04 | 4.03 | 1.86 | 6.30 | | |
| 17 | 4.51 | 13.52 | 6.30 | 490.36 | 746.55 | 4143.21 | 3069.35 | 103.73 | 17.04 | 4.03 | 1.48 | 4.51 | | |
| 18 | 3.12 | 10.27 | 7.25 | 451.35 | 801.43 | 6180.82 | 2141.26 | 96.98 | 14.65 | 3.57 | 1.86 | 3.12 | | |
| 19 | 2.26 | 6.30 | 9.24 | 692.60 | 477.27 | 7483.38 | 1693.36 | 90.34 | 14.65 | 3.12 | 1.86 | 1.86 | | |
| 20 | 2.68 | 5.39 | 9.24 | 801.43 | 351.27 | 7887.75 | 1444.07 | 103.73 | 14.65 | 3.57 | 1.86 | 3.57 | | |
| 21 | 9.24 | 13.52 | 24.70 | 1110.42 | 232.54 | 7408.13 | 1278.35 | 90.34 | 13.52 | 3.57 | 1.86 | 5.39 | | |
| 22 | 11.33 | 30.15 | 11.33 | 764.74 | 339.19 | 6339.68 | 1146.44 | 83.81 | 12.42 | 3.57 | 1.86 | 5.39 | | |
| 23 | 17.04 | 64.96 | 10.27 | 536.83 | 553.66 | 4681.30 | 838.53 | 96.98 | 12.42 | 3.57 | 0.30 | 5.39 | | |
| 24 | 27.39 | 64.96 | 11.33 | 400.56 | 464.27 | 3735.80 | 692.60 | 124.61 | 11.33 | 3.57 | 0.36 | 5.39 | | |
| 25 | 38.78 | 103.73 | 13.52 | 280.35 | 339.19 | 2931.45 | 536.83 | 103.73 | 11.33 | 3.57 | 3.12 | 5.39 | | |
| 26 | 32.97 | 96.98 | 58.94 | 327.21 | 351.27 | 2114.73 | 553.66 | 90.34 | 12.42 | 3.57 | 5.39 | 5.39 | | |
| 27 | 14.65 | 64.96 | 257.59 | 994.68 | 1226.65 | 1862.38 | 490.36 | 83.81 | 11.33 | 4.03 | 6.30 | 5.39 | | |
| 28 | 17.04 | 64.96 | 746.55 | 1451.72 | 2650.45 | 2114.73 | 438.52 | 77.40 | 12.42 | 3.57 | 6.30 | 3.57 | | |
| 29 | 19.52 | 64.96 | 1103.24 | 1308.12 | 3865.66 | 2603.95 | 388.10 | 64.96 | 12.42 | 3.57 | | 3.57 | | |
| 30 | 53.06 | 53.06 | 674.83 | 728.46 | 3546.97 | 2963.14 | 375.72 | 58.94 | 11.33 | 3.57 | | 2.68 | | |
| 31 | | 35.85 | | 570.62 | 2973.72 | | 351.27 | | 11.33 | 3.57 | | 2.68 | | |
| Total | 302.91 | 912.37 | 3976.72 | 18154.77 | 28769.16 | 144096.52 | 154427.15 | 4528.49 | 697.99 | 178.59 | 59.73 | 199.46 | 356303.86 | Tonday |
| Mean | 10.10 | 29.43 | 132.56 | 585.64 | 928.04 | 4803.22 | 4981.52 | 150.95 | 22.52 | 5.76 | 2.13 | 6.43 | | Ton/day |
| Max | 53.06 | 103.73 | 1103.24 | 1451.72 | 3865.66 | 8581.39 | 13298.54 | 327.21 | 53.06 | 11.33 | 6.30 | 22.07 | 13298.54 | Ton/day |
| Min | 1.12 | 4.51 | 6.30 | 146.36 | 110.59 | 1590.95 | 351.27 | 58.94 | 11.33 | 3.12 | 0.30 | 1.86 | 0.30 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Kaeng Ko , Chaiyaphum (E.21)

Lat 15 - 45 - 07 N Long 102 - 15 - 25 E

**Location : on left bank about 75 meters upstream from the bridge on highway.**

**Ban** Kaeng Ko **Amphoe** Mueang **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 8,777 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.9357 |
| **Remarks** | Continued Sediment Station |

$$QS = 10.3350\ QW^{0.97180}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 1.32 | 44.58 | 244.21 | 557.85 | 720.04 | 3381.87 | 2001.18 | 162.20 | 77.50 | 51.78 | 0.00 | | |
| 2 | 0.00 | 0.00 | 39.76 | 268.91 | 438.47 | 737.79 | 3365.74 | 1732.10 | 152.92 | 77.50 | 54.17 | 0.00 | | |
| 3 | 0.00 | 0.00 | 46.98 | 191.80 | 428.56 | 751.98 | 3408.19 | 1454.85 | 148.28 | 77.50 | 54.17 | 0.00 | | |
| 4 | 0.00 | 0.00 | 70.86 | 73.23 | 536.37 | 787.43 | 3398.00 | 1211.92 | 152.92 | 77.50 | 54.17 | 0.00 | | |
| 5 | 0.00 | 0.00 | 61.34 | 0.00 | 601.19 | 822.84 | 3365.74 | 960.51 | 143.63 | 77.50 | 61.34 | 0.00 | | |
| 6 | 0.00 | 0.00 | 46.98 | 0.00 | 616.81 | 840.52 | 3333.47 | 808.68 | 138.97 | 70.86 | 63.72 | 0.00 | | |
| 7 | 0.00 | 0.00 | 44.58 | 63.72 | 607.44 | 861.73 | 3349.60 | 688.05 | 134.31 | 70.86 | 63.72 | 0.00 | | |
| 8 | 0.00 | 0.00 | 34.92 | 148.28 | 529.20 | 897.05 | 3423.47 | 529.20 | 129.65 | 70.86 | 63.72 | 0.00 | | |
| 9 | 0.00 | 7.51 | 30.06 | 235.95 | 318.13 | 932.32 | 3728.62 | 285.34 | 124.98 | 70.86 | 63.72 | 0.00 | | |
| 10 | 0.00 | 23.91 | 25.18 | 285.34 | 199.18 | 964.03 | 4333.43 | 107.19 | 124.98 | 70.86 | 58.95 | 0.00 | | |
| 11 | 0.00 | 44.58 | 22.63 | 221.27 | 162.20 | 1016.82 | 4992.89 | 39.76 | 115.63 | 86.01 | 56.57 | 0.00 | | |
| 12 | 0.00 | 51.78 | 22.63 | 199.18 | 138.97 | 1093.66 | 5641.46 | 143.63 | 115.63 | 81.76 | 54.17 | 0.00 | | |
| 13 | 0.00 | 54.17 | 20.07 | 244.21 | 143.63 | 1188.30 | 6095.99 | 536.37 | 115.63 | 81.76 | 51.78 | 0.00 | | |
| 14 | 0.00 | 56.57 | 16.22 | 408.71 | 162.20 | 1329.84 | 6241.17 | 529.20 | 115.63 | 81.76 | 46.98 | 0.00 | | |
| 15 | 0.00 | 51.78 | 9.93 | 522.03 | 152.92 | 1476.60 | 6386.24 | 487.94 | 115.63 | 77.50 | 42.17 | 0.00 | | |
| 16 | 0.00 | 49.38 | 3.83 | 522.03 | 138.97 | 1550.46 | 6337.89 | 448.38 | 107.19 | 77.50 | 34.92 | 0.00 | | |
| 17 | 0.00 | 46.98 | 0.00 | 399.68 | 124.98 | 1788.78 | 6192.79 | 354.44 | 107.19 | 77.50 | 27.62 | 0.00 | | |
| 18 | 0.00 | 44.58 | 0.00 | 293.55 | 221.27 | 1990.83 | 5957.40 | 301.75 | 107.19 | 77.50 | 6.29 | 0.00 | | |
| 19 | 0.00 | 44.58 | 0.00 | 285.34 | 354.44 | 2350.32 | 5529.34 | 301.75 | 102.96 | 70.86 | 0.00 | 0.00 | | |
| 20 | 0.00 | 42.17 | 0.00 | 277.13 | 408.71 | 2588.51 | 4959.31 | 268.91 | 94.50 | 66.10 | 0.00 | 0.00 | | |
| 21 | 0.00 | 42.17 | 0.00 | 277.13 | 354.44 | 2724.88 | 4432.86 | 260.68 | 90.26 | 68.48 | 0.00 | 0.00 | | |
| 22 | 0.00 | 39.76 | 0.00 | 418.64 | 213.91 | 2782.96 | 4045.71 | 244.21 | 81.76 | 68.48 | 0.00 | 0.00 | | |
| 23 | 0.00 | 37.34 | 0.00 | 507.69 | 152.92 | 2862.76 | 3677.81 | 221.27 | 81.76 | 63.72 | 0.00 | 0.00 | | |
| 24 | 13.64 | 46.98 | 0.00 | 497.82 | 191.80 | 3019.61 | 3428.56 | 221.27 | 81.76 | 63.72 | 0.00 | 0.00 | | |
| 25 | 22.63 | 51.78 | 0.00 | 381.60 | 293.55 | 3123.48 | 3268.90 | 221.27 | 81.76 | 63.72 | 0.00 | 0.00 | | |
| 26 | 22.63 | 51.78 | 0.00 | 252.45 | 301.75 | 3155.81 | 3091.14 | 235.95 | 81.76 | 61.34 | 0.00 | 0.00 | | |
| 27 | 23.91 | 51.78 | 0.00 | 162.20 | 213.91 | 3285.04 | 2891.76 | 191.80 | 81.76 | 61.34 | 0.00 | 0.00 | | |
| 28 | 22.63 | 51.78 | 0.00 | 162.20 | 268.91 | 3428.56 | 2746.67 | 177.02 | 81.76 | 58.95 | 0.00 | 0.00 | | |
| 29 | 0.00 | 46.98 | 0.00 | 345.37 | 438.47 | 3448.92 | 2545.72 | 177.02 | 81.76 | 58.95 | | 0.00 | | |
| 30 | 0.00 | 49.38 | 70.86 | 522.03 | 598.07 | 3423.47 | 2343.46 | 177.02 | 77.50 | 54.17 | | 0.00 | | |
| 31 | | 46.98 | | 579.31 | 670.26 | | 2192.29 | | 77.50 | 51.78 | | 0.00 | | |
| Total | 105.44 | 1036.02 | 611.41 | 8991.01 | 10539.48 | 55945.34 | 128087.49 | 15318.66 | 3409.36 | 2194.70 | 909.96 | 0.00 | 227148.87 | Tonday |
| Mean | 3.51 | 33.42 | 20.38 | 290.03 | 339.98 | 1864.84 | 4131.85 | 510.62 | 109.98 | 70.80 | 32.50 | 0.00 | | Ton/day |
| Max | 23.91 | 56.57 | 70.86 | 579.31 | 670.26 | 3448.92 | 6386.24 | 2001.18 | 162.20 | 86.01 | 63.72 | 0.00 | 6386.24 | Ton/day |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 124.98 | 720.04 | 2192.29 | 39.76 | 77.50 | 51.78 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Nam Phong at Ban Tha Mao , Khon Kaen (E.22B)

Lat 16 - 39 - 13 N Long 102 - 49 - 39 E

**Location : on right bank at Ban Tha Mao.**

**Ban** Tha Mao **Amphoe** Nam Phong **Changwat** Khon Kaen

| | |
|---|---|
| **Drainge Area** | 13,638 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont'd |
| **Actual Measurement** | 2004-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9197 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.0955\ QW^{1.17610}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 63.22 | 83.38 | 255.32 | 245.20 | 63.22 | 638.00 | 292.93 | 693.49 | 44.91 | 39.63 | 40.38 | 38.89 | | |
| 2 | 68.40 | 86.07 | 186.39 | 202.63 | 116.43 | 481.82 | 298.11 | 680.81 | 40.38 | 36.14 | 45.67 | 37.51 | | |
| 3 | 68.40 | 90.58 | 136.41 | 167.71 | 119.25 | 292.93 | 349.82 | 475.78 | 41.13 | 32.74 | 58.10 | 41.88 | | |
| 4 | 64.94 | 91.48 | 118.31 | 174.35 | 105.23 | 151.94 | 396.37 | 378.81 | 43.39 | 32.07 | 63.22 | 45.67 | | |
| 5 | 62.36 | 91.48 | 105.23 | 201.27 | 71.01 | 71.88 | 517.05 | 334.50 | 41.13 | 28.08 | 60.65 | 41.13 | | |
| 6 | 50.56 | 91.48 | 99.70 | 210.83 | 53.89 | 41.88 | 608.03 | 291.20 | 39.63 | 24.17 | 54.73 | 44.15 | | |
| 7 | 47.25 | 90.58 | 75.39 | 201.27 | 40.38 | 32.74 | 635.49 | 225.98 | 40.38 | 25.46 | 30.73 | 38.89 | | |
| 8 | 48.08 | 93.30 | 67.53 | 169.03 | 46.43 | 26.77 | 701.11 | 177.01 | 46.43 | 24.82 | 27.42 | 36.82 | | |
| 9 | 48.08 | 92.39 | 68.40 | 105.23 | 62.36 | 24.17 | 834.74 | 165.06 | 44.91 | 19.73 | 26.11 | 35.45 | | |
| 10 | 52.22 | 96.04 | 71.88 | 83.38 | 49.73 | 26.11 | 1315.81 | 170.36 | 38.89 | 9.78 | 28.08 | 36.14 | | |
| 11 | 74.51 | 98.78 | 75.39 | 67.53 | 36.82 | 26.11 | 1709.11 | 174.35 | 36.82 | 9.27 | 24.17 | 34.77 | | |
| 12 | 80.70 | 103.38 | 72.76 | 55.57 | 36.14 | 22.89 | 1775.27 | 177.01 | 30.73 | 11.36 | 22.89 | 37.51 | | |
| 13 | 86.07 | 105.23 | 65.80 | 54.73 | 35.45 | 26.77 | 1594.26 | 159.79 | 32.74 | 30.06 | 22.89 | 40.38 | | |
| 14 | 86.97 | 105.23 | 56.41 | 56.41 | 70.14 | 30.06 | 1249.39 | 131.61 | 32.74 | 38.89 | 22.25 | 41.88 | | |
| 15 | 85.17 | 102.46 | 63.22 | 55.57 | 133.53 | 23.53 | 774.47 | 119.25 | 33.42 | 69.26 | 22.89 | 44.15 | | |
| 16 | 87.87 | 99.70 | 62.36 | 55.57 | 135.45 | 25.46 | 613.01 | 114.55 | 31.40 | 115.49 | 30.73 | 46.43 | | |
| 17 | 87.87 | 97.86 | 68.40 | 52.22 | 117.37 | 61.51 | 617.99 | 92.39 | 35.45 | 121.14 | 22.25 | 50.56 | | |
| 18 | 82.49 | 111.74 | 71.88 | 50.56 | 91.48 | 107.09 | 608.03 | 89.67 | 36.82 | 119.25 | 22.25 | 51.39 | | |
| 19 | 60.65 | 96.95 | 93.30 | 41.13 | 72.76 | 108.95 | 565.95 | 89.67 | 52.22 | 130.65 | 22.89 | 50.56 | | |
| 20 | 55.57 | 94.21 | 105.23 | 44.91 | 86.07 | 72.76 | 546.31 | 89.67 | 86.97 | 149.33 | 36.82 | 46.43 | | |
| 21 | 51.39 | 96.95 | 103.38 | 55.57 | 98.78 | 38.89 | 512.19 | 70.14 | 96.04 | 148.03 | 40.38 | 43.39 | | |
| 22 | 48.90 | 108.95 | 110.81 | 54.73 | 110.81 | 29.40 | 471.76 | 51.39 | 116.43 | 96.95 | 35.45 | 41.13 | | |
| 23 | 48.08 | 131.61 | 103.38 | 53.05 | 108.02 | 90.58 | 447.74 | 55.57 | 124.93 | 104.31 | 34.77 | 44.91 | | |
| 24 | 50.56 | 150.64 | 100.62 | 48.08 | 82.49 | 205.36 | 357.52 | 47.25 | 132.57 | 103.38 | 35.45 | 43.39 | | |
| 25 | 55.57 | 149.33 | 117.37 | 44.91 | 64.08 | 204.00 | 298.11 | 47.25 | 131.61 | 26.11 | 37.51 | 41.13 | | |
| 26 | 61.51 | 121.14 | 128.74 | 45.67 | 58.95 | 183.70 | 265.50 | 54.73 | 125.88 | 28.74 | 38.89 | 40.38 | | |
| 27 | 61.51 | 100.62 | 231.80 | 44.91 | 53.89 | 182.36 | 240.16 | 56.41 | 78.04 | 41.88 | 38.20 | 39.63 | | |
| 28 | 68.40 | 105.23 | 355.59 | 41.13 | 78.04 | 159.79 | 217.69 | 53.89 | 58.95 | 54.73 | 40.38 | 43.39 | | |
| 29 | 77.16 | 238.49 | 408.14 | 40.38 | 100.62 | 181.02 | 308.53 | 47.25 | 52.22 | 46.43 | | 51.39 | | |
| 30 | 80.70 | 323.08 | 321.19 | 39.63 | 166.39 | 260.40 | 502.04 | 45.67 | 49.73 | 51.39 | | 54.73 | | |
| 31 | | 303.32 | | 48.08 | 421.94 | | 638.00 | | 41.88 | 43.39 | | 52.22 | | |
| Total | 1965.16 | 3751.68 | 3900.33 | 2811.24 | 2887.15 | 3828.87 | 20262.49 | 5360.51 | 1838.77 | 1812.66 | 986.15 | 1336.28 | 50741.29 | Tonday |
| Mean | 65.51 | 121.02 | 130.01 | 90.69 | 93.13 | 127.63 | 653.63 | 178.68 | 59.32 | 58.47 | 35.22 | 43.11 | | Ton/day |
| Max | 87.87 | 323.08 | 408.14 | 245.20 | 421.94 | 638.00 | 1775.27 | 693.49 | 132.57 | 149.33 | 63.22 | 54.73 | 1775.27 | Ton/day |
| Min | 47.25 | 83.38 | 56.41 | 39.63 | 35.45 | 22.89 | 217.69 | 45.67 | 30.73 | 9.27 | 22.25 | 34.77 | 9.27 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Khai , Chaiyaphum (E.23)

Lat 15 - 40 - 49 N Long 102 - 00 - 46 E

**Location : on left bank at the bridge on highway.**

**Ban** Khai **Amphoe** Mueang **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 6,282 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.8850 |
| **Remarks** | Continued Sediment Station |

$$QS = 8.2786\ QW^{1.18440}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34.29 | 65.05 | 61.01 | 936.93 | 586.59 | 2004.29 | 4046.44 | 1060.99 | 69.12 | 41.50 | 23.58 | 15.52 | | |
| 2 | 34.29 | 57.02 | 113.94 | 638.33 | 749.68 | 2143.31 | 4310.00 | 875.82 | 61.01 | 40.24 | 22.55 | 16.50 | | |
| 3 | 34.29 | 53.07 | 155.54 | 219.23 | 1428.83 | 2358.02 | 4934.65 | 767.51 | 59.01 | 37.74 | 19.49 | 18.48 | | |
| 4 | 34.29 | 53.07 | 100.79 | 96.46 | 1650.00 | 2583.01 | 5539.48 | 626.77 | 63.02 | 38.99 | 15.52 | 19.49 | | |
| 5 | 34.29 | 49.16 | 73.23 | 81.56 | 1299.68 | 2712.98 | 6152.04 | 520.58 | 59.01 | 40.24 | 15.52 | 20.50 | | |
| 6 | 34.29 | 41.50 | 77.38 | 83.67 | 609.50 | 2925.64 | 7149.14 | 392.51 | 57.02 | 37.74 | 13.28 | 29.93 | | |
| 7 | 34.29 | 40.24 | 63.02 | 116.15 | 313.40 | 3161.75 | 7942.34 | 303.07 | 57.02 | 34.29 | 11.81 | 36.50 | | |
| 8 | 35.40 | 38.99 | 59.01 | 396.98 | 215.96 | 3288.33 | 8335.07 | 262.30 | 59.01 | 32.10 | 9.67 | 35.40 | | |
| 9 | 35.40 | 37.74 | 53.07 | 437.60 | 158.64 | 3309.50 | 9038.73 | 152.45 | 59.01 | 32.10 | 7.31 | 29.93 | | |
| 10 | 34.29 | 36.50 | 45.30 | 180.60 | 140.18 | 3246.05 | 9751.04 | 75.30 | 59.01 | 31.01 | 4.97 | 24.62 | | |
| 11 | 34.29 | 33.19 | 38.99 | 212.71 | 109.53 | 3376.89 | 9990.32 | 81.56 | 57.02 | 31.01 | 4.52 | 21.52 | | |
| 12 | 35.40 | 35.40 | 34.29 | 615.25 | 134.11 | 3477.11 | 9751.04 | 111.73 | 57.02 | 29.93 | 3.30 | 19.49 | | |
| 13 | 34.29 | 42.76 | 36.50 | 1142.88 | 152.45 | 3638.39 | 9512.67 | 105.14 | 55.04 | 29.93 | 2.47 | 19.49 | | |
| 14 | 35.40 | 49.16 | 37.74 | 1307.23 | 111.73 | 4002.77 | 9512.67 | 102.96 | 51.11 | 26.73 | 1.76 | 19.49 | | |
| 15 | 35.40 | 47.87 | 34.29 | 998.66 | 96.46 | 4754.85 | 9275.23 | 98.62 | 46.58 | 26.73 | 1.16 | 18.48 | | |
| 16 | 35.40 | 45.30 | 29.93 | 455.84 | 96.46 | 5905.82 | 9275.23 | 96.46 | 46.58 | 26.73 | 0.48 | 18.48 | | |
| 17 | 35.40 | 44.03 | 19.49 | 327.26 | 272.40 | 6399.80 | 8803.19 | 94.31 | 46.58 | 28.86 | 0.00 | 18.48 | | |
| 18 | 35.40 | 38.99 | 25.67 | 379.14 | 827.41 | 6524.25 | 7942.34 | 94.31 | 47.87 | 28.86 | 0.30 | 18.48 | | |
| 19 | 36.50 | 40.24 | 47.87 | 414.96 | 998.66 | 6524.25 | 6835.58 | 90.03 | 42.76 | 28.86 | 3.13 | 19.49 | | |
| 20 | 44.03 | 40.24 | 47.87 | 779.44 | 520.58 | 6524.25 | 5661.18 | 90.03 | 41.50 | 28.86 | 6.83 | 21.52 | | |
| 21 | 51.11 | 40.24 | 47.87 | 1067.25 | 229.06 | 6679.63 | 4844.62 | 87.90 | 41.50 | 27.79 | 6.83 | 21.52 | | |
| 22 | 61.01 | 47.87 | 47.87 | 1239.58 | 161.75 | 6992.09 | 4177.89 | 87.90 | 40.24 | 27.79 | 5.89 | 21.52 | | |
| 23 | 65.05 | 63.02 | 47.87 | 785.41 | 289.38 | 7464.86 | 3673.82 | 85.78 | 41.50 | 27.79 | 13.28 | 20.50 | | |
| 24 | 69.12 | 71.17 | 49.16 | 383.59 | 501.95 | 7464.86 | 3309.50 | 87.90 | 41.50 | 27.79 | 15.52 | 20.50 | | |
| 25 | 65.05 | 71.17 | 49.16 | 152.45 | 313.40 | 6992.09 | 3051.95 | 94.31 | 40.24 | 28.86 | 15.52 | 20.50 | | |
| 26 | 61.01 | 77.38 | 49.16 | 79.47 | 164.87 | 6152.04 | 2676.78 | 87.90 | 40.24 | 28.86 | 14.02 | 19.49 | | |
| 27 | 59.01 | 71.17 | 61.01 | 215.96 | 282.57 | 5539.48 | 2283.74 | 79.47 | 40.24 | 27.79 | 15.52 | 19.49 | | |
| 28 | 53.07 | 63.02 | 215.96 | 720.11 | 1157.67 | 5115.49 | 2031.98 | 79.47 | 40.24 | 26.73 | 8.97 | 19.49 | | |
| 29 | 57.02 | 67.08 | 621.01 | 1444.15 | 1739.81 | 4354.17 | 1748.83 | 71.17 | 41.50 | 26.73 | | 18.48 | | |
| 30 | 61.01 | 73.23 | 1086.08 | 1405.90 | 1894.15 | 4221.86 | 1474.86 | 69.12 | 42.76 | 25.67 | | 19.49 | | |
| 31 | | 69.12 | | 924.65 | 1939.92 | | 1247.07 | | 42.76 | 24.62 | | 19.49 | | |
| Total | 1309.09 | 1603.99 | 3430.08 | 18239.40 | 19146.78 | 139837.83 | 184279.42 | 6833.37 | 1547.02 | 952.87 | 263.20 | 662.26 | 378105.31 | Tonday |
| Mean | 43.64 | 51.74 | 114.34 | 588.37 | 617.64 | 4661.26 | 5944.50 | 227.78 | 49.90 | 30.74 | 9.40 | 21.36 | | Ton/day |
| Max | 69.12 | 77.38 | 1086.08 | 1444.15 | 1939.92 | 7464.86 | 9990.32 | 1060.99 | 69.12 | 41.50 | 23.58 | 36.50 | 9990.32 | Ton/day |
| Min | 34.29 | 33.19 | 19.49 | 79.47 | 96.46 | 2004.29 | 1247.07 | 69.12 | 40.24 | 24.62 | 0.00 | 15.52 | 0.00 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Muang Lat , Roi Et (E.66A)

Lat 16 - 12 - 08 N Long 103 - 31 - 41 E

**Location : on right bank at the bridge.**

**Ban** Muang Lat **Amphoe** Chang Han **Changwat** Roi Et

| | |
|---|---|
| **Drainge Area** | 31,879 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont'd |
| **Actual Measurement** | 2004-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 18 |
| **R-Square** | 0.9189 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.5381\ QW^{1.15850}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 80.26 | 173.57 | 210.37 | 624.75 | 604.00 | 1661.94 | 2744.36 | 6146.12 | 169.39 | 111.13 | 9.29 | 95.53 | | |
| 2 | 90.40 | 162.45 | 283.60 | 591.59 | 897.16 | 2277.93 | 2917.44 | 6146.12 | 132.42 | 105.90 | 2.89 | 129.73 | | |
| 3 | 87.85 | 151.43 | 505.79 | 469.60 | 1518.44 | 2505.84 | 3199.46 | 6146.12 | 113.77 | 72.77 | 3.21 | 169.39 | | |
| 4 | 85.31 | 137.81 | 398.38 | 386.67 | 1524.64 | 2383.92 | 3540.56 | 6146.12 | 95.53 | 46.27 | 6.10 | 148.69 | | |
| 5 | 82.78 | 137.81 | 287.34 | 575.11 | 1372.33 | 1960.40 | 3936.57 | 6146.12 | 105.90 | 48.61 | 6.54 | 156.93 | | |
| 6 | 82.78 | 113.11 | 224.77 | 759.27 | 1316.90 | 1481.30 | 4480.29 | 6091.56 | 90.40 | 60.53 | 5.22 | 113.77 | | |
| 7 | 82.78 | 82.15 | 159.69 | 763.97 | 1082.28 | 1136.27 | 5008.53 | 6009.84 | 87.85 | 67.84 | 4.79 | 87.85 | | |
| 8 | 90.40 | 64.17 | 50.96 | 745.19 | 689.24 | 863.59 | 5347.62 | 5874.09 | 55.72 | 87.85 | 8.36 | 67.84 | | |
| 9 | 95.53 | 46.27 | 23.89 | 616.43 | 608.14 | 679.98 | 5665.15 | 5751.06 | 50.96 | 82.78 | 14.60 | 72.77 | | |
| 10 | 85.31 | 27.11 | 30.39 | 363.40 | 558.69 | 745.19 | 6009.84 | 5591.65 | 31.49 | 62.95 | 24.96 | 67.84 | | |
| 11 | 98.11 | 21.78 | 49.79 | 135.11 | 493.69 | 782.82 | 6310.21 | 5286.84 | 16.11 | 67.84 | 41.64 | 60.53 | | |
| 12 | 85.31 | 17.63 | 30.39 | 97.46 | 473.61 | 792.26 | 6488.63 | 4876.16 | 22.83 | 75.26 | 53.33 | 58.12 | | |
| 13 | 77.76 | 14.60 | 12.15 | 105.24 | 325.06 | 792.26 | 6587.28 | 4109.92 | 18.66 | 67.84 | 53.33 | 67.84 | | |
| 14 | 75.26 | 12.63 | 7.90 | 132.42 | 216.12 | 763.97 | 6647.03 | 3071.66 | 20.73 | 55.72 | 46.27 | 80.26 | | |
| 15 | 80.26 | 12.15 | 2.93 | 95.53 | 181.98 | 735.83 | 6661.98 | 2202.64 | 15.60 | 46.27 | 41.64 | 95.53 | | |
| 16 | 77.76 | 12.63 | 1.26 | 70.92 | 336.50 | 717.14 | 6676.93 | 1655.66 | 13.61 | 43.95 | 41.64 | 100.69 | | |
| 17 | 67.84 | 10.70 | 1.58 | 82.15 | 501.75 | 754.58 | 6661.98 | 1278.28 | 16.61 | 53.33 | 58.12 | 90.40 | | |
| 18 | 43.95 | 11.66 | 2.93 | 74.64 | 517.93 | 854.03 | 6617.14 | 1017.97 | 17.63 | 75.26 | 80.26 | 75.26 | | |
| 19 | 53.33 | 20.73 | 8.36 | 204.65 | 461.61 | 1087.66 | 6529.90 | 877.95 | 18.66 | 119.05 | 70.30 | 67.84 | | |
| 20 | 48.61 | 28.20 | 34.83 | 245.15 | 367.27 | 1333.49 | 6461.14 | 782.82 | 15.60 | 135.11 | 55.72 | 72.77 | | |
| 21 | 41.64 | 33.71 | 95.53 | 236.39 | 265.76 | 1481.30 | 6392.47 | 643.08 | 53.33 | 140.52 | 58.12 | 62.95 | | |
| 22 | 38.22 | 34.83 | 117.07 | 204.65 | 325.06 | 1383.45 | 6337.62 | 513.88 | 105.90 | 201.79 | 55.72 | 70.30 | | |
| 23 | 26.03 | 34.83 | 113.11 | 184.79 | 505.79 | 1499.86 | 6296.51 | 469.60 | 165.22 | 201.79 | 43.95 | 100.69 | | |
| 24 | 15.60 | 26.03 | 107.20 | 184.79 | 620.59 | 1655.66 | 6269.13 | 402.30 | 161.07 | 119.05 | 39.35 | 92.96 | | |
| 25 | 21.78 | 6.54 | 87.85 | 242.22 | 629.32 | 1902.73 | 6228.09 | 283.60 | 127.05 | 80.26 | 48.61 | 67.84 | | |
| 26 | 27.11 | 7.44 | 170.78 | 517.93 | 591.59 | 2217.67 | 6200.75 | 313.68 | 152.80 | 58.12 | 46.27 | 77.76 | | |
| 27 | 48.61 | 6.99 | 168.00 | 624.75 | 647.68 | 2330.85 | 6200.75 | 298.59 | 161.07 | 46.27 | 53.33 | 137.81 | | |
| 28 | 62.95 | 17.63 | 156.93 | 643.08 | 830.20 | 2429.54 | 6200.75 | 230.57 | 196.81 | 34.83 | 92.96 | 119.05 | | |
| 29 | 75.26 | 40.50 | 159.69 | 656.89 | 1076.90 | 2513.49 | 6214.42 | 116.41 | 242.22 | 24.96 | | 103.29 | | |
| 30 | 82.78 | 47.44 | 437.75 | 441.72 | 1060.79 | 2613.19 | 6214.42 | 92.96 | 232.02 | 17.12 | | 113.77 | | |
| 31 | | 154.18 | | 481.63 | 1206.99 | | 6173.43 | | 144.60 | 11.18 | | 77.76 | | |
| Total | 2011.57 | 1668.71 | 3941.21 | 11558.09 | 21808.01 | 44338.14 | 177220.38 | 88573.37 | 2851.56 | 2422.15 | 1066.52 | 2903.76 | 360363.47 | Tonday |
| Mean | 67.05 | 53.83 | 131.37 | 372.84 | 703.48 | 1477.94 | 5716.79 | 2952.45 | 91.99 | 78.13 | 38.09 | 93.67 | | Ton/day |
| Max | 98.11 | 173.57 | 505.79 | 763.97 | 1524.64 | 2613.19 | 6676.93 | 6146.12 | 242.22 | 201.79 | 92.96 | 169.39 | 6676.93 | Ton/day |
| Min | 15.60 | 6.54 | 1.26 | 70.92 | 181.98 | 679.98 | 2744.36 | 92.96 | 13.61 | 11.18 | 2.89 | 58.12 | 1.26 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Phaniang at Ban Khong Po , Nong Bua Lamphu (E.68A)

Lat 17 - 04 - 47 N Long 102 - 27 - 11 E

**Location : on left bank at the bridge of Nong Bua Lamphu - Amphoe Non Sang Highway.**

**Ban** Khong Po **Amphoe** Mueang **Changwat** Nong Bua Lamphu

| | |
|---|---|
| **Drainge Area** | 1,364 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1999-2006 |
| **Number of observation** | 119 |
| **R-Square** | 0.8555 |
| **Remarks** | Continued Sediment Station |

$$QS = 6.9554\ QW^{1.02540}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 41.44 | 56.41 | 44.80 | 34.74 | 443.29 | 658.24 | 48.16 | 12.71 | 8.39 | 0.00 | 0.00 | | |
| 2 | 0.00 | 71.48 | 53.78 | 40.69 | 20.72 | 495.54 | 725.78 | 41.44 | 12.71 | 8.39 | 0.00 | 0.00 | | |
| 3 | 0.00 | 159.35 | 76.01 | 34.74 | 25.13 | 482.86 | 710.18 | 42.18 | 12.71 | 8.39 | 0.00 | 0.00 | | |
| 4 | 0.00 | 163.97 | 111.00 | 34.74 | 25.87 | 478.90 | 679.00 | 42.18 | 12.71 | 7.67 | 0.00 | 0.00 | | |
| 5 | 0.00 | 83.59 | 94.60 | 34.00 | 25.13 | 486.82 | 668.62 | 40.69 | 12.71 | 7.67 | 0.00 | 0.00 | | |
| 6 | 0.00 | 50.41 | 48.16 | 32.52 | 22.92 | 443.29 | 699.78 | 39.20 | 12.71 | 7.67 | 0.00 | 0.00 | | |
| 7 | 0.00 | 42.93 | 36.23 | 29.56 | 19.99 | 280.51 | 720.58 | 35.49 | 12.71 | 6.96 | 0.00 | 0.00 | | |
| 8 | 0.00 | 34.74 | 27.34 | 27.34 | 20.72 | 113.29 | 783.45 | 34.00 | 12.71 | 6.96 | 0.00 | 0.00 | | |
| 9 | 0.00 | 35.49 | 20.72 | 23.66 | 22.19 | 72.99 | 891.86 | 32.52 | 11.98 | 6.24 | 0.00 | 0.00 | | |
| 10 | 0.00 | 34.00 | 18.53 | 19.99 | 24.39 | 49.28 | 1237.59 | 30.30 | 11.98 | 6.24 | 0.00 | 0.00 | | |
| 11 | 0.00 | 28.82 | 16.34 | 17.80 | 25.13 | 68.45 | 1588.21 | 29.56 | 12.71 | 6.24 | 0.00 | 0.00 | | |
| 12 | 0.00 | 22.19 | 14.88 | 16.34 | 22.19 | 82.07 | 1764.68 | 27.34 | 12.71 | 6.24 | 0.00 | 0.00 | | |
| 13 | 0.00 | 23.66 | 13.43 | 14.16 | 20.72 | 87.00 | 1764.68 | 25.87 | 11.98 | 6.24 | 0.00 | 0.00 | | |
| 14 | 0.00 | 36.23 | 15.61 | 12.71 | 19.99 | 100.32 | 1440.70 | 24.39 | 11.98 | 6.24 | 0.00 | 0.00 | | |
| 15 | 0.00 | 32.52 | 18.53 | 11.98 | 19.99 | 92.70 | 1169.52 | 22.92 | 11.98 | 5.53 | 0.00 | 0.00 | | |
| 16 | 0.00 | 25.13 | 17.80 | 11.26 | 18.53 | 79.04 | 1004.64 | 21.46 | 11.26 | 5.53 | 0.00 | 0.00 | | |
| 17 | 0.00 | 19.99 | 15.61 | 10.54 | 17.80 | 65.44 | 819.55 | 20.72 | 11.26 | 5.53 | 0.00 | 0.00 | | |
| 18 | 0.00 | 17.80 | 14.88 | 9.82 | 17.80 | 57.91 | 588.48 | 20.72 | 10.54 | 5.53 | 0.00 | 0.00 | | |
| 19 | 0.00 | 14.88 | 14.88 | 11.26 | 19.26 | 94.60 | 386.46 | 19.99 | 9.82 | 5.53 | 0.00 | 0.00 | | |
| 20 | 0.00 | 14.88 | 15.61 | 12.71 | 27.34 | 177.87 | 264.89 | 19.99 | 9.82 | 5.53 | 0.00 | 0.00 | | |
| 21 | 0.00 | 17.07 | 16.34 | 19.26 | 34.00 | 246.17 | 184.83 | 18.53 | 9.10 | 5.53 | 0.00 | 0.00 | | |
| 22 | 0.00 | 30.30 | 22.92 | 20.72 | 44.80 | 302.41 | 102.22 | 17.07 | 9.10 | 4.82 | 0.00 | 0.00 | | |
| 23 | 0.00 | 60.92 | 42.18 | 20.72 | 47.04 | 318.08 | 80.56 | 16.34 | 9.10 | 4.82 | 0.00 | 0.00 | | |
| 24 | 0.00 | 122.47 | 40.69 | 23.66 | 45.92 | 390.01 | 71.48 | 15.61 | 9.10 | 4.82 | 0.00 | 0.00 | | |
| 25 | 0.00 | 184.83 | 42.18 | 25.87 | 43.68 | 447.24 | 59.41 | 14.88 | 9.10 | 4.82 | 0.00 | 0.00 | | |
| 26 | 0.00 | 217.39 | 53.78 | 27.34 | 79.04 | 400.65 | 52.65 | 14.88 | 9.10 | 4.12 | 0.00 | 0.00 | | |
| 27 | 0.00 | 246.17 | 74.50 | 25.87 | 98.41 | 321.22 | 51.53 | 13.43 | 9.10 | 4.12 | 0.00 | 0.00 | | |
| 28 | 0.00 | 268.01 | 76.01 | 23.66 | 166.29 | 302.41 | 48.16 | 13.43 | 9.10 | 3.42 | 0.00 | 0.00 | | |
| 29 | 0.00 | 217.39 | 57.91 | 22.19 | 231.38 | 324.36 | 45.92 | 12.71 | 8.39 | 3.42 | | 0.00 | | |
| 30 | 0.00 | 102.22 | 50.41 | 19.26 | 268.01 | 411.70 | 38.46 | 12.71 | 8.39 | 2.02 | | 0.00 | | |
| 31 | | 57.91 | | 18.53 | 327.49 | | 44.80 | | 8.39 | 2.02 | | 0.00 | | |
| Total | 0.00 | 2478.18 | 1177.27 | 697.70 | 1836.61 | 7716.42 | 19346.91 | 768.71 | 337.67 | 176.65 | 0.00 | 0.00 | 34536.12 | Tonday |
| Mean | 0.00 | 79.94 | 39.24 | 22.51 | 59.25 | 257.21 | 624.09 | 25.62 | 10.89 | 5.70 | 0.00 | 0.00 | | Ton/day |
| Max | 0.00 | 268.01 | 111.00 | 44.80 | 327.49 | 495.54 | 1764.68 | 48.16 | 12.71 | 8.39 | 0.00 | 0.00 | 1764.68 | Ton/day |
| Min | 0.00 | 14.88 | 13.43 | 9.82 | 17.80 | 49.28 | 38.46 | 12.71 | 8.39 | 2.02 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Saphung at Ban Na Charoen , Chaiyaphum (E.83)

Lat 16 - 09 - 21 N Long 101 - 39 - 13 E

**Location : on left bank at Ban Na Charoen.**

**Ban** Na Charoen **Amphoe** Nong Bua Daeng **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 744 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont'd |
| **Actual Measurement** | 2004-Cont'd |
| **Using Rating Curve Water Year** | 2004-2006 |
| **Number of observation** | 48 |
| **R-Square** | 0.8100 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.2862\ QW^{1.15670}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.27 | 2.39 | 8.70 | 7.41 | 40.55 | 425.51 | 154.46 | 39.27 | 7.54 | 2.47 | 1.20 | 0.69 | | |
| 2 | 1.41 | 2.32 | 7.67 | 9.92 | 42.48 | 306.76 | 264.17 | 37.68 | 7.28 | 2.47 | 1.14 | 0.69 | | |
| 3 | 2.03 | 2.25 | 15.39 | 9.22 | 40.23 | 164.75 | 533.06 | 34.84 | 6.90 | 2.39 | 1.07 | 0.69 | | |
| 4 | 2.25 | 2.10 | 19.44 | 8.70 | 34.21 | 158.95 | 856.92 | 32.34 | 6.53 | 2.32 | 1.01 | 0.63 | | |
| 5 | 1.96 | 1.89 | 10.37 | 8.05 | 29.56 | 178.92 | 1075.47 | 30.79 | 6.28 | 2.32 | 0.94 | 0.63 | | |
| 6 | 1.68 | 1.82 | 8.18 | 8.18 | 25.61 | 155.74 | 947.20 | 28.95 | 6.03 | 2.25 | 0.88 | 0.57 | | |
| 7 | 1.41 | 1.82 | 5.91 | 8.44 | 22.62 | 131.65 | 738.56 | 26.51 | 5.91 | 2.25 | 0.82 | 0.57 | | |
| 8 | 1.34 | 1.89 | 4.33 | 8.70 | 19.93 | 114.27 | 563.93 | 24.70 | 5.54 | 2.10 | 0.82 | 0.57 | | |
| 9 | 1.27 | 2.54 | 3.75 | 11.71 | 18.72 | 117.96 | 555.08 | 22.91 | 5.29 | 2.10 | 0.75 | 0.57 | | |
| 10 | 1.20 | 2.83 | 3.86 | 35.47 | 18.72 | 344.37 | 666.93 | 21.14 | 5.17 | 2.10 | 0.69 | 0.51 | | |
| 11 | 1.61 | 2.39 | 3.75 | 52.30 | 16.33 | 892.89 | 732.70 | 19.93 | 4.93 | 2.03 | 0.69 | 0.51 | | |
| 12 | 2.03 | 2.18 | 3.52 | 37.68 | 16.10 | 619.62 | 493.73 | 18.48 | 4.57 | 2.03 | 0.69 | 0.51 | | |
| 13 | 1.41 | 2.03 | 3.29 | 26.21 | 15.39 | 354.38 | 314.57 | 18.00 | 4.21 | 1.96 | 0.69 | 0.45 | | |
| 14 | 1.54 | 1.96 | 3.13 | 19.44 | 19.20 | 207.43 | 222.23 | 16.81 | 3.86 | 1.96 | 0.69 | 0.45 | | |
| 15 | 1.68 | 1.89 | 2.61 | 18.96 | 38.32 | 200.25 | 180.49 | 15.86 | 3.75 | 1.89 | 0.69 | 0.45 | | |
| 16 | 1.47 | 1.89 | 2.32 | 21.73 | 80.02 | 318.80 | 164.11 | 14.93 | 3.63 | 1.89 | 0.63 | 0.45 | | |
| 17 | 1.34 | 1.96 | 2.18 | 25.30 | 56.64 | 395.69 | 152.54 | 14.23 | 3.52 | 1.89 | 0.63 | 0.45 | | |
| 18 | 1.27 | 1.89 | 2.10 | 42.81 | 38.64 | 347.23 | 134.79 | 13.53 | 3.40 | 1.82 | 0.63 | 0.45 | | |
| 19 | 1.41 | 1.82 | 2.03 | 58.43 | 32.03 | 281.81 | 117.96 | 12.85 | 3.29 | 1.75 | 0.63 | 0.45 | | |
| 20 | 1.96 | 1.75 | 2.10 | 57.54 | 31.41 | 235.40 | 105.71 | 11.94 | 3.21 | 1.75 | 0.63 | 0.57 | | |
| 21 | 1.89 | 2.10 | 2.18 | 45.07 | 27.73 | 213.51 | 94.24 | 11.26 | 3.06 | 1.68 | 0.57 | 0.57 | | |
| 22 | 2.03 | 2.39 | 2.18 | 35.16 | 25.30 | 194.69 | 84.72 | 11.71 | 2.98 | 1.68 | 0.57 | 0.51 | | |
| 23 | 2.18 | 3.63 | 2.61 | 26.81 | 22.62 | 171.88 | 75.93 | 16.81 | 2.91 | 1.61 | 0.57 | 0.51 | | |
| 24 | 2.18 | 3.40 | 3.21 | 28.03 | 22.32 | 142.36 | 70.26 | 13.77 | 2.83 | 1.61 | 0.57 | 0.45 | | |
| 25 | 2.54 | 4.93 | 4.45 | 50.65 | 22.62 | 126.65 | 65.22 | 12.39 | 2.76 | 1.54 | 0.57 | 0.45 | | |
| 26 | 2.54 | 7.54 | 12.39 | 138.57 | 44.42 | 137.94 | 59.33 | 10.59 | 2.69 | 1.47 | 0.63 | 0.39 | | |
| 27 | 2.47 | 6.90 | 20.17 | 114.27 | 168.77 | 157.03 | 54.85 | 9.09 | 2.61 | 1.47 | 0.69 | 0.34 | | |
| 28 | 2.39 | 6.03 | 49.33 | 82.95 | 100.86 | 141.73 | 50.65 | 8.70 | 2.61 | 1.41 | 0.75 | 0.34 | | |
| 29 | 2.54 | 5.66 | 12.16 | 60.23 | 81.78 | 139.83 | 46.70 | 8.31 | 2.54 | 1.34 | | 0.34 | | |
| 30 | 2.69 | 5.05 | 6.15 | 51.31 | 185.20 | 182.06 | 43.13 | 7.92 | 2.54 | 1.27 | | 0.34 | | |
| 31 | | 4.57 | | 44.10 | 459.19 | | 40.55 | | 2.54 | 1.27 | | 0.34 | | |
| Total | 54.99 | 93.81 | 229.46 | 1153.35 | 1797.52 | 7560.06 | 9660.19 | 566.24 | 130.91 | 58.09 | 20.84 | 15.44 | 21340.90 | Tonday |
| Mean | 1.83 | 3.03 | 7.65 | 37.20 | 57.98 | 252.00 | 311.62 | 18.87 | 4.22 | 1.87 | 0.74 | 0.50 | | Ton/day |
| Max | 2.69 | 7.54 | 49.33 | 138.57 | 459.19 | 892.89 | 1075.47 | 39.27 | 7.54 | 2.47 | 1.20 | 0.69 | 1075.47 | Ton/day |
| Min | 1.20 | 1.75 | 2.03 | 7.41 | 15.39 | 114.27 | 40.55 | 7.92 | 2.54 | 1.27 | 0.57 | 0.34 | 0.34 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Nang Dad Khok , Chaiyaphum (E.84)

Lat 16 - 09 - 08 N Long 101 - 35 - 07 E

**Location : on left bank at Ban Nang Dad Khok.**

**Ban** Nang Dad Khok **Amphoe** Nong Bua Daeng **Changwat** Chaiyaphum

| | |
|---|---|
| **Drainge Area** | 508 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont'd |
| **Actual Measurement** | 2004-Cont'd |
| **Using Rating Curve Water Year** | 2004-2006 |
| **Number of observation** | 48 |
| **R-Square** | 0.8872 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.8561\ QW^{1.72310}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.58 | 11.01 | 10.61 | 8.63 | 36.12 | 2152.94 | 541.50 | 33.93 | 7.91 | 3.65 | 2.19 | 2.58 | | |
| 2 | 1.52 | 6.56 | 15.76 | 11.49 | 43.05 | 1330.07 | 604.23 | 29.72 | 7.22 | 3.65 | 2.19 | 2.58 | | |
| 3 | 1.10 | 4.44 | 19.11 | 9.00 | 32.85 | 395.26 | 783.73 | 26.71 | 6.89 | 3.65 | 2.19 | 2.19 | | |
| 4 | 1.10 | 2.76 | 19.11 | 8.63 | 24.78 | 231.30 | 1971.54 | 24.78 | 6.89 | 3.44 | 2.19 | 1.82 | | |
| 5 | 1.24 | 3.19 | 11.49 | 8.27 | 16.31 | 140.16 | 1667.19 | 22.92 | 6.56 | 3.44 | 2.19 | 1.82 | | |
| 6 | 1.24 | 3.19 | 6.89 | 7.91 | 12.82 | 99.80 | 1629.08 | 20.23 | 6.56 | 3.44 | 2.19 | 1.67 | | |
| 7 | 1.24 | 2.58 | 4.73 | 10.15 | 10.61 | 71.16 | 1591.34 | 19.11 | 6.23 | 2.99 | 2.19 | 1.67 | | |
| 8 | 1.24 | 2.58 | 3.91 | 13.77 | 8.63 | 83.39 | 1163.11 | 17.94 | 6.23 | 2.99 | 2.19 | 1.67 | | |
| 9 | 1.37 | 2.76 | 3.65 | 14.75 | 7.91 | 264.97 | 1144.09 | 17.44 | 5.92 | 2.99 | 2.19 | 1.67 | | |
| 10 | 1.37 | 3.19 | 4.44 | 98.11 | 7.22 | 510.72 | 1516.97 | 15.76 | 5.61 | 2.99 | 2.19 | 1.67 | | |
| 11 | 1.24 | 3.65 | 4.44 | 409.01 | 6.89 | 1032.74 | 1616.46 | 15.29 | 5.61 | 2.99 | 2.02 | 1.67 | | |
| 12 | 1.24 | 4.17 | 4.17 | 186.10 | 6.56 | 698.45 | 1115.81 | 14.75 | 5.31 | 2.99 | 2.02 | 1.67 | | |
| 13 | 1.10 | 2.99 | 3.65 | 61.14 | 6.56 | 441.86 | 684.64 | 13.33 | 5.01 | 2.99 | 2.02 | 1.67 | | |
| 14 | 0.98 | 2.58 | 3.19 | 40.68 | 6.56 | 300.54 | 475.76 | 12.82 | 5.01 | 2.99 | 2.02 | 1.82 | | |
| 15 | 2.02 | 2.76 | 2.58 | 38.38 | 14.30 | 531.15 | 368.35 | 12.39 | 4.73 | 2.99 | 2.02 | 1.67 | | |
| 16 | 1.67 | 2.58 | 2.58 | 40.68 | 148.10 | 1041.84 | 284.50 | 11.90 | 4.73 | 2.76 | 2.02 | 1.67 | | |
| 17 | 1.52 | 2.19 | 2.99 | 35.02 | 78.71 | 1153.59 | 206.45 | 11.49 | 4.44 | 2.58 | 1.82 | 1.67 | | |
| 18 | 1.24 | 2.19 | 2.76 | 46.70 | 25.74 | 805.70 | 163.49 | 11.01 | 4.17 | 2.58 | 1.82 | 1.67 | | |
| 19 | 1.52 | 2.58 | 4.17 | 122.96 | 17.94 | 747.70 | 138.20 | 10.61 | 3.91 | 2.58 | 1.82 | 1.52 | | |
| 20 | 1.67 | 3.65 | 3.19 | 136.25 | 23.84 | 664.14 | 115.62 | 10.15 | 3.65 | 2.40 | 1.82 | 1.52 | | |
| 21 | 3.19 | 3.19 | 3.65 | 69.69 | 21.11 | 342.25 | 104.97 | 13.33 | 3.65 | 2.40 | 1.67 | 1.52 | | |
| 22 | 7.56 | 4.44 | 3.44 | 39.52 | 17.44 | 242.31 | 89.81 | 19.11 | 3.65 | 2.40 | 1.67 | 1.37 | | |
| 23 | 14.75 | 21.11 | 3.65 | 27.70 | 16.87 | 390.72 | 75.65 | 12.39 | 3.65 | 2.40 | 1.67 | 1.37 | | |
| 24 | 8.63 | 31.79 | 4.73 | 15.76 | 14.75 | 209.93 | 68.24 | 10.15 | 3.65 | 2.40 | 1.67 | 1.24 | | |
| 25 | 12.82 | 14.30 | 16.31 | 20.23 | 17.44 | 132.40 | 62.53 | 9.76 | 3.65 | 2.40 | 1.67 | 1.24 | | |
| 26 | 19.62 | 19.11 | 20.23 | 413.64 | 253.54 | 126.70 | 55.70 | 9.76 | 3.65 | 2.40 | 1.82 | 1.24 | | |
| 27 | 11.49 | 17.94 | 103.23 | 637.22 | 505.66 | 192.79 | 50.48 | 9.38 | 3.65 | 2.40 | 2.02 | 1.24 | | |
| 28 | 12.82 | 22.01 | 66.79 | 115.62 | 308.70 | 296.50 | 45.47 | 9.00 | 3.65 | 2.40 | 2.19 | 1.24 | | |
| 29 | 10.61 | 9.38 | 4.17 | 50.48 | 96.42 | 238.62 | 41.86 | 9.00 | 3.65 | 2.40 | | 1.24 | | |
| 30 | 6.89 | 5.61 | 2.99 | 29.72 | 148.10 | 261.14 | 39.52 | 8.63 | 3.65 | 2.19 | | 1.24 | | |
| 31 | | 4.73 | | 22.01 | 1260.19 | | 38.38 | | 3.65 | 2.19 | | 1.37 | | |
| Total | 136.58 | 225.21 | 362.61 | 2749.22 | 3195.72 | 15130.84 | 18454.67 | 462.79 | 152.74 | 87.06 | 55.68 | 50.20 | 41063.32 | Tonday |
| Mean | 4.55 | 7.26 | 12.09 | 88.68 | 103.09 | 504.36 | 595.31 | 15.43 | 4.93 | 2.81 | 1.99 | 1.62 | | Ton/day |
| Max | 19.62 | 31.79 | 103.23 | 637.22 | 1260.19 | 2152.94 | 1971.54 | 33.93 | 7.91 | 3.65 | 2.19 | 2.58 | 2152.94 | Ton/day |
| Min | 0.98 | 2.19 | 2.58 | 7.91 | 6.56 | 71.16 | 38.38 | 8.63 | 3.65 | 2.19 | 1.67 | 1.24 | 0.98 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Lam Nam Choen at Ban Non Han , Khon Kaen (E.85)

Lat 16 - 35 - 28 N Long 101 - 59 - 02 E

**Location : on left bank at Ban Non Han.**

**Ban** Non Han **Amphoe** Chum Pae **Changwat** Khon Kaen

| | |
|---|---|
| **Drainge Area** | 1,218 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont'd |
| **Actual Measurement** | 2005-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 15 |
| **R-Square** | 0.8621 |
| **Remarks** | Continued Sediment Station |

$$QS = 8.2954\ QW^{1.32520}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 43.64 | 321.59 | 58.21 | 52.43 | 23.30 | 401.48 | 591.35 | 183.58 | 23.87 | 20.51 | 28.53 | 31.55 | | |
| 2 | 39.07 | 358.77 | 58.21 | 40.36 | 21.62 | 383.36 | 622.24 | 153.44 | 22.17 | 15.72 | 23.30 | 24.44 | | |
| 3 | 34.63 | 352.14 | 44.30 | 31.55 | 19.96 | 392.39 | 638.15 | 111.83 | 21.06 | 13.20 | 13.70 | 18.34 | | |
| 4 | 21.62 | 153.44 | 52.43 | 27.35 | 17.81 | 415.21 | 644.54 | 75.62 | 19.42 | 9.87 | 7.11 | 15.21 | | |
| 5 | 18.88 | 222.35 | 51.05 | 25.01 | 11.27 | 403.76 | 634.96 | 55.91 | 19.42 | 5.97 | 5.57 | 10.33 | | |
| 6 | 16.76 | 234.51 | 44.96 | 21.62 | 7.43 | 376.61 | 634.96 | 47.64 | 21.62 | 4.22 | 4.98 | 7.11 | | |
| 7 | 16.24 | 212.07 | 35.89 | 21.06 | 2.46 | 374.37 | 631.78 | 39.71 | 24.44 | 4.40 | 4.78 | 6.17 | | |
| 8 | 17.81 | 195.19 | 32.16 | 23.87 | 0.00 | 381.10 | 619.07 | 33.39 | 27.94 | 5.17 | 4.78 | 5.37 | | |
| 9 | 17.28 | 181.94 | 26.17 | 32.16 | 14.20 | 385.61 | 609.59 | 32.77 | 26.76 | 4.40 | 4.59 | 4.59 | | |
| 10 | 13.70 | 180.30 | 22.74 | 55.91 | 133.54 | 392.39 | 619.07 | 32.16 | 24.44 | 4.03 | 4.03 | 4.03 | | |
| 11 | 6.79 | 345.53 | 26.17 | 53.12 | 124.48 | 436.30 | 625.42 | 30.94 | 21.62 | 4.03 | 3.67 | 8.74 | | |
| 12 | 5.37 | 310.84 | 26.76 | 49.68 | 100.73 | 505.59 | 625.42 | 30.33 | 18.88 | 4.22 | 2.63 | 13.70 | | |
| 13 | 8.08 | 283.33 | 22.74 | 24.44 | 62.68 | 519.20 | 615.91 | 29.73 | 16.24 | 4.03 | 1.83 | 13.20 | | |
| 14 | 19.42 | 257.49 | 32.77 | 21.06 | 41.66 | 374.37 | 603.29 | 30.94 | 14.20 | 4.03 | 1.25 | 7.11 | | |
| 15 | 56.61 | 203.59 | 41.01 | 17.28 | 61.78 | 293.84 | 580.10 | 33.39 | 11.74 | 4.22 | 0.20 | 3.49 | | |
| 16 | 67.23 | 138.78 | 51.74 | 18.88 | 60.88 | 271.89 | 574.50 | 30.94 | 10.33 | 5.17 | 43.64 | 5.57 | | |
| 17 | 32.16 | 77.52 | 83.28 | 21.62 | 99.51 | 293.84 | 557.77 | 28.53 | 10.80 | 10.33 | 123.20 | 19.96 | | |
| 18 | 39.07 | 37.15 | 119.38 | 18.88 | 82.31 | 345.53 | 417.51 | 27.35 | 13.70 | 61.78 | 116.85 | 20.51 | | |
| 19 | 67.23 | 39.07 | 108.10 | 17.28 | 69.08 | 505.59 | 277.34 | 25.01 | 17.28 | 111.83 | 106.86 | 21.06 | | |
| 20 | 100.73 | 40.36 | 94.69 | 16.76 | 59.99 | 519.20 | 264.66 | 22.17 | 19.96 | 99.51 | 64.49 | 19.96 | | |
| 21 | 175.40 | 32.77 | 62.68 | 17.81 | 53.12 | 532.90 | 224.08 | 25.01 | 22.17 | 93.49 | 33.39 | 16.76 | | |
| 22 | 123.20 | 42.32 | 44.30 | 23.30 | 52.43 | 511.03 | 165.71 | 23.30 | 23.87 | 86.39 | 31.55 | 15.72 | | |
| 23 | 127.05 | 78.47 | 43.64 | 30.33 | 49.00 | 486.69 | 104.40 | 23.30 | 21.62 | 73.74 | 29.73 | 15.72 | | |
| 24 | 144.07 | 169.85 | 36.52 | 36.52 | 38.43 | 441.54 | 78.47 | 21.62 | 22.17 | 51.74 | 27.94 | 18.34 | | |
| 25 | 160.23 | 273.70 | 44.30 | 46.97 | 34.63 | 387.87 | 59.99 | 23.87 | 22.74 | 24.44 | 26.17 | 18.88 | | |
| 26 | 175.40 | 383.36 | 63.58 | 42.32 | 86.39 | 412.91 | 51.74 | 23.30 | 23.30 | 30.33 | 25.01 | 16.76 | | |
| 27 | 190.20 | 394.66 | 190.20 | 23.30 | 218.91 | 473.30 | 50.36 | 23.30 | 23.87 | 33.39 | 25.59 | 15.21 | | |
| 28 | 224.08 | 478.65 | 234.51 | 27.94 | 325.91 | 532.90 | 49.00 | 22.17 | 24.44 | 34.01 | 27.35 | 15.72 | | |
| 29 | 338.96 | 354.35 | 212.07 | 19.96 | 104.40 | 557.77 | 69.08 | 22.17 | 23.87 | 34.63 | | 16.24 | | |
| 30 | 281.24 | 390.13 | 177.03 | 21.06 | 82.31 | 568.91 | 171.23 | 21.62 | 23.30 | 35.89 | | 17.28 | | |
| 31 | | 153.44 | | 21.06 | 225.81 | | 191.86 | | 22.74 | 35.26 | | 17.81 | | |
| Total | 2582.15 | 6897.66 | 2141.59 | 900.89 | 2286.03 | 12877.45 | 12603.55 | 1285.04 | 639.98 | 929.95 | 792.72 | 444.88 | 44381.89 | Tonday |
| Mean | 86.07 | 222.51 | 71.39 | 29.06 | 73.74 | 429.25 | 406.57 | 42.83 | 20.64 | 30.00 | 28.31 | 14.35 | | Ton/day |
| Max | 338.96 | 478.65 | 234.51 | 55.91 | 325.91 | 568.91 | 644.54 | 183.58 | 27.94 | 111.83 | 123.20 | 31.55 | 644.54 | Ton/day |
| Min | 5.37 | 32.77 | 22.74 | 16.76 | 0.00 | 271.89 | 49.00 | 21.62 | 10.33 | 4.03 | 0.20 | 3.49 | 0.00 | Ton/day |

# WATER YEAR : 2006

## CHI RIVER BASIN

### Chi River at Ban Kui Chuak , Maha Sarakham (E.91)

Lat 16 - 21 - 58 N Long 102 - 56 - 59 E

**Location : on left bank at Ban Kui Chuak.**

**Ban** Kui Chuak **Amphoe** Kosum Phisai **Changwat** Maha Sarakham

| | |
|---|---|
| **Drainge Area** | 29,265 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont'd |
| **Actual Measurement** | 2004-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9208 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.6767\ QW^{1.17500}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.40 | 41.08 | 757.74 | 689.44 | 1027.75 | 2538.29 | 3486.11 | 7576.57 | 474.71 | 101.20 | 133.02 | 235.72 | | |
| 2 | 37.40 | 44.82 | 650.04 | 689.44 | 1167.04 | 2834.01 | 3601.51 | 7538.62 | 392.11 | 121.30 | 180.58 | 235.72 | | |
| 3 | 39.23 | 42.95 | 459.60 | 740.58 | 1242.27 | 2572.18 | 4014.57 | 7399.73 | 335.59 | 87.20 | 157.66 | 235.72 | | |
| 4 | 46.71 | 54.37 | 425.66 | 956.15 | 1209.95 | 2086.31 | 4491.80 | 7148.20 | 294.11 | 81.69 | 188.32 | 205.12 | | |
| 5 | 54.37 | 60.22 | 289.55 | 1021.75 | 1100.09 | 1631.40 | 5061.78 | 6867.46 | 289.55 | 92.76 | 271.42 | 196.50 | | |
| 6 | 50.52 | 81.69 | 257.95 | 1033.75 | 879.49 | 1228.92 | 5715.78 | 6629.31 | 289.55 | 98.38 | 205.12 | 213.80 | | |
| 7 | 50.52 | 87.20 | 266.92 | 873.63 | 752.01 | 1136.54 | 6074.70 | 6368.81 | 285.00 | 101.20 | 165.25 | 169.06 | | |
| 8 | 48.61 | 101.20 | 218.16 | 717.78 | 769.22 | 1075.90 | 6309.82 | 5992.73 | 321.67 | 106.89 | 130.07 | 165.25 | | |
| 9 | 48.61 | 87.20 | 141.91 | 490.79 | 821.18 | 1130.45 | 6534.41 | 5591.04 | 280.46 | 115.50 | 138.93 | 161.45 | | |
| 10 | 52.44 | 78.95 | 127.14 | 349.60 | 873.63 | 1130.45 | 6867.46 | 5093.74 | 226.91 | 73.52 | 157.66 | 147.88 | | |
| 11 | 44.82 | 81.69 | 109.75 | 209.45 | 723.47 | 1112.22 | 7387.13 | 4460.43 | 192.21 | 58.26 | 150.88 | 141.91 | | |
| 12 | 30.18 | 89.98 | 64.17 | 275.94 | 420.84 | 1094.04 | 7868.42 | 2974.04 | 231.31 | 54.37 | 157.66 | 172.89 | | |
| 13 | 41.08 | 89.98 | 44.82 | 303.26 | 298.68 | 1087.99 | 8097.95 | 2190.67 | 200.80 | 58.26 | 81.69 | 161.45 | | |
| 14 | 46.71 | 87.20 | 54.37 | 330.94 | 425.66 | 1136.54 | 8008.57 | 2038.41 | 192.21 | 76.23 | 56.31 | 172.89 | | |
| 15 | 58.26 | 92.76 | 54.37 | 307.84 | 627.69 | 1179.28 | 7715.94 | 1383.79 | 192.21 | 95.57 | 58.26 | 172.89 | | |
| 16 | 76.23 | 98.38 | 64.17 | 321.67 | 850.26 | 1262.35 | 7273.81 | 1167.04 | 200.80 | 109.75 | 78.95 | 205.12 | | |
| 17 | 89.98 | 81.69 | 44.82 | 420.84 | 792.25 | 1329.61 | 7035.44 | 1160.93 | 196.50 | 266.92 | 87.20 | 169.06 | | |
| 18 | 87.20 | 95.57 | 89.98 | 464.48 | 689.44 | 1721.72 | 7010.95 | 1160.93 | 141.91 | 464.48 | 76.23 | 192.21 | | |
| 19 | 81.69 | 87.20 | 240.14 | 517.77 | 572.34 | 2110.33 | 7010.95 | 1106.16 | 153.89 | 321.67 | 66.16 | 235.72 | | |
| 20 | 78.95 | 84.44 | 188.32 | 430.48 | 425.66 | 2046.38 | 7085.52 | 968.03 | 184.45 | 340.25 | 62.19 | 196.50 | | |
| 21 | 60.22 | 81.69 | 176.73 | 459.60 | 572.34 | 1958.94 | 7160.75 | 920.65 | 382.60 | 566.84 | 101.20 | 218.16 | | |
| 22 | 58.26 | 66.16 | 209.45 | 454.73 | 740.58 | 2022.48 | 7248.66 | 746.29 | 373.12 | 490.79 | 124.21 | 218.16 | | |
| 23 | 52.44 | 56.31 | 240.14 | 474.71 | 891.22 | 2078.32 | 7361.92 | 650.04 | 354.28 | 235.72 | 121.30 | 205.12 | | |
| 24 | 33.76 | 54.37 | 280.46 | 490.79 | 832.79 | 2395.02 | 7462.82 | 550.41 | 377.86 | 153.89 | 127.14 | 192.21 | | |
| 25 | 50.52 | 78.95 | 240.14 | 809.59 | 683.79 | 2597.64 | 7525.98 | 544.95 | 464.48 | 130.07 | 130.07 | 222.53 | | |
| 26 | 42.95 | 127.14 | 244.57 | 792.25 | 786.48 | 2708.40 | 7551.27 | 454.73 | 512.35 | 157.66 | 172.89 | 271.42 | | |
| 27 | 41.08 | 135.97 | 271.42 | 879.49 | 1015.76 | 2880.57 | 7589.22 | 454.73 | 544.95 | 317.05 | 157.66 | 196.50 | | |
| 28 | 39.23 | 218.16 | 512.35 | 706.42 | 1142.63 | 2908.57 | 7563.92 | 512.35 | 392.11 | 307.84 | 235.72 | 209.45 | | |
| 29 | 44.82 | 401.65 | 780.72 | 474.71 | 1106.16 | 2955.31 | 7513.34 | 572.34 | 249.02 | 200.80 | | 249.02 | | |
| 30 | 42.95 | 561.36 | 815.38 | 368.40 | 1191.53 | 3247.54 | 7525.98 | 517.77 | 172.89 | 192.21 | | 307.84 | | |
| 31 | | 706.42 | | 454.73 | 1904.47 | | 7563.92 | | 150.88 | 184.45 | | 321.67 | | |
| Total | 1567.14 | 4056.75 | 8320.94 | 17511.00 | 26536.67 | 57197.70 | 208720.40 | 90740.90 | 9050.49 | 5762.72 | 3773.75 | 6398.94 | 439637.40 | Tonday |
| Mean | 52.24 | 130.86 | 277.36 | 564.87 | 856.02 | 1906.59 | 6732.92 | 3024.70 | 291.95 | 185.89 | 134.78 | 206.42 | | Ton/day |
| Max | 89.98 | 706.42 | 815.38 | 1033.75 | 1904.47 | 3247.54 | 8097.95 | 7576.57 | 544.95 | 566.84 | 271.42 | 321.67 | 8097.95 | Ton/day |
| Min | 30.18 | 41.08 | 44.82 | 209.45 | 298.68 | 1075.90 | 3486.11 | 454.73 | 141.91 | 54.37 | 56.31 | 141.91 | 30.18 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Dan Taka, Nakhon Ratchasima (M.2A)

Lat 14 - 57 - 57 N Long 102 - 14 - 38 E

**Location : on left bank at Ban Dan Taka.**

**Ban** Dan Taka **Amphoe** Chaloem Phra Kia **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 4,724 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 27 |
| **R-Square** | 0.7791 |
| **Remarks** | Continued Sediment Station |

$$QS = 13.9690\ QW^{0.78370}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 18.18 | 62.75 | 46.51 | 45.09 | 188.11 | 276.64 | 132.21 | 53.89 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 16.74 | 49.31 | 46.51 | 60.57 | 213.29 | 332.08 | 134.56 | 53.89 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 10.56 | 39.28 | 51.62 | 71.27 | 223.55 | 424.62 | 132.21 | 56.14 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 13.75 | 39.28 | 60.57 | 75.43 | 215.36 | 473.77 | 139.23 | 47.91 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 18.18 | 31.65 | 62.75 | 73.36 | 204.99 | 540.80 | 141.54 | 45.09 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 23.48 | 31.65 | 60.57 | 71.27 | 196.60 | 600.96 | 139.23 | 42.21 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 23.48 | 25.17 | 49.31 | 67.05 | 183.82 | 669.68 | 136.90 | 39.28 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 23.48 | 18.18 | 43.65 | 69.17 | 175.16 | 777.60 | 136.90 | 40.75 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 40.75 | 13.75 | 36.28 | 71.27 | 164.17 | 853.15 | 143.85 | 36.28 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 40.75 | 16.74 | 25.17 | 67.05 | 155.23 | 853.15 | 148.43 | 33.22 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 45.09 | 16.74 | 15.27 | 60.57 | 155.23 | 833.38 | 150.71 | 30.07 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 45.09 | 16.74 | 16.74 | 58.37 | 196.60 | 808.48 | 150.71 | 26.83 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 43.65 | 0.00 | 10.56 | 51.62 | 231.65 | 777.60 | 146.14 | 28.46 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 40.75 | 0.00 | 15.27 | 47.91 | 257.49 | 749.30 | 148.43 | 25.17 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 39.28 | 18.18 | 15.27 | 60.57 | 272.31 | 719.96 | 150.71 | 26.83 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 36.28 | 0.00 | 16.74 | 64.91 | 276.64 | 694.01 | 150.71 | 15.27 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 37.79 | 0.00 | 2.99 | 83.56 | 274.48 | 662.90 | 143.85 | 13.75 | 0.00 | 0.00 | 0.00 | | |
| 18 | 39.28 | 39.28 | 0.00 | 7.08 | 87.54 | 267.96 | 647.38 | 134.56 | 13.75 | 0.00 | 0.00 | 0.00 | | |
| 19 | 47.91 | 36.28 | 0.00 | 7.08 | 87.54 | 255.53 | 639.39 | 125.09 | 12.18 | 0.00 | 0.00 | 0.00 | | |
| 20 | 53.89 | 36.28 | 0.00 | 5.15 | 85.56 | 237.68 | 639.39 | 115.42 | 12.18 | 0.00 | 0.00 | 0.00 | | |
| 21 | 25.17 | 40.75 | 16.74 | 0.00 | 81.55 | 225.58 | 634.05 | 108.65 | 10.56 | 0.00 | 0.00 | 0.00 | | |
| 22 | 37.79 | 45.09 | 31.65 | 0.00 | 77.48 | 219.46 | 609.86 | 91.48 | 8.87 | 0.00 | 0.00 | 0.00 | | |
| 23 | 39.28 | 58.37 | 30.07 | 7.08 | 77.48 | 215.36 | 571.69 | 83.56 | 7.08 | 0.00 | 0.00 | 0.00 | | |
| 24 | 34.76 | 75.43 | 36.28 | 16.74 | 77.48 | 213.29 | 462.56 | 85.56 | 2.99 | 0.00 | 0.00 | 0.00 | | |
| 25 | 31.65 | 95.36 | 42.21 | 25.17 | 77.48 | 204.99 | 341.18 | 75.43 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 31.65 | 117.86 | 47.91 | 28.46 | 83.56 | 196.60 | 237.68 | 62.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 26.83 | 97.29 | 47.91 | 42.21 | 87.54 | 200.81 | 202.91 | 58.37 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 19.99 | 73.36 | 62.75 | 47.91 | 91.48 | 215.36 | 177.34 | 51.62 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 23.48 | 75.43 | 58.37 | 46.51 | 95.36 | 249.62 | 152.97 | 51.62 | 18.18 | 0.00 | | 0.00 | | |
| 30 | 19.99 | 64.91 | 51.62 | 45.09 | 95.36 | 265.78 | 93.42 | 58.37 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 60.57 | | 45.09 | 141.54 | | 134.56 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 431.67 | 1433.54 | 804.93 | 899.35 | 2345.99 | 6552.70 | 16592.46 | 3528.80 | 700.83 | 0.00 | 0.00 | 0.00 | 33290.27 | Tonday |
| Mean | 14.39 | 46.24 | 26.83 | 29.01 | 75.68 | 218.42 | 535.24 | 117.63 | 22.61 | 0.00 | 0.00 | 0.00 | | Ton/day |
| Max | 53.89 | 117.86 | 62.75 | 62.75 | 141.54 | 276.64 | 853.15 | 150.71 | 56.14 | 0.00 | 0.00 | 0.00 | 853.15 | Ton/day |
| Min | 0.00 | 10.56 | 0.00 | 0.00 | 45.09 | 155.23 | 93.42 | 51.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Ban Mueang Kong, Si Sa Ket (M.5)

Lat 15 - 20 - 16 N Long 104 - 09 - 21 E

**Location : on left bank infront of Amphoe Rasi Salai Office.**

**Ban** Mueang Kong **Amphoe** Rasi Salai **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 45,295 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 33 |
| **R-Square** | 0.9498 |
| **Remarks** | Continued Sediment Station |

$$QS = 7.1766\ QW^{0.90910}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.11 | 19.78 | 80.07 | 63.48 | 98.33 | 2356.20 | 1468.65 | 5377.69 | 447.66 | 149.40 | 6.52 | 7.18 | | |
| 2 | 11.63 | 22.41 | 78.02 | 63.48 | 147.47 | 2364.97 | 1669.67 | 5195.62 | 297.23 | 147.47 | 6.52 | 7.18 | | |
| 3 | 15.30 | 46.44 | 75.96 | 67.66 | 155.16 | 2343.03 | 1953.40 | 5043.42 | 287.77 | 143.60 | 6.52 | 7.18 | | |
| 4 | 19.78 | 46.44 | 75.96 | 120.19 | 102.34 | 2281.51 | 2268.30 | 4804.02 | 262.40 | 13.48 | 6.52 | 7.18 | | |
| 5 | 34.36 | 40.17 | 75.96 | 114.27 | 92.28 | 2135.82 | 2661.70 | 4626.68 | 234.01 | 13.48 | 6.52 | 7.18 | | |
| 6 | 46.44 | 11.00 | 71.82 | 108.32 | 90.26 | 1989.12 | 2912.24 | 4410.91 | 63.48 | 13.48 | 6.52 | 7.18 | | |
| 7 | 38.25 | 11.00 | 52.90 | 112.29 | 114.27 | 1782.80 | 3144.67 | 4206.15 | 38.25 | 13.48 | 6.52 | 7.18 | | |
| 8 | 20.66 | 22.41 | 71.82 | 108.32 | 202.48 | 1527.55 | 3420.49 | 3963.98 | 30.43 | 13.48 | 6.52 | 7.18 | | |
| 9 | 18.00 | 24.44 | 84.16 | 108.32 | 252.36 | 1217.68 | 3777.89 | 3736.02 | 14.39 | 13.48 | 6.52 | 7.18 | | |
| 10 | 10.38 | 30.43 | 80.07 | 104.34 | 268.76 | 948.17 | 4073.13 | 3420.49 | 13.48 | 13.48 | 6.52 | 7.18 | | |
| 11 | 28.45 | 22.41 | 80.07 | 104.34 | 265.58 | 679.76 | 4434.94 | 3272.97 | 13.48 | 13.48 | 6.52 | 7.18 | | |
| 12 | 46.44 | 22.41 | 80.07 | 102.34 | 256.02 | 413.86 | 4817.63 | 3053.27 | 13.48 | 13.48 | 6.52 | 7.18 | | |
| 13 | 46.44 | 10.38 | 80.07 | 102.34 | 268.76 | 374.52 | 5165.22 | 2872.85 | 13.48 | 13.48 | 6.52 | 7.18 | | |
| 14 | 46.44 | 14.39 | 80.07 | 100.33 | 390.31 | 370.57 | 5423.11 | 2717.62 | 13.48 | 13.48 | 6.52 | 7.18 | | |
| 15 | 42.09 | 18.89 | 78.02 | 100.33 | 466.61 | 490.18 | 5658.02 | 2556.41 | 13.48 | 13.48 | 6.52 | 7.18 | | |
| 16 | 42.09 | 26.46 | 78.02 | 96.32 | 518.33 | 471.33 | 5823.54 | 2401.85 | 13.48 | 13.48 | 6.52 | 7.18 | | |
| 17 | 42.09 | 18.89 | 78.02 | 86.20 | 560.27 | 476.05 | 5951.96 | 2277.11 | 13.48 | 13.48 | 4.51 | 7.18 | | |
| 18 | 44.27 | 18.00 | 78.02 | 86.20 | 409.95 | 494.89 | 6028.54 | 2149.10 | 13.48 | 13.48 | 0.00 | 7.18 | | |
| 19 | 42.09 | 24.44 | 73.89 | 86.20 | 281.45 | 485.48 | 6108.35 | 1989.12 | 13.48 | 5.86 | 0.00 | 7.18 | | |
| 20 | 42.09 | 22.41 | 36.31 | 84.16 | 326.31 | 394.24 | 6188.06 | 1832.35 | 22.41 | 5.86 | 0.00 | 7.18 | | |
| 21 | 26.46 | 38.25 | 26.46 | 86.20 | 425.59 | 394.24 | 6267.66 | 1678.75 | 69.75 | 5.86 | 0.00 | 7.18 | | |
| 22 | 10.38 | 42.09 | 26.46 | 104.34 | 643.23 | 394.24 | 6327.29 | 1544.34 | 73.89 | 6.52 | 3.82 | 7.18 | | |
| 23 | 10.38 | 38.25 | 26.46 | 104.34 | 992.11 | 394.24 | 6347.16 | 1405.28 | 73.89 | 6.52 | 5.19 | 7.18 | | |
| 24 | 10.38 | 42.09 | 55.03 | 104.34 | 1105.47 | 485.48 | 6347.16 | 1260.55 | 67.66 | 6.52 | 6.52 | 7.18 | | |
| 25 | 9.74 | 48.60 | 63.48 | 67.66 | 1191.88 | 729.66 | 6347.16 | 1153.07 | 63.48 | 6.52 | 6.52 | 7.18 | | |
| 26 | 12.86 | 52.90 | 63.48 | 50.75 | 1401.05 | 983.34 | 6307.42 | 1040.22 | 63.48 | 6.52 | 7.18 | 7.18 | | |
| 27 | 18.89 | 59.27 | 63.48 | 57.15 | 1598.77 | 921.71 | 6188.06 | 930.54 | 61.38 | 6.52 | 7.18 | 7.18 | | |
| 28 | 28.45 | 145.54 | 63.48 | 90.26 | 1778.29 | 815.07 | 6048.50 | 828.48 | 59.27 | 6.52 | 7.18 | 7.18 | | |
| 29 | 20.66 | 126.09 | 63.48 | 96.32 | 1935.52 | 873.00 | 5915.30 | 629.48 | 61.38 | 6.52 | | 7.18 | | |
| 30 | 19.78 | 67.66 | 63.48 | 90.26 | 2131.39 | 1135.79 | 5750.03 | 555.62 | 96.32 | 6.52 | | 7.18 | | |
| 31 | | 78.02 | | 92.28 | 2281.51 | | 5570.88 | | 151.32 | 6.52 | | 7.18 | | |
| Total | 814.38 | 1211.96 | 2004.59 | 2863.33 | 20752.11 | 30724.50 | 150366.13 | 80933.96 | 2674.65 | 725.45 | 152.42 | 222.58 | 293446.06 | Tonday |
| Mean | 27.15 | 39.10 | 66.82 | 92.37 | 669.42 | 1024.15 | 4850.52 | 2697.80 | 86.28 | 23.40 | 5.44 | 7.18 | | Ton/day |
| Max | 46.44 | 145.54 | 84.16 | 120.19 | 2281.51 | 2364.97 | 6347.16 | 5377.69 | 447.66 | 149.40 | 7.18 | 7.18 | 6347.16 | Ton/day |
| Min | 9.11 | 10.38 | 26.46 | 50.75 | 90.26 | 370.57 | 1468.65 | 555.62 | 13.48 | 5.86 | 0.00 | 7.18 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Mun River at Satuk, Buri Ram (M.6A)

Lat 15 - 17 - 53 N Long 103 - 17 - 46 E

**Location : on right bank at Satuk.**

**Ban** Satuk **Amphoe** Satuk **Changwat** Buri Ram

| | |
|---|---|
| **Drainge Area** | 28,458 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2000-Cont'd |
| **Actual Measurement** | 2000-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.7103 |
| **Remarks** | Continued Sediment Station |

$$QS = 108.7600\ QW^{0.69540}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 62.42 | 0.00 | 0.00 | 0.00 | 0.00 | 330.75 | 3130.58 | 9016.05 | 2153.03 | 0.00 | 0.00 | 0.00 | | |
| 2 | 89.04 | 0.00 | 0.00 | 0.00 | 0.00 | 422.96 | 3575.41 | 8818.49 | 2165.29 | 0.00 | 0.00 | 0.00 | | |
| 3 | 101.08 | 0.00 | 0.00 | 0.00 | 0.00 | 830.40 | 4194.69 | 8618.97 | 2165.29 | 0.00 | 0.00 | 0.00 | | |
| 4 | 101.08 | 0.00 | 0.00 | 0.00 | 0.00 | 1098.14 | 5065.24 | 8484.82 | 2078.83 | 0.00 | 0.00 | 0.00 | | |
| 5 | 76.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1344.70 | 5733.96 | 8281.84 | 1835.68 | 0.00 | 0.00 | 0.00 | | |
| 6 | 47.08 | 0.00 | 0.00 | 0.00 | 0.00 | 1591.50 | 6159.96 | 8042.24 | 1769.35 | 0.00 | 0.00 | 0.00 | | |
| 7 | 29.08 | 0.00 | 0.00 | 0.00 | 0.00 | 1755.95 | 6376.42 | 7799.46 | 1755.95 | 0.00 | 0.00 | 0.00 | | |
| 8 | 89.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1835.68 | 6609.75 | 7588.71 | 1701.91 | 0.00 | 0.00 | 0.00 | | |
| 9 | 76.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1822.50 | 7031.89 | 7307.23 | 1633.28 | 0.00 | 0.00 | 0.00 | | |
| 10 | 62.42 | 0.00 | 0.00 | 0.00 | 0.00 | 1796.01 | 7553.34 | 7147.18 | 1433.91 | 0.00 | 0.00 | 0.00 | | |
| 11 | 47.08 | 0.00 | 0.00 | 0.00 | 0.00 | 1809.28 | 8213.70 | 6939.06 | 1042.58 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1952.51 | 8785.37 | 6704.56 | 739.70 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2041.30 | 9565.86 | 6442.38 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1952.51 | 10616.09 | 6260.27 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1848.82 | 11923.84 | 6075.81 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1809.28 | 12855.22 | 5854.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1688.29 | 13180.71 | 5629.66 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1742.51 | 13115.90 | 5430.76 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1782.70 | 12855.22 | 5218.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1822.50 | 12554.44 | 5003.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1822.50 | 12240.92 | 4773.26 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1822.50 | 11923.84 | 4539.82 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1926.82 | 11603.03 | 4285.89 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2066.35 | 11278.28 | 4056.23 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2066.35 | 10894.14 | 3871.49 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2128.42 | 10560.10 | 3731.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2298.18 | 10319.37 | 3509.63 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2520.17 | 9992.78 | 3158.31 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2759.63 | 9756.61 | 2489.54 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2961.91 | 9469.86 | 2189.71 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 208.53 | | 9227.97 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 780.80 | 0.00 | 0.00 | 0.00 | 208.53 | 53651.12 | 286364.49 | 177269.24 | 20474.80 | 0.00 | 0.00 | 0.00 | 538748.98 | Tonday |
| Mean | 26.03 | 0.00 | 0.00 | 0.00 | 6.73 | 1788.37 | 9237.56 | 5908.97 | 660.48 | 0.00 | 0.00 | 0.00 | | Ton/day |
| Max | 101.08 | 0.00 | 0.00 | 0.00 | 208.53 | 2961.91 | 13180.71 | 9016.05 | 2165.29 | 0.00 | 0.00 | 0.00 | 13180.71 | Ton/day |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 330.75 | 3130.58 | 2189.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Samran at Ban Nongyaplong, Si Sa ket (M.9)

Lat 15 - 06 - 58 N Long 104 - 19 - 21 E

**Location : on right bank at the bridge on Highway.**

**Ban** Nongyaplong **Amphoe** Mueang **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 2,988 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 39 |
| **R-Square** | 0.9747 |
| **Remarks** | Continued Sediment Station |

$$QS = 6.1327\ QW^{0.95260}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.13 | 1.13 | 2.93 | 1.32 | 3.65 | 911.28 | 321.69 | 167.51 | 8.62 | 3.65 | 2.87 | 2.50 | | |
| 2 | 1.07 | 1.13 | 1.70 | 1.32 | 2.19 | 902.90 | 462.15 | 151.61 | 8.10 | 3.65 | 2.87 | 2.50 | | |
| 3 | 1.07 | 1.13 | 1.32 | 1.32 | 1.95 | 838.16 | 744.22 | 137.83 | 7.59 | 3.65 | 4.07 | 2.44 | | |
| 4 | 1.01 | 1.13 | 1.32 | 1.70 | 1.70 | 742.47 | 953.14 | 126.40 | 7.18 | 3.59 | 5.78 | 2.44 | | |
| 5 | 1.01 | 1.13 | 1.20 | 1.32 | 1.32 | 644.21 | 1237.62 | 113.91 | 7.06 | 3.59 | 5.31 | 2.44 | | |
| 6 | 1.01 | 1.13 | 1.26 | 1.32 | 1.32 | 545.70 | 1395.05 | 102.97 | 6.95 | 3.59 | 4.48 | 2.44 | | |
| 7 | 1.01 | 1.13 | 1.26 | 1.32 | 1.32 | 460.88 | 1461.86 | 90.64 | 6.89 | 3.59 | 3.95 | 2.32 | | |
| 8 | 1.07 | 1.13 | 1.26 | 1.32 | 1.32 | 402.96 | 1457.42 | 80.81 | 6.66 | 3.59 | 3.59 | 2.26 | | |
| 9 | 1.07 | 1.13 | 1.20 | 1.32 | 1.70 | 346.97 | 1470.76 | 73.70 | 6.31 | 3.53 | 3.35 | 2.26 | | |
| 10 | 1.07 | 1.13 | 1.20 | 1.32 | 1.57 | 299.78 | 1532.97 | 65.93 | 5.78 | 3.41 | 3.17 | 2.26 | | |
| 11 | 1.07 | 1.13 | 1.20 | 3.17 | 3.17 | 277.21 | 1590.61 | 59.69 | 5.31 | 3.41 | 3.17 | 2.26 | | |
| 12 | 1.07 | 1.07 | 1.13 | 1.95 | 4.25 | 245.02 | 1564.02 | 51.84 | 4.90 | 3.29 | 3.11 | 2.26 | | |
| 13 | 1.07 | 1.07 | 1.13 | 1.57 | 6.02 | 218.49 | 1498.33 | 43.61 | 4.72 | 3.29 | 3.11 | 2.26 | | |
| 14 | 1.01 | 1.07 | 1.07 | 1.32 | 13.22 | 186.68 | 1386.13 | 36.59 | 4.60 | 3.29 | 3.05 | 2.44 | | |
| 15 | 1.01 | 1.07 | 1.07 | 1.32 | 31.76 | 174.24 | 1269.90 | 31.22 | 4.48 | 3.29 | 2.93 | 2.38 | | |
| 16 | 1.01 | 1.07 | 1.07 | 1.32 | 39.47 | 158.18 | 1171.13 | 27.76 | 4.31 | 3.29 | 2.87 | 2.32 | | |
| 17 | 0.94 | 1.07 | 1.07 | 1.32 | 68.01 | 136.63 | 1080.99 | 26.19 | 4.13 | 3.29 | 2.81 | 2.32 | | |
| 18 | 0.94 | 1.01 | 2.68 | 1.32 | 115.52 | 117.04 | 981.39 | 24.88 | 3.95 | 3.29 | 2.74 | 2.32 | | |
| 19 | 0.94 | 1.01 | 2.68 | 3.53 | 129.87 | 130.62 | 894.97 | 23.57 | 3.89 | 3.23 | 2.68 | 2.44 | | |
| 20 | 0.94 | 3.41 | 1.45 | 3.17 | 145.63 | 128.36 | 827.36 | 22.09 | 3.89 | 3.23 | 2.68 | 2.44 | | |
| 21 | 0.94 | 2.81 | 1.32 | 1.82 | 161.75 | 142.93 | 777.86 | 20.78 | 3.83 | 3.23 | 2.68 | 2.38 | | |
| 22 | 1.01 | 1.82 | 1.45 | 1.70 | 189.34 | 178.69 | 694.99 | 19.35 | 3.77 | 3.17 | 2.68 | 2.32 | | |
| 23 | 1.01 | 1.57 | 1.32 | 1.57 | 215.85 | 156.39 | 598.62 | 17.58 | 3.77 | 3.17 | 2.56 | 2.26 | | |
| 24 | 4.84 | 1.57 | 1.32 | 1.45 | 233.34 | 154.60 | 505.21 | 15.91 | 3.77 | 3.17 | 2.56 | 2.19 | | |
| 25 | 4.25 | 1.32 | 1.32 | 2.32 | 302.09 | 193.77 | 424.66 | 14.68 | 3.77 | 3.17 | 2.56 | 2.44 | | |
| 26 | 2.32 | 1.32 | 2.07 | 2.19 | 408.65 | 256.68 | 368.16 | 13.50 | 3.77 | 3.11 | 2.50 | 2.50 | | |
| 27 | 1.70 | 1.32 | 1.57 | 2.68 | 500.89 | 282.52 | 334.73 | 12.15 | 3.77 | 3.11 | 2.38 | 2.50 | | |
| 28 | 1.45 | 1.95 | 1.32 | 2.32 | 525.36 | 304.40 | 287.64 | 10.85 | 3.71 | 3.05 | 2.38 | 2.50 | | |
| 29 | 1.26 | 1.32 | 1.32 | 1.70 | 537.57 | 318.24 | 254.74 | 9.71 | 3.71 | 3.05 | | 2.56 | | |
| 30 | 1.13 | 1.32 | 1.32 | 1.45 | 693.84 | 322.84 | 218.69 | 9.02 | 3.71 | 2.99 | | 2.50 | | |
| 31 | | 5.55 | | 5.66 | 842.00 | | 186.29 | | 3.71 | 2.93 | | 2.50 | | |
| Total | 40.43 | 46.15 | 43.53 | 58.43 | 5185.64 | 10178.84 | 27953.30 | 1602.28 | 156.61 | 102.89 | 88.89 | 73.95 | 45530.94 | Tonday |
| Mean | 1.35 | 1.49 | 1.45 | 1.88 | 167.28 | 339.29 | 901.72 | 53.41 | 5.05 | 3.32 | 3.17 | 2.39 | | Ton/day |
| Max | 4.84 | 5.55 | 2.93 | 5.66 | 842.00 | 911.28 | 1590.61 | 167.51 | 8.62 | 3.65 | 5.78 | 2.56 | 1590.61 | Ton/day |
| Min | 0.94 | 1.01 | 1.07 | 1.32 | 1.32 | 117.04 | 186.29 | 9.02 | 3.71 | 2.93 | 2.38 | 2.19 | 0.94 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Chi at Ban Kho Kho, Surin (M.26)

Lat 14 - 54 - 08 N Long 103 - 24 - 12 E

**Location : on left bank at railway bridge.**

**Ban** Kho Kho **Amphoe** Mueang **Changwat** Surin

| | |
|---|---|
| **Drainge Area** | 3,058 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 51 |
| **R-Square** | 0.9300 |
| **Remarks** | Continued Sediment Station |

$$QS = 7.1180\ QW^{0.96840}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22.75 | 27.91 | 23.95 | 24.74 | 38.92 | 276.18 | 330.89 | 122.97 | 5.46 | 25.53 | 22.75 | 3.21 | | |
| 2 | 22.35 | 30.28 | 35.40 | 33.43 | 184.84 | 280.40 | 396.43 | 106.86 | 5.18 | 26.33 | 22.75 | 3.21 | | |
| 3 | 19.96 | 20.76 | 26.33 | 21.96 | 276.18 | 252.23 | 617.84 | 95.48 | 9.86 | 26.33 | 22.75 | 3.21 | | |
| 4 | 19.56 | 10.68 | 15.14 | 16.35 | 353.24 | 221.30 | 913.70 | 86.35 | 7.94 | 26.33 | 22.75 | 3.21 | | |
| 5 | 29.49 | 7.67 | 8.77 | 25.14 | 418.66 | 201.31 | 1100.20 | 80.24 | 4.62 | 24.34 | 22.75 | 2.65 | | |
| 6 | 44.39 | 7.39 | 8.49 | 27.91 | 445.00 | 175.91 | 1211.13 | 70.28 | 3.50 | 20.36 | 20.76 | 2.65 | | |
| 7 | 44.39 | 7.12 | 17.15 | 17.96 | 435.30 | 147.02 | 1299.05 | 57.19 | 4.34 | 19.56 | 15.14 | 2.65 | | |
| 8 | 40.49 | 7.12 | 27.52 | 10.68 | 382.51 | 116.94 | 1355.43 | 46.34 | 4.62 | 19.96 | 14.74 | 2.07 | | |
| 9 | 36.18 | 7.12 | 23.95 | 15.95 | 329.49 | 94.72 | 1367.04 | 41.66 | 6.01 | 21.16 | 15.54 | 2.07 | | |
| 10 | 35.40 | 7.12 | 15.95 | 19.16 | 264.92 | 84.82 | 1332.19 | 38.53 | 4.34 | 21.56 | 15.54 | 2.07 | | |
| 11 | 34.61 | 7.94 | 7.94 | 11.49 | 202.42 | 79.48 | 1283.35 | 33.83 | 3.50 | 21.96 | 15.14 | 2.07 | | |
| 12 | 30.28 | 9.59 | 4.34 | 9.86 | 143.02 | 87.87 | 1172.64 | 29.10 | 3.21 | 22.35 | 13.93 | 1.50 | | |
| 13 | 31.46 | 10.68 | 4.34 | 30.68 | 98.52 | 97.76 | 1072.71 | 25.14 | 3.21 | 22.75 | 8.77 | 1.50 | | |
| 14 | 27.12 | 12.31 | 4.06 | 31.86 | 82.53 | 101.55 | 1007.68 | 23.15 | 2.65 | 23.55 | 2.93 | 1.50 | | |
| 15 | 29.10 | 13.12 | 3.78 | 26.72 | 96.24 | 104.59 | 931.35 | 21.56 | 3.21 | 23.15 | 2.65 | 1.50 | | |
| 16 | 20.36 | 13.12 | 3.78 | 20.76 | 259.28 | 105.34 | 856.87 | 27.12 | 6.01 | 21.96 | 2.65 | 1.50 | | |
| 17 | 11.49 | 13.12 | 3.78 | 23.15 | 312.69 | 104.59 | 758.22 | 37.36 | 7.94 | 23.15 | 2.65 | 1.43 | | |
| 18 | 7.67 | 13.12 | 3.78 | 33.83 | 399.21 | 126.99 | 673.95 | 33.04 | 9.04 | 24.34 | 2.65 | 1.35 | | |
| 19 | 13.52 | 15.54 | 3.50 | 30.68 | 501.68 | 166.96 | 640.35 | 29.10 | 10.68 | 25.14 | 2.65 | 1.35 | | |
| 20 | 30.28 | 20.36 | 2.65 | 29.89 | 595.31 | 181.87 | 532.01 | 25.14 | 12.71 | 25.14 | 2.65 | 1.35 | | |
| 21 | 43.22 | 28.31 | 2.93 | 29.49 | 671.93 | 174.92 | 442.23 | 25.93 | 14.74 | 21.56 | 2.65 | 1.28 | | |
| 22 | 71.82 | 35.79 | 3.50 | 29.89 | 739.57 | 173.92 | 367.19 | 21.96 | 15.95 | 21.56 | 2.65 | 1.21 | | |
| 23 | 55.64 | 38.53 | 4.90 | 23.15 | 773.31 | 190.17 | 312.69 | 17.96 | 16.75 | 22.35 | 2.65 | 1.21 | | |
| 24 | 42.05 | 46.34 | 8.22 | 31.46 | 764.44 | 203.53 | 273.37 | 13.93 | 17.96 | 22.75 | 2.93 | 1.21 | | |
| 25 | 37.36 | 56.42 | 13.52 | 28.31 | 727.13 | 213.53 | 250.82 | 13.12 | 18.76 | 23.55 | 3.21 | 1.21 | | |
| 26 | 24.74 | 48.67 | 30.28 | 22.35 | 666.59 | 229.06 | 232.38 | 15.95 | 18.76 | 24.34 | 3.21 | 1.21 | | |
| 27 | 34.61 | 45.17 | 27.12 | 18.76 | 587.25 | 255.05 | 197.97 | 13.12 | 19.56 | 24.74 | 3.21 | 1.21 | | |
| 28 | 27.12 | 45.56 | 29.49 | 34.61 | 509.96 | 269.14 | 176.90 | 11.90 | 20.36 | 23.55 | 3.21 | 1.21 | | |
| 29 | 18.76 | 35.40 | 37.36 | 27.12 | 438.07 | 277.59 | 162.98 | 8.77 | 21.16 | 23.55 | | 1.21 | | |
| 30 | 15.54 | 31.86 | 29.49 | 24.74 | 354.64 | 290.24 | 149.02 | 7.12 | 22.75 | 23.55 | | 1.21 | | |
| 31 | | 33.43 | | 23.15 | 293.05 | | 133.01 | | 24.74 | 23.15 | | 1.06 | | |
| Total | 921.71 | 707.55 | 431.41 | 755.23 | 12345.90 | 5284.98 | 21551.59 | 1180.20 | 329.52 | 719.60 | 275.86 | 55.28 | 44558.83 | Tonday |
| Mean | 30.72 | 22.82 | 14.38 | 24.36 | 398.25 | 176.17 | 695.21 | 39.34 | 10.63 | 23.21 | 9.85 | 1.78 | | Ton/day |
| Max | 71.82 | 56.42 | 37.36 | 34.61 | 773.31 | 290.24 | 1367.04 | 122.97 | 24.74 | 26.33 | 22.75 | 3.21 | 1367.04 | Ton/day |
| Min | 7.67 | 7.12 | 2.65 | 9.86 | 38.92 | 79.48 | 133.01 | 7.12 | 2.65 | 19.56 | 2.65 | 1.06 | 1.06 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Se Bai at Ban Chiang Pheng, Yasothon (M.32)

Lat 15 - 50 - 18 N Long 104 - 27 - 35 E

**Location : on right bank at Phawaphutanon bridge.**

**Ban** Chiang Pheng **Amphoe** Pa Tiu **Changwat** Yasothon

| | |
|---|---|
| **Drainge Area** | 1,646 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.9362 |
| **Remarks** | Continued Sediment Station |

$$QS = 9.3034\ QW^{0.91010}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 27.60 | 14.70 | 47.50 | 437.60 | 835.30 | 808.10 | 58.90 | 32.10 | 27.60 | 13.50 | 5.80 | | |
| 2 | 0.00 | 27.60 | 45.30 | 53.20 | 545.10 | 585.80 | 867.80 | 56.10 | 29.80 | 27.60 | 13.50 | 7.20 | | |
| 3 | 0.00 | 25.30 | 41.00 | 72.90 | 511.10 | 511.10 | 1160.90 | 56.10 | 29.80 | 27.60 | 14.70 | 8.50 | | |
| 4 | 0.00 | 24.10 | 38.80 | 137.00 | 466.40 | 416.70 | 1266.60 | 53.20 | 29.80 | 27.60 | 13.50 | 9.70 | | |
| 5 | 0.00 | 24.10 | 38.80 | 198.10 | 423.60 | 353.40 | 1279.10 | 50.40 | 29.80 | 24.10 | 13.50 | 9.70 | | |
| 6 | 0.00 | 24.10 | 34.30 | 190.60 | 379.30 | 190.60 | 1347.60 | 47.50 | 29.80 | 23.00 | 13.50 | 9.70 | | |
| 7 | 0.00 | 24.10 | 32.10 | 152.50 | 346.30 | 92.00 | 1600.20 | 47.50 | 29.80 | 20.60 | 12.20 | 9.70 | | |
| 8 | 0.00 | 24.10 | 29.80 | 123.90 | 205.60 | 75.60 | 1787.60 | 47.50 | 29.80 | 19.50 | 12.20 | 8.50 | | |
| 9 | 0.00 | 23.00 | 29.80 | 137.00 | 102.70 | 67.30 | 1766.40 | 45.30 | 27.60 | 17.10 | 12.20 | 8.50 | | |
| 10 | 0.00 | 21.80 | 27.60 | 137.00 | 86.60 | 64.50 | 1679.50 | 45.30 | 27.60 | 15.90 | 12.20 | 7.20 | | |
| 11 | 0.00 | 20.60 | 23.00 | 97.40 | 72.90 | 58.90 | 1588.00 | 43.20 | 27.60 | 14.70 | 12.20 | 4.50 | | |
| 12 | 0.00 | 19.50 | 20.60 | 81.10 | 81.10 | 56.10 | 1446.70 | 41.00 | 27.60 | 14.70 | 12.20 | 1.70 | | |
| 13 | 0.00 | 18.30 | 17.10 | 72.90 | 205.60 | 50.40 | 1234.20 | 41.00 | 27.60 | 13.50 | 12.20 | 0.00 | | |
| 14 | 0.00 | 17.10 | 13.50 | 70.10 | 428.30 | 50.40 | 932.50 | 41.00 | 29.80 | 13.50 | 11.00 | 0.00 | | |
| 15 | 0.00 | 14.70 | 8.50 | 67.30 | 534.90 | 67.30 | 639.50 | 38.80 | 29.80 | 13.50 | 7.20 | 0.00 | | |
| 16 | 0.00 | 11.00 | 4.50 | 67.30 | 644.00 | 339.10 | 504.20 | 38.80 | 29.80 | 13.50 | 5.80 | 0.00 | | |
| 17 | 0.00 | 9.70 | 7.20 | 67.30 | 764.40 | 595.90 | 421.30 | 38.80 | 29.80 | 14.70 | 5.80 | 0.00 | | |
| 18 | 0.00 | 7.20 | 19.50 | 72.90 | 714.90 | 630.60 | 360.40 | 38.80 | 29.80 | 15.90 | 4.50 | 0.00 | | |
| 19 | 0.00 | 4.50 | 32.10 | 86.60 | 592.50 | 709.40 | 219.30 | 38.80 | 29.80 | 18.30 | 4.50 | 1.70 | | |
| 20 | 0.00 | 4.50 | 61.70 | 108.10 | 531.50 | 687.30 | 113.40 | 36.60 | 29.80 | 19.50 | 4.50 | 4.50 | | |
| 21 | 0.00 | 3.10 | 70.10 | 123.90 | 469.90 | 589.20 | 92.00 | 36.60 | 27.60 | 18.30 | 4.50 | 5.80 | | |
| 22 | 0.00 | 0.00 | 75.60 | 137.00 | 414.30 | 476.70 | 86.60 | 34.30 | 27.60 | 19.50 | 4.50 | 5.80 | | |
| 23 | 0.00 | 0.00 | 61.70 | 144.70 | 369.90 | 367.50 | 81.10 | 34.30 | 27.60 | 20.60 | 4.50 | 5.80 | | |
| 24 | 0.00 | 0.00 | 53.20 | 152.50 | 348.60 | 205.60 | 75.60 | 34.30 | 27.60 | 20.60 | 4.50 | 5.80 | | |
| 25 | 0.00 | 0.00 | 45.30 | 152.50 | 360.40 | 360.40 | 72.90 | 38.80 | 27.60 | 19.50 | 4.50 | 5.80 | | |
| 26 | 0.00 | 0.00 | 45.30 | 144.70 | 376.90 | 644.00 | 70.10 | 41.00 | 27.60 | 19.50 | 5.80 | 5.80 | | |
| 27 | 20.60 | 0.00 | 47.50 | 137.00 | 446.80 | 824.40 | 70.10 | 41.00 | 27.60 | 18.30 | 5.80 | 5.80 | | |
| 28 | 20.60 | 0.00 | 56.10 | 152.50 | 504.20 | 797.20 | 70.10 | 38.80 | 27.60 | 17.10 | 5.80 | 5.80 | | |
| 29 | 20.60 | 0.00 | 50.40 | 167.80 | 545.10 | 840.70 | 67.30 | 34.30 | 27.60 | 14.70 | | 5.80 | | |
| 30 | 20.60 | 0.00 | 47.50 | 175.40 | 687.30 | 878.60 | 61.70 | 32.10 | 27.60 | 13.50 | | 5.80 | | |
| 31 | | 0.00 | | 351.00 | 867.80 | | 61.70 | | 27.60 | 13.50 | | 5.80 | | |
| Total | 82.40 | 376.00 | 1092.60 | 3879.70 | 13465.60 | 12422.00 | 21832.50 | 1270.10 | 890.90 | 577.50 | 250.80 | 160.70 | 56300.80 | Tonday |
| Mean | 2.70 | 12.10 | 36.40 | 125.20 | 434.40 | 414.10 | 704.30 | 42.30 | 28.70 | 18.60 | 9.00 | 5.20 | | Ton/day |
| Max | 20.60 | 27.60 | 75.60 | 351.00 | 867.80 | 878.60 | 1787.60 | 58.90 | 32.10 | 27.60 | 14.70 | 9.70 | 1787.60 | Ton/day |
| Min | 0.00 | 0.00 | 4.50 | 47.50 | 72.90 | 50.40 | 61.70 | 32.10 | 27.60 | 13.50 | 4.50 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Thap Than at Ban Huai Thap Than, Si Sa Ket (M.42)

Lat 15 - 02 - 48 N Long 104 - 01 - 31 E

**Location : on right bank at the bridge on highway.**

**Ban** Huai Thap Than **Amphoe** Huai Thap Thun **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 2,832 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 1997-2006 |
| **Number of observation** | 198 |
| **R-Square** | 0.8811 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.8846\ QW^{0.99990}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 571.53 | 168.72 | 78.06 | 16.31 | 2.33 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 518.73 | 253.95 | 118.05 | 14.76 | 2.33 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 450.40 | 473.69 | 116.50 | 14.76 | 2.33 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 385.18 | 721.38 | 52.04 | 10.49 | 1.17 | 0.00 | 4.66 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 24.08 | 314.13 | 945.77 | 42.72 | 9.32 | 1.17 | 0.00 | 2.33 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 42.72 | 237.64 | 1153.07 | 52.04 | 9.32 | 1.17 | 0.00 | 1.17 | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 46.60 | 160.76 | 1378.22 | 29.13 | 8.16 | 1.17 | 0.00 | 1.17 | | |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 46.60 | 60.19 | 1486.92 | 27.19 | 8.16 | 1.17 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 0.00 | 40.78 | 33.01 | 1531.95 | 25.63 | 8.16 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 0.00 | 40.78 | 29.13 | 1378.22 | 22.53 | 8.16 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 40.78 | 25.63 | 1240.41 | 22.53 | 6.99 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 0.00 | 36.90 | 24.08 | 1120.46 | 19.42 | 6.99 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 0.00 | 31.07 | 22.53 | 1008.66 | 17.87 | 5.83 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 0.00 | 34.95 | 19.42 | 899.18 | 17.87 | 5.83 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 33.01 | 17.87 | 807.95 | 16.31 | 5.83 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.00 | 49.32 | 20.97 | 725.65 | 16.31 | 5.83 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.00 | 95.14 | 19.42 | 665.87 | 14.76 | 4.66 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.00 | 95.14 | 19.42 | 609.57 | 13.21 | 4.66 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 0.00 | 78.06 | 22.53 | 543.58 | 11.65 | 4.66 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 123.88 | 31.07 | 459.72 | 10.49 | 4.66 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 0.00 | 147.56 | 31.07 | 400.70 | 10.49 | 4.66 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 172.22 | 40.78 | 345.57 | 11.65 | 3.50 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 0.00 | 197.26 | 52.04 | 293.16 | 11.65 | 3.50 | 0.00 | 6.99 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 206.00 | 52.04 | 242.30 | 11.65 | 3.50 | 0.00 | 1.17 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 0.00 | 232.98 | 65.63 | 194.35 | 13.21 | 3.50 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 311.80 | 116.89 | 151.83 | 13.21 | 3.50 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 0.00 | 414.29 | 141.35 | 129.31 | 14.76 | 3.50 | 0.00 | 2.33 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 0.00 | 490.78 | 168.72 | 116.69 | 14.76 | 3.50 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | 521.83 | 166.97 | 68.35 | 14.76 | 2.33 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 565.32 | 163.09 | 62.91 | 14.76 | 2.33 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 0.00 | 581.62 | | 65.63 | | 2.33 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 4701.47 | 3982.22 | 19643.74 | 855.21 | 199.69 | 12.84 | 10.49 | 9.33 | 29414.99 | Tonday |
| Mean | 0.00 | 0.00 | 0.00 | 0.00 | 151.66 | 132.74 | 633.67 | 28.51 | 6.44 | 0.41 | 0.37 | 0.30 | | Ton/day |
| Max | 0.00 | 0.00 | 0.00 | 0.00 | 581.62 | 571.53 | 1531.95 | 118.05 | 16.31 | 2.33 | 6.99 | 4.66 | 1531.95 | Ton/day |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.87 | 62.91 | 10.49 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Khayung at Ban Wang Chom Pu, Si Sa Ket (M.66)

Lat 14 - 38 - 27 N Long 104 - 39 - 50 E

**Location : on right bank about 50 meters upstream from the bridge of Kantharalak - Det Udom Road.**

**Ban** Wang Chom Pu **Amphoe** Kantharalak **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 562 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2002-2006 |
| **Number of observation** | 81 |
| **R-Square** | 0.8550 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.6650\ QW^{1.22090}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 13.60 | 16.40 | 16.40 | 119.00 | 766.80 | 174.20 | 23.00 | 15.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 13.60 | 16.40 | 16.40 | 131.40 | 422.80 | 805.70 | 22.30 | 14.30 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 13.60 | 16.40 | 17.10 | 96.90 | 242.10 | 2192.70 | 20.80 | 14.30 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 13.60 | 16.40 | 16.40 | 50.20 | 141.90 | 1436.50 | 20.00 | 13.60 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 13.60 | 16.40 | 15.70 | 39.90 | 104.90 | 741.10 | 20.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 13.60 | 16.40 | 17.80 | 33.30 | 96.90 | 635.60 | 20.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 13.60 | 16.40 | 20.80 | 28.50 | 73.80 | 549.50 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 13.60 | 16.40 | 21.50 | 26.10 | 48.40 | 434.40 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 13.60 | 16.40 | 21.50 | 26.90 | 30.10 | 557.60 | 19.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 13.60 | 16.40 | 20.80 | 25.30 | 32.50 | 762.50 | 18.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 13.60 | 1.00 | 21.50 | 20.80 | 73.80 | 606.70 | 18.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 13.60 | 16.40 | 26.10 | 22.30 | 68.20 | 376.90 | 17.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 13.60 | 15.70 | 33.30 | 66.40 | 177.50 | 263.20 | 16.40 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 13.60 | 15.70 | 26.90 | 187.50 | 426.70 | 228.20 | 15.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 13.60 | 15.00 | 22.30 | 302.70 | 442.20 | 177.50 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 13.60 | 14.30 | 19.30 | 263.20 | 346.90 | 125.20 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 13.60 | 13.60 | 17.80 | 214.50 | 388.30 | 83.30 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 13.60 | 14.30 | 5.80 | 214.50 | 442.20 | 59.10 | 14.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 13.60 | 14.30 | 1.00 | 95.00 | 497.30 | 75.70 | 14.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 13.60 | 14.30 | 4.30 | 68.20 | 461.70 | 77.60 | 14.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 16.40 | 15.00 | 7.70 | 59.10 | 328.40 | 70.10 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 19.30 | 15.00 | 27.70 | 95.00 | 214.50 | 51.90 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 20.80 | 15.70 | 30.10 | 77.60 | 187.50 | 41.60 | 12.90 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 20.80 | 15.70 | 33.30 | 62.70 | 137.70 | 38.20 | 12.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 17.80 | 16.40 | 46.70 | 68.20 | 112.90 | 39.90 | 14.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 17.80 | 17.10 | 34.90 | 167.70 | 180.80 | 39.90 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 13.60 | 17.80 | 17.80 | 30.90 | 266.80 | 137.70 | 30.10 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 13.60 | 17.80 | 17.10 | 36.60 | 207.70 | 135.60 | 26.90 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 13.60 | 17.80 | 16.40 | 31.70 | 224.80 | 224.80 | 26.10 | 15.00 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 13.60 | 17.80 | 16.40 | 30.10 | 753.90 | 190.80 | 25.30 | 15.00 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 16.40 | | 33.30 | 1122.20 | | 23.80 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 54.40 | 472.50 | 461.20 | 705.70 | 5138.30 | 7135.70 | 10777.00 | 502.90 | 57.20 | 0.00 | 0.00 | 0.00 | 25304.90 | Tonday |
| Mean | 1.80 | 15.20 | 15.40 | 22.80 | 165.80 | 237.90 | 347.60 | 16.80 | 1.80 | 0.00 | 0.00 | 0.00 | | Ton/day |
| Max | 13.60 | 20.80 | 17.80 | 46.70 | 1122.20 | 766.80 | 2192.70 | 23.00 | 15.00 | 0.00 | 0.00 | 0.00 | 2192.70 | Ton/day |
| Min | 0.00 | 13.60 | 1.00 | 1.00 | 20.80 | 30.10 | 23.80 | 12.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Hin Lap at Ban Hin Lap, Nakhon Ratchasima (M.134)

Lat 14 - 43 - 29 N Long 101 - 34 - 21 E

**Location : on left bank at Ban Hin Lap.**

**Ban** Hin Lap **Amphoe** Pak Chong **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 250 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 45 |
| **R-Square** | 0.9378 |
| **Remarks** | Continued Sediment Station |

$$QS = 36.1570\ QW^{1.22750}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.32 | 6.27 | 11.02 | 6.59 | 5.01 | 10.32 | 274.87 | 7.58 | 6.59 | 3.52 | 3.81 | 3.81 | | |
| 2 | 7.25 | 5.64 | 8.25 | 6.59 | 5.01 | 8.25 | 799.73 | 7.58 | 6.59 | 3.52 | 3.81 | 3.81 | | |
| 3 | 5.95 | 5.64 | 7.91 | 6.27 | 5.01 | 7.58 | 6720.07 | 6.92 | 6.59 | 4.41 | 3.81 | 3.81 | | |
| 4 | 5.32 | 5.64 | 6.92 | 5.95 | 5.01 | 6.59 | 403.74 | 6.92 | 6.59 | 4.41 | 3.81 | 3.81 | | |
| 5 | 5.01 | 6.92 | 6.92 | 5.64 | 5.01 | 5.95 | 450.03 | 6.92 | 5.64 | 3.81 | 3.81 | 3.81 | | |
| 6 | 5.01 | 8.25 | 6.59 | 5.01 | 5.01 | 5.01 | 1297.39 | 5.95 | 5.64 | 3.81 | 3.81 | 3.81 | | |
| 7 | 5.01 | 7.91 | 6.59 | 5.01 | 4.41 | 5.01 | 342.20 | 5.95 | 5.64 | 3.81 | 4.41 | 3.52 | | |
| 8 | 9.62 | 7.25 | 6.59 | 5.01 | 5.01 | 168.28 | 125.16 | 5.01 | 5.64 | 4.11 | 4.41 | 3.52 | | |
| 9 | 7.58 | 7.58 | 6.59 | 5.01 | 5.01 | 199.47 | 251.79 | 5.01 | 5.01 | 4.11 | 4.41 | 3.52 | | |
| 10 | 5.64 | 156.56 | 6.59 | 5.01 | 5.01 | 37.05 | 658.81 | 5.01 | 5.01 | 4.11 | 4.41 | 3.52 | | |
| 11 | 5.64 | 13.94 | 6.59 | 5.01 | 4.71 | 8.93 | 1881.87 | 5.01 | 5.01 | 3.81 | 3.81 | 3.52 | | |
| 12 | 5.64 | 7.91 | 6.59 | 5.01 | 4.71 | 8.25 | 736.39 | 4.41 | 5.01 | 3.81 | 3.81 | 3.52 | | |
| 13 | 5.01 | 7.58 | 5.64 | 5.01 | 4.71 | 6.92 | 108.62 | 4.41 | 5.01 | 3.81 | 3.81 | 3.52 | | |
| 14 | 5.01 | 6.92 | 5.64 | 5.01 | 4.71 | 6.59 | 73.38 | 4.41 | 4.71 | 3.81 | 3.81 | 3.52 | | |
| 15 | 5.01 | 6.92 | 5.01 | 5.01 | 4.71 | 6.59 | 52.26 | 4.41 | 4.71 | 3.81 | 3.81 | 3.52 | | |
| 16 | 5.01 | 6.92 | 5.32 | 5.01 | 4.71 | 7.25 | 23.34 | 4.41 | 4.41 | 3.81 | 3.81 | 4.11 | | |
| 17 | 6.59 | 6.92 | 5.32 | 5.01 | 4.41 | 7.91 | 21.71 | 4.41 | 4.41 | 3.81 | 3.52 | 4.11 | | |
| 18 | 6.59 | 6.92 | 5.64 | 5.01 | 4.41 | 6.27 | 19.31 | 4.41 | 4.41 | 3.81 | 3.52 | 3.81 | | |
| 19 | 6.59 | 6.92 | 5.32 | 5.32 | 4.41 | 26.65 | 19.31 | 4.41 | 4.41 | 3.81 | 3.52 | 3.81 | | |
| 20 | 9.62 | 28.34 | 6.27 | 6.92 | 4.41 | 1287.05 | 16.20 | 4.41 | 4.41 | 3.81 | 3.52 | 3.81 | | |
| 21 | 7.25 | 28.34 | 50.84 | 5.64 | 4.41 | 203.13 | 16.20 | 4.41 | 4.41 | 3.52 | 3.52 | 3.81 | | |
| 22 | 6.92 | 20.91 | 7.58 | 5.64 | 5.01 | 26.65 | 15.44 | 5.32 | 4.41 | 3.52 | 3.52 | 3.52 | | |
| 23 | 6.59 | 26.65 | 8.93 | 5.01 | 4.71 | 84.67 | 15.44 | 5.32 | 3.81 | 3.52 | 3.52 | 3.52 | | |
| 24 | 6.59 | 24.98 | 6.59 | 5.01 | 4.71 | 52.26 | 14.69 | 5.01 | 3.81 | 3.52 | 3.81 | 3.52 | | |
| 25 | 6.59 | 13.20 | 6.59 | 5.01 | 4.71 | 29.19 | 13.94 | 5.01 | 3.81 | 3.52 | 3.81 | 3.52 | | |
| 26 | 6.59 | 14.69 | 9.62 | 6.59 | 4.71 | 33.08 | 11.74 | 46.62 | 3.81 | 3.52 | 3.81 | 3.52 | | |
| 27 | 6.59 | 16.20 | 7.58 | 5.01 | 5.64 | 180.16 | 11.74 | 71.36 | 3.81 | 3.52 | 3.81 | 3.52 | | |
| 28 | 6.59 | 13.20 | 7.58 | 5.01 | 7.25 | 153.65 | 11.74 | 16.97 | 3.52 | 3.52 | 3.81 | 3.52 | | |
| 29 | 6.59 | 12.47 | 7.25 | 5.01 | 5.32 | 63.39 | 9.62 | 9.62 | 3.52 | 3.52 | | 3.52 | | |
| 30 | 6.27 | 11.74 | 6.59 | 5.01 | 55.13 | 2341.96 | 8.25 | 6.59 | 3.52 | 3.81 | | 3.52 | | |
| 31 | | 20.91 | | 5.01 | 77.45 | | 8.25 | | 3.52 | 3.81 | | 3.52 | | |
| Total | 193.99 | 520.24 | 250.46 | 166.36 | 274.45 | 4994.06 | 14413.23 | 283.78 | 147.39 | 117.02 | 107.05 | 113.20 | 21581.23 | Tonday |
| Mean | 6.47 | 16.78 | 8.35 | 5.37 | 8.85 | 166.47 | 464.94 | 9.46 | 4.75 | 3.77 | 3.82 | 3.65 | | Ton/day |
| Max | 10.32 | 156.56 | 50.84 | 6.92 | 77.45 | 2341.96 | 6720.07 | 71.36 | 6.59 | 4.41 | 4.41 | 4.11 | 6720.07 | Ton/day |
| Min | 5.01 | 5.64 | 5.01 | 5.01 | 4.41 | 5.01 | 8.25 | 4.41 | 3.52 | 3.52 | 3.52 | 3.52 | 3.52 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Bon at Ban Phon Thong, Ubon Ratchathani (M.152)

Lat 14 - 27 - 47 N Long 105 - 06 - 19 E

**Location : on left bank at the bridge on road.**

**Ban** Phon Thong **Amphoe** Nam Yuen **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 214 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1999-Cont'd |
| **Actual Measurement** | 1999-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 27 |
| **R-Square** | 0.9279 |
| **Remarks** | Continued Sediment Station |

$$QS = 6.2173\ QW^{1.02860}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.68 | 1.31 | 2.05 | 5.71 | 109.07 | 104.92 | 46.01 | 15.96 | 3.61 | 2.05 | 1.13 | 1.49 | | |
| 2 | 1.31 | 1.13 | 1.86 | 5.71 | 79.07 | 74.96 | 667.56 | 13.34 | 3.61 | 2.05 | 1.13 | 1.31 | | |
| 3 | 1.13 | 1.31 | 1.68 | 7.18 | 55.50 | 57.54 | 645.14 | 10.73 | 3.42 | 2.05 | 1.13 | 1.31 | | |
| 4 | 1.49 | 1.13 | 1.68 | 5.26 | 43.31 | 46.01 | 306.25 | 9.43 | 3.61 | 2.05 | 1.13 | 1.31 | | |
| 5 | 1.68 | 1.13 | 1.68 | 5.26 | 44.66 | 36.58 | 157.11 | 9.11 | 3.42 | 1.86 | 1.13 | 1.13 | | |
| 6 | 1.13 | 0.94 | 3.05 | 5.71 | 37.25 | 31.21 | 133.03 | 9.11 | 3.42 | 1.86 | 1.13 | 1.13 | | |
| 7 | 1.13 | 0.94 | 2.86 | 6.22 | 31.21 | 27.21 | 180.25 | 11.06 | 3.24 | 1.86 | 1.13 | 1.86 | | |
| 8 | 2.61 | 0.70 | 2.05 | 5.01 | 24.55 | 31.88 | 171.82 | 8.79 | 3.24 | 1.68 | 1.13 | 1.68 | | |
| 9 | 3.80 | 0.70 | 1.68 | 4.05 | 16.61 | 27.21 | 142.44 | 8.14 | 3.05 | 1.68 | 1.13 | 1.49 | | |
| 10 | 3.42 | 0.94 | 1.49 | 3.61 | 27.87 | 33.22 | 269.26 | 7.50 | 2.86 | 1.68 | 1.13 | 1.49 | | |
| 11 | 2.05 | 0.94 | 1.13 | 10.73 | 21.89 | 29.21 | 159.21 | 7.50 | 3.05 | 1.49 | 1.31 | 1.31 | | |
| 12 | 1.68 | 0.94 | 1.49 | 18.59 | 16.61 | 27.87 | 106.99 | 6.54 | 2.86 | 1.49 | 1.31 | 1.13 | | |
| 13 | 1.31 | 1.86 | 1.13 | 10.73 | 31.88 | 33.89 | 79.07 | 5.96 | 2.61 | 1.68 | 1.13 | 1.13 | | |
| 14 | 1.13 | 1.49 | 1.31 | 11.38 | 49.40 | 43.31 | 66.75 | 5.96 | 2.61 | 1.68 | 0.94 | 1.13 | | |
| 15 | 1.31 | 1.13 | 1.31 | 9.11 | 72.90 | 62.65 | 58.22 | 5.71 | 2.61 | 1.49 | 0.94 | 1.13 | | |
| 16 | 1.13 | 0.70 | 1.49 | 8.14 | 88.35 | 48.72 | 51.43 | 5.26 | 2.61 | 2.24 | 0.70 | 1.13 | | |
| 17 | 0.94 | 0.34 | 3.42 | 6.22 | 156.06 | 54.14 | 47.36 | 5.26 | 2.42 | 2.05 | 0.70 | 1.13 | | |
| 18 | 0.94 | 0.94 | 2.42 | 5.26 | 115.31 | 58.22 | 43.31 | 5.01 | 2.42 | 2.05 | 0.70 | 1.13 | | |
| 19 | 0.70 | 5.51 | 2.61 | 5.51 | 69.82 | 54.82 | 39.94 | 5.01 | 2.42 | 1.68 | 0.70 | 1.13 | | |
| 20 | 0.70 | 7.50 | 2.05 | 8.47 | 54.14 | 158.16 | 36.58 | 4.75 | 2.24 | 1.49 | 0.70 | 1.13 | | |
| 21 | 0.70 | 8.47 | 2.61 | 6.86 | 41.29 | 235.23 | 30.54 | 4.50 | 2.24 | 1.31 | 0.70 | 1.31 | | |
| 22 | 0.52 | 5.71 | 4.31 | 7.50 | 41.29 | 113.23 | 28.54 | 5.01 | 3.05 | 1.31 | 0.94 | 1.49 | | |
| 23 | 0.94 | 5.01 | 3.80 | 12.68 | 41.96 | 67.77 | 26.54 | 6.54 | 2.42 | 1.31 | 1.49 | 1.31 | | |
| 24 | 1.13 | 5.51 | 3.80 | 23.22 | 49.40 | 60.61 | 23.88 | 5.51 | 2.05 | 1.13 | 1.13 | 1.68 | | |
| 25 | 2.86 | 4.05 | 3.24 | 36.58 | 41.96 | 47.36 | 19.25 | 5.26 | 2.24 | 1.13 | 0.94 | 1.49 | | |
| 26 | 1.86 | 5.26 | 4.31 | 41.29 | 39.27 | 58.22 | 15.96 | 4.31 | 2.24 | 1.13 | 2.05 | 1.68 | | |
| 27 | 1.49 | 4.75 | 7.18 | 45.34 | 61.63 | 48.72 | 13.99 | 4.31 | 2.05 | 1.13 | 2.05 | 0.94 | | |
| 28 | 1.13 | 3.42 | 5.26 | 59.58 | 45.34 | 99.73 | 12.36 | 3.80 | 2.24 | 1.13 | 1.86 | 0.52 | | |
| 29 | 1.13 | 3.05 | 5.51 | 56.86 | 49.40 | 60.61 | 12.03 | 3.80 | 2.05 | 1.31 | | 0.52 | | |
| 30 | 1.13 | 2.42 | 5.01 | 52.79 | 153.97 | 50.75 | 11.71 | 3.61 | 2.05 | 1.49 | | 0.70 | | |
| 31 | | 2.05 | | 60.61 | 167.62 | | 18.59 | | 2.05 | 1.31 | | 0.52 | | |
| Total | 44.16 | 81.28 | 83.47 | 551.17 | 1878.59 | 1883.96 | 3621.12 | 206.78 | 84.01 | 49.85 | 31.59 | 37.84 | 8553.82 | Tonday |
| Mean | 1.47 | 2.62 | 2.78 | 17.78 | 60.60 | 62.80 | 116.81 | 6.89 | 2.71 | 1.61 | 1.13 | 1.22 | | Ton/day |
| Max | 3.80 | 8.47 | 7.18 | 60.61 | 167.62 | 235.23 | 667.56 | 15.96 | 3.61 | 2.24 | 2.05 | 1.86 | 667.56 | Ton/day |
| Min | 0.52 | 0.34 | 1.13 | 3.61 | 16.61 | 27.21 | 11.71 | 3.61 | 2.05 | 1.13 | 0.70 | 0.52 | 0.34 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Dom Yai at Ban Kut Chiang Mun, Ubon Ratchathani (M.153)

Lat 14 - 26 - 41 N Long 105 - 07 - 30 E

**Location : on right bank at the bridge on road.**

**Ban** Kut Chiang Mun **Amphoe** Nam Yuen **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 373 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1999-Cont'd |
| **Actual Measurement** | 1999-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 27 |
| **R-Square** | 0.8849 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.6032\ QW^{1.44020}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.26 | 2.39 | 3.15 | 256.11 | 209.61 | 52.14 | 5.29 | 0.59 | 0.28 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.26 | 0.84 | 2.50 | 168.18 | 198.44 | 2012.99 | 4.83 | 0.59 | 0.23 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.23 | 0.56 | 12.06 | 123.87 | 99.72 | 1772.30 | 4.38 | 0.56 | 0.23 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.31 | 0.52 | 172.41 | 73.95 | 64.32 | 628.62 | 3.74 | 0.56 | 0.21 | 0.00 | 0.00 | | |
| 5 | 0.02 | 0.28 | 2.71 | 112.53 | 59.66 | 52.14 | 323.19 | 3.50 | 0.52 | 0.21 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.26 | 11.05 | 24.18 | 42.16 | 38.08 | 464.18 | 3.38 | 0.46 | 0.18 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.21 | 3.50 | 26.76 | 32.32 | 28.91 | 395.35 | 3.38 | 0.46 | 0.14 | 0.00 | 0.01 | | |
| 8 | 0.18 | 0.04 | 1.70 | 16.37 | 50.68 | 24.18 | 232.50 | 3.27 | 0.43 | 0.11 | 0.00 | 0.00 | | |
| 9 | 0.02 | 1.08 | 2.39 | 11.05 | 40.78 | 34.96 | 1274.68 | 2.60 | 0.43 | 0.11 | 0.00 | 0.00 | | |
| 10 | 0.03 | 0.26 | 2.39 | 6.00 | 87.40 | 40.78 | 1280.91 | 2.50 | 0.37 | 0.11 | 0.00 | 0.00 | | |
| 11 | 0.18 | 0.37 | 1.16 | 17.51 | 42.16 | 21.68 | 433.17 | 5.06 | 0.37 | 0.11 | 0.00 | 0.00 | | |
| 12 | 0.21 | 0.37 | 0.43 | 22.92 | 46.36 | 33.20 | 216.40 | 2.71 | 0.34 | 0.09 | 0.00 | 0.00 | | |
| 13 | 0.08 | 0.66 | 0.77 | 12.58 | 163.98 | 137.52 | 153.64 | 2.39 | 0.34 | 0.09 | 0.00 | 0.00 | | |
| 14 | 0.04 | 0.31 | 0.28 | 12.58 | 225.56 | 277.94 | 127.72 | 2.19 | 0.31 | 0.09 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.16 | 1.60 | 13.63 | 302.82 | 127.72 | 106.98 | 1.99 | 0.31 | 0.59 | 0.00 | 0.00 | | |
| 16 | 0.02 | 0.08 | 1.08 | 8.64 | 172.41 | 118.16 | 87.40 | 1.89 | 0.31 | 0.01 | 0.00 | 0.00 | | |
| 17 | 0.02 | 0.04 | 0.40 | 6.42 | 198.44 | 479.93 | 67.48 | 1.79 | 0.28 | 0.01 | 0.00 | 0.00 | | |
| 18 | 0.02 | 0.04 | 0.31 | 11.55 | 116.27 | 399.08 | 56.62 | 1.60 | 0.28 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.02 | 0.66 | 0.73 | 23.54 | 72.31 | 214.13 | 44.94 | 1.51 | 0.26 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.01 | 1.33 | 0.73 | 19.86 | 145.51 | 907.47 | 33.20 | 1.16 | 0.23 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.01 | 1.79 | 0.63 | 14.71 | 67.48 | 672.04 | 30.60 | 1.00 | 0.21 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.01 | 9.58 | 0.49 | 24.18 | 69.08 | 273.04 | 26.11 | 0.92 | 0.21 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.14 | 4.83 | 1.25 | 127.72 | 108.82 | 166.08 | 21.68 | 1.70 | 0.18 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.14 | 5.06 | 1.89 | 205.12 | 209.61 | 118.16 | 18.09 | 1.51 | 0.34 | 0.00 | 0.00 | 0.01 | | |
| 25 | 3.15 | 1.70 | 0.92 | 237.17 | 280.40 | 89.13 | 15.26 | 1.25 | 0.37 | 0.00 | 0.00 | 6.42 | | |
| 26 | 2.08 | 1.42 | 1.60 | 209.61 | 370.48 | 92.62 | 12.58 | 0.92 | 0.16 | 0.00 | 0.00 | 1.51 | | |
| 27 | 3.27 | 1.33 | 2.19 | 101.52 | 253.72 | 55.11 | 10.06 | 0.70 | 0.14 | 0.00 | 0.00 | 0.46 | | |
| 28 | 3.27 | 0.59 | 1.99 | 105.15 | 137.52 | 205.12 | 8.18 | 0.66 | 0.46 | 0.00 | 0.00 | 0.21 | | |
| 29 | 0.66 | 1.25 | 4.16 | 69.08 | 129.66 | 103.33 | 6.85 | 0.63 | 0.40 | 0.00 | | 0.09 | | |
| 30 | 0.43 | 1.33 | 3.27 | 127.72 | 879.55 | 69.08 | 6.00 | 0.59 | 0.31 | 0.00 | | 0.04 | | |
| 31 | | 4.38 | | 166.08 | 460.27 | | 5.76 | | 0.31 | 0.00 | | 0.04 | | |
| Total | 14.01 | 40.47 | 53.93 | 1924.30 | 5387.52 | 5351.68 | 9925.58 | 69.04 | 11.09 | 2.80 | 0.00 | 8.79 | 22789.21 | Tonday |
| Mean | 0.47 | 1.31 | 1.80 | 62.07 | 173.79 | 178.39 | 320.18 | 2.30 | 0.36 | 0.09 | 0.00 | 0.28 | | Ton/day |
| Max | 3.27 | 9.58 | 11.05 | 237.17 | 879.55 | 907.47 | 2012.99 | 5.29 | 0.59 | 0.59 | 0.00 | 6.42 | 2012.99 | Ton/day |
| Min | 0.00 | 0.04 | 0.28 | 2.50 | 32.32 | 21.68 | 5.76 | 0.59 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Luang at Ban Na Chaluai, Ubon Ratchathani (M.154)

Lat 14 - 27 - 06 N Long 105 - 11 - 34 E

**Location : on left bank at the bridge on road.**

**Ban** Na Chaluai **Amphoe** Na Chaluai **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 210 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1999-Cont'd |
| **Actual Measurement** | 1999-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 27 |
| **R-Square** | 0.8518 |
| **Remarks** | Continued Sediment Station |

$$QS = 6.8336\ QW^{0.89530}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.05 | 3.67 | 6.34 | 7.08 | 16.63 | 73.50 | 55.62 | 18.00 | 6.96 | 4.58 | 3.81 | 3.41 | | |
| 2 | 2.05 | 3.41 | 6.34 | 7.68 | 15.52 | 59.91 | 511.74 | 17.45 | 6.59 | 4.45 | 3.67 | 3.41 | | |
| 3 | 2.05 | 3.14 | 6.09 | 8.64 | 13.84 | 46.82 | 241.66 | 16.90 | 6.47 | 4.45 | 3.67 | 3.28 | | |
| 4 | 2.12 | 3.01 | 5.97 | 7.56 | 12.43 | 39.52 | 168.54 | 14.96 | 6.22 | 4.33 | 3.67 | 3.28 | | |
| 5 | 2.12 | 2.87 | 5.85 | 7.44 | 10.41 | 34.95 | 160.28 | 14.40 | 6.09 | 4.33 | 3.67 | 3.28 | | |
| 6 | 2.26 | 2.46 | 5.72 | 6.83 | 9.00 | 31.39 | 168.54 | 14.12 | 5.97 | 4.33 | 3.67 | 3.28 | | |
| 7 | 2.26 | 2.46 | 5.60 | 6.83 | 9.00 | 26.32 | 134.55 | 13.56 | 5.97 | 4.33 | 3.67 | 3.14 | | |
| 8 | 6.34 | 2.33 | 5.60 | 6.22 | 8.64 | 23.01 | 106.73 | 12.71 | 5.97 | 4.20 | 3.67 | 3.14 | | |
| 9 | 4.58 | 2.33 | 5.47 | 6.22 | 9.53 | 34.95 | 165.01 | 11.57 | 5.97 | 4.20 | 3.67 | 3.14 | | |
| 10 | 4.20 | 2.46 | 3.01 | 5.47 | 15.80 | 30.67 | 211.10 | 10.99 | 5.97 | 4.20 | 3.67 | 3.14 | | |
| 11 | 2.33 | 2.46 | 3.01 | 16.90 | 9.88 | 25.22 | 140.58 | 10.70 | 5.85 | 4.07 | 3.67 | 3.01 | | |
| 12 | 3.41 | 2.33 | 2.33 | 8.52 | 9.18 | 21.25 | 124.14 | 9.88 | 5.60 | 4.07 | 3.54 | 3.01 | | |
| 13 | 3.41 | 2.33 | 2.26 | 7.44 | 14.96 | 88.98 | 84.99 | 9.71 | 5.47 | 4.07 | 3.41 | 3.01 | | |
| 14 | 3.28 | 2.46 | 2.26 | 8.52 | 26.32 | 107.27 | 75.35 | 8.82 | 5.47 | 4.07 | 3.41 | 3.01 | | |
| 15 | 3.28 | 2.33 | 2.26 | 6.96 | 24.85 | 119.43 | 65.57 | 8.64 | 5.47 | 4.07 | 3.41 | 2.87 | | |
| 16 | 3.28 | 2.33 | 2.60 | 6.22 | 23.75 | 87.35 | 53.41 | 8.52 | 5.34 | 4.07 | 3.41 | 3.01 | | |
| 17 | 3.14 | 2.33 | 3.01 | 5.60 | 17.73 | 88.44 | 51.09 | 8.40 | 5.22 | 3.94 | 3.41 | 3.01 | | |
| 18 | 3.14 | 3.41 | 3.01 | 5.60 | 13.56 | 102.47 | 46.08 | 8.17 | 5.22 | 3.94 | 3.41 | 3.01 | | |
| 19 | 3.01 | 11.28 | 3.01 | 5.85 | 11.28 | 87.90 | 42.99 | 8.17 | 5.09 | 3.94 | 3.41 | 3.01 | | |
| 20 | 2.87 | 11.85 | 2.87 | 5.97 | 10.06 | 223.52 | 39.87 | 7.80 | 4.97 | 3.94 | 3.41 | 3.01 | | |
| 21 | 2.46 | 9.53 | 2.87 | 19.63 | 9.53 | 178.14 | 37.07 | 7.68 | 4.97 | 3.94 | 3.41 | 3.01 | | |
| 22 | 2.33 | 8.82 | 3.14 | 15.24 | 16.63 | 137.57 | 33.89 | 9.35 | 4.84 | 3.94 | 3.14 | 3.01 | | |
| 23 | 2.12 | 9.18 | 3.67 | 51.09 | 17.73 | 104.60 | 28.87 | 8.52 | 4.84 | 3.81 | 3.14 | 3.01 | | |
| 24 | 9.71 | 8.05 | 3.81 | 41.26 | 37.77 | 82.25 | 26.69 | 8.05 | 4.84 | 3.81 | 3.14 | 3.01 | | |
| 25 | 7.56 | 7.32 | 3.81 | 25.22 | 21.89 | 72.57 | 25.59 | 7.80 | 4.84 | 3.81 | 3.14 | 3.01 | | |
| 26 | 4.58 | 6.59 | 5.60 | 20.98 | 18.27 | 62.27 | 24.12 | 7.32 | 4.84 | 3.81 | 3.28 | 3.14 | | |
| 27 | 5.47 | 5.72 | 8.52 | 19.09 | 20.44 | 55.62 | 23.01 | 7.20 | 4.71 | 3.81 | 3.41 | 3.01 | | |
| 28 | 3.67 | 6.71 | 8.28 | 31.03 | 16.63 | 54.66 | 22.26 | 7.08 | 4.71 | 3.81 | 3.41 | 2.87 | | |
| 29 | 3.67 | 6.71 | 7.20 | 19.09 | 73.04 | 64.16 | 20.17 | 6.96 | 4.71 | 3.81 | | 2.87 | | |
| 30 | 3.67 | 6.34 | 6.59 | 16.35 | 167.95 | 61.33 | 19.90 | 6.83 | 4.71 | 3.81 | | 2.74 | | |
| 31 | | 6.22 | | 16.35 | 102.47 | | 18.82 | | 4.58 | 3.81 | | 2.74 | | |
| Total | 106.42 | 152.44 | 136.10 | 422.88 | 784.72 | 2226.04 | 2928.23 | 310.26 | 168.47 | 125.75 | 97.40 | 94.88 | 7553.59 | Tonday |
| Mean | 3.55 | 4.92 | 4.54 | 13.64 | 25.31 | 74.20 | 94.46 | 10.34 | 5.43 | 4.06 | 3.48 | 3.06 | | Ton/day |
| Max | 9.71 | 11.85 | 8.52 | 51.09 | 167.95 | 223.52 | 511.74 | 18.00 | 6.96 | 4.58 | 3.81 | 3.41 | 511.74 | Ton/day |
| Min | 2.05 | 2.33 | 2.26 | 5.47 | 8.64 | 21.25 | 18.82 | 6.83 | 4.58 | 3.81 | 3.14 | 2.74 | 2.05 | Ton/day |

## WATER YEAR : 2006

### MUN RIVER BASIN

### Huai Lam Phong at Ban Nikhom, Yasothon (M.157)

Lat 15 - 48 - 17 N Long 104 - 19 - 52 E

**Location : on right bank at the bridge of Arun Prasoet road.**

**Ban** Nikhom **Amphoe** Pa Tio **Changwat** Yasothon

| | |
|---|---|
| **Drainge Area** | 729 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997, 2002 - Cont'd |
| **Actual Measurement** | 1997 – 1998,2000 - Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 18 |
| **R-Square** | 0.9301 |
| **Remarks** | Continued Sediment Station |

$$QS = 6.8069\ QW^{0.86990}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 25.67 | 215.23 | 188.47 | 17.70 | 12.98 | 3.40 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 30.46 | 232.44 | 218.93 | 17.70 | 12.98 | 3.07 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 31.41 | 240.10 | 259.10 | 17.70 | 12.98 | 2.73 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 28.56 | 238.19 | 294.49 | 17.70 | 12.98 | 2.39 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 22.73 | 192.07 | 322.61 | 17.70 | 12.98 | 2.04 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 21.24 | 62.11 | 351.68 | 17.19 | 12.44 | 1.68 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.00 | 0.00 | 14.05 | 20.24 | 22.73 | 383.47 | 16.67 | 12.44 | 1.31 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.00 | 0.00 | 15.63 | 18.72 | 20.24 | 423.51 | 16.67 | 12.44 | 0.92 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.00 | 15.10 | 18.21 | 19.23 | 445.77 | 16.15 | 12.44 | 0.50 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 0.00 | 14.58 | 17.70 | 19.23 | 436.89 | 15.63 | 12.44 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.00 | 0.00 | 15.63 | 16.15 | 20.74 | 419.04 | 15.10 | 11.90 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.00 | 0.00 | 15.10 | 15.63 | 21.74 | 398.17 | 14.58 | 11.90 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.00 | 0.00 | 14.58 | 15.10 | 20.74 | 370.80 | 14.58 | 11.90 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.00 | 0.00 | 14.05 | 17.70 | 19.74 | 338.84 | 14.05 | 11.90 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.00 | 0.00 | 13.52 | 26.64 | 18.72 | 306.59 | 14.05 | 11.90 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.00 | 13.52 | 41.55 | 18.21 | 262.88 | 13.52 | 11.35 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 12.98 | 93.80 | 19.74 | 193.87 | 13.52 | 11.35 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.00 | 0.00 | 12.98 | 103.52 | 23.72 | 106.28 | 13.52 | 11.35 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.00 | 0.00 | 12.98 | 84.53 | 29.52 | 30.46 | 13.52 | 11.35 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.00 | 0.00 | 12.98 | 56.97 | 36.07 | 24.70 | 13.52 | 10.80 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.00 | 0.00 | 13.52 | 46.92 | 50.45 | 22.24 | 13.52 | 10.25 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.00 | 0.00 | 16.15 | 23.72 | 50.45 | 21.74 | 13.52 | 9.69 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.00 | 0.00 | 16.15 | 22.24 | 25.67 | 20.74 | 13.52 | 8.55 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.00 | 0.00 | 16.15 | 21.24 | 20.24 | 19.74 | 13.52 | 7.40 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.00 | 0.00 | 25.67 | 29.52 | 22.24 | 19.23 | 12.98 | 6.51 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.00 | 0.00 | 22.24 | 33.29 | 35.15 | 18.72 | 12.98 | 5.91 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.00 | 0.00 | 20.24 | 34.22 | 80.86 | 18.72 | 12.98 | 5.30 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.00 | 0.00 | 19.74 | 29.52 | 122.01 | 18.21 | 12.44 | 4.68 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.00 | 0.00 | 18.72 | 32.35 | 149.83 | 18.21 | 11.90 | 4.05 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.00 | 0.00 | 18.72 | 93.80 | 168.13 | 18.21 | 11.35 | 3.72 | 0.00 | | 0.00 | | |
| 31 | | 0.00 | | 20.74 | 173.06 | | 17.70 | | 3.72 | 0.00 | | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | 405.72 | 1246.41 | 2215.54 | 5990.01 | 439.48 | 312.58 | 18.04 | 0.00 | 0.00 | 10627.78 | Tonday |
| Mean | 0.00 | 0.00 | 0.00 | 13.09 | 40.21 | 73.85 | 193.23 | 14.65 | 10.08 | 0.58 | 0.00 | 0.00 | | Ton/day |
| Max | 0.00 | 0.00 | 0.00 | 25.67 | 173.06 | 240.10 | 445.77 | 17.70 | 12.98 | 3.40 | 0.00 | 0.00 | 445.77 | Ton/day |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 15.10 | 18.21 | 17.70 | 11.35 | 3.72 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Chi at Ban Lum Din, Surin (M.159)

Lat 15 - 08 - 24 N Long 103 - 25 - 57 E

**Location : on right bank at Ban Lum Din.**

**Ban** Lum Din **Amphoe** Chom Phra **Changwat** Surin

| | |
|---|---|
| **Drainge Area** | 4,806 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont'd |
| **Actual Measurement** | 2005-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 33 |
| **R-Square** | 0.9513 |
| **Remarks** | Continued Sediment Station |

$$QS = 8.0062\ QW^{0.92860}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.50 | 3.50 | 65.40 | 589.64 | 568.24 | 868.81 | 100.51 | 0.00 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.50 | 3.74 | 100.51 | 560.20 | 787.21 | 841.20 | 83.56 | 0.00 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.50 | 4.05 | 204.68 | 544.09 | 1606.89 | 796.24 | 71.07 | 0.00 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.59 | 4.28 | 315.10 | 511.77 | 2050.75 | 763.15 | 56.49 | 0.00 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.59 | 4.60 | 361.93 | 490.13 | 2071.37 | 724.21 | 45.53 | 0.00 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.68 | 4.98 | 413.52 | 438.17 | 2120.79 | 701.05 | 37.67 | 0.00 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.11 | 0.68 | 5.29 | 445.54 | 317.35 | 2166.02 | 677.83 | 31.02 | 0.00 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.11 | 0.77 | 5.67 | 452.90 | 196.55 | 2182.45 | 648.18 | 26.30 | 0.00 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.11 | 0.77 | 6.05 | 381.86 | 138.27 | 2223.47 | 621.62 | 20.83 | 0.00 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.11 | 0.86 | 6.51 | 350.83 | 206.70 | 2293.09 | 610.97 | 14.53 | 0.00 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.11 | 0.86 | 6.88 | 328.54 | 188.40 | 2301.27 | 570.92 | 8.75 | 0.00 | 0.00 | 0.00 | | |
| 12 | 0.00 | 0.11 | 0.94 | 7.63 | 290.36 | 186.36 | 2252.16 | 546.78 | 7.26 | 0.00 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.11 | 1.03 | 7.86 | 222.87 | 192.48 | 2170.13 | 525.26 | 5.75 | 0.00 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.11 | 1.12 | 8.01 | 167.90 | 190.44 | 2071.37 | 487.42 | 4.98 | 0.00 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.11 | 1.20 | 8.01 | 136.48 | 172.02 | 1968.10 | 460.26 | 3.81 | 0.00 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.11 | 1.29 | 8.75 | 231.20 | 208.73 | 1870.29 | 435.71 | 1.80 | 0.00 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.11 | 1.38 | 10.94 | 487.42 | 247.24 | 1795.88 | 408.58 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.21 | 1.46 | 12.39 | 584.29 | 333.00 | 1713.35 | 381.86 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.21 | 1.54 | 16.65 | 653.48 | 398.68 | 1622.61 | 357.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.21 | 1.63 | 20.14 | 703.95 | 438.17 | 1526.27 | 326.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.21 | 1.80 | 24.94 | 763.15 | 460.26 | 1429.86 | 297.13 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.21 | 1.88 | 37.67 | 865.70 | 386.28 | 1379.49 | 272.27 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 0.00 | 0.21 | 2.05 | 41.61 | 995.17 | 361.93 | 1326.87 | 249.52 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 0.00 | 0.31 | 2.21 | 39.65 | 1098.93 | 339.70 | 1262.00 | 224.88 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 0.00 | 0.31 | 2.37 | 36.68 | 1177.14 | 339.70 | 1212.55 | 206.70 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 0.00 | 0.31 | 2.54 | 39.65 | 1070.38 | 368.59 | 1177.14 | 184.31 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.31 | 2.70 | 52.32 | 1016.70 | 403.63 | 1116.74 | 165.84 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.31 | 2.86 | 55.21 | 924.93 | 460.26 | 1048.93 | 145.42 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | 0.00 | 0.40 | 3.10 | 50.39 | 817.26 | 509.07 | 984.39 | 127.79 | 0.00 | 0.00 | | 0.00 | | |
| 30 | 0.00 | 0.40 | 3.26 | 49.42 | 732.99 | 554.83 | 918.22 | 112.70 | 0.00 | 0.00 | | 0.00 | | |
| 31 | | 0.40 | | 52.32 | 629.60 | | 914.87 | | 0.00 | 0.00 | | 0.00 | | |
| Total | 0.00 | 5.22 | 43.66 | 635.79 | 16990.71 | 10732.64 | 50132.77 | 13740.41 | 519.86 | 0.00 | 0.00 | 0.00 | 92801.06 | Tonday |
| Mean | 0.00 | 0.17 | 1.46 | 20.51 | 548.09 | 357.75 | 1617.19 | 458.01 | 16.77 | 0.00 | 0.00 | 0.00 | | Ton/day |
| Max | 0.00 | 0.40 | 3.26 | 55.21 | 1177.14 | 589.64 | 2301.27 | 868.81 | 100.51 | 0.00 | 0.00 | 0.00 | 2301.27 | Ton/day |
| Min | 0.00 | 0.00 | 0.50 | 3.50 | 65.40 | 138.27 | 568.24 | 112.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Dom Yai at Ban Kham Samran, Ubon Ratchathani (M.170)

Lat 14 - 47 - 19 N Long 105 - 06 - 10 E

**Location : on right bank at the bridge.**

**Ban** Kham Samran **Amphoe** Det Udom **Changwat** Ubon Ratchathani

| | |
|---|---|
| **Drainge Area** | 1,745 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 30 |
| **R-Square** | 0.9267 |
| **Remarks** | Continued Sediment Station |

$$QS = 7.5343\ QW^{0.99060}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 7.91 | 18.67 | 37.11 | 546.90 | 1238.24 | 572.69 | 133.80 | 27.17 | 11.63 | 6.04 | 2.66 | | |
| 2 | 0.39 | 6.79 | 17.93 | 38.21 | 687.20 | 1224.02 | 1145.77 | 130.17 | 26.06 | 11.26 | 6.41 | 2.66 | | |
| 3 | 0.77 | 5.29 | 17.56 | 47.02 | 612.79 | 1078.15 | 2048.90 | 122.90 | 26.06 | 11.26 | 6.04 | 2.66 | | |
| 4 | 1.15 | 4.17 | 14.97 | 52.52 | 450.07 | 650.00 | 2326.14 | 111.99 | 24.59 | 11.26 | 5.67 | 2.66 | | |
| 5 | 1.91 | 3.04 | 17.93 | 71.90 | 334.33 | 412.36 | 2494.31 | 102.90 | 22.37 | 11.26 | 5.67 | 2.66 | | |
| 6 | 1.15 | 2.66 | 16.82 | 130.17 | 275.96 | 359.52 | 2494.31 | 84.68 | 21.63 | 10.89 | 5.29 | 2.29 | | |
| 7 | 0.77 | 2.29 | 18.67 | 106.54 | 231.56 | 336.85 | 2425.08 | 79.21 | 20.15 | 10.51 | 5.29 | 2.29 | | |
| 8 | 0.39 | 2.29 | 22.37 | 86.50 | 184.55 | 280.29 | 2202.41 | 79.21 | 19.41 | 10.51 | 5.29 | 2.29 | | |
| 9 | 0.00 | 2.66 | 18.67 | 68.98 | 175.50 | 273.79 | 2088.53 | 77.38 | 18.67 | 10.51 | 4.92 | 2.29 | | |
| 10 | 0.00 | 3.04 | 16.82 | 50.32 | 162.82 | 308.40 | 2078.62 | 70.08 | 18.30 | 10.14 | 4.92 | 1.91 | | |
| 11 | 0.00 | 3.79 | 14.97 | 70.08 | 164.63 | 291.10 | 2029.08 | 68.98 | 17.56 | 9.77 | 4.54 | 1.91 | | |
| 12 | 0.00 | 3.42 | 13.12 | 133.80 | 170.07 | 246.01 | 2113.29 | 64.59 | 17.19 | 9.77 | 4.17 | 1.91 | | |
| 13 | 0.00 | 3.04 | 11.26 | 157.38 | 566.96 | 240.59 | 2177.66 | 64.59 | 16.82 | 9.40 | 3.79 | 1.53 | | |
| 14 | 0.00 | 2.29 | 9.40 | 142.87 | 1469.15 | 477.70 | 2103.38 | 64.59 | 16.45 | 9.03 | 3.79 | 1.53 | | |
| 15 | 0.00 | 3.42 | 7.53 | 130.17 | 1473.41 | 650.00 | 1929.98 | 60.21 | 16.08 | 8.65 | 3.79 | 1.53 | | |
| 16 | 0.00 | 3.42 | 7.16 | 102.90 | 1383.94 | 627.11 | 1520.26 | 52.52 | 15.71 | 8.65 | 3.42 | 3.79 | | |
| 17 | 1.91 | 2.66 | 7.53 | 101.08 | 1366.89 | 644.28 | 1053.23 | 49.22 | 15.34 | 8.65 | 3.42 | 5.67 | | |
| 18 | 2.29 | 1.91 | 9.77 | 82.85 | 1259.57 | 698.64 | 707.21 | 48.12 | 14.97 | 8.28 | 3.42 | 11.26 | | |
| 19 | 2.29 | 2.29 | 9.77 | 67.88 | 1017.61 | 717.94 | 564.09 | 42.62 | 14.60 | 8.28 | 3.04 | 9.77 | | |
| 20 | 3.04 | 3.04 | 9.40 | 67.88 | 760.81 | 760.81 | 460.12 | 37.11 | 13.12 | 7.91 | 3.04 | 7.53 | | |
| 21 | 2.66 | 14.97 | 9.40 | 75.56 | 589.88 | 821.51 | 389.72 | 34.90 | 11.26 | 7.16 | 3.04 | 5.67 | | |
| 22 | 3.04 | 23.11 | 11.26 | 81.03 | 564.09 | 939.22 | 359.52 | 34.90 | 3.79 | 7.16 | 2.66 | 3.79 | | |
| 23 | 3.04 | 31.59 | 11.26 | 113.81 | 707.21 | 967.73 | 312.72 | 37.11 | 4.92 | 7.16 | 2.66 | 3.79 | | |
| 24 | 3.79 | 37.11 | 13.86 | 330.01 | 1003.36 | 892.87 | 260.45 | 37.11 | 4.54 | 6.79 | 2.66 | 3.79 | | |
| 25 | 5.67 | 31.59 | 16.45 | 538.30 | 1177.79 | 767.95 | 226.14 | 31.59 | 4.17 | 6.79 | 2.66 | 3.79 | | |
| 26 | 7.53 | 26.06 | 22.37 | 621.38 | 1063.91 | 497.79 | 200.84 | 26.06 | 3.79 | 6.79 | 2.29 | 3.79 | | |
| 27 | 9.40 | 23.85 | 26.06 | 522.89 | 939.22 | 515.36 | 184.55 | 26.06 | 3.79 | 6.79 | 2.29 | 13.12 | | |
| 28 | 11.26 | 20.15 | 31.59 | 409.85 | 753.67 | 485.24 | 175.50 | 29.38 | 3.79 | 6.41 | 2.66 | 14.97 | | |
| 29 | 11.26 | 16.45 | 37.11 | 367.07 | 607.06 | 627.11 | 161.01 | 28.27 | 3.79 | 6.04 | | 23.85 | | |
| 30 | 11.63 | 14.97 | 37.11 | 362.03 | 785.81 | 592.74 | 151.94 | 28.27 | 3.79 | 5.67 | | 11.26 | | |
| 31 | | 20.89 | | 362.03 | 1170.67 | | 142.87 | | 3.79 | 5.67 | | 9.40 | | |
| Total | 85.34 | 330.16 | 496.79 | 5530.12 | 22657.39 | 18623.32 | 37100.32 | 1858.52 | 433.67 | 270.05 | 112.88 | 168.02 | 87666.58 | Tonday |
| Mean | 2.84 | 10.65 | 16.56 | 178.39 | 730.88 | 620.78 | 1196.78 | 61.95 | 13.99 | 8.71 | 4.03 | 5.42 | | Ton/day |
| Max | 11.63 | 37.11 | 37.11 | 621.38 | 1473.41 | 1238.24 | 2494.31 | 133.80 | 27.17 | 11.63 | 6.41 | 23.85 | 2494.31 | Ton/day |
| Min | 0.00 | 1.91 | 7.16 | 37.11 | 162.82 | 240.59 | 142.87 | 26.06 | 3.79 | 5.67 | 2.29 | 1.53 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Phra Phloeng at Ban Non Sao - E, Nakhon Ratchasima (M.171)

Lat 14 - 29 - 58 N Long 101 - 46 - 22 E

**Location : on right bank at Ban Non Sao - E.**

**Ban** Non Sao - E **Amphoe** Wang Nam Khieo **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 553 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 171 |
| **R-Square** | 0.7473 |
| **Remarks** | Continued Sediment Station |

$$QS = 14.1840\ QW^{1.36210}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120.15 | 2.75 | 41.52 | 12.29 | 36.46 | 274.33 | 409.08 | 46.74 | 24.64 | 3.39 | 0.00 | 0.00 | | |
| 2 | 34.00 | 4.07 | 34.00 | 11.37 | 36.46 | 189.23 | 3487.72 | 36.46 | 24.64 | 3.39 | 0.00 | 0.00 | | |
| 3 | 18.18 | 4.07 | 31.59 | 13.23 | 36.46 | 189.23 | 5019.62 | 34.00 | 24.64 | 3.39 | 0.00 | 0.00 | | |
| 4 | 13.23 | 3.39 | 20.28 | 14.18 | 34.00 | 127.02 | 2695.38 | 31.59 | 24.64 | 4.07 | 0.00 | 0.00 | | |
| 5 | 10.47 | 24.64 | 13.23 | 10.47 | 31.59 | 189.23 | 4139.68 | 31.59 | 22.43 | 4.07 | 0.00 | 0.00 | | |
| 6 | 7.89 | 63.34 | 12.29 | 5.52 | 29.22 | 216.66 | 6917.71 | 31.59 | 20.28 | 4.07 | 0.00 | 0.00 | | |
| 7 | 5.52 | 26.90 | 7.89 | 4.78 | 24.64 | 259.58 | 3579.02 | 31.59 | 18.18 | 4.07 | 0.00 | 0.00 | | |
| 8 | 4.78 | 20.28 | 4.78 | 12.29 | 20.28 | 113.38 | 2301.34 | 29.22 | 14.18 | 2.15 | 0.00 | 0.00 | | |
| 9 | 12.29 | 18.18 | 4.78 | 36.46 | 20.28 | 148.22 | 4044.74 | 29.22 | 14.18 | 1.07 | 0.00 | 0.00 | | |
| 10 | 11.37 | 16.15 | 4.78 | 24.64 | 26.90 | 230.74 | 8473.48 | 41.52 | 14.18 | 1.07 | 0.00 | 0.00 | | |
| 11 | 13.23 | 14.18 | 4.07 | 18.18 | 24.64 | 1348.02 | 6917.71 | 36.46 | 12.29 | 0.62 | 0.00 | 0.00 | | |
| 12 | 13.23 | 18.18 | 4.07 | 31.59 | 20.28 | 686.71 | 2365.86 | 31.59 | 10.47 | 0.62 | 0.00 | 0.00 | | |
| 13 | 11.37 | 18.18 | 4.07 | 22.43 | 20.28 | 289.30 | 1683.57 | 26.90 | 10.47 | 1.58 | 0.00 | 0.00 | | |
| 14 | 10.47 | 14.18 | 3.39 | 13.23 | 22.43 | 216.66 | 3307.01 | 24.64 | 10.47 | 1.58 | 0.00 | 0.00 | | |
| 15 | 9.59 | 13.23 | 2.75 | 11.37 | 29.22 | 304.48 | 2430.84 | 20.28 | 9.59 | 2.15 | 0.00 | 0.00 | | |
| 16 | 8.73 | 11.37 | 2.15 | 11.37 | 31.59 | 521.37 | 561.56 | 18.18 | 9.59 | 1.58 | 0.00 | 0.00 | | |
| 17 | 7.07 | 11.37 | 2.15 | 36.46 | 34.00 | 498.34 | 304.48 | 20.28 | 9.59 | 1.07 | 0.00 | 0.00 | | |
| 18 | 24.64 | 16.15 | 2.15 | 366.26 | 29.22 | 1098.59 | 216.66 | 18.18 | 8.73 | 1.07 | 0.00 | 0.00 | | |
| 19 | 14.18 | 106.72 | 1.58 | 729.87 | 13.23 | 274.33 | 189.23 | 16.15 | 8.73 | 1.07 | 0.00 | 0.00 | | |
| 20 | 87.40 | 63.34 | 3.39 | 1196.73 | 11.37 | 2866.72 | 162.82 | 14.18 | 7.07 | 0.62 | 0.00 | 0.00 | | |
| 21 | 69.16 | 63.34 | 9.59 | 909.24 | 8.73 | 1050.37 | 175.90 | 14.18 | 5.52 | 0.62 | 0.00 | 0.00 | | |
| 22 | 69.16 | 87.40 | 22.43 | 289.30 | 7.07 | 561.56 | 155.48 | 26.90 | 4.78 | 0.24 | 0.00 | 0.00 | | |
| 23 | 52.12 | 148.22 | 46.74 | 155.48 | 7.07 | 1566.38 | 113.38 | 20.28 | 4.78 | 0.00 | 0.00 | 0.00 | | |
| 24 | 26.90 | 113.38 | 29.22 | 93.73 | 7.07 | 366.26 | 87.40 | 18.18 | 4.78 | 0.00 | 1.58 | 4.78 | | |
| 25 | 13.23 | 93.73 | 14.18 | 141.06 | 22.43 | 202.82 | 81.20 | 16.15 | 4.07 | 0.00 | 0.24 | 0.62 | | |
| 26 | 7.07 | 87.40 | 13.23 | 93.73 | 52.12 | 304.48 | 81.20 | 14.18 | 4.07 | 0.00 | 0.00 | 0.00 | | |
| 27 | 4.78 | 52.12 | 13.23 | 81.20 | 36.46 | 1147.38 | 75.11 | 24.64 | 4.07 | 0.00 | 0.00 | 0.00 | | |
| 28 | 4.78 | 20.28 | 14.18 | 93.73 | 52.12 | 1924.50 | 69.16 | 41.52 | 4.07 | 0.00 | 0.00 | 0.62 | | |
| 29 | 4.07 | 36.46 | 12.29 | 75.11 | 41.52 | 1802.96 | 63.34 | 31.59 | 4.07 | 0.00 | | 0.00 | | |
| 30 | 4.07 | 120.15 | 12.29 | 63.34 | 729.87 | 521.37 | 57.66 | 24.64 | 4.07 | 0.00 | | 0.00 | | |
| 31 | | 106.72 | | 41.52 | 1196.73 | | 52.12 | | 4.07 | 0.00 | | 0.00 | | |
| Total | 693.13 | 1399.87 | 392.29 | 4620.16 | 2693.74 | 19490.22 | 60219.46 | 802.62 | 347.34 | 43.56 | 1.82 | 6.02 | 90710.23 | Tonday |
| Mean | 23.10 | 45.16 | 13.08 | 149.04 | 86.89 | 649.67 | 1942.56 | 26.75 | 11.20 | 1.41 | 0.07 | 0.19 | | Ton/day |
| Max | 120.15 | 148.22 | 46.74 | 1196.73 | 1196.73 | 2866.72 | 8473.48 | 46.74 | 24.64 | 4.07 | 1.58 | 4.78 | 8473.48 | Ton/day |
| Min | 4.07 | 2.75 | 1.58 | 4.78 | 7.07 | 113.38 | 52.12 | 14.18 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Huai Khayung at Ban Non Si Khlai, Si Sa Ket (M.176)

Lat 15 - 00 - 18 N Long 104 - 38 - 14 E

**Location : on left bank at Ban Non Si Khlai.**

**Ban** Non Si Khlai **Amphoe** Kanthararom **Changwat** Si Sa Ket

| | |
|---|---|
| **Drainge Area** | 3,131 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.8647 |
| **Remarks** | Continued Sediment Station |

$$QS = 7.1106\ QW^{1.00260}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.19 | 29.98 | 25.68 | 17.10 | 85.02 | 1355.12 | 822.67 | 485.25 | 43.79 | 8.54 | 6.75 | 4.47 | | |
| 2 | 3.76 | 32.12 | 21.39 | 20.68 | 102.03 | 1340.66 | 1169.06 | 452.82 | 40.00 | 7.11 | 6.75 | 4.47 | | |
| 3 | 3.41 | 36.42 | 19.25 | 20.68 | 148.35 | 1260.09 | 2026.86 | 429.26 | 37.13 | 7.11 | 6.26 | 4.12 | | |
| 4 | 3.55 | 37.13 | 17.10 | 19.25 | 140.81 | 1156.06 | 2386.49 | 406.56 | 36.42 | 6.75 | 6.04 | 4.12 | | |
| 5 | 4.12 | 34.99 | 13.53 | 18.53 | 106.34 | 920.27 | 3077.17 | 380.63 | 34.27 | 6.26 | 5.90 | 3.90 | | |
| 6 | 3.55 | 33.55 | 10.68 | 16.39 | 81.43 | 619.21 | 3453.83 | 353.04 | 29.98 | 5.90 | 5.54 | 4.12 | | |
| 7 | 3.90 | 31.41 | 7.82 | 14.96 | 70.67 | 506.87 | 3490.05 | 330.36 | 26.40 | 6.26 | 5.54 | 4.26 | | |
| 8 | 3.41 | 32.12 | 6.97 | 17.82 | 63.50 | 456.42 | 3432.09 | 301.56 | 24.97 | 6.04 | 5.33 | 4.12 | | |
| 9 | 3.05 | 34.27 | 6.61 | 24.25 | 55.40 | 430.84 | 3330.68 | 281.41 | 22.82 | 5.69 | 5.33 | 3.76 | | |
| 10 | 3.05 | 31.41 | 6.40 | 22.82 | 52.75 | 438.98 | 3200.30 | 254.06 | 20.68 | 5.54 | 5.33 | 4.47 | | |
| 11 | 3.05 | 29.26 | 6.26 | 20.68 | 53.61 | 432.50 | 3077.17 | 229.60 | 17.82 | 5.33 | 5.19 | 5.69 | | |
| 12 | 2.70 | 27.83 | 5.69 | 32.84 | 58.99 | 426.01 | 2946.82 | 202.27 | 14.25 | 5.54 | 4.83 | 6.04 | | |
| 13 | 2.48 | 26.40 | 5.54 | 53.61 | 104.18 | 378.97 | 2784.63 | 180.70 | 15.68 | 6.75 | 4.62 | 6.75 | | |
| 14 | 2.13 | 19.25 | 5.19 | 63.50 | 264.13 | 367.66 | 2595.67 | 159.35 | 14.96 | 7.82 | 4.47 | 7.82 | | |
| 15 | 1.77 | 13.53 | 4.83 | 57.19 | 553.73 | 445.61 | 2369.12 | 139.73 | 14.25 | 7.11 | 4.47 | 8.54 | | |
| 16 | 1.77 | 14.96 | 4.83 | 47.38 | 702.31 | 535.93 | 1981.29 | 124.65 | 14.25 | 6.61 | 4.47 | 8.54 | | |
| 17 | 1.63 | 12.10 | 4.47 | 42.86 | 806.22 | 601.33 | 1598.35 | 112.80 | 11.39 | 6.26 | 4.97 | 8.54 | | |
| 18 | 1.77 | 10.68 | 5.54 | 39.28 | 822.67 | 623.18 | 1530.76 | 96.64 | 10.68 | 6.26 | 5.54 | 6.97 | | |
| 19 | 1.98 | 14.25 | 8.54 | 37.85 | 665.52 | 765.08 | 1097.91 | 84.09 | 9.96 | 5.90 | 5.69 | 5.90 | | |
| 20 | 1.77 | 29.98 | 7.82 | 35.70 | 555.75 | 907.63 | 991.03 | 76.91 | 11.39 | 5.54 | 6.61 | 5.33 | | |
| 21 | 1.98 | 50.03 | 9.25 | 27.83 | 290.04 | 876.59 | 917.74 | 71.53 | 14.25 | 5.33 | 7.82 | 5.33 | | |
| 22 | 2.48 | 69.74 | 12.10 | 22.11 | 411.39 | 853.13 | 850.82 | 80.50 | 17.10 | 5.33 | 7.11 | 4.97 | | |
| 23 | 3.55 | 73.33 | 15.68 | 31.41 | 440.57 | 839.06 | 799.72 | 84.09 | 15.68 | 5.19 | 7.11 | 4.83 | | |
| 24 | 4.47 | 70.67 | 13.53 | 51.82 | 476.24 | 762.92 | 749.93 | 78.71 | 17.10 | 4.97 | 6.26 | 4.83 | | |
| 25 | 14.25 | 73.33 | 10.68 | 60.78 | 537.87 | 689.32 | 704.47 | 76.91 | 17.82 | 4.83 | 5.33 | 4.47 | | |
| 26 | 23.54 | 83.23 | 11.39 | 67.95 | 597.36 | 723.95 | 669.85 | 73.33 | 18.53 | 4.83 | 4.47 | 4.47 | | |
| 27 | 22.82 | 83.23 | 17.82 | 72.47 | 680.67 | 765.08 | 633.06 | 65.29 | 18.53 | 4.83 | 4.97 | 4.12 | | |
| 28 | 25.68 | 68.88 | 22.82 | 66.15 | 659.03 | 799.72 | 603.35 | 58.99 | 16.39 | 5.19 | 5.90 | 3.90 | | |
| 29 | 25.68 | 58.13 | 19.25 | 67.95 | 780.24 | 801.89 | 567.65 | 54.54 | 14.96 | 6.04 | | 4.26 | | |
| 30 | 27.83 | 40.71 | 15.68 | 74.26 | 885.98 | 820.29 | 535.93 | 49.17 | 12.10 | 6.61 | | 4.62 | | |
| 31 | | 32.12 | | 75.12 | 1234.08 | | 510.48 | | 10.68 | 6.61 | | 4.83 | | |
| Total | 208.32 | 1235.04 | 342.34 | 1241.22 | 12486.88 | 21900.37 | 54904.95 | 5774.75 | 624.23 | 188.08 | 158.60 | 162.56 | 99227.34 | Tonday |
| Mean | 6.94 | 39.84 | 11.41 | 40.04 | 402.80 | 730.01 | 1771.13 | 192.49 | 20.14 | 6.07 | 5.66 | 5.24 | | Ton/day |
| Max | 27.83 | 83.23 | 25.68 | 75.12 | 1234.08 | 1355.12 | 3490.05 | 485.25 | 43.79 | 8.54 | 7.82 | 8.54 | 3490.05 | Ton/day |
| Min | 1.63 | 10.68 | 4.47 | 14.96 | 52.75 | 367.66 | 510.48 | 49.17 | 9.96 | 4.83 | 4.47 | 3.76 | 1.63 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Ta Khong at Ban Non Sawang, Nakhon Ratchasima (M.177)

Lat 14 - 50 - 57 N Long 101 - 37 - 12 E

**Location : on right bank at the bridge.**

**Ban** Non Sawang **Amphoe** Si Khiu **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 1,519 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 27 |
| **R-Square** | 0.7725 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.1089\ QW^{1.12910}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26.99 | 24.48 | 17.76 | 50.45 | 82.29 | 41.76 | 12.17 | 36.60 | 11.89 | 18.36 | 27.62 | 35.30 | | |
| 2 | 26.99 | 23.24 | 17.46 | 69.15 | 54.33 | 54.33 | 17.76 | 36.60 | 11.89 | 25.11 | 27.62 | 35.30 | | |
| 3 | 26.99 | 22.01 | 17.76 | 90.25 | 55.30 | 54.33 | 45.79 | 36.60 | 12.17 | 24.48 | 27.62 | 35.30 | | |
| 4 | 26.99 | 22.63 | 17.76 | 90.25 | 58.24 | 55.30 | 17.16 | 36.60 | 12.17 | 22.63 | 27.62 | 35.30 | | |
| 5 | 26.99 | 22.63 | 17.16 | 116.44 | 71.15 | 64.16 | 12.46 | 36.60 | 12.17 | 22.63 | 27.62 | 35.30 | | |
| 6 | 26.99 | 30.15 | 17.16 | 116.44 | 70.15 | 64.16 | 11.89 | 36.60 | 12.17 | 22.63 | 27.62 | 35.30 | | |
| 7 | 27.62 | 27.62 | 16.86 | 113.79 | 68.15 | 52.39 | 10.02 | 36.60 | 12.17 | 22.63 | 28.88 | 35.30 | | |
| 8 | 26.36 | 26.99 | 17.16 | 112.46 | 67.15 | 51.42 | 6.04 | 36.60 | 14.50 | 23.24 | 28.88 | 35.30 | | |
| 9 | 17.46 | 28.25 | 18.36 | 112.46 | 79.23 | 55.30 | 5.29 | 36.60 | 14.50 | 27.62 | 11.32 | 35.30 | | |
| 10 | 17.16 | 26.99 | 20.78 | 112.46 | 78.22 | 51.42 | 56.28 | 36.60 | 14.20 | 32.07 | 23.86 | 35.30 | | |
| 11 | 18.96 | 21.40 | 21.40 | 112.46 | 78.22 | 42.56 | 54.33 | 36.60 | 14.20 | 50.45 | 23.86 | 34.65 | | |
| 12 | 18.66 | 19.26 | 21.40 | 112.46 | 78.22 | 32.07 | 18.06 | 36.60 | 14.20 | 51.42 | 24.48 | 28.88 | | |
| 13 | 23.86 | 27.62 | 21.40 | 112.46 | 78.22 | 37.90 | 13.33 | 37.90 | 13.33 | 59.22 | 27.62 | 32.07 | | |
| 14 | 28.88 | 26.99 | 22.01 | 112.46 | 82.29 | 29.52 | 9.30 | 38.56 | 13.33 | 59.22 | 28.88 | 34.00 | | |
| 15 | 28.88 | 26.99 | 23.24 | 112.46 | 53.36 | 25.11 | 13.62 | 25.73 | 13.33 | 58.24 | 33.36 | 34.00 | | |
| 16 | 29.52 | 22.63 | 25.11 | 112.46 | 60.21 | 32.07 | 14.20 | 22.01 | 13.33 | 58.24 | 33.36 | 33.36 | | |
| 17 | 28.88 | 26.99 | 27.62 | 104.56 | 59.22 | 29.52 | 24.48 | 16.56 | 13.33 | 58.24 | 33.36 | 32.71 | | |
| 18 | 29.52 | 26.99 | 27.62 | 86.39 | 59.22 | 25.73 | 23.24 | 15.97 | 13.33 | 58.24 | 33.36 | 34.00 | | |
| 19 | 29.52 | 27.62 | 27.62 | 62.18 | 59.22 | 16.86 | 22.63 | 15.38 | 13.33 | 58.24 | 33.36 | 34.00 | | |
| 20 | 30.15 | 27.62 | 27.62 | 32.07 | 59.22 | 9.07 | 22.01 | 14.20 | 13.33 | 58.24 | 35.30 | 34.00 | | |
| 21 | 31.43 | 27.62 | 27.62 | 13.33 | 54.33 | 13.04 | 22.01 | 14.50 | 13.33 | 64.16 | 35.30 | 34.00 | | |
| 22 | 34.00 | 21.40 | 26.99 | 38.56 | 56.28 | 12.75 | 22.01 | 15.38 | 13.33 | 64.16 | 35.30 | 34.00 | | |
| 23 | 31.43 | 32.07 | 27.62 | 69.15 | 56.28 | 14.79 | 20.78 | 13.33 | 13.91 | 64.16 | 35.30 | 33.36 | | |
| 24 | 29.52 | 37.25 | 28.25 | 70.15 | 56.28 | 13.91 | 23.24 | 7.42 | 13.33 | 64.16 | 35.30 | 33.36 | | |
| 25 | 26.36 | 28.25 | 37.25 | 73.16 | 56.28 | 10.51 | 38.56 | 10.02 | 12.75 | 64.16 | 35.30 | 33.36 | | |
| 26 | 25.73 | 29.52 | 28.88 | 69.15 | 58.24 | 6.95 | 38.56 | 10.26 | 15.97 | 63.17 | 35.30 | 33.36 | | |
| 27 | 25.73 | 28.25 | 31.43 | 59.22 | 60.21 | 16.56 | 38.56 | 12.46 | 16.27 | 63.17 | 35.30 | 33.36 | | |
| 28 | 25.73 | 27.62 | 28.88 | 55.30 | 56.28 | 13.62 | 40.95 | 11.89 | 16.27 | 62.18 | 35.30 | 33.36 | | |
| 29 | 26.36 | 32.07 | 28.88 | 48.52 | 54.33 | 15.97 | 40.95 | 11.60 | 16.27 | 52.39 | | 33.36 | | |
| 30 | 26.36 | 34.00 | 29.52 | 69.15 | 56.28 | 24.48 | 36.60 | 11.60 | 16.27 | 51.42 | | 33.36 | | |
| 31 | | 32.07 | | 69.15 | 15.97 | | 36.60 | | 17.46 | 51.42 | | 33.36 | | |
| Total | 800.02 | 839.22 | 718.58 | 2578.95 | 1932.37 | 967.56 | 768.88 | 743.97 | 428.03 | 1475.70 | 848.00 | 1052.91 | 13154.19 | Tonday |
| Mean | 26.67 | 27.07 | 23.95 | 83.19 | 62.33 | 32.25 | 24.80 | 24.80 | 13.81 | 47.60 | 30.29 | 33.96 | | Ton/day |
| Max | 34.00 | 37.25 | 37.25 | 116.44 | 82.29 | 64.16 | 56.28 | 38.56 | 17.46 | 64.16 | 35.30 | 35.30 | 116.44 | Ton/day |
| Min | 17.16 | 19.26 | 16.86 | 13.33 | 15.97 | 6.95 | 5.29 | 7.42 | 11.89 | 18.36 | 11.32 | 28.88 | 5.29 | Ton/day |

# WATER YEAR : 2006

## MUN RIVER BASIN

### Lam Phra Phloeng at Ban Tha Yiam, Nakhon Ratchasima (M.180)

Lat 14 - 38 - 04 N Long 101 - 53 - 16 E

**Location : on left bank at Ban Tha Yiam**

**Ban** Tha Yiam **Amphoe** Pak Thong Chai **Changwat** Nakhon Ratchasima

| | |
|---|---|
| **Drainge Area** | 864 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 33 |
| **R-Square** | 0.9611 |
| **Remarks** | Continued Sediment Station |

$$QS = 8.0297\ QW^{1.18130}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.99 | 0.99 | 1.64 | 0.66 | 11.05 | 8.41 | 13.17 | 22.14 | 0.53 | 0.41 | 0.08 | 0.35 | | |
| 2 | 0.99 | 0.99 | 0.92 | 0.53 | 12.25 | 4.57 | 2.32 | 5.63 | 0.47 | 0.41 | 0.08 | 0.35 | | |
| 3 | 0.99 | 0.92 | 0.59 | 0.47 | 10.75 | 6.44 | 47.59 | 4.31 | 0.41 | 0.41 | 0.08 | 1.41 | | |
| 4 | 0.99 | 0.99 | 0.59 | 0.47 | 10.45 | 4.31 | 26.64 | 2.56 | 0.41 | 0.53 | 0.08 | 5.63 | | |
| 5 | 0.72 | 1.13 | 0.47 | 0.47 | 10.16 | 2.80 | 96.70 | 0.35 | 0.41 | 0.53 | 0.18 | 6.17 | | |
| 6 | 0.53 | 1.41 | 0.41 | 0.41 | 9.86 | 2.80 | 85.96 | 0.72 | 0.41 | 0.53 | 0.35 | 7.00 | | |
| 7 | 0.53 | 2.80 | 0.47 | 0.35 | 8.70 | 0.41 | 133.79 | 4.57 | 0.41 | 0.53 | 3.79 | 9.57 | | |
| 8 | 6.17 | 1.13 | 0.47 | 0.35 | 7.56 | 5.63 | 378.60 | 2.32 | 0.41 | 0.47 | 8.41 | 8.70 | | |
| 9 | 1.20 | 0.99 | 0.47 | 0.29 | 7.56 | 0.18 | 575.78 | 0.92 | 0.41 | 0.41 | 5.36 | 8.70 | | |
| 10 | 1.41 | 0.99 | 0.47 | 0.18 | 6.72 | 0.18 | 1329.83 | 0.53 | 0.35 | 0.35 | 5.63 | 7.56 | | |
| 11 | 0.99 | 1.06 | 0.47 | 0.47 | 6.72 | 6.17 | 2449.71 | 0.66 | 0.35 | 0.35 | 3.79 | 7.28 | | |
| 12 | 0.59 | 2.56 | 1.86 | 0.47 | 5.90 | 0.23 | 2164.81 | 1.86 | 0.35 | 0.35 | 2.80 | 4.05 | | |
| 13 | 0.85 | 1.41 | 1.20 | 0.41 | 5.36 | 2.09 | 1257.41 | 1.86 | 0.35 | 0.35 | 1.13 | 1.06 | | |
| 14 | 0.85 | 1.41 | 0.41 | 0.35 | 6.72 | 1.06 | 804.07 | 2.56 | 0.35 | 0.35 | 0.92 | 0.53 | | |
| 15 | 0.92 | 1.20 | 0.41 | 0.41 | 6.72 | 7.28 | 793.11 | 0.85 | 0.35 | 0.35 | 0.79 | 0.41 | | |
| 16 | 0.99 | 1.20 | 0.35 | 0.41 | 7.00 | 6.44 | 607.16 | 0.47 | 0.35 | 0.23 | 0.79 | 0.29 | | |
| 17 | 0.92 | 1.20 | 0.35 | 0.53 | 6.44 | 2.56 | 403.39 | 2.09 | 0.35 | 0.18 | 0.72 | 0.23 | | |
| 18 | 0.92 | 2.32 | 0.41 | 0.59 | 5.36 | 6.44 | 204.57 | 1.86 | 0.29 | 0.18 | 0.79 | 0.35 | | |
| 19 | 0.99 | 11.05 | 0.53 | 0.59 | 5.63 | 4.05 | 130.00 | 1.86 | 0.29 | 0.18 | 0.72 | 0.53 | | |
| 20 | 0.99 | 4.83 | 0.85 | 0.85 | 5.36 | 0.35 | 107.63 | 1.64 | 0.29 | 0.18 | 0.72 | 0.72 | | |
| 21 | 1.06 | 2.80 | 0.85 | 1.64 | 5.63 | 22.14 | 67.20 | 1.13 | 0.29 | 0.18 | 0.66 | 1.06 | | |
| 22 | 1.06 | 1.20 | 0.47 | 3.04 | 7.00 | 14.72 | 31.84 | 1.64 | 0.29 | 0.18 | 0.66 | 0.79 | | |
| 23 | 0.99 | 1.20 | 0.47 | 9.57 | 7.84 | 8.12 | 17.89 | 0.66 | 0.29 | 0.18 | 0.66 | 0.53 | | |
| 24 | 0.99 | 1.13 | 0.47 | 6.72 | 4.83 | 7.28 | 15.34 | 0.41 | 0.29 | 0.18 | 0.53 | 0.47 | | |
| 25 | 0.99 | 0.85 | 0.53 | 6.72 | 5.90 | 5.63 | 13.48 | 0.47 | 0.29 | 0.18 | 0.35 | 0.47 | | |
| 26 | 0.92 | 1.06 | 0.53 | 8.41 | 6.72 | 5.63 | 2.80 | 0.35 | 0.29 | 0.18 | 0.35 | 0.47 | | |
| 27 | 0.92 | 1.20 | 0.53 | 9.28 | 7.00 | 8.99 | 0.59 | 1.13 | 0.35 | 0.18 | 0.35 | 0.47 | | |
| 28 | 1.64 | 2.32 | 1.06 | 9.86 | 6.72 | 7.84 | 4.05 | 0.53 | 0.41 | 0.29 | 0.35 | 0.47 | | |
| 29 | 1.06 | 1.86 | 1.06 | 10.75 | 4.83 | 0.47 | 3.54 | 0.47 | 0.41 | 0.18 | | 0.47 | | |
| 30 | 0.99 | 1.13 | 0.92 | 10.45 | 11.95 | 13.17 | 13.17 | 0.41 | 0.41 | 0.18 | | 0.47 | | |
| 31 | | 2.09 | | 10.45 | 19.07 | | 25.28 | | 0.41 | 0.18 | | 0.41 | | |
| Total | 34.15 | 57.42 | 20.23 | 96.15 | 243.76 | 166.39 | 11807.42 | 66.96 | 11.27 | 9.37 | 41.12 | 76.97 | 12631.21 | Tonday |
| Mean | 1.14 | 1.85 | 0.67 | 3.10 | 7.86 | 5.55 | 380.88 | 2.23 | 0.36 | 0.30 | 1.47 | 2.48 | | Ton/day |
| Max | 6.17 | 11.05 | 1.86 | 10.75 | 19.07 | 22.14 | 2449.71 | 22.14 | 0.53 | 0.53 | 8.41 | 9.57 | 2449.71 | Ton/day |
| Min | 0.53 | 0.85 | 0.35 | 0.18 | 4.83 | 0.18 | 0.59 | 0.35 | 0.29 | 0.18 | 0.08 | 0.23 | 0.08 | Ton/day |

## WATER YEAR : 2006

### PING RIVER BASIN

### Ping River at Nawarat Bridge , Chiang Mai (P.1)

Lat 18 - 47 - 10 N Long 99 - 00 - 27 E

**Location : on left bank about 100 meters downstream from Nawarat Bridge.**

**Ban** Nawarat Bridge **Amphoe** Mueang **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 6,350 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1993-Cont'd |
| **Actual Measurement** | 1993-Cont'd |
| **Using Rating Curve Water Year** | 1993-2006 |
| **Number of observation** | 361 |
| **R-Square** | 0.8859 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.4103\ QW^{1.55080}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 242.03 | 1040.86 | 935.54 | 490.10 | 23389.24 | 17427.51 | 1956.25 | 1002.30 | 384.51 | 169.67 | 0.00 | 0.00 | | |
| 2 | 297.09 | 689.28 | 1212.19 | 365.45 | 17309.63 | 18621.81 | 1910.74 | 968.71 | 384.51 | 156.09 | 0.00 | 0.00 | | |
| 3 | 207.60 | 426.98 | 1602.97 | 365.45 | 9519.14 | 11286.76 | 1688.94 | 902.77 | 365.45 | 142.91 | 0.00 | 0.00 | | |
| 4 | 182.42 | 297.09 | 1560.59 | 365.45 | 5095.98 | 5865.89 | 2002.15 | 870.42 | 346.73 | 142.91 | 0.00 | 0.00 | | |
| 5 | 170.27 | 278.30 | 1518.61 | 328.37 | 3555.01 | 3615.23 | 2237.23 | 870.42 | 328.37 | 142.91 | 0.00 | 0.00 | | |
| 6 | 146.88 | 242.03 | 1322.36 | 365.45 | 2481.43 | 2838.13 | 2237.23 | 870.42 | 310.36 | 130.15 | 0.00 | 0.00 | | |
| 7 | 94.01 | 224.58 | 1248.54 | 806.99 | 2189.48 | 2581.61 | 2996.15 | 870.42 | 328.37 | 130.15 | 0.00 | 0.00 | | |
| 8 | 114.15 | 335.97 | 1248.54 | 1776.49 | 1732.52 | 2189.48 | 4173.14 | 1070.69 | 310.36 | 130.15 | 0.00 | 0.00 | | |
| 9 | 146.88 | 457.30 | 1212.19 | 1105.48 | 1956.25 | 2048.42 | 6633.80 | 1002.30 | 328.37 | 130.15 | 0.00 | 0.00 | | |
| 10 | 146.88 | 397.41 | 968.71 | 806.99 | 2531.34 | 3157.19 | 12856.43 | 806.99 | 310.36 | 120.99 | 0.00 | 0.00 | | |
| 11 | 135.64 | 356.05 | 902.77 | 745.28 | 2581.61 | 2531.34 | 10623.12 | 775.92 | 292.72 | 103.41 | 0.00 | 0.00 | | |
| 12 | 135.64 | 356.05 | 902.77 | 745.28 | 2142.09 | 3049.50 | 7945.61 | 745.28 | 259.24 | 103.41 | 0.00 | 0.00 | | |
| 13 | 124.73 | 397.41 | 806.99 | 685.34 | 2095.07 | 3798.03 | 5164.37 | 715.09 | 243.39 | 103.41 | 0.00 | 0.00 | | |
| 14 | 146.88 | 335.97 | 685.34 | 570.93 | 4109.75 | 2531.34 | 3859.68 | 715.09 | 243.39 | 103.41 | 0.00 | 0.00 | | |
| 15 | 182.42 | 2142.09 | 656.05 | 464.14 | 4365.35 | 2002.15 | 3049.50 | 715.09 | 212.78 | 103.41 | 0.00 | 0.00 | | |
| 16 | 297.09 | 1477.04 | 775.92 | 543.50 | 2581.61 | 1602.97 | 2786.14 | 745.28 | 212.78 | 103.41 | 0.00 | 0.00 | | |
| 17 | 619.60 | 1036.29 | 775.92 | 656.05 | 1956.25 | 1602.97 | 2481.43 | 627.21 | 212.78 | 94.99 | 0.00 | 0.00 | | |
| 18 | 811.17 | 745.28 | 806.99 | 516.55 | 1602.97 | 1560.59 | 2431.88 | 627.21 | 198.03 | 94.99 | 0.00 | 0.00 | | |
| 19 | 457.30 | 968.71 | 806.99 | 423.66 | 1776.49 | 2285.35 | 2333.83 | 543.50 | 183.65 | 86.83 | 0.00 | 0.00 | | |
| 20 | 725.11 | 715.09 | 1359.83 | 627.21 | 1865.60 | 5865.89 | 2095.07 | 516.55 | 183.65 | 86.83 | 0.00 | 0.00 | | |
| 21 | 654.11 | 464.14 | 1820.85 | 935.54 | 1322.36 | 10250.36 | 1865.60 | 464.14 | 183.65 | 94.99 | 0.00 | 0.00 | | |
| 22 | 457.30 | 490.10 | 1645.76 | 870.42 | 1285.26 | 10436.15 | 1602.97 | 464.14 | 183.65 | 94.99 | 0.00 | 0.00 | | |
| 23 | 335.97 | 570.93 | 1397.67 | 806.99 | 1212.19 | 12259.31 | 1602.97 | 464.14 | 183.65 | 94.99 | 0.00 | 0.00 | | |
| 24 | 278.30 | 935.54 | 1036.29 | 570.93 | 1105.48 | 9973.90 | 1518.61 | 464.14 | 183.65 | 94.99 | 0.00 | 0.00 | | |
| 25 | 278.30 | 1435.88 | 685.34 | 1212.19 | 968.71 | 5371.49 | 1435.88 | 443.73 | 183.65 | 94.99 | 0.00 | 0.00 | | |
| 26 | 224.58 | 2048.42 | 775.92 | 2048.42 | 1732.52 | 3675.81 | 1359.83 | 443.73 | 183.65 | 86.83 | 0.00 | 0.00 | | |
| 27 | 259.94 | 1248.54 | 745.28 | 2189.48 | 2996.15 | 3157.19 | 1176.23 | 443.73 | 169.67 | 94.99 | 0.00 | 0.00 | | |
| 28 | 488.35 | 968.71 | 715.09 | 3675.81 | 5302.13 | 2581.61 | 1176.23 | 423.66 | 169.67 | 103.41 | 0.00 | 0.00 | | |
| 29 | 767.71 | 685.34 | 490.10 | 3321.19 | 5723.06 | 2632.22 | 1322.36 | 384.51 | 169.67 | 103.41 | | 0.00 | | |
| 30 | 1138.30 | 490.10 | 464.14 | 1820.85 | 4626.38 | 2531.34 | 1212.19 | 384.51 | 169.67 | 103.41 | | 0.00 | | |
| 31 | | 870.42 | | 5723.06 | 8200.81 | | 1070.69 | | 169.67 | 0.00 | | 0.00 | | |
| Total | 10266.65 | 23127.90 | 31086.25 | 35929.04 | 129311.86 | 159331.54 | 96806.25 | 20342.09 | 7590.05 | 3347.18 | 0.00 | 0.00 | 517138.81 | Tonday |
| Mean | 342.22 | 746.06 | 1036.21 | 1159.00 | 4171.35 | 5311.05 | 3122.78 | 678.07 | 244.84 | 107.97 | 0.00 | 0.00 | | Ton/day |
| Max | 1138.30 | 2142.09 | 1820.85 | 5723.06 | 23389.24 | 18621.81 | 12856.43 | 1070.69 | 384.51 | 169.67 | 0.00 | 0.00 | 23389.24 | Ton/day |
| Min | 94.01 | 224.58 | 464.14 | 328.37 | 968.71 | 1560.59 | 1070.69 | 384.51 | 169.67 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

## WATER YEAR : 2006

### PING RIVER BASIN

### Ping River at Ban Tha Ngiu, Nakhon Sawan (P.17)

Lat 15 - 56 - 02 N Long 99 - 58 - 50 E

**Location : on right bank at Som Sieo Market**

**Ban** Tha Ngiu **Amphoe** Banphot Phisai **Changwat** Nakhon Sawan

| | |
|---|---|
| **Drainge Area** | 45,297 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 128 |
| **R-Square** | 0.8014 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.9180\ QW^{1.21410}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1258.17 | 1306.57 | 7989.89 | 3849.41 | 1306.57 | 2054.42 | 21366.93 | 1982.92 | 1274.26 | 2188.25 | 2118.34 | 1790.61 | |
| 2 | 1083.56 | 1099.24 | 6624.49 | 2965.59 | 1469.41 | 2965.59 | 19431.92 | 2222.95 | 1716.99 | 1918.17 | 2086.34 | 1805.40 | |
| 3 | 1194.14 | 1178.23 | 5044.89 | 2846.99 | 1833.48 | 4163.17 | 16144.67 | 2418.34 | 1849.11 | 2032.13 | 2062.39 | 1790.61 | |
| 4 | 1210.09 | 1162.35 | 4199.30 | 2641.54 | 1775.06 | 4858.76 | 13170.70 | 2102.33 | 1968.68 | 1893.01 | 2188.25 | 1827.23 | |
| 5 | 959.58 | 1563.82 | 3540.10 | 2222.95 | 1959.19 | 5232.23 | 16834.99 | 2030.54 | 1778.95 | 2046.45 | 2152.84 | 1763.42 | |
| 6 | 1099.24 | 1450.65 | 2965.59 | 1935.51 | 2566.75 | 5402.80 | 14892.61 | 1872.60 | 1778.95 | 2054.42 | 2010.67 | 1730.90 | |
| 7 | 1162.35 | 1306.57 | 2566.75 | 1736.31 | 2641.54 | 5715.28 | 14892.61 | 1563.82 | 1905.58 | 2094.33 | 2179.39 | 1739.40 | |
| 8 | 1274.26 | 1242.11 | 2126.36 | 1601.88 | 2247.21 | 5715.28 | 15607.52 | 2102.33 | 1874.17 | 2032.13 | 2078.35 | 1786.72 | |
| 9 | 1242.11 | 1242.11 | 1833.48 | 1488.21 | 2126.36 | 5232.23 | 20898.15 | 2126.36 | 1880.45 | 2039.29 | 1886.73 | 1753.34 | |
| 10 | 1242.11 | 1178.23 | 1659.26 | 1525.93 | 2054.42 | 4344.37 | 21535.66 | 1794.50 | 1930.78 | 2086.34 | 1843.64 | 1786.72 | |
| 11 | 1052.31 | 1339.01 | 1736.31 | 1488.21 | 2006.70 | 3880.59 | 21366.93 | 1306.57 | 1930.78 | 2024.97 | 1778.95 | 1799.95 | |
| 12 | 898.61 | 1162.35 | 1697.71 | 1563.82 | 1872.60 | 3943.08 | 19568.21 | 1544.86 | 1794.50 | 2135.18 | 1782.83 | 1759.54 | |
| 13 | 1210.09 | 1242.11 | 1394.63 | 1582.83 | 1582.83 | 4490.30 | 19024.08 | 1067.92 | 1790.61 | 2126.36 | 1771.18 | 1732.44 | |
| 14 | 1290.40 | 1274.26 | 1306.57 | 1544.86 | 1469.41 | 6076.12 | 18753.04 | 974.93 | 1874.17 | 2110.33 | 1753.34 | 1741.73 | |
| 15 | 1210.09 | 1067.92 | 1755.67 | 1563.82 | 1394.63 | 12084.09 | 19295.81 | 959.58 | 2024.97 | 2039.29 | 1790.61 | 1751.02 | |
| 16 | 1178.23 | 1162.35 | 1736.31 | 1525.93 | 1488.21 | 13082.29 | 17321.22 | 580.99 | 2152.84 | 2017.82 | 1759.54 | 1790.61 | |
| 17 | 959.58 | 1083.56 | 1659.26 | 1431.93 | 1394.63 | 11196.87 | 14689.44 | 641.48 | 2118.34 | 1989.26 | 1816.31 | 1775.06 | |
| 18 | 944.27 | 1640.09 | 1544.86 | 1357.51 | 1431.93 | 9658.38 | 12013.33 | 580.99 | 2126.36 | 2078.35 | 1790.61 | 1778.95 | |
| 19 | 1114.96 | 1640.09 | 1525.93 | 1413.26 | 1775.06 | 8688.39 | 7419.47 | 641.48 | 1930.78 | 2024.97 | 1786.72 | 1810.85 | |
| 20 | 1210.09 | 1736.31 | 1582.83 | 1697.71 | 2102.33 | 7989.89 | 7090.18 | 680.63 | 2024.97 | 2054.42 | 1744.05 | 1778.95 | |
| 21 | 1226.08 | 1911.88 | 1469.41 | 1853.02 | 2054.42 | 7894.31 | 5940.35 | 628.52 | 2179.39 | 2039.29 | 1767.30 | 1790.61 | |
| 22 | 1226.08 | 2198.73 | 2670.72 | 1872.60 | 1892.22 | 7231.01 | 4747.69 | 693.76 | 2179.39 | 2078.35 | 1775.06 | 1763.42 | |
| 23 | 1242.11 | 2995.37 | 2935.86 | 1755.67 | 1853.02 | 7231.01 | 4747.69 | 746.76 | 2152.84 | 1996.39 | 1810.85 | 1838.17 | |
| 24 | 1210.09 | 7043.41 | 3756.14 | 1582.83 | 2030.54 | 8085.68 | 4199.30 | 827.49 | 2273.15 | 2017.82 | 1790.61 | 1805.40 | |
| 25 | 1242.11 | 8374.24 | 3974.39 | 1322.77 | 2006.70 | 9658.38 | 3509.42 | 773.50 | 2263.41 | 2062.39 | 1805.40 | 1794.50 | |
| 26 | 974.93 | 7325.14 | 4673.89 | 1357.51 | 2006.70 | 10939.49 | 3448.21 | 800.42 | 2062.39 | 2039.29 | 1755.67 | 1767.30 | |
| 27 | 1258.17 | 7278.00 | 4453.74 | 1892.22 | 1911.88 | 10179.06 | 2846.99 | 746.76 | 2144.01 | 2070.37 | 1741.73 | 1730.90 | |
| 28 | 1322.77 | 6949.94 | 5119.68 | 1601.88 | 1982.92 | 15096.26 | 2641.54 | 706.95 | 2234.27 | 2062.39 | 1782.83 | 1763.42 | |
| 29 | 1274.26 | 7278.00 | 5314.10 | 1450.65 | 2030.54 | 21366.93 | 2492.35 | 841.09 | 2144.01 | 2078.35 | | 1759.54 | |
| 30 | 1226.08 | 7798.93 | 4490.30 | 1322.77 | 1911.88 | 21704.62 | 2126.36 | 1036.75 | 2214.87 | 1962.35 | | 1753.34 | |
| 31 | | 8181.67 | | 1242.11 | 1911.88 | | 1911.88 | | 2312.14 | 2046.45 | | 1759.54 | |
| Total | 34996.92 | 93413.24 | 93348.42 | 55238.23 | 58091.02 | 246160.88 | 369929.25 | 36998.12 | 61886.11 | 63438.91 | 52610.53 | 55019.59 | 1221131.22 |
| Mean | 1166.56 | 3013.33 | 3111.61 | 1781.88 | 1873.90 | 8205.36 | 11933.20 | 1233.27 | 1996.33 | 2046.42 | 1878.95 | 1774.83 | |
| Max | 1322.77 | 8374.24 | 7989.89 | 3849.41 | 2641.54 | 21704.62 | 21535.66 | 2418.34 | 2312.14 | 2188.25 | 2188.25 | 1838.17 | 21704.62 |
| Min | 898.61 | 1067.92 | 1306.57 | 1242.11 | 1306.57 | 2054.42 | 1911.88 | 580.99 | 1274.26 | 1893.01 | 1741.73 | 1730.90 | 580.99 |

## WATER YEAR : 2006

### PING RIVER BASIN

### Nam Mae Rim at Ban Mae Rim Tai , Chiang Mai (P.21)

Lat 18 - 55 - 45 N Long 98 - 56 - 40 E

**Location : on left bank about 100 meters downstream from the bridge of Chiang Mai - Fang Highway.**

**Ban** Mae Rim Tai **Amphoe** Mae Rim **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 452 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 131 |
| **R-Square** | 0.9062 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.6674\ QW^{1.31470}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2004 to 31 March 2005**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.22 | 45.55 | 44.20 | 26.47 | 1512.25 | 1323.39 | 79.43 | 62.00 | 30.76 | 11.65 | 8.08 | 6.42 | | |
| 2 | 1.87 | 23.29 | 40.46 | 52.03 | 628.33 | 692.55 | 60.55 | 60.55 | 29.53 | 14.38 | 6.42 | 6.97 | | |
| 3 | 1.16 | 17.92 | 60.55 | 81.26 | 248.72 | 268.24 | 75.67 | 60.55 | 27.23 | 13.00 | 6.42 | 7.52 | | |
| 4 | 1.06 | 13.64 | 66.39 | 45.55 | 131.64 | 143.31 | 118.05 | 71.95 | 28.43 | 11.65 | 6.42 | 6.42 | | |
| 5 | 1.06 | 11.65 | 45.55 | 30.76 | 79.43 | 96.81 | 174.23 | 66.39 | 27.23 | 12.27 | 8.08 | 3.61 | | |
| 6 | 0.82 | 9.83 | 34.26 | 60.55 | 60.55 | 90.98 | 160.82 | 66.39 | 27.23 | 11.65 | 8.08 | 2.77 | | |
| 7 | 0.68 | 7.52 | 29.53 | 66.39 | 57.67 | 73.74 | 140.89 | 73.74 | 25.62 | 11.03 | 7.52 | 1.98 | | |
| 8 | 2.40 | 11.03 | 24.87 | 235.90 | 46.78 | 85.09 | 265.05 | 75.67 | 28.43 | 11.03 | 6.97 | 1.70 | | |
| 9 | 5.01 | 20.92 | 21.74 | 92.87 | 87.09 | 64.92 | 654.90 | 56.25 | 31.88 | 11.03 | 6.97 | 1.70 | | |
| 10 | 4.09 | 24.02 | 20.21 | 62.00 | 92.87 | 232.81 | 469.95 | 52.03 | 26.47 | 10.43 | 6.97 | 1.59 | | |
| 11 | 3.61 | 27.23 | 20.21 | 155.53 | 59.11 | 201.79 | 513.75 | 70.04 | 35.53 | 11.03 | 6.97 | 1.43 | | |
| 12 | 1.32 | 56.25 | 30.76 | 98.88 | 100.80 | 345.67 | 533.12 | 64.92 | 23.29 | 10.43 | 5.97 | 1.32 | | |
| 13 | 1.32 | 24.02 | 23.29 | 96.81 | 70.04 | 245.59 | 223.25 | 60.55 | 36.69 | 10.43 | 5.97 | 1.32 | | |
| 14 | 1.16 | 20.21 | 36.69 | 56.25 | 235.90 | 160.82 | 155.53 | 70.04 | 42.99 | 11.03 | 5.97 | 1.70 | | |
| 15 | 0.92 | 182.40 | 36.69 | 56.25 | 87.09 | 100.80 | 136.24 | 62.00 | 37.98 | 10.43 | 5.44 | 1.87 | | |
| 16 | 1.43 | 54.84 | 30.76 | 64.92 | 59.11 | 92.87 | 118.05 | 60.55 | 24.02 | 9.83 | 5.97 | 1.87 | | |
| 17 | 3.61 | 37.98 | 24.87 | 100.80 | 53.43 | 94.91 | 113.60 | 60.55 | 23.29 | 9.24 | 4.51 | 1.59 | | |
| 18 | 1.70 | 27.23 | 20.92 | 60.55 | 52.03 | 90.98 | 111.47 | 50.77 | 22.46 | 9.24 | 4.51 | 1.59 | | |
| 19 | 3.22 | 35.53 | 17.23 | 49.39 | 92.87 | 390.17 | 94.91 | 50.77 | 18.71 | 10.43 | 2.77 | 1.43 | | |
| 20 | 22.46 | 25.62 | 163.48 | 190.65 | 52.03 | 297.11 | 88.96 | 62.00 | 15.03 | 9.24 | 2.40 | 1.06 | | |
| 21 | 5.97 | 26.47 | 176.94 | 150.29 | 45.55 | 261.69 | 88.96 | 53.43 | 11.65 | 7.52 | 3.22 | 1.06 | | |
| 22 | 3.61 | 45.55 | 122.54 | 79.43 | 48.14 | 239.18 | 85.09 | 44.20 | 15.03 | 7.52 | 4.09 | 15.03 | | |
| 23 | 2.40 | 53.43 | 70.04 | 59.11 | 48.14 | 461.38 | 77.48 | 44.20 | 13.64 | 6.97 | 4.09 | 10.43 | | |
| 24 | 1.98 | 102.88 | 66.39 | 54.84 | 37.98 | 406.67 | 75.67 | 40.46 | 13.00 | 7.52 | 3.22 | 6.97 | | |
| 25 | 2.77 | 59.11 | 64.92 | 315.50 | 39.16 | 150.29 | 70.04 | 37.98 | 14.38 | 8.66 | 5.97 | 3.22 | | |
| 26 | 3.61 | 148.01 | 113.60 | 398.40 | 398.40 | 127.07 | 68.28 | 36.69 | 14.38 | 9.24 | 8.08 | 1.98 | | |
| 27 | 4.09 | 66.39 | 87.09 | 410.82 | 602.24 | 107.08 | 64.92 | 35.53 | 14.38 | 8.66 | 6.97 | 2.40 | | |
| 28 | 24.87 | 53.43 | 71.95 | 508.93 | 731.41 | 96.81 | 62.00 | 31.88 | 14.38 | 9.24 | 6.42 | 1.87 | | |
| 29 | 83.24 | 62.00 | 48.14 | 223.25 | 394.28 | 136.24 | 57.67 | 30.76 | 13.64 | 9.83 | | 5.44 | | |
| 30 | 59.11 | 42.99 | 34.26 | 176.94 | 174.23 | 120.37 | 59.11 | 30.76 | 13.00 | 10.43 | | 3.61 | | |
| 31 | | 46.78 | | 1140.79 | 1053.55 | | 62.00 | | 12.27 | 9.83 | | 1.70 | | |
| Total | 253.77 | 1383.72 | 1648.53 | 5202.11 | 7380.82 | 7199.33 | 5059.64 | 1643.60 | 712.55 | 314.87 | 164.47 | 109.57 | 31072.98 | Tonday |
| Mean | 8.46 | 44.64 | 54.95 | 167.81 | 238.09 | 239.98 | 163.21 | 54.79 | 22.99 | 10.16 | 5.87 | 3.53 | | Ton/day |
| Max | 83.24 | 182.40 | 176.94 | 1140.79 | 1512.25 | 1323.39 | 654.90 | 75.67 | 42.99 | 14.38 | 8.08 | 15.03 | 1512.25 | Ton/day |
| Min | 0.68 | 7.52 | 17.23 | 26.47 | 37.98 | 64.92 | 57.67 | 30.76 | 11.65 | 6.97 | 2.40 | 1.06 | 0.68 | Ton/day |

# WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Ngat at Ban Sahakorn Romklao , Chiang Mai (P.56A)

Lat 19 - 17 - 04 N Long 99 - 11 - 23 E

**Location : on left bank at the bridge near land Cooperative Office.**

**Ban** Sahakorn Romklao **Amphoe** Phrao **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 546 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 1997-2006 |
| **Number of observation** | 160 |
| **R-Square** | 0.9382 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.5075\ QW^{1.33890}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.26 | 44.99 | 0.00 | 9.82 | 870.53 | 618.66 | 82.35 | 53.45 | 37.62 | 17.59 | 12.28 | 5.88 | | |
| 2 | 6.26 | 28.35 | 0.00 | 8.64 | 246.11 | 445.38 | 68.35 | 52.02 | 36.43 | 17.59 | 12.28 | 6.26 | | |
| 3 | 6.26 | 21.86 | 0.00 | 8.64 | 113.32 | 238.62 | 60.78 | 49.17 | 36.43 | 17.59 | 11.03 | 6.26 | | |
| 4 | 6.26 | 16.90 | 88.40 | 11.03 | 111.10 | 155.13 | 66.82 | 46.37 | 35.24 | 16.21 | 9.82 | 6.26 | | |
| 5 | 6.26 | 13.56 | 21.13 | 16.90 | 57.82 | 115.38 | 71.43 | 43.73 | 34.07 | 16.21 | 9.82 | 6.26 | | |
| 6 | 6.26 | 9.82 | 6.26 | 74.55 | 42.49 | 134.89 | 113.32 | 42.49 | 34.07 | 15.54 | 9.23 | 6.26 | | |
| 7 | 6.26 | 8.23 | 19.69 | 152.56 | 50.59 | 122.61 | 171.47 | 142.39 | 32.90 | 15.54 | 8.64 | 6.26 | | |
| 8 | 6.26 | 8.23 | 4.78 | 71.43 | 53.45 | 100.66 | 132.41 | 111.10 | 30.60 | 15.54 | 8.64 | 6.26 | | |
| 9 | 5.88 | 9.82 | 2.18 | 44.99 | 56.36 | 88.40 | 1027.95 | 72.99 | 29.47 | 15.54 | 9.82 | 5.88 | | |
| 10 | 5.88 | 7.03 | 18.28 | 42.49 | 117.78 | 84.40 | 565.66 | 65.29 | 26.14 | 15.54 | 9.82 | 5.51 | | |
| 11 | 5.51 | 25.05 | 5.14 | 38.82 | 72.99 | 109.06 | 246.11 | 60.78 | 22.91 | 16.21 | 9.23 | 5.51 | | |
| 12 | 5.51 | 29.47 | 0.00 | 34.07 | 54.90 | 96.53 | 224.18 | 57.82 | 21.86 | 16.21 | 9.23 | 5.51 | | |
| 13 | 5.51 | 16.21 | 0.00 | 29.47 | 608.93 | 90.34 | 160.30 | 54.90 | 21.86 | 16.21 | 8.64 | 5.51 | | |
| 14 | 5.51 | 12.28 | 0.00 | 28.35 | 280.45 | 71.43 | 142.39 | 52.02 | 21.13 | 15.54 | 8.64 | 5.88 | | |
| 15 | 5.51 | 35.24 | 0.00 | 26.14 | 171.47 | 78.43 | 98.52 | 50.59 | 20.41 | 15.54 | 8.23 | 6.26 | | |
| 16 | 27.24 | 37.62 | 0.00 | 25.05 | 109.06 | 100.66 | 78.43 | 50.59 | 20.41 | 15.54 | 8.23 | 6.26 | | |
| 17 | 56.36 | 26.14 | 5.88 | 21.86 | 98.52 | 102.67 | 80.46 | 47.77 | 19.69 | 14.87 | 8.23 | 6.26 | | |
| 18 | 36.43 | 18.28 | 3.09 | 21.86 | 66.82 | 106.87 | 71.43 | 44.99 | 18.98 | 14.87 | 7.83 | 5.88 | | |
| 19 | 25.05 | 15.54 | 0.00 | 26.14 | 183.55 | 111.10 | 68.35 | 43.73 | 18.98 | 13.56 | 7.83 | 5.51 | | |
| 20 | 20.41 | 12.28 | 1.20 | 72.99 | 117.78 | 253.66 | 69.88 | 42.49 | 18.28 | 12.92 | 7.43 | 5.51 | | |
| 21 | 17.59 | 9.23 | 0.00 | 62.28 | 111.10 | 383.75 | 72.99 | 42.49 | 18.28 | 12.92 | 7.43 | 20.41 | | |
| 22 | 12.92 | 9.82 | 6.64 | 44.99 | 98.52 | 370.86 | 74.55 | 41.26 | 18.28 | 12.92 | 7.43 | 18.28 | | |
| 23 | 12.28 | 11.03 | 5.14 | 32.90 | 69.88 | 604.09 | 74.55 | 41.26 | 18.28 | 12.92 | 7.03 | 11.03 | | |
| 24 | 7.83 | 30.60 | 3.75 | 76.55 | 54.90 | 332.85 | 72.99 | 40.04 | 17.59 | 12.92 | 6.26 | 8.64 | | |
| 25 | 7.83 | 62.28 | 1.89 | 117.78 | 401.12 | 189.67 | 72.99 | 40.04 | 17.59 | 12.92 | 6.26 | 7.83 | | |
| 26 | 30.60 | 47.77 | 0.00 | 80.46 | 776.26 | 111.10 | 71.43 | 37.62 | 16.90 | 12.92 | 6.26 | 7.43 | | |
| 27 | 16.90 | 25.05 | 0.00 | 192.74 | 541.97 | 90.34 | 69.88 | 37.62 | 16.90 | 12.28 | 5.88 | 7.03 | | |
| 28 | 31.75 | 17.59 | 0.00 | 257.37 | 436.43 | 127.48 | 68.35 | 37.62 | 16.90 | 12.28 | 6.26 | 6.64 | | |
| 29 | 165.51 | 16.90 | 0.00 | 100.66 | 224.18 | 113.32 | 63.78 | 37.62 | 16.21 | 12.28 | | 6.26 | | |
| 30 | 92.44 | 47.77 | 0.00 | 49.17 | 217.80 | 96.53 | 62.28 | 37.62 | 16.21 | 12.28 | | 6.26 | | |
| 31 | | 56.36 | | 272.70 | 308.10 | | 56.36 | | 15.54 | 12.28 | | 5.88 | | |
| Total | 650.53 | 731.30 | 193.45 | 2053.40 | 6724.28 | 5644.87 | 4360.74 | 1577.87 | 726.16 | 453.28 | 237.71 | 224.87 | 23578.46 | Tonday |
| Mean | 21.68 | 23.59 | 6.45 | 66.24 | 216.91 | 188.16 | 140.67 | 52.60 | 23.42 | 14.62 | 8.49 | 7.25 | | Ton/day |
| Max | 165.51 | 62.28 | 88.40 | 272.70 | 870.53 | 618.66 | 1027.95 | 142.39 | 37.62 | 17.59 | 12.28 | 20.41 | 1027.95 | Ton/day |
| Min | 5.51 | 7.03 | 0.00 | 8.64 | 42.49 | 71.43 | 56.36 | 37.62 | 15.54 | 12.28 | 5.88 | 5.51 | 0.00 | Ton/day |

# WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Sop Soi , Chiang Mai (P.73)

Lat 18 - 17 - 25 N Long 98 - 39 - 01 E

**Location : on left bank at Sop Soi Phatana Bridge.**

**Ban** Sop Soi **Amphoe** Chom Thong **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 14,814 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 141 |
| **R-Square** | 0.8773 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.5751\ QW^{1.34000}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 61.99 | 2382.38 | 1251.82 | 1178.84 | 11749.59 | 17289.32 | 5322.99 | 1356.29 | 555.31 | 250.92 | 184.65 | 112.62 | | |
| 2 | 61.99 | 2142.10 | 1160.77 | 846.17 | 14323.79 | 25158.44 | 4670.19 | 1356.29 | 555.31 | 250.92 | 184.65 | 93.13 | | |
| 3 | 56.69 | 1071.50 | 1089.21 | 799.69 | 12468.85 | 20888.58 | 3645.84 | 1356.29 | 532.99 | 250.92 | 177.62 | 93.13 | | |
| 4 | 59.33 | 741.79 | 1726.64 | 769.08 | 10258.13 | 15663.32 | 2704.13 | 1293.35 | 532.99 | 250.92 | 177.62 | 83.75 | | |
| 5 | 56.69 | 635.21 | 1637.48 | 729.74 | 7151.37 | 9221.86 | 2406.76 | 1251.82 | 511.82 | 250.92 | 184.65 | 83.75 | | |
| 6 | 56.69 | 521.91 | 1377.44 | 693.90 | 5894.44 | 5556.50 | 4702.31 | 1272.54 | 471.93 | 250.92 | 184.65 | 83.75 | | |
| 7 | 61.99 | 491.77 | 1124.84 | 705.80 | 3564.70 | 5157.77 | 5256.75 | 1196.98 | 452.31 | 250.92 | 171.35 | 83.75 | | |
| 8 | 61.99 | 471.93 | 1005.76 | 2001.11 | 2653.96 | 4383.65 | 6202.85 | 1215.19 | 452.31 | 250.92 | 171.35 | 83.75 | | |
| 9 | 61.99 | 471.93 | 877.53 | 2604.03 | 2118.43 | 3700.19 | 8842.48 | 1314.25 | 452.31 | 250.92 | 171.35 | 83.75 | | |
| 10 | 84.32 | 375.98 | 784.35 | 1816.99 | 2024.44 | 4670.19 | 11217.35 | 1178.84 | 452.31 | 250.92 | 171.35 | 83.75 | | |
| 11 | 75.75 | 375.98 | 705.80 | 1441.37 | 2679.02 | 8541.91 | 12786.91 | 1160.77 | 452.31 | 213.47 | 184.65 | 83.75 | | |
| 12 | 75.75 | 815.11 | 693.90 | 1293.35 | 2679.02 | 14079.09 | 13932.79 | 1178.84 | 423.26 | 213.47 | 177.62 | 88.41 | | |
| 13 | 61.99 | 623.63 | 670.27 | 1071.50 | 2261.43 | 17805.69 | 9643.81 | 1160.77 | 385.32 | 198.93 | 177.62 | 88.41 | | |
| 14 | 67.41 | 612.10 | 577.85 | 1178.84 | 2554.35 | 14569.55 | 7294.76 | 1160.77 | 339.20 | 220.84 | 177.62 | 88.41 | | |
| 15 | 64.69 | 623.63 | 521.91 | 658.53 | 4415.26 | 9336.46 | 4993.89 | 1106.99 | 330.15 | 235.76 | 177.62 | 88.41 | | |
| 16 | 59.33 | 2529.59 | 491.77 | 612.10 | 4320.60 | 6065.28 | 4606.12 | 893.31 | 321.99 | 250.92 | 146.85 | 0.00 | | |
| 17 | 81.44 | 1726.64 | 532.99 | 589.21 | 3618.74 | 4993.89 | 3297.62 | 877.53 | 321.99 | 228.26 | 171.35 | 0.00 | | |
| 18 | 278.02 | 1356.29 | 612.10 | 693.90 | 3010.06 | 4510.43 | 3061.84 | 830.61 | 321.99 | 228.26 | 123.35 | 0.00 | | |
| 19 | 350.79 | 1054.97 | 799.69 | 646.84 | 2881.58 | 4961.27 | 3061.84 | 815.11 | 321.99 | 220.84 | 117.64 | 0.00 | | |
| 20 | 295.81 | 941.09 | 957.15 | 784.35 | 3727.44 | 5522.99 | 3139.94 | 799.69 | 321.99 | 198.93 | 117.64 | 0.00 | | |
| 21 | 250.92 | 941.09 | 2285.49 | 1314.25 | 3271.20 | 9875.96 | 2830.59 | 769.08 | 266.32 | 198.93 | 117.64 | 0.00 | | |
| 22 | 245.59 | 717.75 | 3297.62 | 1571.41 | 2653.96 | 12242.92 | 2261.43 | 753.89 | 258.59 | 198.93 | 112.62 | 0.00 | | |
| 23 | 511.82 | 729.74 | 2237.43 | 1071.50 | 2071.30 | 11705.00 | 2142.10 | 769.08 | 274.11 | 213.47 | 107.66 | 0.00 | | |
| 24 | 462.09 | 1771.67 | 2024.44 | 830.61 | 1816.99 | 9183.74 | 2024.44 | 741.79 | 281.95 | 191.76 | 102.76 | 0.00 | | |
| 25 | 348.30 | 3484.02 | 2237.43 | 769.08 | 1571.41 | 9260.02 | 1954.66 | 693.90 | 274.11 | 184.65 | 102.76 | 0.00 | | |
| 26 | 339.20 | 5059.28 | 2604.03 | 1251.82 | 1527.75 | 7366.72 | 1794.29 | 635.21 | 266.32 | 177.62 | 88.41 | 0.00 | | |
| 27 | 452.31 | 4226.47 | 2754.54 | 3192.28 | 2653.96 | 5026.56 | 1681.91 | 623.63 | 266.32 | 171.35 | 107.66 | 0.00 | | |
| 28 | 481.83 | 3035.92 | 3457.23 | 3297.62 | 4070.76 | 6341.19 | 1615.38 | 577.85 | 258.59 | 184.65 | 112.62 | 0.00 | | |
| 29 | 1160.77 | 1816.99 | 1977.85 | 3591.69 | 6065.28 | 6937.65 | 1571.41 | 577.85 | 258.59 | 228.26 | | 0.00 | | |
| 30 | 2261.43 | 1272.54 | 1377.44 | 3271.20 | 5860.42 | 6168.39 | 1441.37 | 566.55 | 250.92 | 228.26 | | 0.00 | | |
| 31 | | 1178.84 | | 3324.09 | 6973.15 | | 1377.44 | | 250.92 | 213.47 | | 0.00 | | |
| Total | 8548.91 | 44199.84 | 42852.77 | 44600.89 | 142891.38 | 286184.53 | 141486.19 | 29485.06 | 11416.52 | 6910.23 | 4203.33 | 1322.52 | 764102.17 | Tonday |
| Mean | 284.96 | 1425.80 | 1428.43 | 1438.74 | 4609.40 | 9539.48 | 4564.07 | 982.84 | 368.27 | 222.91 | 150.12 | 42.66 | | Ton/day |
| Max | 2261.43 | 5059.28 | 3457.23 | 3591.69 | 14323.79 | 25158.44 | 13932.79 | 1356.29 | 555.31 | 250.92 | 184.65 | 112.62 | 25158.44 | Ton/day |
| Min | 56.69 | 375.98 | 491.77 | 589.21 | 1527.75 | 3700.19 | 1377.44 | 566.55 | 250.92 | 171.35 | 88.41 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## PING RIVER BASIN

### Ping River at Ban Cho Lae , Chiang Mai (P.75)

Lat 19 - 08 - 58 N Long 99 - 00 - 43 E

**Location : on left bank at the bridge on road.**

**Ban** Cho Lae **Amphoe** Mae Teang **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 3,088 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 140 |
| **R-Square** | 0.7925 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.8216\ QW^{1.65200}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 164.43 | 364.14 | 383.13 | 22.22 | 3939.75 | 3693.44 | 383.13 | 164.43 | 34.70 | 10.89 | 41.10 | 30.19 | | |
| 2 | 154.44 | 228.14 | 462.83 | 28.85 | 5372.41 | 5917.98 | 321.56 | 159.40 | 34.70 | 11.42 | 41.10 | 30.19 | | |
| 3 | 154.44 | 201.29 | 452.63 | 26.99 | 2178.71 | 2961.44 | 313.30 | 149.54 | 28.85 | 13.49 | 41.10 | 30.19 | | |
| 4 | 154.44 | 164.43 | 462.83 | 19.88 | 1768.87 | 1472.77 | 355.45 | 139.93 | 23.43 | 9.86 | 41.10 | 30.19 | | |
| 5 | 154.44 | 164.43 | 473.29 | 18.74 | 1120.83 | 917.83 | 321.56 | 130.57 | 22.22 | 9.36 | 36.26 | 28.74 | | |
| 6 | 139.93 | 159.40 | 452.63 | 26.99 | 869.61 | 664.71 | 373.51 | 130.57 | 21.04 | 8.86 | 36.26 | 27.32 | | |
| 7 | 139.93 | 159.40 | 452.63 | 174.66 | 720.91 | 583.81 | 402.49 | 130.57 | 19.88 | 7.91 | 37.85 | 30.19 | | |
| 8 | 139.93 | 164.43 | 452.63 | 125.99 | 706.60 | 442.35 | 678.49 | 125.99 | 19.88 | 6.76 | 39.46 | 31.66 | | |
| 9 | 139.93 | 169.51 | 392.68 | 85.85 | 838.66 | 383.13 | 2592.75 | 121.47 | 19.88 | 6.08 | 39.46 | 48.46 | | |
| 10 | 135.22 | 169.51 | 355.45 | 65.80 | 1431.24 | 373.51 | 5547.55 | 117.02 | 19.88 | 6.42 | 39.46 | 56.87 | | |
| 11 | 135.22 | 154.44 | 329.91 | 65.80 | 967.08 | 355.45 | 3419.90 | 108.31 | 18.74 | 7.10 | 37.85 | 56.87 | | |
| 12 | 130.57 | 159.40 | 313.30 | 62.77 | 570.64 | 338.34 | 1671.73 | 100.60 | 16.56 | 7.10 | 37.85 | 56.87 | | |
| 13 | 139.93 | 149.54 | 297.03 | 36.75 | 664.71 | 355.45 | 1174.06 | 96.82 | 17.64 | 7.10 | 33.17 | 61.27 | | |
| 14 | 139.93 | 179.87 | 289.03 | 36.75 | 1192.01 | 273.27 | 869.61 | 89.45 | 16.56 | 6.76 | 34.70 | 61.27 | | |
| 15 | 139.93 | 228.14 | 297.03 | 48.46 | 570.64 | 250.31 | 720.91 | 78.82 | 14.48 | 6.08 | 36.26 | 61.27 | | |
| 16 | 265.53 | 213.82 | 297.03 | 48.46 | 346.86 | 201.29 | 610.31 | 78.82 | 15.51 | 5.13 | 37.85 | 61.27 | | |
| 17 | 289.03 | 179.87 | 289.03 | 45.78 | 383.13 | 250.31 | 515.71 | 75.40 | 15.51 | 5.76 | 36.26 | 59.06 | | |
| 18 | 220.93 | 169.51 | 257.87 | 30.75 | 265.53 | 213.82 | 473.29 | 72.04 | 14.48 | 5.76 | 37.85 | 54.72 | | |
| 19 | 201.29 | 164.43 | 297.03 | 38.84 | 346.86 | 808.56 | 473.29 | 72.04 | 14.48 | 5.76 | 36.26 | 52.60 | | |
| 20 | 206.80 | 36.75 | 402.49 | 65.80 | 242.83 | 3763.12 | 392.68 | 59.79 | 14.48 | 5.44 | 31.66 | 52.60 | | |
| 21 | 185.13 | 15.51 | 402.49 | 85.85 | 190.46 | 4328.86 | 346.86 | 54.01 | 14.48 | 5.44 | 36.26 | 61.27 | | |
| 22 | 159.40 | 14.48 | 329.91 | 100.60 | 174.66 | 3798.34 | 305.12 | 54.01 | 14.48 | 5.44 | 28.74 | 63.52 | | |
| 23 | 144.70 | 36.75 | 321.56 | 54.01 | 144.70 | 3187.59 | 305.12 | 51.21 | 13.49 | 5.13 | 33.17 | 63.52 | | |
| 24 | 139.93 | 96.82 | 36.75 | 36.75 | 125.99 | 1969.58 | 281.11 | 51.21 | 12.52 | 4.82 | 33.17 | 63.52 | | |
| 25 | 139.93 | 281.11 | 23.43 | 164.43 | 164.43 | 1085.89 | 250.31 | 45.78 | 12.52 | 5.13 | 34.70 | 59.06 | | |
| 26 | 144.70 | 242.83 | 34.70 | 265.53 | 174.66 | 764.14 | 235.44 | 43.16 | 10.89 | 5.13 | 31.66 | 59.06 | | |
| 27 | 174.66 | 125.99 | 56.87 | 346.86 | 749.69 | 623.65 | 213.82 | 36.75 | 10.37 | 5.13 | 21.92 | 61.27 | | |
| 28 | 213.82 | 96.82 | 54.01 | 1156.21 | 1369.82 | 515.71 | 257.87 | 34.70 | 9.86 | 5.44 | 28.74 | 59.06 | | |
| 29 | 329.91 | 56.87 | 26.99 | 596.91 | 1138.46 | 526.45 | 364.14 | 34.70 | 9.36 | 5.76 | | 59.06 | | |
| 30 | 338.34 | 75.40 | 32.70 | 228.14 | 1410.65 | 537.46 | 185.13 | 34.70 | 8.86 | 5.13 | | 56.87 | | |
| 31 | | 89.45 | | 793.58 | 1329.47 | | 179.87 | | 7.91 | 5.13 | | 54.72 | | |
| Total | 5316.81 | 4712.48 | 8729.89 | 4905.00 | 31470.87 | 41558.56 | 24536.07 | 2641.81 | 527.64 | 210.72 | 1001.22 | 1582.73 | 127193.80 | Tonday |
| Mean | 177.23 | 152.02 | 291.00 | 158.23 | 1015.19 | 1385.29 | 791.49 | 88.06 | 17.02 | 6.80 | 35.76 | 51.06 | | Ton/day |
| Max | 338.34 | 364.14 | 473.29 | 1156.21 | 5372.41 | 5917.98 | 5547.55 | 164.43 | 34.70 | 13.49 | 41.10 | 63.52 | 5917.98 | Ton/day |
| Min | 130.57 | 14.48 | 23.43 | 18.74 | 125.99 | 201.29 | 179.87 | 34.70 | 7.91 | 4.82 | 21.92 | 27.32 | 4.82 | Ton/day |

# WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Tha at Ban Sop Mae Sapuad , Lamphun (P.77)

Lat 18 - 25 - 57 N Long 99 - 05 - 02 E

**Location : on left bank at the bridge on road.**

**Ban** Sop Mae Sapuad **Amphoe** Mae Tha **Changwat** Lamphun

| | |
|---|---|
| **Drainge Area** | 550 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2000-Cont'd |
| **Actual Measurement** | 2000-Cont'd |
| **Using Rating Curve Water Year** | 2000-2006 |
| **Number of observation** | 135 |
| **R-Square** | 0.9231 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.0327\ QW^{1.22520}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.25 | 9.92 | 15.62 | 7.87 | 459.17 | 3997.87 | 47.80 | 45.76 | 39.73 | 38.29 | 35.45 | 28.52 | | |
| 2 | 1.25 | 5.91 | 22.87 | 19.02 | 186.30 | 304.98 | 49.86 | 45.76 | 39.73 | 38.29 | 35.45 | 28.52 | | |
| 3 | 1.25 | 2.69 | 19.97 | 10.34 | 103.10 | 74.29 | 41.72 | 45.76 | 39.73 | 38.29 | 35.45 | 28.52 | | |
| 4 | 1.25 | 1.84 | 23.85 | 9.09 | 68.67 | 68.67 | 74.29 | 45.76 | 39.73 | 38.29 | 35.45 | 28.52 | | |
| 5 | 1.25 | 1.06 | 18.08 | 12.05 | 51.94 | 51.94 | 106.77 | 45.76 | 39.73 | 38.29 | 34.04 | 28.52 | | |
| 6 | 1.25 | 0.53 | 15.62 | 28.52 | 36.87 | 19.97 | 65.89 | 45.76 | 39.73 | 36.87 | 34.04 | 28.52 | | |
| 7 | 1.25 | 0.53 | 10.91 | 92.25 | 29.88 | 18.08 | 56.14 | 45.76 | 39.73 | 36.87 | 41.72 | 29.88 | | |
| 8 | 1.25 | 0.37 | 9.92 | 82.87 | 29.88 | 15.01 | 54.03 | 47.80 | 39.73 | 36.87 | 39.73 | 29.88 | | |
| 9 | 1.25 | 0.04 | 9.09 | 34.04 | 43.73 | 13.22 | 298.44 | 49.86 | 39.73 | 36.87 | 36.87 | 28.52 | | |
| 10 | 1.25 | 0.10 | 9.09 | 28.52 | 43.73 | 38.29 | 206.61 | 49.86 | 43.73 | 34.04 | 34.04 | 28.52 | | |
| 11 | 1.25 | 85.77 | 7.87 | 23.85 | 36.87 | 34.04 | 344.77 | 47.80 | 41.72 | 34.04 | 31.26 | 28.52 | | |
| 12 | 1.25 | 23.85 | 8.68 | 29.88 | 31.26 | 166.62 | 201.50 | 49.86 | 39.73 | 34.04 | 29.88 | 28.52 | | |
| 13 | 1.25 | 9.92 | 9.09 | 16.23 | 25.83 | 49.86 | 298.44 | 54.03 | 39.73 | 34.04 | 28.52 | 28.52 | | |
| 14 | 1.25 | 3.37 | 7.87 | 21.89 | 157.28 | 34.04 | 148.05 | 47.80 | 39.73 | 34.04 | 28.52 | 28.52 | | |
| 15 | 1.25 | 4.42 | 7.07 | 15.01 | 71.47 | 23.85 | 110.45 | 47.80 | 39.73 | 36.87 | 28.52 | 28.52 | | |
| 16 | 1.25 | 10.34 | 7.47 | 15.01 | 60.39 | 54.03 | 92.25 | 47.80 | 39.73 | 36.87 | 28.52 | 28.52 | | |
| 17 | 1.25 | 7.07 | 7.87 | 12.64 | 106.77 | 36.87 | 79.99 | 47.80 | 39.73 | 36.87 | 28.52 | 27.17 | | |
| 18 | 1.25 | 5.16 | 8.27 | 12.05 | 74.29 | 31.26 | 71.47 | 47.80 | 39.73 | 36.87 | 28.52 | 27.17 | | |
| 19 | 1.25 | 4.42 | 8.27 | 12.05 | 152.65 | 95.85 | 68.67 | 45.76 | 39.73 | 36.87 | 28.52 | 27.17 | | |
| 20 | 1.25 | 3.02 | 22.87 | 28.52 | 77.13 | 211.75 | 63.13 | 41.72 | 41.72 | 36.87 | 28.52 | 27.17 | | |
| 21 | 1.25 | 3.02 | 24.84 | 21.89 | 58.26 | 234.53 | 60.39 | 41.72 | 39.73 | 36.87 | 28.52 | 27.17 | | |
| 22 | 1.25 | 13.22 | 15.01 | 19.02 | 47.80 | 181.28 | 51.94 | 41.72 | 39.73 | 36.87 | 28.52 | 27.17 | | |
| 23 | 1.25 | 19.02 | 10.34 | 15.01 | 43.73 | 148.05 | 56.14 | 39.73 | 38.29 | 36.87 | 28.52 | 27.17 | | |
| 24 | 1.25 | 527.92 | 11.48 | 13.22 | 38.29 | 99.46 | 56.14 | 39.73 | 36.87 | 36.87 | 28.52 | 27.17 | | |
| 25 | 1.25 | 894.68 | 7.87 | 41.72 | 35.45 | 63.13 | 54.03 | 38.29 | 32.64 | 36.87 | 28.52 | 27.17 | | |
| 26 | 1.25 | 103.10 | 11.48 | 114.16 | 36.87 | 49.86 | 54.03 | 38.29 | 34.04 | 36.87 | 28.52 | 27.17 | | |
| 27 | 240.79 | 82.87 | 8.68 | 56.14 | 117.89 | 49.86 | 54.03 | 41.72 | 34.04 | 35.45 | 28.52 | 27.17 | | |
| 28 | 28.52 | 49.86 | 7.47 | 47.80 | 501.93 | 92.25 | 54.03 | 39.73 | 31.26 | 35.45 | 28.52 | 27.17 | | |
| 29 | 392.28 | 35.45 | 12.64 | 29.88 | 211.75 | 63.13 | 54.03 | 39.73 | 31.26 | 36.87 | | 27.17 | | |
| 30 | 28.52 | 21.89 | 7.47 | 27.17 | 117.89 | 56.14 | 49.86 | 39.73 | 32.64 | 35.45 | | 27.17 | | |
| 31 | | 23.85 | | 3441.53 | 4573.17 | | 45.76 | | 32.64 | 35.45 | | 27.17 | | |
| Total | 722.61 | 1955.21 | 367.63 | 4339.24 | 7630.24 | 6378.18 | 3070.65 | 1346.40 | 1185.72 | 1130.24 | 879.70 | 866.59 | 29872.41 | Tonday |
| Mean | 24.09 | 63.07 | 12.25 | 139.98 | 246.14 | 212.61 | 99.05 | 44.88 | 38.25 | 36.46 | 31.42 | 27.95 | | Ton/day |
| Max | 392.28 | 894.68 | 24.84 | 3441.53 | 4573.17 | 3997.87 | 344.77 | 54.03 | 43.73 | 38.29 | 41.72 | 29.88 | 4573.17 | Ton/day |
| Min | 1.25 | 0.04 | 7.07 | 7.87 | 25.83 | 13.22 | 41.72 | 38.29 | 31.26 | 34.04 | 28.52 | 27.17 | 0.04 | Ton/day |

## WATER YEAR : 2006

### PING RIVER BASIN

### Nam Mae Wang at Ban Mae Win , Chiang Mai (P.82)

Lat 18 - 39 - 08 N Long 98 - 41 - 26 E

**Location : on left bank at Ban Mae Win.**

**Ban** Mae Win **Amphoe** Mae Wang **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 389 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2003-Cont'd |
| **Actual Measurement** | 2003-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 18 |
| **R-Square** | 0.8691 |
| **Remarks** | Continued Sediment Station |

$$QS = 219.7500\ QW^{2.10490}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 480.39 | 2888.28 | 4066.35 | 11298.74 | 39287.24 | 238893.57 | 54694.31 | 34194.50 | 9884.84 | 6233.37 | 3450.93 | 1919.34 | |
| 2 | 480.39 | 1268.61 | 4393.98 | 8569.78 | 42889.06 | 114109.73 | 46657.04 | 32579.21 | 9215.00 | 6233.37 | 3450.93 | 1919.34 | |
| 3 | 480.39 | 1268.61 | 4734.96 | 6233.37 | 15270.22 | 68483.48 | 65687.59 | 31004.89 | 9215.00 | 6233.37 | 3450.93 | 1709.30 | |
| 4 | 446.18 | 757.27 | 4734.96 | 4393.98 | 9884.84 | 39287.24 | 99830.24 | 29471.45 | 9215.00 | 5838.50 | 3450.93 | 1709.30 | |
| 5 | 446.18 | 446.18 | 2888.28 | 3450.93 | 7499.65 | 46657.04 | 106844.77 | 29471.45 | 9215.00 | 5838.50 | 3450.93 | 1709.30 | |
| 6 | 381.74 | 413.30 | 2142.19 | 8569.78 | 5089.34 | 23744.37 | 80280.63 | 27978.78 | 8569.78 | 5457.17 | 3450.93 | 1512.00 | |
| 7 | 351.49 | 381.74 | 1919.34 | 11298.74 | 5838.50 | 23744.37 | 943626.55 | 27978.78 | 8569.78 | 5457.17 | 3450.93 | 1512.00 | |
| 8 | 351.49 | 381.74 | 1512.00 | 7063.90 | 4734.96 | 22413.72 | 694812.66 | 27978.78 | 9215.00 | 5457.17 | 3450.93 | 1387.51 | |
| 9 | 351.49 | 480.39 | 1387.51 | 5457.17 | 8569.78 | 110445.89 | 265019.08 | 26526.79 | 9215.00 | 5457.17 | 3450.93 | 1387.51 | |
| 10 | 351.49 | 1268.61 | 1268.61 | 5089.34 | 5838.50 | 652586.32 | 181339.09 | 25115.35 | 9884.84 | 5457.17 | 3450.93 | 1268.61 | |
| 11 | 351.49 | 1709.30 | 1047.53 | 4066.35 | 6641.82 | 2860414.32 | 306884.38 | 23744.37 | 9215.00 | 5457.17 | 3163.04 | 1268.61 | |
| 12 | 351.49 | 1268.61 | 1155.30 | 3450.93 | 15270.22 | 3219002.95 | 172042.84 | 23744.37 | 8569.78 | 5457.17 | 3163.04 | 1268.61 | |
| 13 | 322.55 | 5457.17 | 945.29 | 3163.04 | 7949.11 | 960505.98 | 129394.19 | 22413.72 | 7949.11 | 5089.34 | 2626.59 | 1268.61 | |
| 14 | 322.55 | 5089.34 | 945.29 | 2888.28 | 16361.38 | 367738.21 | 110445.89 | 21123.29 | 7949.11 | 5089.34 | 2626.59 | 1268.61 | |
| 15 | 322.55 | 125478.51 | 1155.30 | 3163.04 | 8569.78 | 186083.60 | 96416.62 | 19872.97 | 7499.65 | 5089.34 | 2377.91 | 1268.61 | |
| 16 | 322.55 | 8569.78 | 1512.00 | 3163.04 | 7499.65 | 129394.19 | 83383.92 | 18662.63 | 7499.65 | 5089.34 | 2142.19 | 1268.61 | |
| 17 | 22413.72 | 5457.17 | 1512.00 | 3752.02 | 7499.65 | 99830.24 | 77239.06 | 17492.14 | 7499.65 | 4393.98 | 2142.19 | 1155.30 | |
| 18 | 757.27 | 2626.59 | 2142.19 | 3163.04 | 5457.17 | 265019.08 | 68483.48 | 16361.38 | 7063.90 | 4393.98 | 2377.91 | 1155.30 | |
| 19 | 480.39 | 2142.19 | 2377.91 | 5457.17 | 8569.78 | 306884.38 | 68483.48 | 16361.38 | 7499.65 | 4066.35 | 2377.91 | 1155.30 | |
| 20 | 2626.59 | 1512.00 | 4734.96 | 7949.11 | 5457.17 | 172042.84 | 58964.92 | 16361.38 | 7499.65 | 4066.35 | 2377.91 | 1155.30 | |
| 21 | 590.99 | 5457.17 | 10579.39 | 5089.34 | 6233.37 | 145689.96 | 56808.55 | 14425.71 | 7499.65 | 3752.02 | 2142.19 | 1155.30 | |
| 22 | 446.18 | 54694.31 | 3752.02 | 4734.96 | 5838.50 | 121625.93 | 54694.31 | 13606.38 | 7063.90 | 3752.02 | 2142.19 | 1155.30 | |
| 23 | 590.99 | 9884.84 | 15270.22 | 4066.35 | 4066.35 | 238893.57 | 50591.90 | 13606.38 | 7063.90 | 3752.02 | 2142.19 | 1155.30 | |
| 24 | 480.39 | 74259.09 | 10579.39 | 32579.21 | 4393.98 | 110445.89 | 46657.04 | 13606.38 | 7063.90 | 3752.02 | 2142.19 | 1155.30 | |
| 25 | 446.18 | 18662.63 | 321556.87 | 314175.67 | 10579.39 | 71340.60 | 46657.04 | 12812.16 | 7063.90 | 3752.02 | 2142.19 | 1155.30 | |
| 26 | 590.99 | 6233.37 | 26526.79 | 65687.59 | 158579.07 | 58964.92 | 42889.06 | 12812.16 | 7063.90 | 3752.02 | 2142.19 | 1047.53 | |
| 27 | 515.92 | 4066.35 | 27978.78 | 39287.24 | 46657.04 | 65687.59 | 41067.42 | 12812.16 | 6641.82 | 3752.02 | 1919.34 | 1047.53 | |
| 28 | 2626.59 | 29471.45 | 42889.06 | 17492.14 | 18662.63 | 125478.51 | 41067.42 | 12042.97 | 6641.82 | 3752.02 | 1919.34 | 1047.53 | |
| 29 | 25115.35 | 7063.90 | 15270.22 | 13606.38 | 12042.97 | 133373.09 | 39287.24 | 12042.97 | 6233.37 | 3752.02 | | 945.29 | |
| 30 | 50591.90 | 4393.98 | 9884.84 | 9884.84 | 11298.74 | 71340.60 | 37548.42 | 10579.39 | 6233.37 | 3752.02 | | 945.29 | |
| 31 | | 5089.34 | | 145689.96 | 1302368.90 | | 35850.88 | | 6233.37 | 3752.02 | | 945.29 | |
| Total | 114387.86 | 388141.82 | 530863.53 | 763935.43 | 1814898.76 | 11050122.18 | 4203650.02 | 616784.27 | 245247.29 | 147127.54 | 76576.40 | 40022.03 | 19991757.13 |
| Mean | 3812.93 | 12520.70 | 17695.45 | 24643.08 | 58545.12 | 368337.41 | 135601.61 | 20559.48 | 7911.20 | 4746.05 | 2734.87 | 1291.03 | |
| Max | 50591.90 | 125478.51 | 321556.87 | 314175.67 | 1302368.90 | 3219002.95 | 943626.55 | 34194.50 | 9884.84 | 6233.37 | 3450.93 | 1919.34 | 3219002.95 |
| Min | 322.55 | 381.74 | 945.29 | 2888.28 | 4066.35 | 22413.72 | 35850.88 | 10579.39 | 6233.37 | 3752.02 | 1919.34 | 945.29 | 322.55 |

# WATER YEAR : 2006

## PING RIVER BASIN

### Nam Mae Wang at Ban Mae Chaem , Chiang Mai (P.84)

Lat 18 - 35 - 20 N Long 98 - 47 - 59 E

**Location : on left bank at Ban Mae Chaem.**

**Ban** Mae Chaem **Amphoe** Mae Wang **Changwat** Chiang Mai

| | |
|---|---|
| **Drainge Area** | 491 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2003-Cont'd |
| **Actual Measurement** | 2003-Cont'd |
| **Using Rating Curve Water Year** | 2005-2006 |
| **Number of observation** | 16 |
| **R-Square** | 0.8553 |
| **Remarks** | Continued Sediment Station |

$$QS = 191.1000\ QW^{1.32560}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21.14 | 1786.99 | 967.81 | 967.81 | 4633.43 | 22298.70 | 6558.22 | 2698.83 | 783.82 | 438.14 | 64.36 | 68.27 | | |
| 2 | 21.14 | 712.98 | 930.26 | 1160.85 | 2914.47 | 12694.84 | 5703.35 | 2435.15 | 712.98 | 438.14 | 72.23 | 72.23 | | |
| 3 | 21.14 | 494.90 | 1486.60 | 613.29 | 2229.11 | 5104.73 | 6831.27 | 2435.15 | 712.98 | 410.41 | 76.25 | 68.27 | | |
| 4 | 30.42 | 151.66 | 1528.67 | 237.98 | 1362.14 | 4108.92 | 9272.87 | 2383.22 | 678.19 | 410.41 | 84.43 | 64.36 | | |
| 5 | 47.52 | 80.31 | 893.07 | 222.08 | 1121.56 | 2914.47 | 10882.52 | 2280.20 | 678.19 | 410.41 | 64.36 | 76.25 | | |
| 6 | 52.99 | 37.04 | 613.29 | 304.18 | 893.07 | 2860.18 | 11156.84 | 2331.57 | 678.19 | 410.41 | 60.51 | 222.08 | | |
| 7 | 123.63 | 32.04 | 553.32 | 1321.25 | 748.19 | 2806.14 | 23530.00 | 2383.22 | 712.98 | 338.72 | 64.36 | 356.32 | | |
| 8 | 84.43 | 33.69 | 466.31 | 893.07 | 523.91 | 2806.14 | 31019.62 | 2280.20 | 712.98 | 304.18 | 72.23 | 410.41 | | |
| 9 | 54.85 | 37.04 | 410.41 | 523.91 | 1528.67 | 4766.94 | 15163.69 | 2280.20 | 678.19 | 321.34 | 80.31 | 304.18 | | |
| 10 | 22.63 | 45.73 | 222.08 | 553.32 | 930.26 | 10882.52 | 8223.31 | 2331.57 | 643.83 | 321.34 | 80.31 | 222.08 | | |
| 11 | 22.63 | 553.32 | 171.10 | 151.66 | 1043.99 | 50538.40 | 13843.23 | 2383.22 | 643.83 | 237.98 | 76.25 | 47.52 | | |
| 12 | 21.14 | 321.34 | 92.82 | 92.82 | 1362.14 | 49941.11 | 11294.62 | 2383.22 | 643.83 | 206.45 | 80.31 | 47.52 | | |
| 13 | 21.14 | 1486.60 | 80.31 | 123.63 | 1528.67 | 30138.43 | 6831.27 | 2280.20 | 553.32 | 171.10 | 84.43 | 43.95 | | |
| 14 | 19.68 | 1200.47 | 72.23 | 80.31 | 2178.30 | 17581.71 | 6032.31 | 2178.30 | 643.83 | 142.17 | 80.31 | 43.95 | | |
| 15 | 19.68 | 12411.60 | 64.36 | 84.43 | 1403.33 | 11432.82 | 5378.99 | 2127.79 | 712.98 | 161.31 | 88.61 | 40.46 | | |
| 16 | 21.14 | 3663.05 | 68.27 | 76.25 | 1280.68 | 8007.02 | 4766.94 | 2077.57 | 712.98 | 105.76 | 84.43 | 38.74 | | |
| 17 | 21.14 | 2077.57 | 60.51 | 84.43 | 893.07 | 6558.22 | 4369.24 | 2077.57 | 856.27 | 97.09 | 80.31 | 47.52 | | |
| 18 | 383.13 | 1160.85 | 60.51 | 132.82 | 783.82 | 19451.15 | 4369.24 | 2027.65 | 1005.72 | 114.61 | 60.51 | 49.33 | | |
| 19 | 142.17 | 856.27 | 68.27 | 142.17 | 783.82 | 12270.57 | 5104.73 | 2027.65 | 1005.72 | 123.63 | 68.27 | 45.73 | | |
| 20 | 438.14 | 783.82 | 105.76 | 783.82 | 1043.99 | 14280.09 | 4766.94 | 1879.69 | 967.81 | 123.63 | 72.23 | 47.52 | | |
| 21 | 181.03 | 748.19 | 967.81 | 438.14 | 967.81 | 12129.94 | 4500.86 | 1613.67 | 930.26 | 132.82 | 88.61 | 45.73 | | |
| 22 | 132.82 | 9510.24 | 583.11 | 356.32 | 930.26 | 8802.58 | 4369.24 | 1786.99 | 930.26 | 151.66 | 97.09 | 47.52 | | |
| 23 | 60.51 | 3134.09 | 222.08 | 254.16 | 643.83 | 17890.04 | 3980.25 | 1160.85 | 819.85 | 132.82 | 84.43 | 47.52 | | |
| 24 | 42.20 | 11571.43 | 1743.25 | 191.10 | 553.32 | 10110.06 | 3980.25 | 748.19 | 466.31 | 142.17 | 60.51 | 42.20 | | |
| 25 | 51.15 | 4303.80 | 13265.98 | 5621.82 | 678.19 | 7905.73 | 3725.97 | 1005.72 | 1321.25 | 191.10 | 68.27 | 40.46 | | |
| 26 | 51.15 | 2383.22 | 3852.59 | 10352.48 | 1200.47 | 6377.72 | 3725.97 | 783.82 | 1160.85 | 114.61 | 76.25 | 191.10 | | |
| 27 | 54.85 | 1486.60 | 5172.96 | 3980.25 | 4369.24 | 8007.02 | 3663.05 | 856.27 | 438.14 | 88.61 | 72.23 | 206.45 | | |
| 28 | 181.03 | 1743.25 | 4766.94 | 2229.11 | 2383.22 | 9749.09 | 3663.05 | 819.85 | 466.31 | 76.25 | 72.23 | 410.41 | | |
| 29 | 6198.47 | 2592.56 | 2914.47 | 1571.03 | 1571.03 | 12553.02 | 3600.39 | 678.19 | 383.13 | 56.72 | | 151.66 | | |
| 30 | 7905.73 | 1699.79 | 1571.03 | 1200.47 | 1240.42 | 8007.02 | 3414.03 | 893.07 | 356.32 | 64.36 | | 35.35 | | |
| 31 | | 1362.14 | | 6558.22 | 23944.02 | | 3134.09 | | 410.41 | 64.36 | | 33.69 | | |
| Total | 16448.82 | 68462.58 | 43976.18 | 41303.18 | 67668.43 | 392975.32 | 236856.35 | 55628.79 | 22421.71 | 6502.71 | 2114.63 | 3568.78 | 957927.48 | Tonday |
| Mean | 548.29 | 2208.47 | 1465.87 | 1332.36 | 2182.85 | 13099.18 | 7640.53 | 1854.29 | 723.28 | 209.76 | 75.52 | 115.12 | | Ton/day |
| Max | 7905.73 | 12411.60 | 13265.98 | 10352.48 | 23944.02 | 50538.40 | 31019.62 | 2698.83 | 1321.25 | 438.14 | 97.09 | 410.41 | 50538.40 | Ton/day |
| Min | 19.68 | 32.04 | 60.51 | 76.25 | 523.91 | 2806.14 | 3134.09 | 678.19 | 356.32 | 56.72 | 60.51 | 33.69 | 19.68 | Ton/day |

# WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Wang Man , Tak (W.4A)

Lat 17 - 12 - 19 N Long 99 - 06 - 05 E

**Location : on left bank about 200 meters upstream from the bridge on highway.**

**Ban** Wang Man **Amphoe** Sam Ngao **Changwat** Tak

| | |
|---|---|
| **Drainge Area** | 10,439 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1989-Cont'd |
| **Actual Measurement** | 1989-Cont'd |
| **Using Rating Curve Water Year** | 1989-2006 |
| **Number of observation** | 305 |
| **R-Square** | 0.9139 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.8332\ QW^{1.42090}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.33 | 167.63 | 2507.68 | 667.99 | 538.02 | 9719.39 | 12465.31 | 315.21 | 148.14 | 15.78 | 3.90 | 4.06 | | |
| 2 | 55.33 | 415.99 | 2323.95 | 518.08 | 1148.75 | 9554.62 | 9390.68 | 315.21 | 136.79 | 36.45 | 3.90 | 4.06 | | |
| 3 | 55.33 | 447.24 | 2144.43 | 440.88 | 5278.24 | 12672.10 | 6879.30 | 298.24 | 105.28 | 37.72 | 5.99 | 3.57 | | |
| 4 | 77.94 | 243.36 | 1798.58 | 385.54 | 4621.04 | 15011.66 | 7690.59 | 298.24 | 92.55 | 41.60 | 3.73 | 3.11 | | |
| 5 | 90.06 | 144.32 | 1501.74 | 293.54 | 4065.53 | 15011.66 | 9554.62 | 288.86 | 95.06 | 60.76 | 3.73 | 3.26 | | |
| 6 | 75.97 | 100.13 | 1201.76 | 274.97 | 3849.07 | 11239.16 | 13933.69 | 303.90 | 95.06 | 66.35 | 5.99 | 15.78 | | |
| 7 | 48.32 | 75.97 | 1798.58 | 338.18 | 3151.28 | 6931.55 | 17882.83 | 320.85 | 87.60 | 43.25 | 5.99 | 23.38 | | |
| 8 | 66.35 | 62.61 | 835.82 | 565.84 | 2652.65 | 5519.73 | 14147.38 | 298.24 | 74.01 | 53.55 | 7.13 | 17.28 | | |
| 9 | 58.93 | 55.33 | 690.52 | 775.00 | 1728.83 | 4399.97 | 11412.01 | 298.24 | 72.07 | 33.95 | 12.91 | 14.32 | | |
| 10 | 36.45 | 50.04 | 485.54 | 682.99 | 989.03 | 3556.18 | 8599.67 | 293.54 | 72.07 | 25.63 | 24.50 | 12.91 | | |
| 11 | 19.08 | 74.01 | 422.23 | 609.01 | 800.90 | 3208.23 | 7335.49 | 298.24 | 68.24 | 20.13 | 11.54 | 8.94 | | |
| 12 | 17.28 | 90.06 | 279.58 | 587.31 | 653.09 | 5671.21 | 7690.59 | 284.21 | 62.61 | 18.05 | 17.28 | 10.87 | | |
| 13 | 8.94 | 66.35 | 200.26 | 544.62 | 524.75 | 11239.16 | 7960.15 | 252.28 | 58.93 | 15.05 | 11.54 | 5.99 | | |
| 14 | 8.32 | 55.33 | 171.61 | 587.31 | 422.23 | 12111.15 | 7247.50 | 217.20 | 58.93 | 11.54 | 17.28 | 3.57 | | |
| 15 | 20.13 | 66.35 | 155.85 | 538.02 | 572.97 | 11067.09 | 4821.10 | 179.66 | 57.12 | 13.61 | 21.20 | 2.38 | | |
| 16 | 23.38 | 66.35 | 126.62 | 459.90 | 1538.93 | 6983.92 | 3019.58 | 144.32 | 60.76 | 10.22 | 25.63 | 1.78 | | |
| 17 | 19.08 | 95.06 | 123.89 | 373.53 | 2492.21 | 6619.82 | 2339.10 | 133.06 | 66.35 | 21.20 | 19.08 | 1.53 | | |
| 18 | 35.19 | 225.82 | 133.06 | 332.33 | 2445.98 | 4821.10 | 1812.62 | 140.54 | 48.32 | 30.30 | 18.05 | 1.53 | | |
| 19 | 35.19 | 217.20 | 129.37 | 315.21 | 1883.34 | 3536.57 | 1353.88 | 175.62 | 41.60 | 46.61 | 17.28 | 1.53 | | |
| 20 | 41.60 | 148.14 | 129.37 | 343.94 | 1298.94 | 3057.04 | 1007.55 | 155.85 | 29.11 | 21.20 | 14.32 | 1.58 | | |
| 21 | 43.25 | 126.62 | 175.62 | 367.50 | 1940.49 | 5146.38 | 862.30 | 140.54 | 27.93 | 4.06 | 14.32 | 4.39 | | |
| 22 | 41.60 | 123.89 | 844.62 | 338.18 | 1911.85 | 7601.35 | 740.86 | 136.79 | 16.53 | 3.90 | 16.53 | 10.87 | | |
| 23 | 41.60 | 200.26 | 2174.05 | 524.75 | 1477.10 | 11067.09 | 653.09 | 187.82 | 9.57 | 16.53 | 15.78 | 15.78 | | |
| 24 | 37.72 | 1065.43 | 2852.72 | 862.30 | 1212.45 | 14362.02 | 565.84 | 204.45 | 26.77 | 15.05 | 12.22 | 15.78 | | |
| 25 | 58.93 | 5411.08 | 2278.67 | 565.84 | 979.81 | 22825.62 | 531.30 | 140.54 | 26.77 | 10.87 | 8.32 | 10.22 | | |
| 26 | 55.33 | 8692.22 | 2323.95 | 379.46 | 1342.84 | 37150.43 | 485.54 | 121.18 | 23.38 | 8.94 | 5.44 | 5.44 | | |
| 27 | 58.93 | 8692.22 | 1756.63 | 265.82 | 1086.09 | 29434.96 | 434.68 | 107.88 | 23.38 | 7.72 | 4.06 | 4.39 | | |
| 28 | 53.55 | 8785.06 | 1489.40 | 332.33 | 660.53 | 24250.99 | 349.85 | 105.28 | 20.13 | 6.55 | 3.73 | 3.90 | | |
| 29 | 44.92 | 5709.28 | 1223.16 | 565.84 | 844.62 | 17057.43 | 315.21 | 110.51 | 20.13 | 14.32 | | 3.42 | | |
| 30 | 37.72 | 3497.46 | 915.98 | 682.99 | 1812.62 | 13509.23 | 355.66 | 136.79 | 18.05 | 9.57 | | 2.81 | | |
| 31 | | 3734.08 | | 645.68 | 3896.87 | | 332.33 | | 13.61 | 4.91 | | 2.38 | | |
| Total | 1321.75 | 48904.89 | 33195.24 | 15164.88 | 57821.05 | 344336.81 | 162170.30 | 6403.29 | 1756.85 | 725.37 | 331.37 | 220.81 | 672352.61 | Tonday |
| Mean | 44.06 | 1577.58 | 1106.51 | 489.19 | 1865.20 | 11477.89 | 5231.30 | 213.44 | 56.67 | 23.40 | 11.83 | 7.12 | | Ton/day |
| Max | 90.06 | 8785.06 | 2852.72 | 862.30 | 5278.24 | 37150.43 | 17882.83 | 320.85 | 148.14 | 66.35 | 25.63 | 23.38 | 37150.43 | Ton/day |
| Min | 8.32 | 50.04 | 123.89 | 265.82 | 422.23 | 3057.04 | 315.21 | 105.28 | 9.57 | 3.90 | 3.73 | 1.53 | 1.53 | Ton/day |

# WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Hai , Lampang (W.16A)

Lat 18 - 46 - 45 N Long 99 - 37 - 52 E

**Location : on left bank at Ban Hai**

**Ban** Hai **Amphoe** Chae Hom **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 1,392 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2000-Cont'd |
| **Actual Measurement** | 2000-Cont'd |
| **Using Rating Curve Water Year** | 2000-2006 |
| **Number of observation** | 137 |
| **R-Square** | 0.9333 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.6045\ QW^{1.52600}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.33 | 165.56 | 112.81 | 2.76 | 4699.05 | 10646.58 | 797.32 | 219.22 | 99.57 | 63.45 | 52.70 | 39.48 | | |
| 2 | 2.00 | 78.81 | 185.07 | 1.65 | 714.01 | 6113.38 | 607.96 | 219.22 | 117.34 | 63.45 | 52.70 | 39.48 | | |
| 3 | 1.03 | 42.66 | 171.98 | 7.17 | 414.31 | 2017.16 | 483.93 | 146.81 | 117.34 | 67.18 | 52.70 | 39.48 | | |
| 4 | 0.31 | 24.07 | 108.33 | 5.89 | 327.46 | 825.79 | 686.95 | 171.98 | 103.92 | 67.18 | 52.70 | 39.48 | | |
| 5 | 0.31 | 18.30 | 86.91 | 4.70 | 247.93 | 403.07 | 1677.18 | 198.49 | 108.33 | 67.18 | 59.79 | 39.48 | | |
| 6 | 0.31 | 11.51 | 39.48 | 5.89 | 117.34 | 276.86 | 1097.00 | 198.49 | 117.34 | 63.45 | 63.45 | 39.48 | | |
| 7 | 0.31 | 5.89 | 28.20 | 8.54 | 70.99 | 286.75 | 1034.46 | 198.49 | 128.86 | 67.18 | 63.45 | 39.48 | | |
| 8 | 0.31 | 2.76 | 20.16 | 86.91 | 165.56 | 226.28 | 943.05 | 198.49 | 171.98 | 67.18 | 59.79 | 39.48 | | |
| 9 | 0.31 | 2.00 | 14.77 | 86.91 | 306.87 | 198.49 | 2956.84 | 205.32 | 134.75 | 67.18 | 56.21 | 39.48 | | |
| 10 | 0.76 | 1.65 | 13.10 | 30.35 | 1193.15 | 247.93 | 3577.55 | 198.49 | 108.33 | 67.18 | 56.21 | 39.48 | | |
| 11 | 0.76 | 1.03 | 9.99 | 26.10 | 582.38 | 582.38 | 1930.15 | 198.49 | 70.99 | 74.86 | 52.70 | 39.48 | | |
| 12 | 0.76 | 1.03 | 5.89 | 14.77 | 296.75 | 2566.21 | 1193.15 | 198.49 | 39.48 | 70.99 | 52.70 | 0.41 | | |
| 13 | 0.52 | 0.76 | 2.37 | 14.77 | 5271.06 | 3108.18 | 913.23 | 198.49 | 39.48 | 67.18 | 52.70 | 0.86 | | |
| 14 | 0.76 | 0.31 | 2.37 | 9.99 | 2105.48 | 973.19 | 714.01 | 198.49 | 34.81 | 67.18 | 52.70 | 0.92 | | |
| 15 | 1.03 | 4.70 | 2.37 | 8.54 | 460.31 | 483.93 | 582.38 | 198.49 | 34.81 | 67.18 | 49.28 | 0.92 | | |
| 16 | 0.76 | 49.28 | 2.00 | 8.54 | 219.22 | 403.07 | 460.31 | 198.49 | 34.81 | 67.18 | 45.93 | 0.92 | | |
| 17 | 18.30 | 30.35 | 1.65 | 7.17 | 769.20 | 741.43 | 414.31 | 198.49 | 34.81 | 67.18 | 42.66 | 0.96 | | |
| 18 | 32.56 | 18.30 | 1.33 | 7.17 | 348.51 | 1292.05 | 380.92 | 191.74 | 30.35 | 67.18 | 42.66 | 0.96 | | |
| 19 | 49.28 | 78.81 | 1.33 | 8.54 | 825.79 | 448.65 | 391.94 | 185.07 | 32.56 | 67.18 | 42.66 | 0.92 | | |
| 20 | 13.10 | 26.10 | 2.00 | 13.10 | 1640.76 | 13345.34 | 359.20 | 117.34 | 34.81 | 63.45 | 42.66 | 0.92 | | |
| 21 | 4.70 | 16.50 | 123.05 | 22.08 | 557.18 | 42847.29 | 359.20 | 103.92 | 34.81 | 63.45 | 42.66 | 0.92 | | |
| 22 | 2.00 | 11.51 | 185.07 | 32.56 | 337.93 | 17099.49 | 359.20 | 146.81 | 34.81 | 59.79 | 42.66 | 0.92 | | |
| 23 | 2.00 | 32.56 | 108.33 | 24.07 | 233.42 | 10750.45 | 348.51 | 171.98 | 34.81 | 59.79 | 42.66 | 0.92 | | |
| 24 | 1.03 | 74.86 | 63.45 | 20.16 | 159.23 | 4377.03 | 370.01 | 146.81 | 34.81 | 59.79 | 42.66 | 0.92 | | |
| 25 | 0.52 | 483.93 | 49.28 | 20.16 | 112.81 | 2518.74 | 317.11 | 146.81 | 32.56 | 63.45 | 42.66 | 1.07 | | |
| 26 | 2.00 | 769.20 | 56.21 | 34.81 | 4504.90 | 1677.18 | 286.75 | 146.81 | 32.56 | 59.79 | 39.48 | 0.92 | | |
| 27 | 24.07 | 191.74 | 42.66 | 30.35 | 8740.34 | 1533.15 | 247.93 | 140.74 | 32.56 | 59.79 | 39.48 | 0.89 | | |
| 28 | 32.56 | 117.34 | 26.10 | 56.21 | 5196.64 | 1160.79 | 247.93 | 134.75 | 32.56 | 56.21 | 39.48 | 0.96 | | |
| 29 | 152.98 | 56.21 | 9.99 | 56.21 | 2017.16 | 1193.15 | 240.64 | 134.75 | 37.12 | 56.21 | | 0.96 | | |
| 30 | 403.07 | 34.81 | 3.60 | 34.81 | 1718.49 | 1097.00 | 240.64 | 117.34 | 49.28 | 52.70 | | 0.96 | | |
| 31 | | 108.33 | | 425.65 | 12240.71 | | 233.42 | | 56.21 | 52.70 | | 0.92 | | |
| Total | 749.74 | 2460.87 | 1479.85 | 1116.53 | 56594.94 | 129440.99 | 24453.18 | 5229.30 | 2006.76 | 1983.84 | 1378.09 | 452.43 | 227346.52 | Tonday |
| Mean | 24.99 | 79.38 | 49.33 | 36.02 | 1825.64 | 4314.70 | 788.81 | 174.31 | 64.73 | 63.99 | 49.22 | 14.59 | | Ton/day |
| Max | 403.07 | 769.20 | 185.07 | 425.65 | 12240.71 | 42847.29 | 3577.55 | 219.22 | 171.98 | 74.86 | 63.45 | 39.48 | 42847.29 | Ton/day |
| Min | 0.31 | 0.31 | 1.33 | 1.65 | 70.99 | 198.49 | 233.42 | 103.92 | 30.35 | 52.70 | 39.48 | 0.41 | 0.31 | Ton/day |

# WATER YEAR : 2006

## WANG RIVER BASIN

### Nam Mae Soi at Ban Nong Nao , Lampang (W.17)

Lat 18 - 43 - 13 N Long 99 - 34 - 04 E

**Location : on right at the bridge of Lampang - Wang Nua Road.**

**Ban** Nong Nao **Amphoe** Chae Hom **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 726 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1996-Cont'd |
| **Actual Measurement** | 1996-Cont'd |
| **Using Rating Curve Water Year** | 1996-2006 |
| **Number of observation** | 250 |
| **R-Square** | 0.8766 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.4226\ QW^{1.49060}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.44 | 29.27 | 13.25 | 4.27 | 1764.28 | 9538.20 | 248.08 | 64.37 | 46.06 | 20.47 | 8.77 | 3.84 | | |
| 2 | 1.60 | 10.49 | 14.22 | 4.27 | 171.92 | 1926.01 | 188.09 | 64.37 | 46.06 | 22.15 | 8.77 | 17.25 | | |
| 3 | 1.29 | 7.95 | 25.63 | 8.77 | 130.45 | 599.70 | 207.47 | 64.37 | 46.06 | 18.84 | 8.77 | 27.43 | | |
| 4 | 1.01 | 7.95 | 57.01 | 5.65 | 88.13 | 305.65 | 358.99 | 57.01 | 40.88 | 18.84 | 8.77 | 29.27 | | |
| 5 | 1.01 | 11.39 | 18.84 | 5.65 | 33.50 | 248.08 | 627.85 | 51.44 | 48.73 | 18.84 | 8.77 | 29.27 | | |
| 6 | 1.93 | 6.39 | 11.39 | 229.51 | 40.88 | 171.92 | 400.80 | 60.65 | 46.06 | 18.84 | 9.62 | 29.27 | | |
| 7 | 6.39 | 4.27 | 9.62 | 48.73 | 35.91 | 152.31 | 358.99 | 64.37 | 46.06 | 18.84 | 9.62 | 27.43 | | |
| 8 | 4.27 | 5.18 | 9.62 | 120.43 | 23.87 | 171.92 | 158.76 | 64.37 | 43.45 | 17.25 | 8.77 | 23.87 | | |
| 9 | 3.84 | 13.25 | 7.95 | 31.15 | 101.21 | 248.08 | 7663.96 | 72.02 | 40.88 | 11.39 | 8.77 | 20.47 | | |
| 10 | 4.27 | 8.77 | 5.18 | 29.27 | 68.16 | 248.08 | 714.79 | 79.94 | 40.88 | 14.22 | 8.77 | 20.47 | | |
| 11 | 3.84 | 27.43 | 5.65 | 13.25 | 38.37 | 227.48 | 410.13 | 84.00 | 38.37 | 14.22 | 8.77 | 22.15 | | |
| 12 | 4.27 | 20.47 | 7.15 | 11.39 | 54.20 | 237.70 | 262.84 | 84.00 | 35.91 | 17.25 | 7.15 | 20.47 | | |
| 13 | 4.72 | 9.62 | 4.72 | 6.39 | 110.69 | 486.24 | 192.30 | 79.94 | 38.37 | 18.84 | 4.72 | 20.47 | | |
| 14 | 4.27 | 7.15 | 4.72 | 5.18 | 410.13 | 207.47 | 171.92 | 79.94 | 33.50 | 18.84 | 5.18 | 20.47 | | |
| 15 | 4.72 | 72.02 | 3.42 | 4.72 | 79.94 | 145.95 | 140.72 | 72.02 | 29.27 | 18.84 | 5.65 | 20.47 | | |
| 16 | 6.39 | 22.15 | 4.72 | 4.72 | 48.73 | 127.41 | 125.41 | 68.16 | 29.27 | 17.25 | 5.18 | 20.47 | | |
| 17 | 8.77 | 12.31 | 4.72 | 3.42 | 48.73 | 152.31 | 125.41 | 72.02 | 25.63 | 17.25 | 4.72 | 20.47 | | |
| 18 | 12.31 | 14.22 | 3.84 | 4.72 | 57.01 | 165.30 | 120.43 | 68.16 | 22.15 | 15.71 | 4.72 | 20.47 | | |
| 19 | 17.25 | 38.37 | 3.84 | 5.65 | 152.31 | 2516.27 | 135.55 | 68.16 | 20.47 | 12.31 | 4.27 | 15.71 | | |
| 20 | 20.47 | 18.84 | 79.94 | 22.15 | 92.33 | 5397.81 | 352.40 | 51.44 | 18.84 | 12.31 | 4.27 | 12.31 | | |
| 21 | 23.87 | 13.25 | 79.94 | 48.73 | 57.01 | 7235.09 | 96.58 | 64.37 | 15.71 | 12.31 | 4.27 | 13.25 | | |
| 22 | 15.71 | 31.15 | 25.63 | 31.15 | 48.73 | 2405.13 | 92.33 | 60.65 | 15.71 | 11.39 | 5.18 | 14.22 | | |
| 23 | 11.39 | 72.02 | 18.84 | 17.25 | 35.91 | 5149.28 | 88.13 | 60.65 | 15.71 | 11.39 | 4.72 | 17.25 | | |
| 24 | 9.62 | 237.70 | 13.25 | 10.49 | 31.15 | 1011.76 | 88.13 | 60.65 | 17.25 | 13.25 | 4.72 | 20.47 | | |
| 25 | 7.95 | 371.32 | 5.65 | 60.65 | 87.54 | 580.25 | 79.94 | 57.01 | 17.25 | 14.22 | 4.72 | 17.25 | | |
| 26 | 7.95 | 101.21 | 10.49 | 213.41 | 805.37 | 486.24 | 57.01 | 57.01 | 14.22 | 13.25 | 4.72 | 12.31 | | |
| 27 | 14.22 | 40.88 | 18.84 | 171.92 | 561.01 | 450.19 | 51.44 | 46.06 | 15.71 | 12.31 | 4.27 | 10.49 | | |
| 28 | 17.25 | 25.63 | 11.39 | 145.95 | 1249.03 | 386.70 | 57.01 | 48.73 | 18.84 | 12.31 | 4.27 | 9.62 | | |
| 29 | 622.18 | 15.71 | 8.77 | 51.44 | 318.72 | 714.79 | 57.01 | 48.73 | 17.25 | 14.22 | | 9.62 | | |
| 30 | 79.94 | 22.15 | 5.18 | 23.87 | 714.79 | 372.76 | 60.65 | 43.45 | 15.71 | 12.31 | | 9.62 | | |
| 31 | | 27.43 | | 1124.90 | 6820.65 | | 64.37 | | 18.84 | 9.62 | | 8.77 | | |
| Total | 924.14 | 1305.94 | 493.41 | 2469.05 | 14280.66 | 42066.08 | 13757.49 | 1918.06 | 919.10 | 479.08 | 180.90 | 564.90 | 79358.81 | Tonday |
| Mean | 30.80 | 42.13 | 16.45 | 79.65 | 460.67 | 1402.20 | 443.79 | 63.94 | 29.65 | 15.45 | 6.46 | 18.22 | | Ton/day |
| Max | 622.18 | 371.32 | 79.94 | 1124.90 | 6820.65 | 9538.20 | 7663.96 | 84.00 | 48.73 | 22.15 | 9.62 | 29.27 | 9538.20 | Ton/day |
| Min | 1.01 | 4.27 | 3.42 | 3.42 | 23.87 | 127.41 | 51.44 | 43.45 | 14.22 | 9.62 | 4.27 | 3.84 | 1.01 | Ton/day |

# WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Tha Dua , Lampang (W.21)

Lat 18 - 20 - 18 N Long 99 - 32 - 27 E

**Location : on left bank at the bridge on highway.**

**Ban** Tha Dua **Amphoe** Mueang **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 3,367 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1996-Cont'd |
| **Actual Measurement** | 1996-Cont'd |
| **Using Rating Curve Water Year** | 1999-2006 |
| **Number of observation** | 170 |
| **R-Square** | 0.9296 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.9865\ QW^{1.34900}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.27 | 27.63 | 491.87 | 57.17 | 2985.81 | 6665.24 | 1366.13 | 17.55 | 57.17 | 2.14 | 1.16 | 7.26 | | |
| 2 | 9.61 | 17.55 | 464.04 | 57.17 | 2306.17 | 4772.86 | 1149.37 | 57.17 | 60.62 | 3.25 | 2.14 | 48.36 | | |
| 3 | 8.81 | 12.99 | 455.23 | 74.94 | 2955.16 | 5853.33 | 185.06 | 232.96 | 57.17 | 2.14 | 2.14 | 39.95 | | |
| 4 | 8.03 | 4.48 | 437.73 | 74.94 | 2725.70 | 5284.37 | 270.67 | 156.08 | 57.17 | 1.16 | 7.26 | 22.44 | | |
| 5 | 8.03 | 0.07 | 370.95 | 67.68 | 1882.24 | 4480.81 | 239.14 | 196.77 | 57.17 | 1.16 | 3.83 | 20.78 | | |
| 6 | 8.03 | 0.09 | 296.61 | 106.51 | 1645.62 | 1663.53 | 208.66 | 17.55 | 20.78 | 0.04 | 0.07 | 19.14 | | |
| 7 | 20.78 | 0.09 | 142.08 | 110.81 | 283.56 | 2176.67 | 226.82 | 6.52 | 20.78 | 0.04 | 0.07 | 8.03 | | |
| 8 | 9.61 | 0.07 | 128.44 | 102.25 | 151.38 | 1735.65 | 833.85 | 51.25 | 31.97 | 0.02 | 0.75 | 0.09 | | |
| 9 | 8.81 | 0.07 | 19.14 | 102.25 | 119.54 | 491.87 | 749.30 | 74.94 | 42.70 | 0.04 | 0.07 | 0.07 | | |
| 10 | 14.47 | 0.07 | 5.10 | 110.81 | 106.51 | 4234.33 | 1264.88 | 90.00 | 51.25 | 0.04 | 0.07 | 0.05 | | |
| 11 | 12.12 | 0.07 | 5.10 | 128.44 | 93.88 | 3359.94 | 2513.67 | 45.51 | 42.70 | 0.05 | 0.07 | 0.04 | | |
| 12 | 9.61 | 0.09 | 5.10 | 151.38 | 78.64 | 2007.07 | 2262.79 | 34.58 | 42.70 | 0.05 | 0.07 | 0.04 | | |
| 13 | 9.61 | 3.83 | 4.48 | 132.95 | 57.17 | 1521.69 | 558.39 | 3.83 | 42.70 | 0.75 | 0.37 | 0.05 | | |
| 14 | 12.99 | 98.04 | 12.99 | 93.88 | 697.67 | 1281.62 | 251.63 | 8.03 | 42.70 | 0.75 | 2.66 | 0.09 | | |
| 15 | 20.78 | 128.44 | 10.43 | 98.04 | 2028.07 | 942.72 | 202.69 | 25.87 | 14.47 | 1.65 | 4.48 | 3.25 | | |
| 16 | 20.78 | 142.08 | 3.25 | 98.04 | 1486.75 | 214.67 | 156.08 | 67.68 | 0.07 | 3.25 | 5.80 | 3.25 | | |
| 17 | 22.44 | 102.25 | 2.14 | 142.08 | 558.39 | 245.37 | 93.88 | 57.17 | 1.16 | 3.83 | 5.80 | 3.25 | | |
| 18 | 22.44 | 78.64 | 1.65 | 146.71 | 232.96 | 251.63 | 78.64 | 34.58 | 2.14 | 5.80 | 7.26 | 6.52 | | |
| 19 | 17.55 | 90.00 | 12.99 | 102.25 | 343.42 | 185.06 | 74.94 | 34.58 | 2.14 | 4.48 | 6.52 | 5.80 | | |
| 20 | 25.87 | 119.54 | 82.38 | 142.08 | 357.11 | 2383.44 | 78.64 | 160.82 | 3.25 | 2.14 | 0.75 | 2.66 | | |
| 21 | 27.63 | 115.15 | 343.42 | 309.80 | 587.56 | 5764.83 | 78.64 | 165.60 | 3.25 | 2.14 | 0.07 | 0.09 | | |
| 22 | 25.87 | 180.15 | 370.95 | 119.54 | 520.11 | 14928.59 | 74.94 | 60.62 | 0.09 | 0.07 | 0.04 | 0.05 | | |
| 23 | 22.44 | 251.63 | 377.91 | 86.17 | 491.87 | 17938.77 | 74.94 | 5.10 | 0.07 | 0.07 | 0.05 | 0.04 | | |
| 24 | 20.78 | 791.28 | 190.89 | 78.64 | 2725.70 | 15679.08 | 74.94 | 34.58 | 0.07 | 0.07 | 0.07 | 0.05 | | |
| 25 | 17.55 | 2752.51 | 82.38 | 86.17 | 386.32 | 9054.93 | 48.36 | 60.62 | 0.09 | 0.05 | 0.07 | 0.05 | | |
| 26 | 17.55 | 1556.84 | 160.82 | 102.25 | 251.63 | 4857.17 | 34.58 | 14.47 | 1.16 | 0.05 | 0.09 | 0.04 | | |
| 27 | 19.14 | 1084.66 | 115.15 | 160.82 | 270.67 | 1366.13 | 31.97 | 151.38 | 2.14 | 0.04 | 0.09 | 0.04 | | |
| 28 | 51.25 | 881.33 | 82.38 | 180.15 | 1452.02 | 437.73 | 27.63 | 156.08 | 2.14 | 0.04 | 0.09 | 0.07 | | |
| 29 | 357.11 | 677.29 | 54.19 | 132.95 | 2955.16 | 2409.34 | 31.97 | 146.71 | 3.83 | 0.04 | | 3.25 | | |
| 30 | 106.51 | 539.16 | 57.17 | 102.25 | 3592.11 | 1986.12 | 60.62 | 22.44 | 2.66 | 0.04 | | 5.10 | | |
| 31 | | 510.65 | | 251.63 | 8562.10 | | 20.78 | | 2.14 | 0.07 | | 6.52 | | |
| Total | 947.47 | 10166.74 | 4786.96 | 3710.75 | 42891.00 | 124174.56 | 13324.60 | 2191.04 | 668.45 | 35.46 | 51.91 | 206.42 | 203155.36 | Tonday |
| Mean | 31.58 | 327.96 | 159.57 | 119.70 | 1383.58 | 4139.15 | 429.83 | 73.03 | 21.56 | 1.14 | 1.85 | 6.66 | | Ton/day |
| Max | 357.11 | 2752.51 | 491.87 | 309.80 | 8562.10 | 17938.77 | 2513.67 | 232.96 | 60.62 | 5.80 | 7.26 | 48.36 | 17938.77 | Ton/day |
| Min | 8.03 | 0.07 | 1.65 | 57.17 | 57.17 | 185.06 | 20.78 | 3.83 | 0.07 | 0.02 | 0.04 | 0.04 | 0.02 | Ton/day |

# WATER YEAR : 2006

## WANG RIVER BASIN

### Wang River at Ban Chiang Rai , Tak (W.23)

Lat 17 - 22 - 01 N Long 99 - 06 - 55 E

**Location : on left bank at Amphoe Sam Ngao.**

**Ban** Chiang Rai **Amphoe** Sam Ngao **Changwat** Tak

| | |
|---|---|
| **Drainge Area** | 9,930 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 128 |
| **R-Square** | 0.9418 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.8983\ QW^{1.57170}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38.92 | 413.84 | 2209.51 | 325.66 | 362.51 | 10599.18 | 9292.26 | 447.16 | 319.66 | 174.74 | 104.33 | 98.04 | | |
| 2 | 44.04 | 636.54 | 2026.30 | 229.32 | 3280.93 | 15649.65 | 5959.02 | 440.42 | 267.50 | 174.74 | 114.04 | 94.94 | | |
| 3 | 62.71 | 261.92 | 1770.28 | 196.83 | 6496.18 | 23931.94 | 6528.41 | 447.16 | 245.42 | 179.08 | 110.77 | 91.88 | | |
| 4 | 68.76 | 130.91 | 1381.81 | 170.44 | 5071.33 | 25584.71 | 9292.26 | 394.30 | 245.42 | 201.36 | 110.77 | 98.04 | | |
| 5 | 40.60 | 85.88 | 971.61 | 157.77 | 4633.85 | 13696.84 | 14695.10 | 488.37 | 245.42 | 210.53 | 114.04 | 127.47 | | |
| 6 | 35.64 | 68.76 | 835.52 | 166.18 | 3832.37 | 7776.17 | 17607.96 | 474.49 | 234.65 | 179.08 | 114.04 | 137.90 | | |
| 7 | 53.08 | 47.58 | 662.08 | 278.80 | 2811.29 | 5154.95 | 12788.39 | 453.94 | 229.32 | 196.83 | 110.77 | 127.47 | | |
| 8 | 53.08 | 45.80 | 523.71 | 538.10 | 2226.45 | 4095.38 | 10225.44 | 420.43 | 215.17 | 170.44 | 117.35 | 124.06 | | |
| 9 | 20.87 | 45.80 | 343.90 | 545.34 | 982.39 | 3975.04 | 7814.39 | 375.11 | 219.85 | 145.46 | 170.44 | 124.06 | | |
| 10 | 15.81 | 64.70 | 284.51 | 447.16 | 589.55 | 2486.14 | 7435.20 | 387.87 | 205.93 | 137.90 | 120.69 | 124.06 | | |
| 11 | 11.27 | 68.76 | 210.53 | 407.29 | 523.71 | 2771.82 | 6915.96 | 343.90 | 201.36 | 137.90 | 110.77 | 134.39 | | |
| 12 | 13.47 | 62.71 | 130.91 | 387.87 | 420.43 | 9902.44 | 7967.98 | 337.78 | 205.93 | 134.39 | 77.15 | 114.04 | | |
| 13 | 12.35 | 49.39 | 91.88 | 381.47 | 296.06 | 14109.68 | 8409.68 | 319.66 | 210.53 | 137.90 | 120.69 | 94.94 | | |
| 14 | 14.62 | 53.08 | 101.17 | 427.06 | 273.13 | 12930.56 | 5812.34 | 296.06 | 201.36 | 137.90 | 117.35 | 85.88 | | |
| 15 | 25.00 | 58.78 | 80.02 | 331.70 | 545.34 | 8286.23 | 3060.48 | 273.13 | 196.83 | 124.06 | 110.77 | 77.15 | | |
| 16 | 20.87 | 68.76 | 75.02 | 250.88 | 2398.42 | 5154.95 | 1944.95 | 261.92 | 219.85 | 149.52 | 104.33 | 75.02 | | |
| 17 | 20.87 | 234.65 | 66.72 | 234.65 | 2558.41 | 6082.56 | 1453.78 | 245.42 | 192.33 | 145.46 | 98.04 | 77.15 | | |
| 18 | 22.22 | 215.17 | 62.71 | 205.93 | 2175.77 | 3575.76 | 1107.50 | 307.78 | 161.95 | 224.57 | 117.35 | 77.15 | | |
| 19 | 32.46 | 149.52 | 60.73 | 192.33 | 1396.09 | 2596.75 | 876.60 | 296.06 | 127.47 | 157.77 | 117.35 | 88.86 | | |
| 20 | 30.91 | 114.04 | 66.72 | 240.01 | 1120.69 | 2615.99 | 776.91 | 278.80 | 130.91 | 101.17 | 117.35 | 114.04 | | |
| 21 | 29.39 | 94.94 | 153.63 | 229.32 | 2158.97 | 6806.48 | 705.45 | 250.88 | 124.06 | 91.88 | 120.69 | 120.69 | | |
| 22 | 27.90 | 91.88 | 1453.78 | 256.38 | 1482.94 | 10132.77 | 645.01 | 313.69 | 98.04 | 137.90 | 120.69 | 130.91 | | |
| 23 | 26.43 | 362.51 | 2539.32 | 612.13 | 1133.93 | 19273.01 | 589.55 | 375.11 | 137.90 | 130.91 | 114.04 | 127.47 | | |
| 24 | 51.22 | 2192.62 | 2713.00 | 612.13 | 897.40 | 33797.75 | 538.10 | 337.78 | 137.90 | 120.69 | 104.33 | 114.04 | | |
| 25 | 45.80 | 11532.64 | 2009.94 | 301.90 | 786.02 | 37451.03 | 530.89 | 267.50 | 141.44 | 110.77 | 101.17 | 107.54 | | |
| 26 | 34.03 | 16671.20 | 1723.69 | 196.83 | 1367.57 | 33472.43 | 516.57 | 240.01 | 127.47 | 114.04 | 98.04 | 101.17 | | |
| 27 | 32.46 | 19534.00 | 1004.07 | 179.08 | 574.68 | 22392.59 | 474.49 | 229.32 | 114.04 | 110.77 | 88.86 | 91.88 | | |
| 28 | 32.46 | 10646.24 | 1214.57 | 337.78 | 467.60 | 14192.78 | 440.42 | 250.88 | 130.91 | 127.47 | 94.94 | 88.86 | | |
| 29 | 34.03 | 3598.82 | 705.45 | 523.71 | 835.52 | 9680.24 | 413.84 | 273.13 | 137.90 | 117.35 | | 82.93 | | |
| 30 | 104.33 | 4047.09 | 502.40 | 538.10 | 2596.75 | 9856.60 | 467.60 | 319.66 | 124.06 | 110.77 | | 77.15 | | |
| 31 | | 2752.16 | | 433.72 | 9335.09 | | 453.94 | | 161.95 | 104.33 | | 77.15 | | |
| Total | 1055.60 | 74400.69 | 25975.49 | 10335.87 | 63631.37 | 378032.42 | 145740.47 | 10147.72 | 5712.53 | 4497.68 | 3121.15 | 3206.33 | 725857.32 | Tonday |
| Mean | 35.19 | 2400.02 | 865.85 | 333.42 | 2052.62 | 12601.08 | 4701.31 | 338.26 | 184.28 | 145.09 | 111.47 | 103.43 | | Ton/day |
| Max | 104.33 | 19534.00 | 2713.00 | 612.13 | 9335.09 | 37451.03 | 17607.96 | 488.37 | 319.66 | 224.57 | 170.44 | 137.90 | 37451.03 | Ton/day |
| Min | 11.27 | 45.80 | 60.73 | 157.77 | 273.13 | 2486.14 | 413.84 | 229.32 | 98.04 | 91.88 | 77.15 | 75.02 | 11.27 | Ton/day |

## WATER YEAR : 2006

**Yom RIVER BASIN**

**Yom River at Ban Nam Khong , Phrae (Y.1C)**

Lat 18 - 07 - 57 N Long 100 - 07 - 42 E

**Location : on right bank about 5 meters downstream from Phathana Phak Nua 8 Bridge.**

**Ban** Nam Khong **Amphoe** Mueang **Changwat** Phrae

| | |
|---|---|
| **Drainge Area** | 7,749 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 1997-2006 |
| **Number of observation** | 201 |
| **R-Square** | 0.9342 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.2328\ QW^{1.46710}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25.08 | 2516.56 | 1596.05 | 326.44 | 10538.05 | 70993.61 | 3478.51 | 482.06 | 153.78 | 36.37 | 30.18 | 7.10 | | |
| 2 | 24.37 | 367.26 | 869.49 | 444.46 | 7998.92 | 59602.17 | 2743.74 | 421.68 | 126.87 | 38.79 | 26.51 | 7.10 | | |
| 3 | 26.51 | 377.28 | 951.63 | 1092.09 | 3414.06 | 26114.16 | 2139.51 | 409.57 | 147.52 | 37.17 | 25.08 | 19.63 | | |
| 4 | 25.08 | 240.81 | 683.92 | 806.78 | 2090.14 | 10538.05 | 2461.51 | 469.42 | 132.84 | 37.17 | 25.08 | 18.98 | | |
| 5 | 10.11 | 598.55 | 505.82 | 789.74 | 3841.51 | 5654.99 | 2886.86 | 433.90 | 107.23 | 34.79 | 22.30 | 13.45 | | |
| 6 | 56.08 | 77.30 | 409.57 | 1846.14 | 2516.56 | 4161.64 | 3982.79 | 444.46 | 88.68 | 37.17 | 22.30 | 18.33 | | |
| 7 | 11.19 | 30.18 | 287.19 | 1302.76 | 1532.74 | 3414.06 | 5615.32 | 336.10 | 100.56 | 37.17 | 22.30 | 18.33 | | |
| 8 | 11.19 | 22.30 | 249.58 | 1182.65 | 1687.12 | 7528.88 | 8428.27 | 355.68 | 100.56 | 30.18 | 22.98 | 18.98 | | |
| 9 | 11.19 | 18.33 | 206.74 | 1263.13 | 3193.19 | 4460.32 | 6182.79 | 518.76 | 114.04 | 32.46 | 22.98 | 18.33 | | |
| 10 | 11.19 | 37.17 | 169.14 | 669.78 | 4310.16 | 5367.45 | 11109.37 | 469.42 | 107.23 | 31.70 | 22.30 | 12.87 | | |
| 11 | 11.19 | 37.17 | 191.68 | 544.95 | 5367.45 | 9062.45 | 19723.60 | 482.06 | 68.36 | 34.79 | 22.30 | 18.33 | | |
| 12 | 14.62 | 32.46 | 100.56 | 421.68 | 3097.64 | 13367.81 | 23226.51 | 494.81 | 77.30 | 32.46 | 22.98 | 18.33 | | |
| 13 | 14.62 | 32.46 | 140.12 | 345.84 | 2403.83 | 14612.93 | 10224.82 | 433.90 | 83.45 | 32.46 | 24.37 | 18.33 | | |
| 14 | 24.37 | 37.17 | 119.82 | 315.29 | 3740.11 | 9546.42 | 5959.37 | 641.78 | 88.68 | 32.46 | 22.30 | 18.33 | | |
| 15 | 18.33 | 206.74 | 153.78 | 518.76 | 5367.45 | 4962.35 | 3705.35 | 421.68 | 88.68 | 32.46 | 20.29 | 17.07 | | |
| 16 | 14.62 | 1893.61 | 88.68 | 296.47 | 3414.06 | 3876.68 | 2715.40 | 409.57 | 100.56 | 32.46 | 17.70 | 16.44 | | |
| 17 | 24.37 | 1127.57 | 59.78 | 215.10 | 4054.03 | 5123.17 | 2015.36 | 355.68 | 68.36 | 32.46 | 14.03 | 16.44 | | |
| 18 | 20.29 | 669.78 | 59.78 | 305.83 | 4089.80 | 4346.63 | 1777.04 | 444.46 | 77.30 | 32.46 | 14.03 | 15.22 | | |
| 19 | 27.96 | 421.68 | 73.28 | 469.42 | 4727.95 | 3806.45 | 1532.74 | 444.46 | 22.98 | 32.46 | 16.44 | 12.87 | | |
| 20 | 56.08 | 683.92 | 169.14 | 456.89 | 21019.56 | 11916.11 | 1509.21 | 206.74 | 30.94 | 32.46 | 11.19 | 11.19 | | |
| 21 | 68.36 | 355.68 | 336.10 | 669.78 | 44933.38 | 36517.82 | 1362.92 | 315.29 | 37.17 | 32.46 | 8.56 | 7.58 | | |
| 22 | 88.68 | 409.57 | 728.97 | 745.58 | 41219.35 | 56063.83 | 1182.65 | 387.38 | 37.17 | 32.46 | 13.45 | 11.19 | | |
| 23 | 68.36 | 9791.40 | 1532.74 | 669.78 | 25907.57 | 63852.11 | 1019.94 | 199.85 | 37.17 | 32.46 | 11.74 | 11.19 | | |
| 24 | 48.05 | 21674.26 | 1918.89 | 482.06 | 11710.24 | 38629.74 | 774.93 | 240.81 | 34.79 | 32.46 | 11.19 | 7.58 | | |
| 25 | 83.45 | 22829.06 | 1019.94 | 377.28 | 6729.54 | 17212.02 | 806.78 | 249.58 | 34.79 | 32.46 | 12.30 | 7.58 | | |
| 26 | 77.30 | 16030.95 | 789.74 | 2322.61 | 10790.78 | 9607.48 | 714.54 | 169.14 | 33.23 | 32.46 | 15.83 | 10.11 | | |
| 27 | 68.36 | 5870.74 | 585.00 | 3705.35 | 28168.73 | 6822.09 | 774.93 | 296.47 | 32.46 | 32.46 | 7.58 | 7.10 | | |
| 28 | 126.87 | 2165.79 | 505.82 | 2886.86 | 30938.48 | 5367.45 | 745.58 | 147.52 | 33.23 | 32.46 | 4.86 | 9.59 | | |
| 29 | 215.10 | 1383.16 | 387.38 | 2113.33 | 19996.12 | 4882.55 | 614.16 | 126.87 | 41.25 | 30.94 | | 9.07 | | |
| 30 | 3841.51 | 1641.39 | 355.68 | 1302.76 | 17121.53 | 4310.16 | 585.00 | 183.62 | 34.79 | 30.18 | | 9.07 | | |
| 31 | | 2403.83 | | 6729.54 | 39526.32 | | 558.20 | | 36.37 | 30.18 | | 9.07 | | |
| Total | 5124.48 | 93984.13 | 15246.01 | 35619.13 | 375446.37 | 521721.58 | 130557.70 | 10992.72 | 2278.34 | 1030.88 | 513.15 | 414.78 | 1192929.27 | Tonday |
| Mean | 170.82 | 3031.75 | 508.20 | 1149.00 | 12111.17 | 17390.72 | 4211.54 | 366.42 | 73.49 | 33.25 | 18.33 | 13.38 | | Ton/day |
| Max | 3841.51 | 22829.06 | 1918.89 | 6729.54 | 44933.38 | 70993.61 | 23226.51 | 641.78 | 153.78 | 38.79 | 30.18 | 19.63 | 70993.61 | Ton/day |
| Min | 10.11 | 18.33 | 59.78 | 215.10 | 1532.74 | 3414.06 | 558.20 | 126.87 | 22.98 | 30.18 | 4.86 | 7.10 | 4.86 | Ton/day |

## WATER YEAR : 2006

**Yom RIVER BASIN**

**Yom River at Ban Kaeng Luang , Sukhothai (Y.6)**

Lat 17 - 26 - 05 N Long 99 - 47 - 30 E

**Location : on left bank about 150 meters upstream from Kaeng Luang.**

**Ban** Kaeng Luang **Amphoe** Si Satchanalai **Changwat** Sukhothai

| | |
|---|---|
| **Drainge Area** | 12,769 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1963 - 1987,1997-Cont'd |
| **Actual Measurement** | 1963 - 1987,1997-Cont'd |
| **Using Rating Curve Water Year** | 1963-2006 |
| **Number of observation** | 573 |
| **R-Square** | 0.9178 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.1900\ QW^{1.50530}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.32 | 108.14 | 5721.38 | 798.77 | 3103.45 | 91904.07 | 7891.25 | 847.02 | 238.78 | 96.17 | 48.56 | 15.91 | | |
| 2 | 9.59 | 429.54 | 7239.28 | 751.47 | 10349.46 | 98441.64 | 6048.27 | 775.00 | 216.83 | 96.17 | 42.47 | 14.23 | | |
| 3 | 8.53 | 1128.79 | 5453.67 | 1062.39 | 11120.82 | 96046.91 | 5242.62 | 728.19 | 227.72 | 88.45 | 42.47 | 14.23 | | |
| 4 | 9.05 | 509.44 | 3566.43 | 1446.22 | 7356.41 | 68378.20 | 4829.00 | 682.37 | 213.24 | 86.55 | 45.48 | 12.62 | | |
| 5 | 9.05 | 265.26 | 2330.02 | 1388.31 | 4778.11 | 14798.00 | 7297.77 | 682.37 | 202.60 | 86.55 | 42.47 | 9.59 | | |
| 6 | 8.53 | 209.68 | 1604.50 | 2273.23 | 3028.41 | 7415.22 | 11645.31 | 682.37 | 231.38 | 90.36 | 39.54 | 9.05 | | |
| 7 | 6.06 | 224.07 | 1237.80 | 3805.90 | 3065.85 | 5775.43 | 14375.75 | 637.57 | 181.87 | 80.95 | 38.09 | 15.91 | | |
| 8 | 6.06 | 213.24 | 946.33 | 4133.21 | 2078.19 | 5775.43 | 24896.93 | 622.86 | 161.91 | 79.11 | 38.09 | 16.78 | | |
| 9 | 6.06 | 129.12 | 728.19 | 2807.02 | 1485.27 | 5138.15 | 26235.02 | 586.60 | 149.04 | 79.11 | 36.67 | 14.23 | | |
| 10 | 43.97 | 86.55 | 630.20 | 2023.55 | 1680.57 | 7415.22 | 16307.77 | 551.07 | 152.22 | 77.29 | 33.88 | 11.84 | | |
| 11 | 38.09 | 94.22 | 579.43 | 1629.72 | 2245.00 | 8072.31 | 16417.48 | 551.07 | 152.22 | 66.64 | 32.51 | 13.42 | | |
| 12 | 28.52 | 104.10 | 516.30 | 1128.79 | 3179.11 | 14586.36 | 27478.82 | 530.12 | 161.91 | 66.64 | 32.51 | 13.42 | | |
| 13 | 22.27 | 82.80 | 763.21 | 847.02 | 3103.45 | 18777.63 | 28265.97 | 509.44 | 152.22 | 63.21 | 39.54 | 13.42 | | |
| 14 | 17.66 | 86.55 | 523.20 | 682.37 | 2953.99 | 17080.92 | 15654.70 | 495.81 | 131.28 | 64.92 | 38.09 | 14.23 | | |
| 15 | 16.78 | 84.67 | 372.69 | 601.01 | 3527.03 | 11207.67 | 8500.11 | 489.04 | 129.12 | 63.21 | 36.67 | 14.23 | | |
| 16 | 14.23 | 155.43 | 313.95 | 615.55 | 3409.71 | 7951.45 | 5993.36 | 495.81 | 131.28 | 63.21 | 36.67 | 12.62 | | |
| 17 | 12.62 | 455.67 | 265.26 | 751.47 | 4091.80 | 6269.56 | 4526.36 | 475.60 | 122.69 | 61.52 | 39.54 | 11.07 | | |
| 18 | 27.23 | 728.19 | 253.80 | 593.79 | 3725.49 | 5613.78 | 3448.67 | 429.54 | 118.47 | 58.19 | 39.54 | 15.91 | | |
| 19 | 23.23 | 705.16 | 216.83 | 502.61 | 4230.37 | 7122.78 | 2843.53 | 403.94 | 124.82 | 58.19 | 38.09 | 18.55 | | |
| 20 | 24.21 | 523.20 | 313.95 | 630.20 | 6663.18 | 7180.95 | 2445.01 | 397.63 | 114.30 | 56.54 | 36.67 | 14.23 | | |
| 21 | 24.21 | 429.54 | 1388.31 | 984.52 | 9060.93 | 15654.70 | 2161.06 | 403.94 | 106.11 | 63.21 | 33.88 | 15.91 | | |
| 22 | 28.52 | 1485.27 | 3566.43 | 3487.77 | 20883.66 | 36707.94 | 1969.40 | 391.34 | 102.09 | 61.52 | 31.16 | 15.07 | | |
| 23 | 10.32 | 30347.14 | 4426.95 | 1862.60 | 30347.14 | 71864.98 | 1731.93 | 318.62 | 100.10 | 58.19 | 27.23 | 17.66 | | |
| 24 | 53.30 | 79569.88 | 3448.67 | 1102.07 | 22572.87 | 87533.88 | 1529.62 | 356.78 | 100.10 | 58.19 | 25.20 | 17.66 | | |
| 25 | 68.38 | 93967.83 | 2880.19 | 798.77 | 10264.91 | 68644.35 | 1331.19 | 332.76 | 102.09 | 58.19 | 24.21 | 17.66 | | |
| 26 | 79.11 | 72406.55 | 2387.29 | 648.67 | 6720.07 | 23930.72 | 1201.09 | 300.09 | 104.10 | 58.19 | 19.46 | 14.23 | | |
| 27 | 80.95 | 25467.52 | 2023.55 | 1062.39 | 12357.13 | 12809.16 | 1146.73 | 295.51 | 100.10 | 56.54 | 18.55 | 13.42 | | |
| 28 | 142.74 | 10012.65 | 1783.81 | 2503.20 | 16637.65 | 10434.25 | 1036.21 | 277.45 | 96.17 | 53.30 | 20.38 | 15.91 | | |
| 29 | 168.48 | 5086.18 | 1274.88 | 3065.85 | 25175.34 | 9423.20 | 1036.21 | 265.26 | 98.13 | 53.30 | | 17.66 | | |
| 30 | 114.30 | 3886.87 | 1036.21 | 2330.02 | 18092.48 | 10264.91 | 971.73 | 304.68 | 92.28 | 50.12 | | 20.38 | | |
| 31 | | 5242.62 | | 2273.23 | 30023.73 | | 883.83 | | 92.28 | 53.30 | | 21.32 | | |
| Total | 1112.37 | 334225.87 | 57792.71 | 48591.69 | 287311.58 | 852219.77 | 255342.70 | 14819.85 | 4407.45 | 2107.03 | 977.62 | 462.37 | 1859371.01 | Tonday |
| Mean | 37.08 | 10781.48 | 1926.42 | 1567.47 | 9268.12 | 28407.33 | 8236.86 | 494.00 | 142.18 | 67.97 | 34.91 | 14.92 | | Ton/day |
| Max | 168.48 | 93967.83 | 7239.28 | 4133.21 | 30347.14 | 98441.64 | 28265.97 | 847.02 | 238.78 | 96.17 | 48.56 | 21.32 | 98441.64 | Ton/day |
| Min | 6.06 | 82.80 | 216.83 | 502.61 | 1485.27 | 5138.15 | 883.83 | 265.26 | 92.28 | 50.12 | 18.55 | 9.05 | 6.06 | Ton/day |

## WATER YEAR : 2006

**Yom RIVER BASIN**

**Yom River at Ban Don Rabiang , Sukhothai (Y.14)**

Lat 17 - 35 - 42 N Long 99 - 43 - 06 E

**Location : on left bank about 50 meters from Si Satchanalai - Den Chai Highway No.101 at guidepost 44 th.**

**Ban** Don Rabiang **Amphoe** Si Satchanalai **Changwat** Sukhothai

| | |
|---|---|
| **Drainge Area** | 12,100 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1964-Cont'd |
| **Actual Measurement** | 1964-Cont'd |
| **Using Rating Curve Water Year** | 1987-2005 |
| **Number of observation** | 431 |
| **R-Square** | 0.8990 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.9230\ QW^{1.56050}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.35 | 341.10 | 7217.97 | 680.39 | 2131.10 | 100953.45 | 7512.04 | 746.31 | 167.30 | 69.86 | 46.93 | 24.85 | | |
| 2 | 4.10 | 825.94 | 7266.69 | 929.05 | 12817.26 | 100349.79 | 6084.63 | 724.09 | 149.03 | 67.15 | 44.59 | 24.85 | | |
| 3 | 3.86 | 1281.00 | 6454.67 | 1263.61 | 12202.48 | 100349.79 | 5281.18 | 702.12 | 145.47 | 67.15 | 44.59 | 27.24 | | |
| 4 | 3.62 | 956.81 | 4726.74 | 1459.54 | 7217.97 | 61001.95 | 4643.41 | 680.39 | 145.47 | 64.49 | 44.59 | 27.24 | | |
| 5 | 3.62 | 458.17 | 4050.32 | 1514.72 | 4234.85 | 11899.18 | 7821.43 | 658.91 | 141.93 | 64.49 | 43.15 | 27.24 | | |
| 6 | 3.39 | 377.91 | 3185.10 | 3155.60 | 4685.01 | 7120.89 | 12355.15 | 627.15 | 141.93 | 64.49 | 43.15 | 27.24 | | |
| 7 | 3.39 | 312.64 | 2296.11 | 3764.11 | 3334.09 | 6454.67 | 15052.96 | 606.30 | 134.97 | 64.49 | 43.15 | 27.24 | | |
| 8 | 4.60 | 245.49 | 2177.79 | 4437.44 | 2107.89 | 5857.36 | 27185.97 | 575.49 | 124.75 | 61.86 | 43.15 | 27.24 | | |
| 9 | 6.23 | 190.21 | 1880.86 | 5237.75 | 1781.76 | 5993.35 | 24900.45 | 555.28 | 114.83 | 61.86 | 41.73 | 27.24 | | |
| 10 | 16.72 | 121.41 | 1477.85 | 4685.01 | 1781.76 | 7710.42 | 16812.88 | 525.45 | 114.83 | 59.27 | 41.73 | 27.24 | | |
| 11 | 17.54 | 54.21 | 467.58 | 3126.19 | 2423.96 | 7821.43 | 19355.98 | 505.89 | 111.59 | 59.27 | 41.73 | 27.24 | | |
| 12 | 15.12 | 36.20 | 439.57 | 1194.91 | 3546.76 | 19445.95 | 28798.67 | 486.60 | 105.21 | 56.72 | 41.73 | 27.24 | | |
| 13 | 12.09 | 28.46 | 595.97 | 984.87 | 2951.85 | 21090.85 | 29199.60 | 467.58 | 98.96 | 56.72 | 40.32 | 27.24 | | |
| 14 | 6.81 | 40.32 | 439.57 | 627.15 | 3485.52 | 18112.22 | 13442.82 | 458.17 | 95.89 | 54.21 | 40.32 | 26.04 | | |
| 15 | 5.13 | 61.86 | 258.45 | 505.89 | 3670.39 | 8845.85 | 9553.62 | 458.17 | 92.85 | 51.74 | 38.93 | 26.04 | | |
| 16 | 4.60 | 178.62 | 190.21 | 408.32 | 3732.78 | 7512.04 | 5544.44 | 458.17 | 89.85 | 49.32 | 38.93 | 26.04 | | |
| 17 | 5.13 | 970.80 | 156.24 | 393.01 | 4437.44 | 6038.92 | 4234.85 | 393.01 | 89.85 | 46.93 | 37.56 | 26.04 | | |
| 18 | 6.23 | 956.81 | 128.12 | 408.32 | 3922.19 | 5633.22 | 3274.20 | 341.10 | 86.89 | 44.59 | 37.56 | 26.04 | | |
| 19 | 8.03 | 627.15 | 128.12 | 408.32 | 4852.72 | 6084.63 | 2809.33 | 333.90 | 86.89 | 44.59 | 40.32 | 26.04 | | |
| 20 | 9.32 | 431.68 | 220.30 | 658.91 | 8327.98 | 6737.31 | 2559.24 | 326.76 | 83.96 | 43.15 | 41.73 | 26.04 | | |
| 21 | 9.99 | 1646.29 | 4601.95 | 1194.91 | 10453.15 | 19898.04 | 2201.28 | 305.67 | 78.21 | 41.73 | 43.15 | 26.04 | | |
| 22 | 12.09 | 5194.45 | 4315.48 | 3795.54 | 25238.67 | 41425.60 | 2061.74 | 278.34 | 75.39 | 40.32 | 44.59 | 26.04 | | |
| 23 | 16.72 | 27885.59 | 4396.65 | 3038.57 | 33457.50 | 76116.37 | 1970.56 | 271.65 | 72.60 | 38.93 | 44.59 | 26.04 | | |
| 24 | 24.85 | 74609.73 | 3732.78 | 1387.12 | 23261.55 | 86169.90 | 1821.17 | 251.94 | 72.60 | 37.56 | 43.15 | 26.04 | | |
| 25 | 30.97 | 83028.92 | 2450.80 | 1211.95 | 9733.60 | 61857.50 | 1369.22 | 245.49 | 75.39 | 37.56 | 41.73 | 24.85 | | |
| 26 | 38.93 | 63581.39 | 2224.85 | 1041.84 | 6832.49 | 21183.63 | 1281.00 | 220.30 | 78.21 | 36.20 | 43.15 | 24.85 | | |
| 27 | 61.86 | 42442.75 | 1840.99 | 585.70 | 15798.65 | 14401.06 | 1246.30 | 214.15 | 78.21 | 34.87 | 33.55 | 24.85 | | |
| 28 | 54.21 | 16557.20 | 1627.26 | 1351.41 | 20171.09 | 11673.50 | 1161.07 | 208.07 | 75.39 | 33.55 | 27.24 | 24.85 | | |
| 29 | 44.59 | 8729.80 | 1423.16 | 3155.60 | 26838.56 | 11305.08 | 1056.27 | 202.05 | 75.39 | 33.55 | | 27.24 | | |
| 30 | 40.32 | 7611.00 | 1246.30 | 2531.97 | 19355.98 | 11161.43 | 956.81 | 196.10 | 72.60 | 33.55 | | 28.46 | | |
| 31 | | 7120.89 | | 2894.54 | 39086.95 | | 825.94 | | 69.86 | 33.55 | | 29.71 | | |
| Total | 478.41 | 346904.80 | 71618.45 | 58032.26 | 323873.95 | 870205.38 | 262374.21 | 13024.60 | 3146.30 | 1553.72 | 1157.04 | 820.59 | 1953189.71 | Tonday |
| Mean | 15.95 | 11190.48 | 2387.28 | 1872.01 | 10447.55 | 29006.85 | 8463.68 | 434.15 | 101.49 | 50.12 | 41.32 | 26.47 | | Ton/day |
| Max | 61.86 | 83028.92 | 7266.69 | 5237.75 | 39086.95 | 100953.45 | 29199.60 | 746.31 | 167.30 | 69.86 | 46.93 | 29.71 | 100953.45 | Ton/day |
| Min | 3.39 | 28.46 | 128.12 | 393.01 | 1781.76 | 5633.22 | 825.94 | 196.10 | 69.86 | 33.55 | 27.24 | 24.85 | 3.39 | Ton/day |

## WATER YEAR : 2006

**Yom RIVER BASIN**

**Huai Mae Mok at Ban Mae Phu , Lampang (Y.26)**

Lat 17 - 19 - 37 N Long 99 - 27 - 42 E

**Location : on left bank downstream from Ban Mae Phu Tambon Wiang Mok.**

**Ban** Mae Phu **Amphoe** Thoen **Changwat** Lampang

| | |
|---|---|
| **Drainge Area** | 784 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 1997-2006 |
| **Number of observation** | 194 |
| **R-Square** | 0.7402 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.3424\ QW^{1.11990}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.83 | 1.45 | 182.40 | 60.37 | 35.75 | 45.00 | 241.22 | 4.81 | 1.95 | 28.80 | 7.12 | 32.26 | | |
| 2 | 6.83 | 1.32 | 111.59 | 42.13 | 35.75 | 35.05 | 179.47 | 4.52 | 1.95 | 28.80 | 8.02 | 31.56 | | |
| 3 | 6.83 | 1.20 | 80.37 | 28.12 | 35.05 | 28.80 | 312.47 | 4.38 | 1.82 | 28.80 | 8.62 | 7.12 | | |
| 4 | 6.83 | 1.20 | 64.10 | 19.22 | 35.75 | 26.75 | 594.97 | 4.38 | 1.70 | 28.80 | 8.62 | 7.42 | | |
| 5 | 6.83 | 1.32 | 45.72 | 14.36 | 37.86 | 24.72 | 665.88 | 4.24 | 1.70 | 28.80 | 8.62 | 7.42 | | |
| 6 | 6.83 | 1.32 | 30.18 | 12.00 | 37.16 | 23.37 | 762.42 | 4.10 | 1.57 | 28.80 | 8.62 | 7.72 | | |
| 7 | 10.14 | 1.32 | 19.22 | 12.47 | 34.35 | 23.37 | 621.61 | 4.10 | 1.45 | 28.80 | 8.92 | 7.42 | | |
| 8 | 10.14 | 1.45 | 12.47 | 10.45 | 35.05 | 23.37 | 901.12 | 3.97 | 1.45 | 29.49 | 8.92 | 7.72 | | |
| 9 | 10.14 | 2.08 | 9.53 | 9.83 | 35.05 | 23.37 | 631.63 | 3.97 | 1.32 | 29.49 | 8.92 | 7.72 | | |
| 10 | 6.83 | 4.10 | 7.42 | 9.83 | 35.05 | 28.80 | 374.21 | 3.83 | 1.45 | 30.18 | 15.32 | 7.72 | | |
| 11 | 6.83 | 4.52 | 6.24 | 9.53 | 36.45 | 35.75 | 256.79 | 3.83 | 1.57 | 30.87 | 20.71 | 7.72 | | |
| 12 | 5.66 | 2.74 | 4.95 | 9.53 | 35.05 | 374.21 | 214.25 | 4.95 | 1.57 | 29.49 | 20.71 | 7.72 | | |
| 13 | 3.41 | 2.21 | 4.52 | 19.71 | 35.05 | 467.94 | 154.01 | 4.52 | 1.82 | 30.18 | 20.71 | 9.22 | | |
| 14 | 3.41 | 1.95 | 4.10 | 19.71 | 34.35 | 382.35 | 115.56 | 4.10 | 1.82 | 29.49 | 20.71 | 11.53 | | |
| 15 | 3.41 | 2.87 | 3.69 | 20.71 | 35.05 | 343.64 | 90.98 | 3.83 | 2.47 | 29.49 | 20.71 | 11.53 | | |
| 16 | 3.41 | 4.81 | 3.69 | 20.21 | 35.05 | 292.17 | 66.34 | 3.69 | 4.38 | 29.49 | 20.71 | 11.06 | | |
| 17 | 2.87 | 2.61 | 3.69 | 20.21 | 37.16 | 245.11 | 37.86 | 3.41 | 14.84 | 28.80 | 20.71 | 10.75 | | |
| 18 | 1.08 | 2.61 | 3.69 | 19.71 | 32.26 | 197.31 | 35.05 | 3.41 | 23.37 | 22.04 | 34.35 | 10.75 | | |
| 19 | 1.08 | 2.47 | 10.14 | 21.37 | 31.56 | 302.08 | 30.18 | 3.14 | 32.26 | 7.12 | 33.65 | 10.75 | | |
| 20 | 1.70 | 2.34 | 64.10 | 37.86 | 32.26 | 314.69 | 26.07 | 3.01 | 29.49 | 6.83 | 33.65 | 10.75 | | |
| 21 | 1.70 | 14.36 | 24.72 | 44.28 | 32.95 | 296.13 | 21.37 | 3.01 | 29.49 | 6.54 | 32.95 | 10.75 | | |
| 22 | 0.84 | 519.34 | 29.49 | 37.16 | 27.44 | 219.36 | 18.24 | 2.87 | 30.87 | 6.83 | 32.95 | 10.75 | | |
| 23 | 0.84 | 95.85 | 24.72 | 35.75 | 19.22 | 598.30 | 15.32 | 2.61 | 30.18 | 7.12 | 32.95 | 10.45 | | |
| 24 | 0.84 | 22.70 | 46.44 | 35.75 | 18.73 | 548.66 | 13.41 | 2.34 | 30.18 | 7.12 | 32.95 | 10.45 | | |
| 25 | 0.96 | 641.67 | 56.67 | 35.75 | 19.22 | 272.45 | 11.53 | 2.34 | 28.80 | 7.12 | 32.95 | 10.45 | | |
| 26 | 1.08 | 445.34 | 395.96 | 34.35 | 19.71 | 412.35 | 10.14 | 2.08 | 28.12 | 7.12 | 32.95 | 9.83 | | |
| 27 | 1.08 | 235.42 | 266.57 | 34.35 | 22.04 | 456.40 | 8.92 | 2.21 | 28.12 | 7.12 | 32.95 | 9.53 | | |
| 28 | 24.72 | 166.38 | 191.20 | 34.35 | 22.04 | 420.57 | 8.32 | 2.21 | 28.12 | 7.12 | 32.26 | 9.53 | | |
| 29 | 8.62 | 136.87 | 129.59 | 34.35 | 20.71 | 254.84 | 7.72 | 2.34 | 28.12 | 7.12 | | 10.14 | | |
| 30 | 1.95 | 207.45 | 86.14 | 34.35 | 28.80 | 412.35 | 6.83 | 1.95 | 28.12 | 7.12 | | 12.00 | | |
| 31 | | 298.11 | | 36.45 | 72.38 | | 5.66 | | 28.12 | 7.12 | | 12.00 | | |
| Total | 153.72 | 2829.38 | 1923.31 | 814.22 | 1004.30 | 7129.26 | 6439.55 | 104.15 | 448.19 | 612.01 | 601.23 | 341.74 | 22401.06 | Tonday |
| Mean | 5.12 | 91.27 | 64.11 | 26.27 | 32.40 | 237.64 | 207.73 | 3.47 | 14.46 | 19.74 | 21.47 | 11.02 | | Ton/day |
| Max | 24.72 | 641.67 | 395.96 | 60.37 | 72.38 | 598.30 | 901.12 | 4.95 | 32.26 | 30.87 | 34.35 | 32.26 | 901.12 | Ton/day |
| Min | 0.84 | 1.20 | 3.69 | 9.53 | 18.73 | 23.37 | 5.66 | 1.95 | 1.32 | 6.54 | 7.12 | 7.12 | 0.84 | Ton/day |

# WATER YEAR : 2006

## NAN RIVER BASIN

### Nan River at Ban Bun Nak , Nan (N.13A)

Lat 18 - 33 - 12 N Long 100 - 46 - 03 E

**Location : on right bank about 2 kilometers upstream from Station N.13**

**Ban** Bun Nak **Amphoe** Wiang Sa **Changwat** Nan

| | |
|---|---|
| **Drainge Area** | 8,706 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1994-Cont'd |
| **Actual Measurement** | 1994-Cont'd |
| **Using Rating Curve Water Year** | 1994-2006 |
| **Number of observation** | 303 |
| **R-Square** | 0.8794 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.4688\ QW^{1.56920}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 263.21 | 1441.70 | 1540.42 | 419.14 | 9605.74 | 69504.35 | 3786.44 | 1377.21 | 436.58 | 231.07 | 132.60 | 76.00 | | |
| 2 | 190.63 | 677.41 | 1540.42 | 634.66 | 11634.97 | 47730.21 | 3171.48 | 1345.37 | 436.58 | 231.07 | 125.26 | 76.00 | | |
| 3 | 140.08 | 368.40 | 1409.32 | 613.66 | 11470.70 | 28780.51 | 2975.40 | 1282.50 | 436.58 | 231.07 | 125.26 | 76.00 | | |
| 4 | 104.18 | 220.70 | 1220.73 | 634.66 | 18902.34 | 20548.42 | 2879.07 | 1220.73 | 419.14 | 231.07 | 125.26 | 70.94 | | |
| 5 | 91.92 | 190.63 | 834.85 | 811.63 | 17759.30 | 15769.16 | 3321.50 | 1160.07 | 401.96 | 220.70 | 125.26 | 70.94 | | |
| 6 | 81.18 | 140.08 | 552.22 | 1474.34 | 17452.06 | 14079.31 | 6552.06 | 1130.16 | 385.05 | 220.70 | 125.26 | 70.94 | | |
| 7 | 70.94 | 111.05 | 436.58 | 2879.07 | 13715.67 | 22597.52 | 6487.66 | 1101.77 | 368.40 | 210.50 | 125.26 | 66.00 | | |
| 8 | 70.94 | 97.47 | 368.40 | 4217.95 | 10364.17 | 13178.24 | 7141.96 | 1073.64 | 368.40 | 210.50 | 118.08 | 66.00 | | |
| 9 | 66.00 | 111.05 | 289.24 | 2927.09 | 32750.65 | 9978.93 | 11390.32 | 1045.77 | 352.01 | 210.50 | 118.08 | 66.00 | | |
| 10 | 61.20 | 132.60 | 263.21 | 2201.30 | 28652.20 | 10833.41 | 13178.24 | 990.85 | 352.01 | 210.50 | 118.08 | 66.00 | | |
| 11 | 56.53 | 125.26 | 241.61 | 2080.90 | 15963.16 | 13090.68 | 14723.93 | 937.00 | 352.01 | 200.47 | 118.08 | 66.00 | | |
| 12 | 70.94 | 147.72 | 231.07 | 2462.51 | 9978.93 | 14723.93 | 11070.84 | 884.25 | 352.01 | 190.63 | 118.08 | 61.20 | | |
| 13 | 61.20 | 147.72 | 220.70 | 1710.17 | 10912.35 | 10597.85 | 7477.59 | 834.85 | 335.90 | 190.63 | 118.08 | 56.53 | | |
| 14 | 52.00 | 140.08 | 200.47 | 2287.18 | 16060.49 | 7545.38 | 6106.13 | 811.63 | 320.07 | 180.96 | 118.08 | 56.53 | | |
| 15 | 52.00 | 1190.26 | 210.50 | 1744.89 | 14816.87 | 6232.37 | 4838.38 | 765.92 | 304.52 | 180.96 | 118.08 | 61.20 | | |
| 16 | 118.08 | 990.85 | 190.63 | 1220.73 | 10833.41 | 5249.04 | 4439.98 | 765.92 | 289.24 | 171.49 | 111.05 | 61.20 | | |
| 17 | 304.52 | 721.17 | 220.70 | 1313.79 | 10597.85 | 5549.74 | 4054.16 | 743.42 | 289.24 | 171.49 | 111.05 | 56.53 | | |
| 18 | 220.70 | 455.16 | 320.07 | 1966.02 | 13178.24 | 5489.12 | 3629.01 | 721.17 | 274.26 | 171.49 | 104.18 | 56.53 | | |
| 19 | 140.08 | 368.40 | 320.07 | 6169.13 | 29425.19 | 5794.64 | 3786.44 | 721.17 | 274.26 | 171.49 | 97.47 | 52.00 | | |
| 20 | 180.96 | 274.26 | 274.26 | 7410.01 | 58301.94 | 13988.08 | 3786.44 | 699.17 | 263.21 | 163.42 | 91.92 | 52.00 | | |
| 21 | 274.26 | 190.63 | 274.26 | 7141.96 | 102645.41 | 20213.82 | 3072.87 | 699.17 | 263.21 | 163.42 | 86.49 | 52.00 | | |
| 22 | 200.47 | 401.96 | 289.24 | 8446.69 | 134003.46 | 28524.10 | 2783.89 | 677.41 | 252.33 | 155.50 | 86.49 | 52.00 | | |
| 23 | 147.72 | 13715.67 | 436.58 | 13090.68 | 117233.95 | 19331.32 | 2597.05 | 655.91 | 241.61 | 147.72 | 86.49 | 52.00 | | |
| 24 | 91.92 | 21678.09 | 699.17 | 6616.69 | 76288.59 | 11634.97 | 2287.18 | 634.66 | 241.61 | 147.72 | 86.49 | 56.53 | | |
| 25 | 140.08 | 5794.64 | 937.00 | 4273.07 | 48043.97 | 8026.12 | 2080.90 | 572.44 | 241.61 | 140.08 | 81.18 | 66.00 | | |
| 26 | 132.60 | 2080.90 | 1045.77 | 11971.87 | 48358.47 | 6811.96 | 2004.05 | 512.58 | 231.07 | 140.08 | 76.00 | 70.94 | | |
| 27 | 155.50 | 1130.16 | 884.25 | 29295.84 | 55628.88 | 6106.13 | 1816.55 | 512.58 | 252.33 | 132.60 | 70.94 | 56.53 | | |
| 28 | 512.58 | 743.42 | 788.65 | 28780.51 | 47887.00 | 5733.06 | 1779.86 | 493.17 | 252.33 | 132.60 | 66.00 | 47.60 | | |
| 29 | 634.66 | 532.27 | 655.91 | 16451.92 | 38525.88 | 5610.61 | 1710.17 | 474.03 | 252.33 | 132.60 | | 47.60 | | |
| 30 | 1641.50 | 436.58 | 455.16 | 9829.04 | 35103.94 | 5012.89 | 1641.50 | 455.16 | 241.61 | 132.60 | | 43.54 | | |
| 31 | | 1409.32 | | 6746.64 | 57294.21 | | 1507.25 | | 231.07 | 132.60 | | 43.54 | | |
| Total | 6328.58 | 56165.61 | 17351.46 | 187823.74 | 1123389.99 | 458265.87 | 148078.30 | 25299.68 | 9712.54 | 5558.23 | 2984.55 | 1872.82 | 2042831.37 | Tonday |
| Mean | 210.95 | 1811.79 | 578.38 | 6058.83 | 36238.39 | 15275.53 | 4776.72 | 843.32 | 313.31 | 179.30 | 106.59 | 60.41 | | Ton/day |
| Max | 1641.50 | 21678.09 | 1540.42 | 29295.84 | 134003.46 | 69504.35 | 14723.93 | 1377.21 | 436.58 | 231.07 | 132.60 | 76.00 | 134003.46 | Ton/day |
| Min | 52.00 | 97.47 | 190.63 | 419.14 | 9605.74 | 5012.89 | 1507.25 | 455.16 | 231.07 | 132.60 | 66.00 | 43.54 | 43.54 | Ton/day |

# WATER YEAR : 2006

## NAN RIVER BASIN

### Khwae Noi River at Ban Yang, Phitsanulok (N.22)

Lat 17 - 01 - 56 N Long 100 - 22 - 20 E

**Location : on left bank about 1 kilometer downstream from District Forestry Office.**

**Ban** Yang **Amphoe** Wat Bot **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 4,764 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1963 - 1971,1997 - Cont'd |
| **Actual Measurement** | 1963 - 1971,1997 - Cont'd |
| **Using Rating Curve Water Year** | 1997-2006 |
| **Number of observation** | 184 |
| **R-Square** | 0.8221 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.1173\ QW^{1.46530}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.84 | 316.76 | 272.17 | 2801.30 | 3622.84 | 21975.04 | 17731.47 | 596.91 | 246.47 | 154.07 | 113.40 | 97.31 | | |
| 2 | 4.73 | 395.67 | 254.23 | 2444.11 | 3300.94 | 25069.62 | 11656.37 | 567.37 | 240.17 | 150.45 | 113.40 | 94.71 | | |
| 3 | 13.00 | 339.84 | 212.14 | 1794.04 | 3057.24 | 27395.41 | 8826.38 | 541.92 | 236.00 | 150.45 | 110.66 | 97.31 | | |
| 4 | 12.18 | 153.46 | 217.53 | 1272.81 | 4028.94 | 29393.60 | 7607.29 | 513.29 | 233.92 | 148.65 | 109.25 | 103.86 | | |
| 5 | 9.82 | 70.61 | 332.09 | 1036.62 | 4365.98 | 29201.38 | 10610.37 | 492.14 | 233.92 | 145.07 | 109.25 | 97.31 | | |
| 6 | 7.64 | 44.17 | 524.86 | 791.89 | 3916.83 | 25497.63 | 12302.67 | 467.83 | 225.68 | 143.30 | 110.66 | 101.21 | | |
| 7 | 6.63 | 28.18 | 403.86 | 672.80 | 3160.96 | 16564.04 | 12079.56 | 447.31 | 219.55 | 141.52 | 110.66 | 109.25 | | |
| 8 | 6.95 | 23.05 | 305.41 | 901.02 | 2400.56 | 8250.32 | 13900.16 | 427.08 | 217.53 | 138.00 | 107.95 | 106.55 | | |
| 9 | 6.28 | 29.24 | 198.88 | 1097.04 | 1857.74 | 4734.82 | 18806.84 | 417.08 | 211.47 | 134.51 | 106.55 | 98.57 | | |
| 10 | 6.63 | 41.75 | 146.26 | 1186.20 | 1466.54 | 3750.56 | 24899.06 | 397.30 | 207.47 | 134.51 | 106.55 | 94.71 | | |
| 11 | 7.31 | 45.39 | 130.47 | 1036.62 | 1301.31 | 4758.19 | 30945.70 | 381.06 | 205.48 | 133.12 | 106.55 | 92.12 | | |
| 12 | 7.64 | 73.46 | 363.44 | 1043.28 | 1137.91 | 7846.48 | 32921.10 | 368.22 | 203.49 | 131.62 | 106.55 | 87.03 | | |
| 13 | 6.95 | 139.17 | 355.52 | 1097.04 | 938.38 | 11551.33 | 33020.88 | 358.68 | 195.61 | 130.24 | 106.55 | 82.03 | | |
| 14 | 5.34 | 123.64 | 301.66 | 938.38 | 1023.34 | 11920.30 | 32225.30 | 344.52 | 191.70 | 128.75 | 103.86 | 84.52 | | |
| 15 | 4.73 | 92.85 | 286.79 | 1083.52 | 2665.55 | 11290.04 | 29972.66 | 333.64 | 189.76 | 127.38 | 103.86 | 84.52 | | |
| 16 | 3.84 | 121.95 | 254.23 | 1117.42 | 3371.65 | 11290.04 | 25497.63 | 322.86 | 185.89 | 127.38 | 101.21 | 82.03 | | |
| 17 | 3.04 | 163.23 | 245.06 | 1282.28 | 3371.65 | 11446.58 | 17660.50 | 312.20 | 185.89 | 125.91 | 99.94 | 84.52 | | |
| 18 | 9.47 | 137.42 | 236.69 | 1476.46 | 3460.70 | 10241.16 | 6393.95 | 304.36 | 178.23 | 128.75 | 99.94 | 83.22 | | |
| 19 | 8.01 | 89.77 | 324.40 | 1731.05 | 3750.56 | 10058.12 | 3824.18 | 299.11 | 176.34 | 125.91 | 98.57 | 84.52 | | |
| 20 | 10.23 | 67.79 | 204.15 | 3195.77 | 4503.18 | 14861.04 | 2786.12 | 291.23 | 172.56 | 124.55 | 95.95 | 82.03 | | |
| 21 | 11.38 | 86.73 | 261.36 | 5645.97 | 5359.64 | 18879.24 | 2144.55 | 286.05 | 170.68 | 121.73 | 95.95 | 82.03 | | |
| 22 | 30.32 | 328.24 | 443.92 | 4297.89 | 5737.37 | 23547.98 | 1679.11 | 288.71 | 166.94 | 120.27 | 93.36 | 82.03 | | |
| 23 | 51.68 | 601.57 | 791.89 | 3178.35 | 5585.30 | 27489.55 | 1397.75 | 320.26 | 163.23 | 118.93 | 94.71 | 94.71 | | |
| 24 | 54.27 | 843.30 | 3054.12 | 2429.56 | 4997.50 | 29779.25 | 1193.15 | 331.01 | 161.38 | 125.91 | 94.71 | 95.95 | | |
| 25 | 73.46 | 1537.64 | 2524.59 | 2172.54 | 4140.33 | 29779.25 | 1023.34 | 288.71 | 159.54 | 120.27 | 93.36 | 93.36 | | |
| 26 | 72.03 | 1149.35 | 2614.82 | 2061.27 | 4688.20 | 28531.77 | 922.31 | 278.43 | 161.38 | 120.27 | 92.12 | 92.12 | | |
| 27 | 115.27 | 413.76 | 4095.66 | 2342.88 | 4711.49 | 26014.27 | 843.30 | 275.80 | 159.54 | 118.93 | 93.36 | 90.79 | | |
| 28 | 206.81 | 257.79 | 3622.84 | 2429.56 | 4503.18 | 21166.94 | 776.67 | 265.67 | 157.71 | 118.93 | 93.36 | 84.52 | | |
| 29 | 247.87 | 242.26 | 3160.96 | 2285.65 | 4946.43 | 18951.74 | 726.62 | 258.22 | 155.89 | 116.15 | | 83.22 | | |
| 30 | 212.14 | 250.69 | 3424.99 | 2033.75 | 10656.81 | 21975.04 | 677.64 | 253.24 | 155.89 | 116.15 | | 79.56 | | |
| 31 | | 268.55 | | 3787.31 | 17589.61 | | 630.70 | | 154.07 | 116.15 | | 57.34 | | |
| Total | 1219.49 | 8477.28 | 29564.99 | 60664.38 | 129618.66 | 543210.73 | 365683.33 | 11030.21 | 5923.38 | 4037.83 | 2872.24 | 2782.96 | 1165085.48 | Tonday |
| Mean | 40.65 | 273.46 | 985.50 | 1956.92 | 4181.25 | 18107.02 | 11796.24 | 367.67 | 191.08 | 130.25 | 102.58 | 89.77 | | Ton/day |
| Max | 247.87 | 1537.64 | 4095.66 | 5645.97 | 17589.61 | 29779.25 | 33020.88 | 596.91 | 246.47 | 154.07 | 113.40 | 109.25 | 33020.88 | Ton/day |
| Min | 3.04 | 23.05 | 130.47 | 672.80 | 938.38 | 3750.56 | 630.70 | 253.24 | 154.07 | 116.15 | 92.12 | 57.34 | 3.04 | Ton/day |

# WATER YEAR : 2006

## NAN RIVER BASIN

### Khek River at Ban Wang Nok Aen , Phitsanulok (N.24)

Lat 16 - 50 - 36 N Long 100 - 31 - 20 E

**Location : on right bank about 2 kilometers downstream from Sakunothayan Fall.**

**Ban** Wang Nok Aen **Amphoe** Wang Thong **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 1,838 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1996-Cont'd |
| **Actual Measurement** | 1996-Cont'd |
| **Using Rating Curve Water Year** | 1996-2006 |
| **Number of observation** | 153 |
| **R-Square** | 0.8789 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.6786\ QW^{1.55520}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.99 | 68.43 | 579.16 | 1055.07 | 1658.95 | 3717.35 | 2314.70 | 216.58 | 54.93 | 19.37 | 8.23 | 4.97 | | |
| 2 | 2.99 | 44.35 | 494.49 | 606.94 | 1161.07 | 2611.79 | 1685.97 | 201.10 | 52.95 | 19.37 | 7.91 | 4.97 | | |
| 3 | 2.83 | 26.53 | 344.94 | 480.25 | 792.23 | 1817.04 | 1880.68 | 188.28 | 51.96 | 19.37 | 7.60 | 4.97 | | |
| 4 | 2.68 | 17.71 | 260.67 | 372.04 | 619.17 | 1307.85 | 2595.25 | 171.66 | 50.99 | 18.81 | 7.60 | 4.70 | | |
| 5 | 2.68 | 19.37 | 401.34 | 276.01 | 668.95 | 967.85 | 2423.86 | 164.09 | 48.11 | 18.81 | 7.60 | 4.44 | | |
| 6 | 2.52 | 29.38 | 171.66 | 330.20 | 530.71 | 815.87 | 2661.63 | 152.97 | 46.22 | 18.26 | 7.60 | 4.44 | | |
| 7 | 2.09 | 18.81 | 113.01 | 473.19 | 414.70 | 1008.56 | 2924.46 | 145.71 | 44.35 | 17.71 | 7.29 | 4.44 | | |
| 8 | 1.81 | 22.46 | 87.41 | 811.12 | 344.94 | 2496.80 | 2376.01 | 140.35 | 42.52 | 17.17 | 7.29 | 4.19 | | |
| 9 | 1.68 | 30.85 | 76.54 | 750.31 | 318.58 | 3160.49 | 2513.11 | 129.85 | 38.93 | 16.11 | 7.29 | 4.19 | | |
| 10 | 1.68 | 143.92 | 68.43 | 1345.44 | 307.61 | 3689.21 | 4608.03 | 126.42 | 38.93 | 15.58 | 6.98 | 4.70 | | |
| 11 | 2.83 | 98.80 | 75.21 | 2950.36 | 341.97 | 4207.17 | 4325.54 | 119.64 | 37.18 | 15.06 | 6.98 | 5.24 | | |
| 12 | 3.15 | 80.56 | 117.97 | 1959.05 | 291.65 | 5059.99 | 3375.73 | 111.37 | 35.46 | 14.55 | 6.98 | 4.97 | | |
| 13 | 2.99 | 143.92 | 90.21 | 1112.92 | 216.58 | 4335.46 | 2521.28 | 106.50 | 34.61 | 14.05 | 6.68 | 4.70 | | |
| 14 | 2.99 | 121.32 | 84.65 | 888.25 | 408.00 | 3457.74 | 1838.27 | 98.80 | 33.85 | 13.55 | 6.68 | 4.44 | | |
| 15 | 3.66 | 147.52 | 68.43 | 932.73 | 825.39 | 2513.11 | 1408.74 | 94.47 | 33.09 | 13.06 | 6.68 | 4.19 | | |
| 16 | 4.70 | 196.79 | 77.87 | 750.31 | 942.72 | 2504.95 | 1171.87 | 91.62 | 31.59 | 13.06 | 6.38 | 4.19 | | |
| 17 | 3.83 | 123.01 | 62.07 | 750.31 | 598.83 | 3339.50 | 1055.07 | 87.41 | 30.11 | 12.57 | 6.38 | 4.01 | | |
| 18 | 4.19 | 54.93 | 104.90 | 1270.64 | 709.21 | 2737.02 | 888.25 | 80.56 | 29.38 | 12.09 | 6.38 | 3.83 | | |
| 19 | 4.01 | 47.16 | 113.01 | 2959.01 | 556.61 | 3935.57 | 768.84 | 77.87 | 27.94 | 12.09 | 6.38 | 3.83 | | |
| 20 | 4.01 | 46.22 | 169.75 | 2950.36 | 381.60 | 4994.50 | 668.95 | 77.87 | 26.53 | 11.62 | 6.09 | 4.19 | | |
| 21 | 8.56 | 152.97 | 341.97 | 1817.04 | 490.92 | 3661.15 | 606.94 | 88.81 | 25.84 | 11.62 | 6.09 | 4.97 | | |
| 22 | 9.90 | 505.26 | 263.21 | 1699.54 | 704.70 | 3849.65 | 538.07 | 135.07 | 24.46 | 11.16 | 5.80 | 4.44 | | |
| 23 | 6.68 | 873.60 | 1591.49 | 998.33 | 501.66 | 4385.17 | 487.35 | 111.37 | 23.12 | 10.70 | 5.80 | 4.19 | | |
| 24 | 7.60 | 962.81 | 3028.56 | 648.04 | 369.00 | 3494.41 | 438.45 | 86.03 | 23.12 | 10.25 | 5.52 | 4.19 | | |
| 25 | 79.21 | 459.18 | 1209.94 | 505.26 | 324.37 | 2464.29 | 398.03 | 77.87 | 22.46 | 9.90 | 5.52 | 4.01 | | |
| 26 | 97.35 | 190.39 | 768.84 | 567.85 | 902.99 | 2082.54 | 359.91 | 71.69 | 22.46 | 9.56 | 5.24 | 4.01 | | |
| 27 | 100.25 | 192.52 | 773.50 | 942.72 | 5191.87 | 2067.95 | 330.20 | 67.35 | 21.80 | 9.22 | 5.24 | 3.83 | | |
| 28 | 81.91 | 283.79 | 863.88 | 983.05 | 3792.75 | 1894.79 | 286.41 | 63.11 | 21.80 | 8.89 | 4.97 | 3.66 | | |
| 29 | 198.94 | 431.62 | 1177.28 | 801.65 | 2353.08 | 2440.00 | 260.67 | 60.00 | 21.15 | 8.56 | | 3.49 | | |
| 30 | 167.86 | 421.44 | 1505.77 | 598.83 | 2399.72 | 3142.78 | 248.13 | 55.93 | 20.51 | 8.23 | | 30.11 | | |
| 31 | | 353.89 | | 1102.32 | 3421.20 | | 230.95 | | 19.94 | 8.23 | | 30.11 | | |
| Total | 818.57 | 6309.51 | 15086.16 | 33689.14 | 32541.73 | 88160.55 | 48191.35 | 3400.35 | 1036.29 | 418.58 | 185.18 | 186.61 | 230024.02 | Tonday |
| Mean | 27.29 | 203.53 | 502.87 | 1086.75 | 1049.73 | 2938.68 | 1554.56 | 113.34 | 33.43 | 13.50 | 6.61 | 6.02 | | Ton/day |
| Max | 198.94 | 962.81 | 3028.56 | 2959.01 | 5191.87 | 5059.99 | 4608.03 | 216.58 | 54.93 | 19.37 | 8.23 | 30.11 | 5191.87 | Ton/day |
| Min | 1.68 | 17.71 | 62.07 | 276.01 | 216.58 | 815.87 | 230.95 | 55.93 | 19.94 | 8.23 | 4.97 | 3.49 | 1.68 | Ton/day |

# WATER YEAR : 2006

## NAN RIVER BASIN

### Khlong Butsabong at Ban Phutthabath, Phetchabun (N.53)

Lat 16 - 11 - 26 N Long 100 - 55 - 40 E

**Location : on right bank at the bridge on highway.**

**Ban** Phutthabath **Amphoe** Chon Dan **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 113 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 1997-2006 |
| **Number of observation** | 115 |
| **R-Square** | 0.7866 |
| **Remarks** | Continued Sediment Station |

$$QS = 8.8955\ QW^{1.48350}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.01 | 1.07 | 13.13 | 65.72 | 142.28 | 47.65 | 4.17 | 7.24 | 2.04 | 0.00 | 0.00 | | |
| 2 | 0.00 | 0.00 | 0.29 | 6.63 | 40.98 | 100.61 | 134.85 | 4.17 | 6.63 | 2.04 | 0.00 | 0.00 | | |
| 3 | 0.00 | 0.00 | 15.44 | 7.24 | 25.80 | 58.27 | 926.93 | 3.66 | 6.63 | 1.72 | 0.00 | 0.00 | | |
| 4 | 0.00 | 0.00 | 1.07 | 5.13 | 47.65 | 44.27 | 212.80 | 3.66 | 6.63 | 1.72 | 0.00 | 0.00 | | |
| 5 | 0.00 | 0.00 | 0.29 | 28.65 | 20.40 | 34.63 | 100.61 | 3.28 | 5.13 | 1.72 | 0.00 | 0.00 | | |
| 6 | 0.00 | 0.00 | 0.17 | 142.28 | 10.94 | 34.63 | 113.97 | 3.28 | 4.59 | 1.72 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.05 | 0.14 | 47.65 | 8.90 | 23.05 | 87.80 | 2.81 | 6.15 | 1.35 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.01 | 0.10 | 17.86 | 7.73 | 34.63 | 61.96 | 2.46 | 7.73 | 1.35 | 0.00 | 0.00 | | |
| 9 | 0.00 | 0.00 | 0.08 | 47.65 | 7.73 | 23.05 | 47.65 | 2.46 | 7.73 | 1.35 | 0.00 | 0.00 | | |
| 10 | 0.00 | 0.00 | 23.05 | 807.22 | 6.63 | 87.80 | 413.43 | 2.04 | 7.24 | 1.07 | 0.00 | 0.00 | | |
| 11 | 0.00 | 0.01 | 2.04 | 134.85 | 6.15 | 8987.75 | 127.87 | 2.04 | 6.63 | 1.07 | 0.00 | 0.00 | | |
| 12 | 0.00 | 4.17 | 0.29 | 58.27 | 6.15 | 270.81 | 75.57 | 2.04 | 6.15 | 0.76 | 0.00 | 0.00 | | |
| 13 | 0.00 | 0.17 | 0.21 | 58.27 | 23.05 | 180.24 | 54.65 | 1.72 | 5.13 | 0.53 | 0.00 | 0.00 | | |
| 14 | 0.00 | 0.05 | 0.14 | 37.76 | 7.73 | 87.80 | 47.65 | 1.35 | 4.59 | 0.53 | 0.00 | 0.00 | | |
| 15 | 0.00 | 0.03 | 0.08 | 93.99 | 6.63 | 188.39 | 44.27 | 3.28 | 4.17 | 0.29 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.01 | 0.05 | 37.76 | 127.87 | 1039.44 | 31.60 | 4.17 | 3.28 | 0.29 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.00 | 127.87 | 34.63 | 188.39 | 28.65 | 4.17 | 2.04 | 0.25 | 0.00 | 0.00 | | |
| 18 | 0.00 | 13.13 | 0.01 | 44.27 | 15.44 | 641.29 | 23.05 | 3.66 | 0.76 | 0.21 | 0.00 | 0.00 | | |
| 19 | 0.00 | 7.73 | 0.00 | 81.47 | 23.05 | 701.78 | 20.40 | 3.66 | 0.29 | 0.21 | 0.00 | 0.00 | | |
| 20 | 0.00 | 2.46 | 0.01 | 258.85 | 20.40 | 157.18 | 13.13 | 3.66 | 0.21 | 0.17 | 0.00 | 0.00 | | |
| 21 | 0.00 | 0.25 | 0.05 | 58.27 | 10.94 | 87.80 | 10.94 | 4.17 | 0.17 | 0.17 | 0.00 | 0.00 | | |
| 22 | 0.00 | 0.25 | 0.17 | 134.85 | 8.37 | 3127.76 | 10.94 | 5.58 | 0.14 | 0.17 | 0.00 | 0.00 | | |
| 23 | 0.00 | 44.27 | 51.12 | 58.27 | 13.13 | 359.32 | 8.90 | 6.15 | 0.10 | 0.14 | 0.00 | 0.00 | | |
| 24 | 0.00 | 3.28 | 282.95 | 25.80 | 47.65 | 142.28 | 8.37 | 5.58 | 0.08 | 0.14 | 0.00 | 0.00 | | |
| 25 | 0.00 | 1.07 | 25.80 | 20.40 | 142.28 | 87.80 | 7.73 | 5.13 | 0.08 | 0.10 | 0.00 | 0.00 | | |
| 26 | 0.00 | 2.46 | 7.24 | 142.28 | 47.65 | 142.28 | 6.63 | 4.59 | 0.05 | 0.10 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.29 | 235.46 | 51.12 | 743.27 | 120.70 | 6.63 | 4.59 | 0.10 | 0.08 | 0.00 | 0.00 | | |
| 28 | 0.00 | 0.21 | 31.60 | 44.27 | 100.61 | 87.80 | 6.15 | 4.17 | 0.17 | 0.05 | 0.00 | 0.00 | | |
| 29 | 0.00 | 4.59 | 75.57 | 37.76 | 2666.11 | 87.80 | 5.58 | 7.24 | 0.53 | 0.01 | | 0.00 | | |
| 30 | 0.00 | 1.35 | 65.72 | 25.80 | 100.61 | 61.96 | 5.13 | 7.24 | 0.29 | 0.00 | | 0.00 | | |
| 31 | | 4.59 | | 51.12 | 828.53 | | 4.59 | | 0.29 | 0.00 | | 0.00 | | |
| Total | 0.00 | 90.44 | 820.21 | 2706.74 | 5222.73 | 17331.79 | 2696.08 | 116.18 | 100.95 | 21.35 | 0.00 | 0.00 | 29106.47 | Tonday |
| Mean | 0.00 | 2.92 | 27.34 | 87.31 | 168.48 | 577.73 | 86.97 | 3.87 | 3.26 | 0.69 | 0.00 | 0.00 | | Ton/day |
| Max | 0.00 | 44.27 | 282.95 | 807.22 | 2666.11 | 8987.75 | 926.93 | 7.24 | 7.73 | 2.04 | 0.00 | 0.00 | 8987.75 | Ton/day |
| Min | 0.00 | 0.00 | 0.00 | 5.13 | 6.15 | 23.05 | 4.59 | 1.35 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Phak at Ban Tha Sakae , Phitsanulok (N.55)

Lat 17 - 15 - 06 N Long 100 - 37 - 53 E

**Location : on left bank at the bridge of Nakhon Thai - Chat Trakan Road , Tambon Pa Daeng.**

**Ban** Tha Sakae **Amphoe** Chat Trakan **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 971 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1983 - Cont'd,1994 - Cont'd |
| **Actual Measurement** | 1983 - Cont'd,1994 - Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 91 |
| **R-Square** | 0.7430 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.6754\ QW^{1.31830}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.39 | 65.40 | 116.95 | 127.79 | 694.29 | 5034.35 | 797.01 | 96.42 | 25.14 | 8.92 | 11.40 | 10.39 | | |
| 2 | 7.51 | 29.23 | 91.97 | 106.35 | 402.50 | 3588.06 | 595.12 | 155.87 | 25.92 | 9.41 | 11.40 | 9.90 | | |
| 3 | 5.73 | 14.96 | 67.94 | 80.34 | 254.09 | 2639.40 | 533.38 | 140.73 | 26.70 | 9.90 | 10.89 | 9.41 | | |
| 4 | 4.88 | 8.92 | 443.64 | 65.40 | 286.64 | 2033.27 | 1126.92 | 131.46 | 27.48 | 10.39 | 10.89 | 8.92 | | |
| 5 | 4.07 | 8.92 | 332.27 | 51.89 | 364.99 | 1562.55 | 1510.11 | 124.15 | 27.48 | 10.89 | 10.39 | 8.45 | | |
| 6 | 3.68 | 7.51 | 233.68 | 46.00 | 272.58 | 1166.28 | 1378.12 | 116.95 | 28.35 | 11.40 | 10.39 | 7.06 | | |
| 7 | 3.44 | 7.06 | 146.36 | 45.03 | 220.31 | 887.88 | 1237.65 | 106.35 | 27.48 | 11.40 | 10.39 | 6.61 | | |
| 8 | 3.44 | 12.95 | 135.15 | 80.34 | 199.34 | 676.31 | 1389.48 | 97.91 | 26.70 | 11.40 | 9.90 | 6.16 | | |
| 9 | 3.20 | 20.62 | 104.60 | 69.22 | 199.34 | 517.16 | 1810.82 | 94.93 | 25.92 | 11.40 | 9.90 | 5.30 | | |
| 10 | 3.20 | 11.91 | 81.78 | 56.71 | 177.28 | 964.85 | 2042.18 | 87.56 | 25.14 | 11.40 | 9.41 | 4.88 | | |
| 11 | 3.20 | 15.64 | 55.50 | 48.34 | 175.31 | 969.31 | 2401.43 | 83.21 | 24.37 | 11.40 | 8.92 | 4.88 | | |
| 12 | 2.97 | 13.61 | 30.11 | 177.28 | 125.97 | 1018.76 | 2562.61 | 77.50 | 23.61 | 11.40 | 8.92 | 4.47 | | |
| 13 | 2.97 | 11.40 | 23.61 | 89.02 | 108.10 | 880.06 | 2229.60 | 71.89 | 22.86 | 11.40 | 8.45 | 4.47 | | |
| 14 | 2.74 | 46.00 | 25.92 | 62.89 | 483.99 | 651.34 | 1927.09 | 70.50 | 22.11 | 11.40 | 8.45 | 4.07 | | |
| 15 | 2.74 | 39.26 | 24.37 | 49.51 | 619.56 | 508.06 | 1556.70 | 65.40 | 22.11 | 11.40 | 7.98 | 4.07 | | |
| 16 | 18.45 | 67.94 | 23.61 | 43.08 | 486.98 | 864.81 | 1253.08 | 60.40 | 19.89 | 11.40 | 7.98 | 3.68 | | |
| 17 | 5.30 | 29.23 | 20.62 | 74.68 | 588.18 | 903.96 | 982.74 | 57.94 | 18.45 | 11.40 | 7.98 | 3.68 | | |
| 18 | 4.88 | 19.17 | 19.89 | 124.15 | 523.25 | 891.90 | 774.72 | 54.29 | 17.03 | 11.40 | 7.98 | 3.68 | | |
| 19 | 11.40 | 29.23 | 28.35 | 116.95 | 705.13 | 1237.65 | 612.56 | 54.29 | 16.33 | 11.40 | 7.51 | 5.73 | | |
| 20 | 14.28 | 46.00 | 36.46 | 486.98 | 1136.58 | 1650.67 | 536.76 | 53.09 | 15.64 | 11.40 | 7.51 | 17.03 | | |
| 21 | 5.73 | 35.53 | 74.68 | 460.36 | 1317.65 | 1850.98 | 460.36 | 49.51 | 14.96 | 11.40 | 7.06 | 10.39 | | |
| 22 | 11.40 | 81.78 | 66.67 | 344.55 | 1279.89 | 2024.37 | 407.93 | 48.34 | 14.28 | 11.40 | 7.06 | 8.92 | | |
| 23 | 14.28 | 407.93 | 124.15 | 220.31 | 1023.28 | 2810.23 | 359.71 | 45.03 | 13.61 | 11.40 | 7.51 | 7.06 | | |
| 24 | 83.21 | 564.04 | 124.15 | 155.87 | 690.69 | 2414.41 | 324.96 | 43.08 | 12.95 | 11.40 | 7.98 | 7.06 | | |
| 25 | 81.78 | 489.98 | 233.68 | 222.52 | 502.02 | 1953.51 | 298.49 | 39.26 | 12.43 | 11.40 | 8.45 | 6.16 | | |
| 26 | 25.14 | 424.32 | 272.58 | 481.00 | 944.45 | 1631.01 | 267.93 | 36.46 | 11.91 | 11.40 | 8.92 | 5.73 | | |
| 27 | 41.16 | 148.25 | 251.81 | 451.98 | 1323.06 | 1378.12 | 222.52 | 33.70 | 10.89 | 11.40 | 9.41 | 5.73 | | |
| 28 | 86.11 | 91.97 | 203.42 | 405.21 | 1644.11 | 1141.42 | 189.24 | 31.00 | 10.39 | 11.40 | 9.90 | 4.88 | | |
| 29 | 86.11 | 104.60 | 89.02 | 354.44 | 1545.02 | 1027.81 | 159.72 | 27.48 | 9.41 | 11.40 | | 4.88 | | |
| 30 | 83.21 | 76.09 | 81.78 | 293.74 | 1446.62 | 903.96 | 93.44 | 25.92 | 8.92 | 11.40 | | 5.30 | | |
| 31 | | 137.00 | | 1005.22 | 2778.97 | | 66.67 | | 7.98 | 11.40 | | 5.73 | | |
| Total | 636.60 | 3066.45 | 3564.72 | 6397.15 | 22520.17 | 45782.45 | 30109.05 | 2180.62 | 596.44 | 345.91 | 252.93 | 204.68 | 115657.17 | Tonday |
| Mean | 21.22 | 98.92 | 118.82 | 206.36 | 726.46 | 1526.08 | 971.26 | 72.69 | 19.24 | 11.16 | 9.03 | 6.60 | | Ton/day |
| Max | 86.11 | 564.04 | 443.64 | 1005.22 | 2778.97 | 5034.35 | 2562.61 | 155.87 | 28.35 | 11.40 | 11.40 | 17.03 | 5034.35 | Ton/day |
| Min | 2.74 | 7.06 | 19.89 | 43.08 | 108.10 | 508.06 | 66.67 | 25.92 | 7.98 | 8.92 | 7.06 | 3.68 | 2.74 | Ton/day |

# WATER YEAR : 2006

## NAN RIVER BASIN

### Nam Fua at Ban Nam Fua , Phitsanulok (N.58)

Lat 17 - 08 - 45 N Long 100 - 56 - 04 E

**Location : on left bank at the bridge of Nakhon Thai - Dan Sai Road from the guidpost 11.5**

**Ban** Nam Fua **Amphoe** Nakhon Thai **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 317 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 98 |
| **R-Square** | 0.7645 |
| **Remarks** | Continued Sediment Station |

$$QS = 11.8800\ QW^{1.67510}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.29 | 104.88 | 20.13 | 30.33 | 529.66 | 4001.34 | 135.16 | 64.68 | 23.69 | 14.36 | 8.17 | 8.17 | | |
| 2 | 28.90 | 47.95 | 17.50 | 23.43 | 95.94 | 987.86 | 150.33 | 68.26 | 23.69 | 14.36 | 9.23 | 8.17 | | |
| 3 | 27.49 | 37.94 | 36.36 | 19.15 | 51.49 | 558.47 | 421.51 | 64.68 | 23.69 | 14.36 | 10.52 | 7.01 | | |
| 4 | 26.11 | 28.90 | 20.87 | 12.28 | 155.91 | 500.57 | 6598.57 | 61.56 | 22.14 | 14.36 | 10.52 | 7.01 | | |
| 5 | 26.11 | 26.11 | 37.94 | 87.78 | 65.07 | 463.40 | 1614.35 | 58.12 | 20.38 | 14.36 | 10.52 | 6.07 | | |
| 6 | 24.75 | 26.11 | 23.43 | 33.29 | 77.35 | 419.83 | 1374.29 | 55.13 | 18.91 | 14.36 | 10.52 | 6.07 | | |
| 7 | 24.75 | 24.75 | 16.80 | 36.36 | 72.33 | 355.03 | 800.70 | 51.85 | 18.91 | 14.36 | 10.52 | 7.01 | | |
| 8 | 23.43 | 24.75 | 14.36 | 22.14 | 47.95 | 362.89 | 695.09 | 49.00 | 18.91 | 14.36 | 10.52 | 7.01 | | |
| 9 | 23.43 | 23.43 | 12.89 | 28.90 | 122.17 | 301.98 | 1028.38 | 45.87 | 18.91 | 14.36 | 10.52 | 7.01 | | |
| 10 | 22.14 | 20.87 | 12.89 | 36.36 | 85.12 | 8287.61 | 1271.92 | 43.16 | 17.26 | 14.36 | 10.52 | 7.01 | | |
| 11 | 20.87 | 23.43 | 11.48 | 37.94 | 301.98 | 971.37 | 993.78 | 40.19 | 15.90 | 14.36 | 9.23 | 7.01 | | |
| 12 | 20.87 | 251.75 | 10.90 | 39.54 | 755.61 | 9180.71 | 526.91 | 37.62 | 14.36 | 14.36 | 9.23 | 7.01 | | |
| 13 | 20.13 | 44.50 | 10.90 | 47.95 | 324.29 | 1141.27 | 505.07 | 37.62 | 13.10 | 13.10 | 9.23 | 7.01 | | |
| 14 | 20.13 | 24.75 | 10.14 | 30.33 | 171.95 | 609.14 | 362.89 | 37.62 | 11.68 | 13.10 | 9.23 | 7.01 | | |
| 15 | 27.49 | 19.15 | 9.59 | 24.75 | 246.33 | 454.72 | 296.13 | 37.62 | 10.52 | 13.10 | 9.23 | 7.01 | | |
| 16 | 24.75 | 15.90 | 9.59 | 41.17 | 186.20 | 878.16 | 257.23 | 34.81 | 10.52 | 13.10 | 9.23 | 7.01 | | |
| 17 | 24.75 | 14.36 | 9.59 | 51.49 | 136.75 | 10981.89 | 220.56 | 34.81 | 11.68 | 13.10 | 9.23 | 7.01 | | |
| 18 | 23.43 | 12.89 | 8.87 | 33.29 | 133.05 | 2406.20 | 183.20 | 34.81 | 11.68 | 13.10 | 9.23 | 7.01 | | |
| 19 | 23.43 | 27.49 | 8.87 | 339.52 | 202.15 | 3150.87 | 171.95 | 32.99 | 13.10 | 11.68 | 9.23 | 7.01 | | |
| 20 | 79.91 | 20.87 | 13.72 | 176.06 | 240.28 | 1435.59 | 139.97 | 32.99 | 13.10 | 11.68 | 8.17 | 23.69 | | |
| 21 | 87.78 | 20.87 | 65.07 | 60.40 | 140.50 | 1266.69 | 129.90 | 32.99 | 13.10 | 11.68 | 8.17 | 9.23 | | |
| 22 | 51.49 | 85.12 | 22.14 | 906.53 | 229.02 | 1397.32 | 120.14 | 32.99 | 13.10 | 11.68 | 8.17 | 8.17 | | |
| 23 | 47.95 | 454.72 | 16.80 | 140.50 | 191.66 | 938.72 | 101.55 | 30.92 | 14.36 | 11.68 | 8.17 | 7.01 | | |
| 24 | 46.21 | 74.82 | 309.34 | 41.17 | 181.40 | 922.57 | 86.00 | 29.18 | 14.36 | 10.52 | 8.17 | 7.01 | | |
| 25 | 60.40 | 31.80 | 26.11 | 159.86 | 186.20 | 689.97 | 86.00 | 29.18 | 14.36 | 10.52 | 8.17 | 6.07 | | |
| 26 | 42.82 | 20.87 | 140.50 | 176.06 | 136.75 | 1123.79 | 75.24 | 27.21 | 14.36 | 10.52 | 8.17 | 6.07 | | |
| 27 | 39.54 | 19.15 | 386.89 | 115.12 | 7565.48 | 354.25 | 68.26 | 25.56 | 14.36 | 10.52 | 8.17 | 6.07 | | |
| 28 | 62.72 | 17.50 | 44.50 | 69.88 | 768.38 | 272.53 | 68.26 | 25.56 | 14.36 | 10.52 | 8.17 | 5.05 | | |
| 29 | 67.46 | 436.71 | 34.81 | 53.66 | 275.35 | 145.38 | 64.68 | 23.69 | 14.36 | 10.52 | | 5.05 | | |
| 30 | 339.52 | 37.94 | 33.29 | 196.57 | 403.22 | 110.69 | 58.12 | 23.69 | 14.36 | 9.23 | | 9.23 | | |
| 31 | | 23.43 | | 3090.74 | 43351.70 | | 51.85 | | 14.36 | 8.17 | | 7.01 | | |
| Total | 1392.05 | 2043.71 | 1396.27 | 6162.55 | 57431.24 | 54670.81 | 18657.99 | 1204.36 | 487.57 | 389.84 | 258.16 | 233.29 | 144327.84 | Tonday |
| Mean | 46.40 | 65.93 | 46.54 | 198.79 | 1852.62 | 1822.36 | 601.87 | 40.15 | 15.73 | 12.58 | 9.22 | 7.53 | | Ton/day |
| Max | 339.52 | 454.72 | 386.89 | 3090.74 | 43351.70 | 10981.89 | 6598.57 | 68.26 | 23.69 | 14.36 | 10.52 | 23.69 | 43351.70 | Ton/day |
| Min | 20.13 | 12.89 | 8.87 | 12.28 | 47.95 | 110.69 | 51.85 | 23.69 | 10.52 | 8.17 | 8.17 | 5.05 | 5.05 | Ton/day |

# WATER YEAR : 2006

## NAN RIVER BASIN

### Lam Nam Khan at Ban Na Pho Na Chan , Phitsanulok (N.59)

Lat 17 - 01 - 49 N Long 100 - 50 - 35 E

**Location : on left bank at Ban Na Chan.**

**Ban** Na Chan **Amphoe** Nakhon Thai **Changwat** Phitsanulok

| | |
|---|---|
| **Drainge Area** | 415 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH-48 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 99 |
| **R-Square** | 0.7483 |
| **Remarks** | Continued Sediment Station |

$$QS = 8.6115\ QW^{1.32250}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.38 | 152.81 | 154.19 | 414.08 | 2613.00 | 1749.61 | 455.57 | 59.27 | 24.43 | 8.95 | 3.17 | 2.15 | | |
| 2 | 0.96 | 14.85 | 65.73 | 551.04 | 723.96 | 893.14 | 380.75 | 70.64 | 23.55 | 8.38 | 3.00 | 1.91 | | |
| 3 | 3.53 | 5.99 | 64.80 | 498.00 | 370.45 | 537.27 | 868.85 | 67.61 | 22.68 | 8.16 | 2.91 | 1.75 | | |
| 4 | 1.52 | 3.53 | 24.43 | 99.05 | 732.36 | 396.61 | 912.62 | 62.94 | 20.97 | 7.49 | 2.91 | 1.68 | | |
| 5 | 0.83 | 5.37 | 180.00 | 99.05 | 467.60 | 302.83 | 974.91 | 59.27 | 19.71 | 7.71 | 2.91 | 1.60 | | |
| 6 | 1.23 | 2.48 | 62.02 | 1598.53 | 278.65 | 271.49 | 1087.20 | 57.45 | 19.71 | 7.71 | 2.91 | 1.52 | | |
| 7 | 0.70 | 2.40 | 30.47 | 653.36 | 250.30 | 320.04 | 888.20 | 53.86 | 19.29 | 7.27 | 3.00 | 1.45 | | |
| 8 | 0.70 | 14.85 | 19.29 | 561.43 | 178.09 | 293.10 | 599.90 | 50.33 | 19.29 | 6.84 | 3.17 | 1.38 | | |
| 9 | 0.76 | 34.24 | 12.93 | 334.97 | 199.37 | 239.48 | 2341.25 | 48.24 | 19.29 | 6.62 | 3.00 | 1.30 | | |
| 10 | 0.58 | 32.97 | 20.12 | 408.24 | 131.16 | 1721.36 | 2996.72 | 46.86 | 18.46 | 6.41 | 3.00 | 1.30 | | |
| 11 | 0.46 | 207.24 | 79.13 | 161.13 | 105.92 | 1051.03 | 2110.47 | 45.49 | 17.64 | 6.20 | 2.91 | 1.30 | | |
| 12 | 0.41 | 36.82 | 30.47 | 183.84 | 91.27 | 1184.57 | 1849.33 | 43.45 | 16.83 | 5.99 | 2.73 | 1.23 | | |
| 13 | 0.36 | 17.24 | 18.05 | 129.84 | 201.33 | 961.22 | 893.14 | 41.43 | 16.03 | 5.99 | 2.73 | 1.23 | | |
| 14 | 0.31 | 20.55 | 14.08 | 96.78 | 1079.79 | 422.89 | 561.43 | 39.44 | 15.24 | 5.58 | 2.73 | 1.23 | | |
| 15 | 1.16 | 137.84 | 9.65 | 247.97 | 764.50 | 305.27 | 449.59 | 37.47 | 14.46 | 5.58 | 2.65 | 1.16 | | |
| 16 | 0.76 | 34.88 | 7.93 | 135.16 | 1522.04 | 873.77 | 373.02 | 36.17 | 14.08 | 5.37 | 2.48 | 1.16 | | |
| 17 | 0.64 | 15.24 | 7.05 | 92.29 | 912.62 | 1199.73 | 315.10 | 34.88 | 12.93 | 5.17 | 2.40 | 1.09 | | |
| 18 | 0.46 | 7.27 | 7.05 | 698.90 | 458.57 | 1478.75 | 273.88 | 33.61 | 12.56 | 5.17 | 2.15 | 0.96 | | |
| 19 | 0.46 | 7.05 | 8.38 | 854.50 | 802.13 | 2838.33 | 229.29 | 32.97 | 11.81 | 4.77 | 2.15 | 0.96 | | |
| 20 | 52.09 | 10.00 | 54.76 | 455.57 | 373.02 | 1693.23 | 201.33 | 31.72 | 11.45 | 4.77 | 2.15 | 1.30 | | |
| 21 | 8.61 | 12.93 | 21.82 | 181.92 | 362.78 | 1250.09 | 174.29 | 259.67 | 11.08 | 4.58 | 2.15 | 1.60 | | |
| 22 | 1.30 | 48.94 | 20.12 | 187.69 | 1169.46 | 2178.70 | 156.96 | 87.85 | 11.08 | 4.58 | 2.15 | 1.30 | | |
| 23 | 7.05 | 159.74 | 504.13 | 136.50 | 393.71 | 3130.30 | 144.60 | 45.49 | 11.08 | 4.38 | 1.99 | 1.23 | | |
| 24 | 42.77 | 165.33 | 360.23 | 99.05 | 342.50 | 1169.46 | 136.50 | 39.44 | 10.72 | 4.29 | 1.99 | 1.16 | | |
| 25 | 41.43 | 34.24 | 254.98 | 86.84 | 201.33 | 835.33 | 116.76 | 34.24 | 10.72 | 4.29 | 1.99 | 1.09 | | |
| 26 | 76.98 | 23.55 | 1384.04 | 428.79 | 241.53 | 933.99 | 103.62 | 31.09 | 10.72 | 4.09 | 1.99 | 0.89 | | |
| 27 | 93.51 | 76.01 | 719.60 | 1214.94 | 2567.21 | 638.99 | 92.29 | 29.85 | 10.36 | 4.00 | 2.15 | 0.76 | | |
| 28 | 231.32 | 42.77 | 205.27 | 467.60 | 1330.06 | 599.90 | 79.13 | 27.41 | 10.36 | 3.81 | 2.15 | 0.70 | | |
| 29 | 252.64 | 29.85 | 322.52 | 219.20 | 533.84 | 464.58 | 66.67 | 26.21 | 10.36 | 3.53 | | 0.89 | | |
| 30 | 350.07 | 34.88 | 334.97 | 141.89 | 723.96 | 488.83 | 54.76 | 25.02 | 10.00 | 3.26 | | 98.02 | | |
| 31 | | 95.75 | | 988.65 | 1124.41 | | 48.94 | | 10.00 | 3.17 | | 6.84 | | |
| Total | 1174.98 | 1487.61 | 4998.21 | 12426.80 | 21246.92 | 30423.89 | 19937.07 | 1559.37 | 466.89 | 174.11 | 71.62 | 142.14 | 94109.61 | Tonday |
| Mean | 39.17 | 47.99 | 166.61 | 400.86 | 685.38 | 1014.13 | 643.13 | 51.98 | 15.06 | 5.62 | 2.56 | 4.59 | | Ton/day |
| Max | 350.07 | 207.24 | 1384.04 | 1598.53 | 2613.00 | 3130.30 | 2996.72 | 259.67 | 24.43 | 8.95 | 3.17 | 98.02 | 3130.30 | Ton/day |
| Min | 0.31 | 2.40 | 7.05 | 86.84 | 91.27 | 239.48 | 48.94 | 25.02 | 10.00 | 3.17 | 1.99 | 0.70 | 0.31 | Ton/day |

# WATER YEAR : 2006

## Nan RIVER BASIN

## Khlong Tron at Ban Wang Pla Kod , Uttaradit (N.72)

Lat 17 - 27 - 24 N Long 100 - 16 - 39 E

**Location : on right bank at Ban Wang Pla Kod.**

**Ban** Wang Pla Kod **Amphoe** Thong Saen Khar **Changwat** Uttaradit

| | |
|---|---|
| **Drainge Area** | 225 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont'd |
| **Actual Measurement** | 2005-Cont'd |
| **Using Rating Curve Water Year** | 2005-2006 |
| **Number of observation** | 27 |
| **R-Square** | 0.9180 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.1710\ QW^{1.50100}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.30 | 18.76 | 268.68 | 30.89 | 414.34 | 13581.69 | 838.96 | 68.64 | 18.05 | 4.05 | 5.97 | 5.97 | | |
| 2 | 14.64 | 11.47 | 85.85 | 79.98 | 199.78 | 8424.29 | 521.79 | 56.35 | 16.66 | 4.05 | 4.41 | 4.79 | | |
| 3 | 14.09 | 9.03 | 70.49 | 863.26 | 107.49 | 2216.68 | 509.89 | 53.28 | 16.66 | 4.05 | 2.71 | 4.05 | | |
| 4 | 13.02 | 6.80 | 304.24 | 281.84 | 273.05 | 1111.61 | 1932.09 | 57.91 | 16.66 | 2.71 | 2.11 | 4.79 | | |
| 5 | 13.55 | 5.17 | 176.35 | 79.98 | 238.80 | 607.63 | 4023.73 | 45.85 | 16.66 | 1.56 | 14.09 | 7.23 | | |
| 6 | 11.98 | 4.41 | 91.87 | 81.92 | 129.33 | 374.77 | 3156.19 | 70.49 | 12.50 | 1.56 | 15.97 | 9.03 | | |
| 7 | 9.03 | 4.41 | 72.36 | 79.98 | 91.87 | 247.22 | 3775.74 | 40.19 | 15.97 | 3.36 | 3.70 | 9.50 | | |
| 8 | 5.17 | 4.41 | 38.81 | 63.20 | 79.98 | 176.35 | 7482.52 | 41.58 | 13.02 | 1.31 | 3.03 | 8.11 | | |
| 9 | 10.47 | 10.97 | 25.56 | 34.78 | 48.78 | 131.84 | 7230.30 | 40.19 | 18.76 | 1.31 | 3.03 | 7.23 | | |
| 10 | 9.98 | 9.50 | 21.70 | 18.05 | 63.20 | 322.57 | 9456.84 | 48.78 | 15.30 | 3.36 | 3.03 | 11.98 | | |
| 11 | 10.97 | 6.80 | 17.35 | 32.17 | 81.92 | 1111.61 | 15712.27 | 74.24 | 10.47 | 5.17 | 3.36 | 9.03 | | |
| 12 | 11.98 | 7.67 | 16.66 | 107.49 | 36.11 | 974.77 | 10319.92 | 29.63 | 10.47 | 6.80 | 9.03 | 11.98 | | |
| 13 | 11.47 | 7.67 | 15.97 | 87.84 | 25.56 | 677.88 | 5871.58 | 30.89 | 9.50 | 7.67 | 8.11 | 11.98 | | |
| 14 | 12.50 | 7.23 | 14.09 | 28.80 | 203.21 | 389.45 | 2995.82 | 32.17 | 9.03 | 13.55 | 5.56 | 9.98 | | |
| 15 | 14.64 | 27.98 | 9.98 | 33.47 | 838.96 | 260.03 | 1660.33 | 32.17 | 9.50 | 11.47 | 11.98 | 9.50 | | |
| 16 | 14.64 | 15.97 | 5.56 | 36.11 | 273.05 | 1074.54 | 1065.33 | 29.63 | 9.50 | 11.98 | 48.78 | 12.50 | | |
| 17 | 18.05 | 18.76 | 4.41 | 36.11 | 281.84 | 5008.86 | 838.96 | 23.22 | 9.50 | 7.23 | 26.36 | 13.55 | | |
| 18 | 27.98 | 11.47 | 4.05 | 72.36 | 150.80 | 4561.32 | 645.74 | 24.77 | 9.03 | 11.98 | 25.56 | 11.47 | | |
| 19 | 23.22 | 30.89 | 4.79 | 105.15 | 450.04 | 2376.99 | 558.04 | 24.77 | 8.11 | 13.55 | 25.56 | 15.30 | | |
| 20 | 14.64 | 24.77 | 53.28 | 503.79 | 5132.61 | 4886.12 | 558.04 | 28.80 | 7.67 | 14.64 | 24.77 | 18.05 | | |
| 21 | 9.50 | 20.21 | 759.66 | 677.88 | 3923.90 | 10165.39 | 355.48 | 22.46 | 7.23 | 16.66 | 23.99 | 11.47 | | |
| 22 | 9.98 | 1001.65 | 697.73 | 806.93 | 1225.33 | 9215.03 | 304.24 | 26.36 | 7.23 | 17.35 | 17.35 | 9.50 | | |
| 23 | 11.47 | 10479.17 | 409.32 | 264.34 | 632.95 | 16919.77 | 295.21 | 14.64 | 5.56 | 11.98 | 3.36 | 8.11 | | |
| 24 | 10.97 | 7146.87 | 476.13 | 226.36 | 414.34 | 9809.46 | 234.63 | 23.22 | 6.38 | 13.55 | 1.83 | 16.66 | | |
| 25 | 12.50 | 1905.81 | 620.25 | 129.33 | 247.22 | 2504.24 | 226.36 | 20.21 | 6.38 | 9.50 | 1.83 | 10.97 | | |
| 26 | 11.98 | 498.07 | 515.64 | 100.52 | 632.95 | 1585.25 | 163.41 | 20.21 | 6.38 | 18.05 | 1.83 | 3.70 | | |
| 27 | 10.97 | 153.92 | 369.92 | 98.23 | 830.91 | 1775.12 | 139.46 | 19.48 | 6.38 | 14.09 | 3.36 | 1.31 | | |
| 28 | 22.46 | 70.49 | 206.66 | 100.52 | 956.98 | 1254.33 | 124.36 | 19.48 | 5.97 | 13.55 | 1.56 | 0.16 | | |
| 29 | 76.13 | 47.31 | 89.85 | 121.90 | 595.10 | 1736.57 | 107.49 | 18.76 | 5.97 | 9.03 | | 0.16 | | |
| 30 | 41.58 | 72.36 | 78.05 | 98.23 | 1487.12 | 1711.21 | 105.15 | 17.35 | 4.05 | 9.03 | | 0.46 | | |
| 31 | | 704.12 | | 317.95 | 7105.28 | | 66.81 | | 4.05 | 6.38 | | 0.65 | | |
| Total | 494.86 | 22344.12 | 5525.26 | 5599.36 | 27172.80 | 105192.59 | 81276.68 | 1055.72 | 318.60 | 270.53 | 302.23 | 259.17 | 249811.92 | Tonday |
| Mean | 16.50 | 720.78 | 184.18 | 180.62 | 876.54 | 3506.42 | 2621.83 | 35.19 | 10.28 | 8.73 | 10.79 | 8.36 | | Ton/day |
| Max | 76.13 | 10479.17 | 759.66 | 863.26 | 7105.28 | 16919.77 | 15712.27 | 74.24 | 18.76 | 18.05 | 48.78 | 18.05 | 16919.77 | Ton/day |
| Min | 5.17 | 4.41 | 4.05 | 18.05 | 25.56 | 131.84 | 66.81 | 14.64 | 4.05 | 1.31 | 1.56 | 0.16 | 0.16 | Ton/day |

# WATER YEAR : 2006

## SAKAE KRANG RIVER BASIN

## Nam Mae Wong at Ban Pang Makha, Kamphaeng Phet (Ct.5A)

Lat 15 - 55 - 33 N Long 99 - 30 - 22 E

**Location : on left bank behind Wat Pang Makha.**

**Ban** Pang Makha **Amphoe** Khanu Woralaksaburi **Changwat** Kamphaeng Phet

| | |
|---|---|
| **Drainge Area** | 977 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1969-Cont'd |
| **Actual Measurement** | 1969-Cont'd |
| **Using Rating Curve Water Year** | 1969-2006 |
| **Number of observation** | 303 |
| **R-Square** | 0.7449 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.0484\ QW^{1.32740}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.05 | 10.43 | 79.25 | 163.23 | 22.17 | 31.76 | 869.45 | 69.34 | 13.16 | 2.52 | 0.33 | 0.06 | | |
| 2 | 2.52 | 8.70 | 62.08 | 233.86 | 22.17 | 33.20 | 591.08 | 62.08 | 11.32 | 2.05 | 0.30 | 0.06 | | |
| 3 | 1.61 | 6.27 | 55.02 | 255.73 | 22.17 | 46.79 | 755.03 | 58.52 | 9.56 | 2.05 | 0.27 | 0.06 | | |
| 4 | 1.20 | 4.05 | 40.61 | 186.07 | 21.11 | 40.61 | 915.00 | 55.02 | 9.56 | 2.05 | 0.27 | 0.06 | | |
| 5 | 0.82 | 3.52 | 30.34 | 137.03 | 23.48 | 43.67 | 1071.33 | 51.57 | 9.56 | 2.05 | 0.24 | 0.06 | | |
| 6 | 0.19 | 3.52 | 23.48 | 102.86 | 24.82 | 26.17 | 850.11 | 49.96 | 8.70 | 2.05 | 0.24 | 0.04 | | |
| 7 | 0.00 | 2.05 | 20.07 | 83.31 | 22.17 | 24.82 | 607.12 | 48.37 | 19.04 | 1.61 | 0.22 | 0.04 | | |
| 8 | 0.00 | 2.05 | 17.02 | 73.27 | 19.04 | 37.60 | 433.62 | 46.79 | 17.02 | 1.61 | 0.22 | 0.04 | | |
| 9 | 0.19 | 28.93 | 14.10 | 67.51 | 18.02 | 37.60 | 378.04 | 45.22 | 17.02 | 0.08 | 0.19 | 0.04 | | |
| 10 | 2.05 | 8.70 | 11.32 | 83.31 | 27.55 | 81.27 | 538.41 | 43.67 | 15.06 | 1.61 | 0.19 | 0.04 | | |
| 11 | 2.52 | 36.12 | 15.06 | 71.30 | 28.93 | 126.88 | 1049.05 | 43.67 | 13.16 | 1.61 | 0.17 | 0.04 | | |
| 12 | 1.61 | 43.67 | 12.23 | 62.08 | 33.20 | 163.23 | 1411.38 | 42.13 | 12.23 | 0.08 | 0.17 | 0.04 | | |
| 13 | 0.82 | 34.65 | 9.56 | 55.02 | 33.20 | 369.84 | 990.21 | 40.61 | 12.23 | 1.61 | 0.17 | 0.04 | | |
| 14 | 0.48 | 15.06 | 18.02 | 45.22 | 31.76 | 275.64 | 990.21 | 37.60 | 11.32 | 28.93 | 0.14 | 0.02 | | |
| 15 | 0.19 | 16.03 | 8.70 | 37.60 | 31.76 | 124.38 | 677.80 | 36.12 | 10.43 | 3.52 | 0.14 | 0.02 | | |
| 16 | 0.00 | 30.34 | 7.87 | 42.13 | 49.96 | 131.93 | 469.37 | 33.20 | 8.70 | 11.32 | 0.14 | 0.02 | | |
| 17 | 2.52 | 85.35 | 4.76 | 34.65 | 73.27 | 171.71 | 349.53 | 31.76 | 7.87 | 5.50 | 0.12 | 0.02 | | |
| 18 | 4.05 | 67.51 | 4.05 | 34.65 | 56.76 | 183.17 | 268.96 | 28.93 | 6.27 | 3.01 | 0.12 | 0.02 | | |
| 19 | 3.52 | 43.67 | 14.10 | 36.12 | 45.22 | 262.32 | 221.66 | 27.55 | 6.27 | 2.05 | 0.12 | 0.02 | | |
| 20 | 5.50 | 37.60 | 107.42 | 39.10 | 42.13 | 365.75 | 177.42 | 26.17 | 5.50 | 0.10 | 0.10 | 0.02 | | |
| 21 | 14.10 | 337.47 | 65.68 | 31.76 | 39.10 | 591.08 | 218.64 | 34.65 | 5.50 | 2.05 | 0.10 | 0.02 | | |
| 22 | 7.87 | 275.64 | 77.24 | 55.02 | 36.12 | 369.84 | 268.96 | 34.65 | 4.76 | 3.01 | 0.10 | 0.02 | | |
| 23 | 4.76 | 895.41 | 69.34 | 45.22 | 37.60 | 275.64 | 203.67 | 26.17 | 4.76 | 2.52 | 0.10 | 0.02 | | |
| 24 | 6.27 | 317.94 | 166.04 | 31.76 | 33.20 | 292.81 | 166.04 | 23.48 | 4.05 | 0.82 | 0.08 | 0.02 | | |
| 25 | 5.50 | 168.87 | 310.71 | 42.13 | 30.34 | 230.79 | 134.48 | 21.11 | 4.05 | 0.48 | 0.08 | 0.01 | | |
| 26 | 8.70 | 116.93 | 429.20 | 26.17 | 40.61 | 1446.10 | 119.40 | 18.02 | 4.05 | 0.45 | 0.08 | 0.01 | | |
| 27 | 34.65 | 77.24 | 361.68 | 28.93 | 37.60 | 1829.18 | 100.60 | 17.02 | 3.52 | 0.42 | 0.08 | 0.01 | | |
| 28 | 24.82 | 93.89 | 310.71 | 31.76 | 37.60 | 1571.08 | 98.35 | 15.06 | 3.52 | 0.42 | 0.06 | 0.01 | | |
| 29 | 15.06 | 96.11 | 227.74 | 28.93 | 30.34 | 1300.02 | 89.48 | 14.10 | 3.52 | 0.39 | | 0.01 | | |
| 30 | 16.03 | 112.03 | 171.71 | 24.82 | 37.60 | 869.45 | 81.27 | 13.16 | 3.52 | 0.36 | | 0.01 | | |
| 31 | | 89.48 | | 22.17 | 30.34 | | 73.27 | | 3.01 | 0.33 | | 0.01 | | |
| Total | 171.60 | 3069.23 | 2745.11 | 2212.72 | 1039.34 | 11354.33 | 15168.94 | 1095.70 | 268.24 | 86.66 | 4.54 | 0.91 | 37217.32 | Tonday |
| Mean | 5.72 | 99.01 | 91.50 | 71.38 | 33.53 | 378.48 | 489.32 | 36.52 | 8.65 | 2.80 | 0.16 | 0.03 | | Ton/day |
| Max | 34.65 | 895.41 | 429.20 | 255.73 | 73.27 | 1829.18 | 1411.38 | 69.34 | 19.04 | 28.93 | 0.33 | 0.06 | 1829.18 | Ton/day |
| Min | 0.00 | 2.05 | 4.05 | 22.17 | 18.02 | 24.82 | 73.27 | 13.16 | 3.01 | 0.08 | 0.06 | 0.01 | 0.00 | Ton/day |

# WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Tan Dieo , Phetchabun (S.3)

Lat 16 - 46 - 51 N Long 101 - 14 - 57 E

**Location : on left bank near the bridge of Samakkhichai - Nonthakit Road.**

**Ban** Tan Dieo **Amphoe** Lom Sak **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 1,037 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1996-Cont'd |
| **Actual Measurement** | 1996-Cont'd |
| **Using Rating Curve Water Year** | 1996-2006 |
| **Number of observation** | 27 |
| **R-Square** | 0.7437 |
| **Remarks** | Continued Sediment Station |

$$QS = 16.4020\ QW^{1.55820}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 639.90 | 102.43 | 630.43 | 59955.39 | 84168.64 | 4053.07 | 829.21 | 338.68 | 176.85 | 44.59 | 27.71 | | |
| 2 | 0.00 | 288.69 | 80.69 | 253.11 | 15934.73 | 60463.23 | 2426.59 | 798.17 | 332.65 | 161.52 | 44.59 | 27.71 | | |
| 3 | 0.00 | 63.76 | 122.28 | 402.68 | 2164.06 | 15516.14 | 5966.57 | 767.54 | 327.41 | 150.64 | 44.59 | 24.69 | | |
| 4 | 0.00 | 63.76 | 99.00 | 229.67 | 1233.55 | 7000.01 | 11569.37 | 737.35 | 310.39 | 146.70 | 40.99 | 30.85 | | |
| 5 | 0.00 | 48.30 | 80.69 | 61.28 | 1130.63 | 4497.38 | 63542.34 | 688.01 | 299.47 | 132.39 | 40.99 | 30.85 | | |
| 6 | 0.00 | 32.47 | 66.69 | 44.59 | 556.51 | 2589.23 | 24876.82 | 630.43 | 283.71 | 122.28 | 44.59 | 24.69 | | |
| 7 | 0.00 | 24.69 | 102.43 | 216.01 | 343.99 | 4232.91 | 16281.55 | 668.62 | 283.71 | 122.28 | 44.59 | 24.69 | | |
| 8 | 0.00 | 20.39 | 63.76 | 125.44 | 234.29 | 2076.54 | 18655.77 | 649.42 | 283.71 | 125.44 | 44.59 | 24.69 | | |
| 9 | 0.00 | 29.26 | 48.30 | 410.75 | 173.27 | 2617.48 | 16040.00 | 630.43 | 283.71 | 129.17 | 44.59 | 27.71 | | |
| 10 | 0.00 | 35.79 | 35.79 | 125.44 | 538.55 | 1884.43 | 50058.35 | 621.01 | 283.71 | 118.62 | 44.59 | 26.18 | | |
| 11 | 0.00 | 35.79 | 50.96 | 707.60 | 283.71 | 32952.79 | 28119.92 | 611.64 | 283.71 | 125.44 | 44.59 | 24.69 | | |
| 12 | 0.00 | 83.88 | 53.28 | 136.19 | 202.64 | 17260.59 | 19231.08 | 611.64 | 283.71 | 125.44 | 42.78 | 23.22 | | |
| 13 | 0.00 | 150.64 | 37.50 | 494.58 | 154.05 | 8809.25 | 9548.81 | 583.84 | 273.13 | 118.62 | 46.43 | 23.22 | | |
| 14 | 0.00 | 96.10 | 32.47 | 185.31 | 338.68 | 4345.55 | 6072.55 | 565.57 | 262.71 | 115.52 | 50.96 | 23.22 | | |
| 15 | 0.00 | 63.76 | 20.39 | 96.10 | 9623.93 | 2373.23 | 3766.16 | 538.55 | 262.71 | 108.91 | 48.30 | 20.39 | | |
| 16 | 0.00 | 48.30 | 10.48 | 538.55 | 1968.99 | 2011.76 | 2925.66 | 520.80 | 238.95 | 89.91 | 48.30 | 20.39 | | |
| 17 | 0.00 | 74.89 | 1.89 | 122.28 | 2589.23 | 2230.53 | 2230.53 | 494.58 | 257.89 | 72.26 | 48.30 | 16.40 | | |
| 18 | 0.00 | 46.43 | 0.00 | 798.17 | 1174.01 | 2897.88 | 1905.44 | 477.37 | 257.89 | 56.04 | 42.78 | 12.73 | | |
| 19 | 0.00 | 40.99 | 0.00 | 3367.36 | 946.64 | 3641.48 | 1696.39 | 451.97 | 243.63 | 44.59 | 42.78 | 11.58 | | |
| 20 | 0.00 | 69.24 | 29.26 | 35420.64 | 2755.60 | 10619.57 | 1450.10 | 427.07 | 238.95 | 42.78 | 32.47 | 11.58 | | |
| 21 | 0.00 | 102.43 | 16.40 | 4121.34 | 2142.06 | 10541.74 | 1310.06 | 402.68 | 234.29 | 40.99 | 24.69 | 11.58 | | |
| 22 | 0.00 | 72.26 | 9.41 | 1115.53 | 2534.60 | 5861.26 | 1233.55 | 402.68 | 234.29 | 40.99 | 21.79 | 8.38 | | |
| 23 | 0.00 | 1746.47 | 44.59 | 1849.59 | 3829.07 | 5159.16 | 1144.64 | 402.68 | 234.29 | 40.99 | 21.79 | 6.46 | | |
| 24 | 0.00 | 9250.42 | 23.22 | 649.42 | 2252.85 | 3457.30 | 1072.95 | 443.61 | 234.29 | 40.99 | 24.69 | 10.48 | | |
| 25 | 0.00 | 2252.85 | 234.29 | 338.68 | 1233.55 | 2054.87 | 1044.52 | 427.07 | 234.29 | 40.99 | 26.18 | 11.58 | | |
| 26 | 0.00 | 787.91 | 1310.06 | 1233.55 | 1612.32 | 2230.53 | 1029.84 | 386.71 | 211.52 | 44.59 | 32.47 | 15.14 | | |
| 27 | 0.00 | 697.78 | 2840.98 | 4890.94 | 6888.46 | 1678.92 | 974.09 | 427.07 | 211.52 | 40.99 | 34.12 | 12.73 | | |
| 28 | 0.85 | 410.75 | 850.15 | 1596.48 | 16040.00 | 2454.21 | 935.73 | 355.46 | 207.06 | 39.23 | 27.71 | 11.58 | | |
| 29 | 6.46 | 176.85 | 294.42 | 717.47 | 5477.48 | 5524.69 | 903.29 | 343.99 | 198.26 | 39.23 | | 26.18 | | |
| 30 | 1.34 | 129.17 | 678.29 | 468.85 | 5861.26 | 5524.69 | 871.27 | 338.68 | 193.91 | 39.23 | | 15.14 | | |
| 31 | | 165.60 | | 4383.33 | 22284.70 | | 850.15 | | 189.59 | 39.23 | | 13.92 | | |
| Total | 8.65 | 17749.52 | 7340.10 | 65731.36 | 172458.80 | 316675.99 | 301787.16 | 16233.85 | 8013.74 | 2732.85 | 1099.83 | 600.36 | 910432.21 | Tonday |
| Mean | 0.29 | 572.57 | 244.67 | 2120.37 | 5563.19 | 10555.87 | 9735.07 | 541.13 | 258.51 | 88.16 | 39.28 | 19.37 | | Ton/day |
| Max | 6.46 | 9250.42 | 2840.98 | 35420.64 | 59955.39 | 84168.64 | 63542.34 | 829.21 | 338.68 | 176.85 | 50.96 | 30.85 | 84168.64 | Ton/day |
| Min | 0.00 | 20.39 | 0.00 | 44.59 | 154.05 | 1678.92 | 850.15 | 338.68 | 189.59 | 39.23 | 21.79 | 6.46 | 0.00 | Ton/day |

# WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Pa , Saraburi (S.9)

Lat 14 - 37 - 39 N Long 101 - 01 - 02 E

**Location : on left bank at Ban Mueang Nua railway bridge.**

**Ban** Pa **Amphoe** Kaeng Khoi **Changwat** Saraburi

| | |
|---|---|
| **Drainge Area** | 14,233 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1978-Cont'd |
| **Actual Measurement** | 1978-Cont'd |
| **Using Rating Curve Water Year** | 1978-2006 |
| **Number of observation** | 375 |
| **R-Square** | 0.8017 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.8352\ QW^{1.29270}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 695.24 | 495.63 | 753.74 | 404.47 | 2178.67 | 268.54 | 6371.01 | 5038.26 | 155.05 | 120.21 | 435.73 | 398.29 | | |
| 2 | 613.58 | 495.63 | 770.65 | 581.58 | 2178.67 | 259.34 | 7496.45 | 2007.02 | 150.98 | 120.21 | 435.73 | 404.47 | | |
| 3 | 573.64 | 495.63 | 796.17 | 518.76 | 2164.66 | 254.76 | 10591.66 | 629.73 | 146.94 | 120.21 | 429.44 | 404.47 | | |
| 4 | 557.83 | 429.44 | 779.14 | 613.58 | 2124.38 | 254.76 | 12053.05 | 325.79 | 142.92 | 314.04 | 385.98 | 398.29 | | |
| 5 | 557.83 | 416.91 | 770.65 | 662.30 | 2058.99 | 245.66 | 12433.52 | 201.35 | 138.93 | 379.86 | 385.98 | 392.12 | | |
| 6 | 448.38 | 423.16 | 944.23 | 670.50 | 2058.99 | 236.64 | 11791.22 | 163.26 | 138.93 | 442.04 | 385.98 | 355.60 | | |
| 7 | 379.86 | 423.16 | 1639.54 | 654.12 | 2058.99 | 232.16 | 10617.63 | 155.05 | 134.96 | 448.38 | 410.68 | 325.79 | | |
| 8 | 385.98 | 423.16 | 1676.77 | 662.30 | 2032.97 | 205.69 | 11646.32 | 150.98 | 138.93 | 448.38 | 423.16 | 302.38 | | |
| 9 | 367.68 | 435.73 | 1529.02 | 745.32 | 2032.97 | 218.83 | 14041.90 | 142.92 | 175.76 | 429.44 | 423.16 | 302.38 | | |
| 10 | 361.63 | 461.10 | 1456.33 | 762.19 | 1994.07 | 218.83 | 15015.43 | 159.15 | 227.70 | 429.44 | 423.16 | 302.38 | | |
| 11 | 361.63 | 461.10 | 1162.45 | 891.33 | 1968.23 | 245.66 | 16705.29 | 159.15 | 232.16 | 398.29 | 398.29 | 302.38 | | |
| 12 | 429.44 | 461.10 | 736.92 | 847.77 | 1955.34 | 273.17 | 17858.90 | 159.15 | 232.16 | 398.29 | 398.29 | 302.38 | | |
| 13 | 448.38 | 461.10 | 662.30 | 1024.86 | 1942.47 | 935.36 | 18095.70 | 150.98 | 232.16 | 379.86 | 398.29 | 302.38 | | |
| 14 | 448.38 | 461.10 | 435.73 | 1134.62 | 1929.62 | 1408.32 | 18061.06 | 155.05 | 120.21 | 379.86 | 398.29 | 296.59 | | |
| 15 | 454.73 | 461.10 | 392.12 | 1125.38 | 1916.79 | 1480.47 | 18026.45 | 155.05 | 120.21 | 373.76 | 398.29 | 343.60 | | |
| 16 | 473.91 | 454.73 | 379.86 | 1116.15 | 1444.29 | 1444.29 | 16639.90 | 155.05 | 120.21 | 373.76 | 398.29 | 349.59 | | |
| 17 | 503.32 | 448.38 | 379.86 | 1134.62 | 900.09 | 1432.28 | 15076.76 | 155.05 | 117.22 | 373.76 | 398.29 | 361.63 | | |
| 18 | 495.63 | 467.50 | 379.86 | 1162.45 | 435.73 | 1432.28 | 13500.87 | 150.98 | 117.22 | 373.76 | 398.29 | 361.63 | | |
| 19 | 429.44 | 518.76 | 429.44 | 1336.99 | 236.64 | 1577.93 | 13083.43 | 150.98 | 117.22 | 392.12 | 398.29 | 361.63 | | |
| 20 | 398.29 | 526.52 | 448.38 | 1516.85 | 227.70 | 2249.05 | 12698.49 | 150.98 | 114.25 | 385.98 | 367.68 | 361.63 | | |
| 21 | 379.86 | 518.76 | 423.16 | 2220.84 | 223.26 | 2828.58 | 10024.00 | 146.94 | 114.25 | 373.76 | 349.59 | 373.76 | | |
| 22 | 379.86 | 518.76 | 416.91 | 2178.67 | 210.05 | 3067.08 | 6603.36 | 146.94 | 114.25 | 373.76 | 337.64 | 373.76 | | |
| 23 | 379.86 | 487.98 | 410.68 | 2045.97 | 175.76 | 3589.96 | 5198.41 | 123.21 | 114.25 | 361.63 | 319.90 | 503.32 | | |
| 24 | 367.68 | 565.72 | 423.16 | 1994.07 | 192.73 | 3942.90 | 3858.19 | 131.02 | 114.25 | 349.59 | 314.04 | 518.76 | | |
| 25 | 337.64 | 589.54 | 495.63 | 1955.34 | 218.83 | 3673.31 | 4800.19 | 146.94 | 114.25 | 379.86 | 343.60 | 518.76 | | |
| 26 | 410.68 | 703.53 | 503.32 | 1994.07 | 197.03 | 3391.70 | 5974.19 | 146.94 | 114.25 | 392.12 | 361.63 | 518.76 | | |
| 27 | 423.16 | 745.32 | 398.29 | 1942.47 | 188.45 | 2987.09 | 6371.01 | 146.94 | 114.25 | 385.98 | 361.63 | 461.10 | | |
| 28 | 423.16 | 736.92 | 302.38 | 1929.62 | 218.83 | 2939.33 | 6392.05 | 150.98 | 120.21 | 385.98 | 385.98 | 461.10 | | |
| 29 | 454.73 | 728.54 | 296.59 | 2072.03 | 214.43 | 3260.97 | 6392.05 | 146.94 | 120.21 | 410.68 | | 423.16 | | |
| 30 | 487.98 | 695.24 | 296.59 | 2206.76 | 214.43 | 4538.44 | 6455.28 | 146.94 | 120.21 | 416.91 | | 423.16 | | |
| 31 | | 745.32 | | 2206.76 | 227.70 | | 6307.97 | | 120.21 | 435.73 | | 385.98 | | |
| Total | 13429.41 | 16256.57 | 20489.87 | 40312.74 | 36121.76 | 49093.38 | 340181.74 | 11949.72 | 4354.71 | 11347.65 | 10865.30 | 11891.23 | 566294.08 | Tonday |
| Mean | 447.65 | 524.41 | 683.00 | 1300.41 | 1165.22 | 1636.45 | 10973.60 | 398.32 | 140.47 | 366.05 | 388.05 | 383.59 | | Ton/day |
| Max | 695.24 | 745.32 | 1676.77 | 2220.84 | 2178.67 | 4538.44 | 18095.70 | 5038.26 | 232.16 | 448.38 | 435.73 | 518.76 | 18095.70 | Ton/day |
| Min | 337.64 | 416.91 | 296.59 | 404.47 | 175.76 | 205.69 | 3858.19 | 123.21 | 114.25 | 120.21 | 314.04 | 296.59 | 114.25 | Ton/day |

# WATER YEAR : 2006

## PASAK RIVER BASIN

### Lam Kong at Ban Tha Lao, Phetchabun (S.12)

Lat 15 - 59 - 50 N Long 101 - 14 - 31 E

**Location : on left bank at Ban Tha Lao.**

**Ban** Tha Lao **Amphoe** Nong Phai **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 477 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1996-Cont'd |
| **Actual Measurement** | 1996-Cont'd |
| **Using Rating Curve Water Year** | 1996-2006 |
| **Number of observation** | 317 |
| **R-Square** | 0.7732 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.4458\ QW^{1.79000}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.88 | 1.30 | 31.38 | 50.50 | 10518.35 | 3194.28 | 253.68 | 105.96 | 44.66 | 22.34 | 15.29 | 36.40 | | |
| 2 | 1.30 | 1.30 | 9.44 | 22.34 | 1069.33 | 1092.49 | 2202.71 | 100.60 | 41.74 | 22.34 | 15.29 | 19.17 | | |
| 3 | 0.83 | 1.06 | 6.67 | 244.72 | 302.30 | 398.25 | 8297.60 | 90.26 | 39.15 | 22.34 | 15.29 | 18.16 | | |
| 4 | 0.63 | 0.63 | 4.51 | 53.40 | 282.51 | 263.32 | 4105.88 | 85.27 | 36.40 | 22.34 | 15.29 | 17.18 | | |
| 5 | 0.46 | 0.31 | 3.25 | 244.72 | 200.64 | 193.52 | 1405.34 | 85.27 | 33.95 | 21.26 | 15.29 | 16.22 | | |
| 6 | 0.31 | 1.30 | 2.52 | 2588.73 | 105.96 | 166.16 | 2000.21 | 85.27 | 33.95 | 21.26 | 15.29 | 15.29 | | |
| 7 | 0.18 | 0.83 | 2.18 | 95.37 | 85.27 | 146.85 | 4561.06 | 80.41 | 33.95 | 21.26 | 15.29 | 15.29 | | |
| 8 | 0.09 | 0.46 | 1.57 | 47.41 | 66.30 | 128.61 | 1806.39 | 80.41 | 33.95 | 20.20 | 15.29 | 15.29 | | |
| 9 | 2.88 | 0.46 | 1.30 | 73.20 | 53.40 | 159.60 | 1377.20 | 76.93 | 33.95 | 20.20 | 15.29 | 15.29 | | |
| 10 | 1.06 | 4.97 | 1.87 | 179.61 | 50.50 | 354.03 | 10381.32 | 76.93 | 33.95 | 20.20 | 15.29 | 15.29 | | |
| 11 | 0.46 | 10.20 | 4.07 | 443.39 | 41.74 | 354.03 | 2544.48 | 73.20 | 31.38 | 19.17 | 15.29 | 15.29 | | |
| 12 | 0.31 | 5.45 | 2.52 | 95.37 | 41.74 | 217.71 | 1213.67 | 69.86 | 31.38 | 19.17 | 14.38 | 15.29 | | |
| 13 | 0.18 | 1.57 | 2.52 | 53.40 | 39.15 | 166.16 | 794.57 | 66.30 | 31.38 | 19.17 | 14.38 | 15.29 | | |
| 14 | 0.18 | 4.51 | 1.87 | 31.38 | 33.95 | 117.04 | 607.76 | 63.10 | 31.38 | 19.17 | 14.38 | 15.29 | | |
| 15 | 0.63 | 1.87 | 1.06 | 146.85 | 56.64 | 332.79 | 539.28 | 63.10 | 31.38 | 18.16 | 14.38 | 14.38 | | |
| 16 | 2.18 | 1.06 | 0.83 | 41.74 | 3671.95 | 272.56 | 398.25 | 63.10 | 29.09 | 18.16 | 14.38 | 14.38 | | |
| 17 | 1.30 | 0.83 | 0.63 | 1806.39 | 226.73 | 263.32 | 375.85 | 59.69 | 26.69 | 18.16 | 14.38 | 14.38 | | |
| 18 | 1.06 | 1.06 | 0.46 | 814.01 | 134.57 | 140.65 | 322.68 | 59.69 | 26.69 | 18.16 | 14.38 | 14.38 | | |
| 19 | 0.83 | 1.57 | 5.45 | 312.12 | 105.96 | 387.30 | 272.56 | 56.64 | 26.69 | 18.16 | 14.38 | 14.38 | | |
| 20 | 134.57 | 2.88 | 4.07 | 217.71 | 95.37 | 272.56 | 235.39 | 56.64 | 26.69 | 18.16 | 14.38 | 14.38 | | |
| 21 | 7.32 | 5.45 | 18.16 | 122.77 | 140.65 | 895.70 | 235.39 | 69.86 | 24.56 | 18.16 | 14.38 | 14.38 | | |
| 22 | 2.88 | 4.97 | 14.38 | 134.57 | 980.82 | 589.92 | 217.71 | 59.69 | 24.56 | 18.16 | 14.38 | 13.49 | | |
| 23 | 4.07 | 3.25 | 10.99 | 63.10 | 146.85 | 1294.30 | 193.52 | 59.69 | 24.56 | 18.16 | 14.38 | 13.49 | | |
| 24 | 18.16 | 3.65 | 122.77 | 39.15 | 122.77 | 794.57 | 159.60 | 56.64 | 24.56 | 18.16 | 14.38 | 13.49 | | |
| 25 | 2.52 | 6.04 | 343.64 | 29.09 | 85.27 | 375.85 | 146.85 | 53.40 | 24.56 | 18.16 | 14.38 | 12.63 | | |
| 26 | 2.88 | 9.44 | 427.88 | 2633.31 | 128.61 | 365.18 | 140.65 | 53.40 | 24.56 | 18.16 | 14.38 | 12.63 | | |
| 27 | 2.52 | 4.07 | 17419.48 | 522.36 | 1882.87 | 427.88 | 134.57 | 50.50 | 26.69 | 17.18 | 18.16 | 12.63 | | |
| 28 | 2.52 | 2.88 | 413.28 | 159.60 | 217.71 | 365.18 | 122.77 | 47.41 | 24.56 | 17.18 | 200.64 | 12.63 | | |
| 29 | 2.18 | 2.52 | 834.56 | 80.41 | 146.85 | 322.68 | 117.04 | 44.66 | 24.56 | 16.22 | | 11.80 | | |
| 30 | 2.18 | 2.52 | 111.44 | 625.05 | 235.39 | 375.85 | 111.44 | 44.66 | 24.56 | 15.29 | | 15.29 | | |
| 31 | | 1882.87 | | 200.64 | 24916.62 | | 111.44 | | 24.56 | 15.29 | | 15.29 | | |
| Total | 199.55 | 1971.28 | 19804.75 | 12172.41 | 46186.77 | 14428.34 | 45386.86 | 2038.54 | 930.69 | 589.50 | 602.69 | 478.77 | 144790.15 | Tonday |
| Mean | 6.65 | 63.59 | 660.16 | 392.66 | 1489.90 | 480.94 | 1464.09 | 67.95 | 30.02 | 19.02 | 21.52 | 15.44 | | Ton/day |
| Max | 134.57 | 1882.87 | 17419.48 | 2633.31 | 24916.62 | 3194.28 | 10381.32 | 105.96 | 44.66 | 22.34 | 200.64 | 36.40 | 24916.62 | Ton/day |
| Min | 0.09 | 0.31 | 0.46 | 22.34 | 33.95 | 117.04 | 111.44 | 44.66 | 24.56 | 15.29 | 14.38 | 11.80 | 0.09 | Ton/day |

# WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Kham Phran, Lop Buri (S.28A)

Lat 14 - 50 - 21 N Long 101 - 04 - 08 E

**Location : n left bank at Ban Kam Pran.**

**Ban** Kham Phran **Amphoe** Wang Muang **Changwat** Lop Buri

| | |
|---|---|
| **Drainge Area** | 12,843 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2003-Cont'd |
| **Actual Measurement** | 2003-Cont'd |
| **Using Rating Curve Water Year** | 2003-2006 |
| **Number of observation** | 45 |
| **R-Square** | 0.8779 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.4416\ QW^{1.09650}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 177.29 | 143.63 | 207.96 | 114.79 | 625.73 | 70.58 | 1993.97 | 705.54 | 33.18 | 31.16 | 149.39 | 135.61 | | |
| 2 | 174.95 | 130.85 | 210.34 | 121.38 | 622.24 | 72.38 | 2125.72 | 303.66 | 32.50 | 31.16 | 148.24 | 135.61 | | |
| 3 | 170.28 | 130.85 | 210.34 | 136.75 | 618.76 | 73.29 | 2749.20 | 124.21 | 32.50 | 66.10 | 148.24 | 135.61 | | |
| 4 | 169.11 | 129.90 | 210.34 | 179.63 | 613.53 | 68.78 | 2767.09 | 66.10 | 32.50 | 122.32 | 147.08 | 135.61 | | |
| 5 | 160.96 | 128.95 | 220.26 | 181.98 | 610.05 | 63.42 | 2771.56 | 39.29 | 32.50 | 142.48 | 147.08 | 135.61 | | |
| 6 | 127.05 | 128.95 | 399.40 | 184.33 | 606.57 | 64.31 | 2642.06 | 37.92 | 32.50 | 156.33 | 145.93 | 135.61 | | |
| 7 | 124.21 | 128.00 | 513.28 | 186.68 | 604.83 | 66.10 | 2650.97 | 37.24 | 32.50 | 156.33 | 144.78 | 135.61 | | |
| 8 | 125.16 | 130.85 | 448.50 | 189.04 | 601.35 | 66.99 | 3038.67 | 36.56 | 36.56 | 156.33 | 144.78 | 135.61 | | |
| 9 | 124.21 | 141.33 | 428.84 | 206.77 | 601.35 | 67.89 | 3322.01 | 36.56 | 71.48 | 156.33 | 144.78 | 135.61 | | |
| 10 | 124.21 | 141.33 | 405.27 | 224.44 | 601.35 | 69.68 | 3448.52 | 35.88 | 71.48 | 156.33 | 144.78 | 135.61 | | |
| 11 | 137.89 | 141.33 | 234.23 | 228.63 | 599.61 | 70.58 | 3697.66 | 35.88 | 71.48 | 155.17 | 143.63 | 135.61 | | |
| 12 | 155.17 | 140.19 | 199.66 | 245.45 | 590.92 | 136.75 | 3743.59 | 35.88 | 51.92 | 155.17 | 142.48 | 135.61 | | |
| 13 | 155.17 | 139.04 | 162.13 | 330.98 | 582.25 | 361.41 | 3712.96 | 35.20 | 30.49 | 154.01 | 142.48 | 135.61 | | |
| 14 | 154.01 | 140.19 | 115.72 | 333.87 | 568.39 | 425.89 | 3677.27 | 35.20 | 29.16 | 154.01 | 142.48 | 133.70 | | |
| 15 | 151.70 | 137.89 | 113.85 | 330.98 | 477.38 | 424.41 | 3585.61 | 35.20 | 29.16 | 154.01 | 142.48 | 131.80 | | |
| 16 | 151.70 | 136.75 | 111.97 | 329.54 | 312.26 | 419.99 | 3322.01 | 35.20 | 29.16 | 152.85 | 141.33 | 130.85 | | |
| 17 | 150.54 | 136.75 | 111.03 | 333.87 | 155.17 | 421.46 | 3033.91 | 35.20 | 29.16 | 152.85 | 141.33 | 129.90 | | |
| 18 | 137.89 | 139.04 | 110.10 | 354.14 | 87.85 | 421.46 | 2934.07 | 34.53 | 29.16 | 151.70 | 141.33 | 129.90 | | |
| 19 | 124.21 | 152.85 | 114.79 | 417.04 | 61.64 | 467.17 | 2892.62 | 34.53 | 29.16 | 151.70 | 141.33 | 130.85 | | |
| 20 | 123.27 | 142.48 | 117.61 | 455.28 | 64.31 | 578.78 | 2700.04 | 34.53 | 29.16 | 151.70 | 140.19 | 129.90 | | |
| 21 | 123.27 | 145.93 | 112.91 | 551.12 | 64.31 | 791.95 | 1793.71 | 34.53 | 29.16 | 150.54 | 141.33 | 128.95 | | |
| 22 | 122.32 | 140.19 | 113.85 | 561.48 | 64.31 | 870.21 | 1240.88 | 33.85 | 29.16 | 150.54 | 140.19 | 155.17 | | |
| 23 | 122.32 | 142.48 | 111.03 | 556.30 | 64.31 | 1042.24 | 980.81 | 33.85 | 29.16 | 150.54 | 139.04 | 177.29 | | |
| 24 | 121.38 | 143.63 | 116.67 | 554.57 | 65.20 | 1042.24 | 1023.09 | 33.85 | 29.16 | 150.54 | 139.04 | 177.29 | | |
| 25 | 127.05 | 169.11 | 114.79 | 570.12 | 65.20 | 919.72 | 1397.37 | 33.85 | 29.16 | 150.54 | 137.89 | 176.12 | | |
| 26 | 149.39 | 213.90 | 112.91 | 556.30 | 64.31 | 698.94 | 1600.85 | 33.85 | 29.82 | 149.39 | 137.89 | 174.95 | | |
| 27 | 149.39 | 213.90 | 97.07 | 552.84 | 59.86 | 653.70 | 1636.42 | 33.85 | 31.16 | 149.39 | 137.89 | 174.95 | | |
| 28 | 148.24 | 207.96 | 80.54 | 564.94 | 66.99 | 820.94 | 1639.98 | 33.85 | 31.16 | 149.39 | 136.75 | 173.78 | | |
| 29 | 148.24 | 203.21 | 80.54 | 629.22 | 67.89 | 931.01 | 1629.30 | 33.85 | 31.16 | 149.39 | | 172.61 | | |
| 30 | 147.08 | 205.58 | 95.22 | 634.46 | 70.58 | 1572.45 | 1611.51 | 33.85 | 31.16 | 149.39 | | 166.78 | | |
| 31 | | 216.29 | | 629.22 | 70.58 | | 1489.39 | | 31.16 | 148.24 | | 144.78 | | |
| Total | 4277.66 | 4743.33 | 5681.15 | 11446.14 | 10329.08 | 13754.72 | 76852.82 | 2113.49 | 1097.13 | 4355.93 | 3994.16 | 4502.50 | 143148.11 | Tonday |
| Mean | 142.59 | 153.01 | 189.37 | 369.23 | 333.20 | 458.49 | 2479.12 | 70.45 | 35.39 | 140.51 | 142.65 | 145.24 | | Ton/day |
| Max | 177.29 | 216.29 | 513.28 | 634.46 | 625.73 | 1572.45 | 3743.59 | 705.54 | 71.48 | 156.33 | 149.39 | 177.29 | 3743.59 | Ton/day |
| Min | 121.38 | 128.00 | 80.54 | 114.79 | 59.86 | 63.42 | 980.81 | 33.85 | 29.16 | 31.16 | 136.75 | 128.95 | 29.16 | Ton/day |

# WATER YEAR : 2006

## PASAK RIVER BASIN

### Pasak River at Ban Non Thong , Phetchabun (S.36)

Lat 16 - 43 - 42 N Long 101 - 14 - 32 E

**Location : on right bank at Ban Non Thong.**

**Ban** Non Thong **Amphoe** Lom Sak **Changwat** Phetchabun

| | |
|---|---|
| **Drainge Area** | 1,775 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2001-Cont'd |
| **Actual Measurement** | 2001-Cont'd |
| **Using Rating Curve Water Year** | 2001-2006 |
| **Number of observation** | 62 |
| **R-Square** | 0.7599 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.4964\ QW^{1.56950}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 39.61 | 100.73 | 439.33 | 9923.76 | 17748.77 | 10435.90 | 358.56 | 61.60 | 17.53 | 2.18 | 0.00 | | |
| 2 | 0.00 | 75.83 | 91.09 | 255.85 | 11071.11 | 31849.89 | 5827.18 | 235.36 | 56.22 | 13.35 | 2.18 | 0.00 | | |
| 3 | 0.00 | 30.41 | 61.60 | 81.81 | 2980.02 | 23381.30 | 7816.85 | 210.64 | 56.22 | 9.68 | 2.86 | 0.00 | | |
| 4 | 0.00 | 17.53 | 54.12 | 78.80 | 1441.20 | 12790.43 | 11799.56 | 182.84 | 56.22 | 9.68 | 6.38 | 0.00 | | |
| 5 | 0.00 | 13.35 | 35.79 | 26.95 | 911.49 | 4008.72 | 17627.87 | 177.46 | 45.67 | 9.68 | 0.51 | 0.00 | | |
| 6 | 0.00 | 7.45 | 26.95 | 17.53 | 366.19 | 1424.06 | 21612.14 | 161.66 | 39.61 | 9.68 | 0.00 | 0.00 | | |
| 7 | 0.00 | 0.98 | 34.01 | 56.22 | 235.36 | 1652.64 | 18886.73 | 182.84 | 39.61 | 8.50 | 0.00 | 0.00 | | |
| 8 | 0.00 | 0.98 | 17.53 | 117.56 | 151.42 | 1406.99 | 15966.98 | 166.86 | 39.61 | 18.94 | 0.18 | 0.00 | | |
| 9 | 0.00 | 0.18 | 12.11 | 335.33 | 91.09 | 1799.34 | 14538.41 | 161.66 | 39.61 | 14.73 | 2.18 | 0.00 | | |
| 10 | 0.00 | 0.51 | 7.45 | 204.96 | 104.02 | 2086.40 | 24308.62 | 151.42 | 39.61 | 16.06 | 1.51 | 0.00 | | |
| 11 | 0.00 | 3.68 | 10.82 | 616.73 | 107.35 | 8504.28 | 26251.42 | 141.43 | 37.76 | 25.22 | 2.86 | 0.00 | | |
| 12 | 0.00 | 14.73 | 16.06 | 222.15 | 100.73 | 16908.76 | 23990.12 | 141.43 | 35.79 | 22.00 | 3.68 | 0.00 | | |
| 13 | 0.00 | 47.65 | 8.50 | 177.46 | 91.09 | 14142.97 | 17266.96 | 117.56 | 35.79 | 22.00 | 5.45 | 0.00 | | |
| 14 | 0.00 | 23.65 | 5.45 | 97.48 | 97.48 | 10435.90 | 9111.67 | 131.69 | 35.79 | 22.00 | 2.86 | 0.00 | | |
| 15 | 0.00 | 20.51 | 3.68 | 56.22 | 2286.21 | 4833.79 | 3218.14 | 117.56 | 34.01 | 16.06 | 2.18 | 0.00 | | |
| 16 | 0.00 | 7.45 | 1.51 | 210.64 | 1545.60 | 4277.51 | 1893.31 | 114.12 | 32.12 | 26.95 | 1.51 | 0.00 | | |
| 17 | 0.00 | 12.11 | 0.18 | 136.53 | 1707.12 | 5713.50 | 1339.47 | 100.73 | 26.95 | 18.94 | 2.86 | 0.00 | | |
| 18 | 0.00 | 10.82 | 0.00 | 210.64 | 1258.41 | 6625.45 | 1198.97 | 104.02 | 26.95 | 16.06 | 2.18 | 0.00 | | |
| 19 | 0.00 | 5.45 | 0.00 | 1097.21 | 659.34 | 8384.64 | 960.45 | 100.73 | 25.22 | 14.73 | 0.51 | 0.00 | | |
| 20 | 0.00 | 2.18 | 0.00 | 7294.56 | 2205.49 | 13171.83 | 770.28 | 94.27 | 22.00 | 35.79 | 0.00 | 0.00 | | |
| 21 | 0.00 | 25.22 | 2.18 | 3380.55 | 1931.39 | 17991.48 | 606.24 | 117.56 | 22.00 | 20.51 | 0.00 | 0.00 | | |
| 22 | 0.00 | 110.72 | 9.68 | 899.39 | 2902.13 | 14637.88 | 616.73 | 117.56 | 22.00 | 12.11 | 0.00 | 0.00 | | |
| 23 | 0.00 | 1184.00 | 6.38 | 781.72 | 3271.96 | 11215.45 | 564.95 | 117.56 | 20.51 | 14.73 | 0.00 | 0.00 | | |
| 24 | 0.00 | 3685.76 | 9.68 | 406.31 | 2456.33 | 6536.03 | 490.60 | 110.72 | 20.51 | 17.53 | 0.00 | 0.00 | | |
| 25 | 0.00 | 1707.12 | 7.45 | 161.66 | 1373.08 | 2615.90 | 439.33 | 91.09 | 20.51 | 18.94 | 0.00 | 0.00 | | |
| 26 | 0.00 | 490.60 | 172.13 | 117.56 | 1373.08 | 2639.40 | 398.02 | 84.87 | 20.51 | 18.94 | 0.00 | 0.00 | | |
| 27 | 0.00 | 390.15 | 863.46 | 1893.31 | 4345.69 | 4041.97 | 366.19 | 78.80 | 18.94 | 20.51 | 0.00 | 0.00 | | |
| 28 | 0.00 | 366.19 | 999.28 | 1424.06 | 6270.41 | 3518.09 | 350.64 | 64.36 | 18.94 | 9.68 | 0.00 | 0.00 | | |
| 29 | 0.00 | 235.36 | 544.70 | 702.96 | 5121.09 | 6850.93 | 366.19 | 61.60 | 18.94 | 8.50 | | 0.00 | | |
| 30 | 0.00 | 235.36 | 464.52 | 464.52 | 3799.10 | 12413.11 | 358.56 | 58.89 | 18.94 | 6.38 | | 0.00 | | |
| 31 | | 177.46 | | 670.15 | 7869.79 | | 350.64 | | 18.94 | 2.18 | | 0.00 | | |
| Total | 0.00 | 8943.00 | 3567.04 | 22636.15 | 78048.53 | 273607.41 | 239729.12 | 4055.85 | 1007.10 | 497.59 | 42.07 | 0.00 | 632133.86 | Tonday |
| Mean | 0.00 | 288.48 | 118.90 | 730.20 | 2517.69 | 9120.25 | 7733.20 | 135.19 | 32.49 | 16.05 | 1.50 | 0.00 | | Ton/day |
| Max | 0.00 | 3685.76 | 999.28 | 7294.56 | 11071.11 | 31849.89 | 26251.42 | 358.56 | 61.60 | 35.79 | 6.38 | 0.00 | 31849.89 | Ton/day |
| Min | 0.00 | 0.18 | 0.00 | 17.53 | 91.09 | 1406.99 | 350.64 | 58.89 | 18.94 | 2.18 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Lam Ta Phoen at Ban Thung Na Nang Rok , Kanchanaburi (K.12)

Lat 14 - 09 - 17 N Long 99 - 25 - 07 E

**Location : on left bank about 50 meters downstream from Wat Thung Na Nang Rok.**

**Ban** Thung Na Nang Rok **Amphoe** Mueang **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 2,375 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8659 |
| **Remarks** | Continued Sediment Station |

$$QS = 7.5660\ QW^{1.29140}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.16 | 32.07 | 51.87 | 185.28 | 26.89 | 17.21 | 395.33 | 112.74 | 25.47 | 17.21 | 10.93 | 6.51 | | |
| 2 | 8.66 | 32.75 | 63.61 | 161.51 | 23.94 | 15.93 | 419.35 | 100.32 | 26.12 | 17.21 | 10.41 | 6.51 | | |
| 3 | 9.27 | 25.47 | 78.17 | 140.40 | 24.70 | 16.51 | 458.43 | 95.10 | 26.89 | 15.93 | 10.41 | 5.95 | | |
| 4 | 9.27 | 19.24 | 62.03 | 134.76 | 26.89 | 15.24 | 540.13 | 89.94 | 30.46 | 15.24 | 9.78 | 5.95 | | |
| 5 | 8.66 | 19.24 | 51.87 | 140.40 | 26.89 | 14.67 | 684.87 | 83.17 | 31.26 | 15.93 | 9.78 | 5.95 | | |
| 6 | 8.66 | 16.51 | 45.33 | 131.03 | 26.89 | 12.77 | 838.32 | 68.39 | 26.12 | 14.67 | 9.78 | 5.49 | | |
| 7 | 7.57 | 15.93 | 40.56 | 114.54 | 24.70 | 12.77 | 1047.18 | 59.53 | 24.70 | 14.67 | 9.78 | 5.49 | | |
| 8 | 6.51 | 16.51 | 37.31 | 96.83 | 23.94 | 12.12 | 1091.98 | 57.82 | 24.70 | 14.67 | 9.27 | 5.95 | | |
| 9 | 6.51 | 20.58 | 35.77 | 81.50 | 25.47 | 15.24 | 898.15 | 54.45 | 24.70 | 15.24 | 8.16 | 6.51 | | |
| 10 | 6.51 | 27.55 | 34.25 | 66.79 | 23.94 | 16.51 | 915.41 | 51.87 | 24.70 | 14.67 | 9.27 | 6.51 | | |
| 11 | 6.98 | 20.58 | 32.75 | 62.03 | 23.31 | 17.80 | 1164.52 | 49.47 | 23.31 | 13.99 | 9.78 | 6.51 | | |
| 12 | 8.16 | 31.26 | 29.79 | 59.53 | 22.56 | 20.58 | 1651.92 | 47.83 | 23.31 | 13.44 | 9.27 | 6.51 | | |
| 13 | 8.16 | 31.26 | 26.89 | 55.36 | 21.19 | 23.94 | 3565.44 | 44.45 | 21.93 | 12.77 | 8.16 | 6.51 | | |
| 14 | 13.44 | 20.58 | 26.12 | 51.11 | 21.93 | 37.31 | 5196.63 | 43.72 | 21.19 | 12.12 | 8.16 | 6.51 | | |
| 15 | 14.67 | 29.79 | 25.47 | 46.94 | 23.31 | 51.11 | 5079.60 | 40.56 | 21.19 | 11.58 | 8.66 | 6.51 | | |
| 16 | 26.89 | 26.12 | 23.94 | 44.45 | 23.94 | 132.89 | 4042.51 | 39.70 | 19.84 | 12.77 | 7.57 | 5.95 | | |
| 17 | 13.99 | 98.57 | 22.56 | 44.45 | 21.93 | 228.55 | 2552.23 | 38.99 | 19.24 | 12.77 | 7.57 | 5.95 | | |
| 18 | 13.44 | 114.54 | 22.56 | 42.86 | 19.84 | 197.43 | 1628.24 | 38.15 | 18.52 | 12.77 | 6.98 | 5.95 | | |
| 19 | 12.12 | 118.16 | 24.70 | 41.27 | 20.58 | 173.31 | 1119.06 | 36.61 | 18.52 | 13.44 | 6.51 | 5.95 | | |
| 20 | 17.21 | 83.17 | 24.70 | 42.13 | 18.52 | 144.19 | 846.81 | 34.25 | 18.52 | 12.77 | 6.51 | 6.51 | | |
| 21 | 17.21 | 86.54 | 23.94 | 41.27 | 17.80 | 107.38 | 631.35 | 35.77 | 17.80 | 12.12 | 6.51 | 6.51 | | |
| 22 | 17.21 | 83.17 | 32.75 | 39.70 | 18.52 | 81.50 | 478.26 | 35.08 | 17.80 | 12.77 | 6.98 | 6.51 | | |
| 23 | 20.58 | 68.39 | 102.08 | 36.61 | 17.80 | 66.79 | 409.70 | 34.25 | 17.21 | 13.99 | 6.98 | 10.41 | | |
| 24 | 24.70 | 59.53 | 247.70 | 35.08 | 15.93 | 66.79 | 348.28 | 33.57 | 17.21 | 12.77 | 6.98 | 37.31 | | |
| 25 | 48.57 | 56.13 | 357.59 | 34.25 | 17.21 | 58.75 | 287.00 | 32.75 | 16.51 | 11.58 | 6.51 | 37.31 | | |
| 26 | 51.87 | 51.11 | 273.75 | 31.26 | 15.93 | 57.05 | 247.70 | 32.75 | 16.51 | 11.58 | 6.51 | 30.46 | | |
| 27 | 41.27 | 45.33 | 329.85 | 30.46 | 16.51 | 58.75 | 212.86 | 30.46 | 15.93 | 10.93 | 6.51 | 24.70 | | |
| 28 | 35.08 | 42.13 | 409.70 | 28.99 | 17.21 | 70.00 | 191.33 | 31.26 | 15.93 | 10.93 | 6.51 | 18.52 | | |
| 29 | 33.57 | 46.21 | 320.72 | 28.33 | 19.84 | 155.69 | 163.47 | 28.33 | 15.93 | 10.93 | | 14.67 | | |
| 30 | 26.89 | 46.21 | 231.71 | 28.99 | 18.52 | 298.15 | 142.29 | 27.55 | 15.24 | 10.93 | | 12.12 | | |
| 31 | | 46.94 | | 29.79 | 17.21 | | 123.64 | | 15.24 | 11.58 | | 9.78 | | |
| Total | 531.79 | 1431.57 | 3090.04 | 2107.90 | 663.84 | 2196.93 | 37371.99 | 1508.83 | 652.00 | 413.97 | 230.23 | 331.98 | 50531.07 | Tonday |
| Mean | 17.73 | 46.18 | 103.00 | 68.00 | 21.41 | 73.23 | 1205.55 | 50.29 | 21.03 | 13.35 | 8.22 | 10.71 | | Ton/day |
| Max | 51.87 | 118.16 | 409.70 | 185.28 | 26.89 | 298.15 | 5196.63 | 112.74 | 31.26 | 17.21 | 10.93 | 37.31 | 5196.63 | Ton/day |
| Min | 6.51 | 15.93 | 22.56 | 28.33 | 15.93 | 12.12 | 123.64 | 27.55 | 15.24 | 10.93 | 6.51 | 5.49 | 5.49 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Nam Noi at Ban Sai Yok, Kanchanaburi (K.22B)

Lat 14 - 26 - 59 N Long 98 - 48 - 08 E

**Location : on right bank about 640 meters upstream from station K.22A**

**Ban** Sai Yok **Amphoe** Sai Yok **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 311 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1999-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.8188 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.7536\ QW^{1.62620}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.46 | 23.54 | 26.37 | 1260.99 | 195.39 | 181.02 | 90.50 | 29.32 | 12.05 | 5.00 | 2.33 | 1.46 | | |
| 2 | 1.46 | 10.32 | 20.83 | 3761.63 | 181.02 | 160.26 | 75.53 | 27.83 | 12.05 | 5.00 | 2.33 | 1.46 | | |
| 3 | 1.30 | 6.05 | 15.82 | 1783.23 | 154.98 | 144.64 | 82.88 | 26.37 | 12.05 | 5.00 | 2.33 | 1.46 | | |
| 4 | 1.15 | 4.02 | 15.82 | 862.42 | 139.57 | 134.57 | 71.95 | 26.37 | 11.18 | 5.00 | 2.33 | 1.30 | | |
| 5 | 1.01 | 2.33 | 15.82 | 1078.47 | 139.57 | 124.79 | 86.66 | 24.94 | 11.18 | 5.00 | 2.33 | 1.30 | | |
| 6 | 0.88 | 2.14 | 15.82 | 491.74 | 217.74 | 115.29 | 75.53 | 24.94 | 10.32 | 5.00 | 2.14 | 1.30 | | |
| 7 | 0.88 | 2.14 | 17.02 | 616.09 | 202.74 | 106.50 | 71.95 | 23.54 | 10.32 | 4.50 | 2.14 | 1.30 | | |
| 8 | 0.88 | 2.14 | 13.89 | 844.04 | 298.75 | 106.50 | 75.53 | 23.54 | 10.32 | 4.50 | 2.14 | 1.30 | | |
| 9 | 0.88 | 1.96 | 14.84 | 937.44 | 1312.65 | 94.41 | 71.95 | 22.17 | 9.50 | 4.50 | 2.14 | 1.30 | | |
| 10 | 1.01 | 2.14 | 13.89 | 8933.38 | 825.82 | 94.41 | 69.13 | 22.17 | 9.50 | 4.50 | 2.14 | 1.30 | | |
| 11 | 0.88 | 14.84 | 24.94 | 1942.07 | 2791.64 | 86.66 | 90.50 | 20.83 | 9.50 | 4.02 | 1.96 | 1.15 | | |
| 12 | 0.88 | 11.18 | 19.53 | 807.75 | 1056.44 | 86.66 | 90.50 | 20.83 | 8.70 | 4.02 | 1.96 | 1.15 | | |
| 13 | 0.75 | 9.50 | 20.83 | 719.73 | 685.62 | 134.57 | 75.53 | 19.53 | 8.70 | 4.02 | 1.96 | 1.15 | | |
| 14 | 1.01 | 4.50 | 20.83 | 565.06 | 719.73 | 98.37 | 75.53 | 19.53 | 8.70 | 3.56 | 1.96 | 1.15 | | |
| 15 | 2.33 | 6.61 | 17.02 | 503.69 | 616.09 | 106.50 | 66.36 | 18.26 | 7.93 | 3.56 | 1.96 | 1.15 | | |
| 16 | 22.17 | 20.83 | 13.89 | 491.74 | 515.75 | 173.99 | 63.63 | 18.26 | 7.93 | 3.56 | 1.79 | 1.15 | | |
| 17 | 3.13 | 60.95 | 12.96 | 468.18 | 445.07 | 154.98 | 55.72 | 17.02 | 7.93 | 3.56 | 1.79 | 1.15 | | |
| 18 | 3.13 | 45.81 | 11.18 | 445.07 | 378.48 | 120.00 | 53.17 | 17.02 | 7.18 | 3.56 | 1.79 | 1.15 | | |
| 19 | 2.14 | 48.21 | 20.83 | 389.29 | 336.42 | 124.79 | 50.67 | 17.02 | 7.18 | 3.56 | 1.79 | 1.15 | | |
| 20 | 12.05 | 37.21 | 27.83 | 298.75 | 307.39 | 110.65 | 48.21 | 15.82 | 7.18 | 3.56 | 1.79 | 1.30 | | |
| 21 | 5.00 | 102.40 | 38.87 | 248.96 | 265.17 | 102.40 | 45.81 | 15.82 | 7.18 | 3.56 | 1.79 | 5.51 | | |
| 22 | 3.56 | 400.21 | 124.79 | 225.39 | 241.00 | 90.50 | 42.29 | 14.84 | 7.18 | 3.13 | 1.79 | 2.33 | | |
| 23 | 2.72 | 106.50 | 50.67 | 195.39 | 233.15 | 82.88 | 40.57 | 14.84 | 6.61 | 2.72 | 1.62 | 1.79 | | |
| 24 | 2.14 | 50.67 | 53.17 | 233.15 | 210.19 | 102.40 | 38.87 | 14.84 | 6.61 | 2.72 | 1.62 | 1.79 | | |
| 25 | 5.51 | 139.57 | 94.41 | 225.39 | 210.19 | 86.66 | 37.21 | 17.02 | 6.61 | 2.72 | 1.62 | 1.62 | | |
| 26 | 2.72 | 98.37 | 66.36 | 316.12 | 257.02 | 82.88 | 37.21 | 13.89 | 6.05 | 2.33 | 1.62 | 1.30 | | |
| 27 | 2.14 | 58.31 | 55.72 | 389.29 | 290.21 | 82.88 | 35.57 | 13.89 | 6.05 | 2.33 | 1.62 | 1.30 | | |
| 28 | 1.96 | 38.87 | 44.03 | 298.75 | 316.12 | 86.66 | 33.97 | 13.89 | 6.05 | 2.33 | 1.62 | 1.30 | | |
| 29 | 1.79 | 30.84 | 257.02 | 273.42 | 273.42 | 98.37 | 33.97 | 12.96 | 5.51 | 2.33 | | 1.30 | | |
| 30 | 4.02 | 24.94 | 899.63 | 257.02 | 233.15 | 82.88 | 32.39 | 12.96 | 5.51 | 2.33 | | 1.46 | | |
| 31 | | 23.54 | | 202.74 | 210.19 | | 30.84 | | 5.51 | 2.14 | | 1.46 | | |
| Total | 90.94 | 1390.64 | 2044.63 | 30066.38 | 14260.67 | 3358.07 | 1850.13 | 580.26 | 258.27 | 113.62 | 54.40 | 46.29 | 54114.30 | Tonday |
| Mean | 3.03 | 44.86 | 68.15 | 969.88 | 460.02 | 111.94 | 59.68 | 19.34 | 8.33 | 3.67 | 1.94 | 1.49 | 148.26 | Ton/day |
| Max | 22.17 | 400.21 | 899.63 | 8933.38 | 2791.64 | 181.02 | 90.50 | 29.32 | 12.05 | 5.00 | 2.33 | 5.51 | 8933.38 | Ton/day |
| Min | 0.75 | 1.96 | 11.18 | 195.39 | 139.57 | 82.88 | 30.84 | 12.96 | 5.51 | 2.14 | 1.62 | 1.15 | 0.75 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Nam Lo at Ban Sai Yok , Kanchanaburi (K.30)

Lat 14 - 26 - 27 N Long 98 - 47 - 48 E

**Location : on left bank about 1 kilometer downstream from station K.22A**

**Ban** Sai Yok **Amphoe** Sai Yok **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 466 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 20 |
| **R-Square** | 0.8291 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.5496\ QW^{1.71440}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.96 | 19.42 | 24.91 | 1888.75 | 31.98 | 124.56 | 64.43 | 16.99 | 7.24 | 2.47 | 0.81 | 0.16 | | |
| 2 | 0.37 | 6.05 | 15.45 | 9713.07 | 27.51 | 108.75 | 56.41 | 16.99 | 6.57 | 2.47 | 0.81 | 0.16 | | |
| 3 | 0.17 | 3.02 | 10.22 | 2956.48 | 26.08 | 94.25 | 59.04 | 15.83 | 6.57 | 2.47 | 0.81 | 0.15 | | |
| 4 | 0.15 | 1.73 | 9.43 | 1157.40 | 23.77 | 91.06 | 46.43 | 14.70 | 6.57 | 2.47 | 0.81 | 0.15 | | |
| 5 | 0.12 | 0.23 | 9.43 | 848.05 | 24.91 | 87.91 | 44.06 | 14.70 | 5.92 | 2.12 | 0.81 | 0.15 | | |
| 6 | 0.12 | 0.75 | 6.83 | 522.79 | 28.97 | 75.79 | 44.06 | 14.70 | 5.92 | 2.12 | 0.81 | 0.15 | | |
| 7 | 0.10 | 0.65 | 6.83 | 752.04 | 23.77 | 72.88 | 41.75 | 13.61 | 5.42 | 2.12 | 0.81 | 0.15 | | |
| 8 | 0.10 | 0.55 | 5.30 | 1465.21 | 33.53 | 70.01 | 40.04 | 12.72 | 5.42 | 1.80 | 0.81 | 0.15 | | |
| 9 | 0.10 | 1.96 | 4.94 | 778.98 | 598.82 | 67.20 | 38.37 | 12.72 | 5.42 | 1.80 | 0.81 | 0.15 | | |
| 10 | 0.10 | 4.94 | 5.67 | 10548.42 | 383.90 | 70.01 | 36.73 | 12.72 | 4.94 | 1.80 | 0.81 | 0.15 | | |
| 11 | 0.09 | 5.67 | 8.68 | 2822.61 | 1758.91 | 61.71 | 44.06 | 12.72 | 4.94 | 1.80 | 0.81 | 0.13 | | |
| 12 | 0.08 | 3.02 | 6.05 | 806.31 | 1285.95 | 59.04 | 46.43 | 11.86 | 4.94 | 1.80 | 0.65 | 0.13 | | |
| 13 | 0.07 | 5.67 | 5.30 | 512.98 | 704.92 | 75.79 | 41.75 | 11.03 | 4.48 | 1.80 | 0.65 | 0.13 | | |
| 14 | 0.07 | 3.02 | 4.59 | 300.12 | 657.28 | 78.75 | 38.37 | 11.03 | 4.48 | 1.58 | 0.65 | 0.13 | | |
| 15 | 0.17 | 5.30 | 4.26 | 219.36 | 611.03 | 78.75 | 35.11 | 10.22 | 4.48 | 1.58 | 0.65 | 0.13 | | |
| 16 | 18.40 | 11.86 | 3.61 | 238.56 | 471.84 | 72.88 | 31.98 | 10.22 | 4.04 | 1.58 | 0.65 | 0.13 | | |
| 17 | 1.73 | 18.40 | 3.02 | 265.19 | 368.58 | 67.20 | 30.46 | 10.22 | 4.04 | 1.58 | 0.65 | 0.13 | | |
| 18 | 41.75 | 23.77 | 3.02 | 213.11 | 291.70 | 59.04 | 27.51 | 9.43 | 3.61 | 1.58 | 0.65 | 0.13 | | |
| 19 | 4.94 | 45.83 | 6.44 | 162.32 | 237.97 | 64.43 | 26.08 | 9.43 | 3.61 | 1.37 | 0.65 | 0.13 | | |
| 20 | 2.74 | 52.26 | 19.42 | 113.49 | 220.51 | 56.41 | 26.08 | 9.43 | 3.61 | 1.37 | 0.50 | 0.13 | | |
| 21 | 1.73 | 219.36 | 15.45 | 87.13 | 192.65 | 53.84 | 26.08 | 8.68 | 3.61 | 1.37 | 0.37 | 0.12 | | |
| 22 | 1.10 | 359.69 | 225.69 | 72.16 | 257.20 | 48.85 | 24.68 | 8.68 | 3.21 | 1.17 | 0.26 | 0.13 | | |
| 23 | 1.30 | 131.87 | 84.04 | 56.74 | 192.65 | 46.43 | 23.32 | 8.68 | 3.21 | 1.17 | 0.26 | 0.13 | | |
| 24 | 0.75 | 54.48 | 54.48 | 43.77 | 176.69 | 64.43 | 21.99 | 7.95 | 3.21 | 1.17 | 0.17 | 0.13 | | |
| 25 | 3.02 | 87.13 | 200.84 | 41.75 | 161.32 | 61.71 | 21.99 | 41.75 | 2.83 | 1.17 | 0.17 | 0.13 | | |
| 26 | 3.61 | 75.06 | 99.95 | 52.26 | 161.32 | 56.41 | 20.69 | 10.22 | 2.83 | 1.17 | 0.16 | 0.13 | | |
| 27 | 6.44 | 96.67 | 78.01 | 78.01 | 192.65 | 56.41 | 20.69 | 8.68 | 2.83 | 1.17 | 0.16 | 0.13 | | |
| 28 | 3.02 | 113.49 | 50.08 | 69.30 | 203.60 | 101.19 | 19.42 | 7.95 | 2.83 | 1.17 | 0.16 | 0.13 | | |
| 29 | 1.73 | 52.26 | 188.87 | 52.26 | 187.27 | 101.19 | 19.42 | 7.95 | 2.83 | 0.98 | | 0.13 | | |
| 30 | 9.43 | 40.04 | 948.81 | 45.83 | 156.32 | 72.88 | 18.19 | 7.24 | 2.83 | 0.98 | | 0.13 | | |
| 31 | | 27.51 | | 35.11 | 146.53 | | 14.70 | | 2.47 | 0.98 | | 0.13 | | |
| Total | 105.46 | 1471.66 | 2109.62 | 36919.56 | 9840.13 | 2199.76 | 1050.32 | 369.05 | 134.91 | 50.18 | 16.32 | 4.24 | 54271.21 | Tonday |
| Mean | 3.52 | 47.47 | 70.32 | 1190.95 | 317.42 | 73.33 | 33.88 | 12.30 | 4.35 | 1.62 | 0.58 | 0.14 | | Ton/day |
| Max | 41.75 | 359.69 | 948.81 | 10548.42 | 1758.91 | 124.56 | 64.43 | 41.75 | 7.24 | 2.47 | 0.81 | 0.16 | 10548.42 | Ton/day |
| Min | 0.07 | 0.23 | 3.02 | 35.11 | 23.77 | 46.43 | 14.70 | 7.24 | 2.47 | 0.98 | 0.16 | 0.12 | 0.07 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Nam Noi at Ban Nam Chon , Kanchanaburi (K.31)

Lat 14 - 26 - 04 N Long 98 - 49 - 20 E

**Location : on right bank about 2 kilometers downstream from station K.22A**

**Ban** Nam Chon **Amphoe** Sai Yok **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 799 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.7911 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.9230\ QW^{1.26740}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.54 | 70.78 | 87.86 | 2315.65 | 258.52 | 248.96 | 133.63 | 48.67 | 25.98 | 14.79 | 9.07 | 5.22 | | |
| 2 | 12.57 | 39.24 | 70.78 | 5177.84 | 234.76 | 225.40 | 121.82 | 46.75 | 24.72 | 14.04 | 9.07 | 4.63 | | |
| 3 | 11.14 | 31.14 | 60.51 | 2962.03 | 197.81 | 202.35 | 126.52 | 44.85 | 24.72 | 14.04 | 9.07 | 4.63 | | |
| 4 | 10.44 | 23.47 | 58.50 | 1781.40 | 197.81 | 185.58 | 112.54 | 44.85 | 23.47 | 14.04 | 9.07 | 4.34 | | |
| 5 | 9.75 | 18.63 | 60.51 | 1344.90 | 202.35 | 162.88 | 114.85 | 43.43 | 23.47 | 13.30 | 8.40 | 4.34 | | |
| 6 | 9.07 | 17.85 | 56.51 | 821.35 | 244.21 | 150.55 | 114.85 | 42.02 | 22.24 | 13.30 | 8.40 | 4.34 | | |
| 7 | 9.07 | 16.30 | 54.52 | 1240.94 | 234.76 | 143.25 | 107.96 | 42.02 | 22.24 | 13.30 | 8.40 | 4.34 | | |
| 8 | 9.07 | 15.54 | 44.85 | 1795.83 | 650.50 | 143.25 | 105.68 | 40.63 | 22.24 | 13.30 | 8.40 | 4.05 | | |
| 9 | 8.40 | 17.85 | 48.67 | 1569.94 | 1956.18 | 136.02 | 103.42 | 39.24 | 22.24 | 12.57 | 8.40 | 4.05 | | |
| 10 | 8.40 | 27.25 | 44.85 | 5480.24 | 1498.09 | 136.02 | 96.69 | 39.24 | 21.02 | 12.57 | 8.40 | 4.05 | | |
| 11 | 9.07 | 43.43 | 70.78 | 2864.91 | 2392.12 | 128.88 | 121.82 | 37.86 | 21.02 | 12.57 | 7.74 | 4.05 | | |
| 12 | 8.40 | 36.50 | 58.50 | 1654.66 | 1810.29 | 128.88 | 124.16 | 37.86 | 19.82 | 12.57 | 7.74 | 4.05 | | |
| 13 | 7.74 | 37.86 | 58.50 | 1275.40 | 1206.68 | 153.00 | 107.96 | 36.50 | 19.82 | 12.57 | 7.74 | 4.05 | | |
| 14 | 7.74 | 25.98 | 52.56 | 936.69 | 1206.68 | 140.83 | 103.42 | 35.14 | 18.63 | 11.85 | 7.74 | 4.05 | | |
| 15 | 13.30 | 29.83 | 50.61 | 769.22 | 1061.57 | 162.88 | 98.92 | 35.14 | 18.63 | 11.85 | 7.74 | 4.05 | | |
| 16 | 62.54 | 52.56 | 43.43 | 812.61 | 743.43 | 181.76 | 92.25 | 33.80 | 18.63 | 11.85 | 7.09 | 4.05 | | |
| 17 | 23.47 | 101.16 | 40.63 | 795.19 | 597.67 | 162.88 | 87.86 | 33.80 | 17.85 | 11.85 | 7.09 | 4.05 | | |
| 18 | 48.67 | 110.24 | 39.24 | 667.20 | 473.06 | 136.02 | 83.52 | 32.47 | 17.85 | 11.14 | 7.09 | 3.77 | | |
| 19 | 28.54 | 119.49 | 58.50 | 568.38 | 426.08 | 148.10 | 81.36 | 31.14 | 17.85 | 11.14 | 7.09 | 3.77 | | |
| 20 | 33.80 | 117.16 | 90.05 | 442.13 | 389.11 | 138.42 | 79.22 | 31.14 | 17.07 | 11.14 | 6.46 | 3.77 | | |
| 21 | 27.25 | 410.15 | 114.85 | 383.88 | 342.65 | 133.63 | 77.09 | 31.14 | 17.07 | 10.44 | 5.83 | 11.14 | | |
| 22 | 19.82 | 650.50 | 460.64 | 337.56 | 373.48 | 124.16 | 70.78 | 29.83 | 17.07 | 10.44 | 5.83 | 9.07 | | |
| 23 | 18.63 | 268.15 | 185.58 | 292.55 | 322.41 | 119.49 | 66.63 | 28.54 | 16.30 | 10.44 | 5.83 | 5.83 | | |
| 24 | 15.54 | 148.10 | 155.46 | 277.86 | 287.64 | 136.02 | 64.58 | 28.54 | 16.30 | 10.44 | 5.83 | 4.63 | | |
| 25 | 25.98 | 244.21 | 322.41 | 272.99 | 277.86 | 131.25 | 62.54 | 58.50 | 16.30 | 10.44 | 5.83 | 4.34 | | |
| 26 | 24.72 | 220.75 | 220.75 | 327.45 | 317.39 | 126.52 | 58.50 | 33.80 | 15.54 | 10.44 | 5.22 | 4.05 | | |
| 27 | 24.72 | 197.81 | 166.62 | 448.28 | 337.56 | 133.63 | 56.51 | 29.83 | 15.54 | 10.44 | 5.22 | 4.05 | | |
| 28 | 22.24 | 174.15 | 136.02 | 358.00 | 383.88 | 162.88 | 56.51 | 27.25 | 15.54 | 9.75 | 5.22 | 3.77 | | |
| 29 | 18.63 | 114.85 | 442.13 | 332.50 | 347.75 | 155.46 | 56.51 | 25.98 | 15.54 | 9.75 | | 3.77 | | |
| 30 | 36.50 | 103.42 | 1356.56 | 297.49 | 302.44 | 138.42 | 52.56 | 25.98 | 14.79 | 9.07 | | 5.83 | | |
| 31 | | 85.68 | | 263.32 | 292.55 | | 50.61 | | 14.79 | 9.07 | | 6.46 | | |
| Total | 580.75 | 3570.03 | 4711.38 | 38868.39 | 19567.29 | 4577.37 | 2791.27 | 1095.94 | 594.29 | 364.50 | 205.01 | 146.59 | 77072.81 | Tonday |
| Mean | 19.36 | 115.16 | 157.05 | 1253.82 | 631.20 | 152.58 | 90.04 | 36.53 | 19.17 | 11.76 | 7.32 | 4.73 | | Ton/day |
| Max | 62.54 | 650.50 | 1356.56 | 5480.24 | 2392.12 | 248.96 | 133.63 | 58.50 | 25.98 | 14.79 | 9.07 | 11.14 | 5480.24 | Ton/day |
| Min | 7.74 | 15.54 | 39.24 | 263.32 | 197.81 | 119.49 | 50.61 | 25.98 | 14.79 | 9.07 | 5.22 | 3.77 | 3.77 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Lin Thin at Ban Nong Bang , Kanchanaburi (K.38A)

Lat 14 - 34 - 28 N Long 98 - 49 - 07 E

**Location : on left bank at KM. 95+700 on Kanchanaburi - Thong Pha Phum Highway.**

**Ban** Nong Bang **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 122 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2000-Cont'd |
| **Actual Measurement** | 2000-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 18 |
| **R-Square** | 0.9089 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.8356\ QW^{2.49260}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.19 | 1.12 | 6.20 | 118.35 | 18.20 | 26.76 | 386.19 | 6.69 | 1.62 | 0.45 | 0.11 | 0.03 | | |
| 2 | 0.19 | 0.93 | 3.88 | 720.42 | 16.61 | 24.33 | 141.18 | 6.69 | 1.62 | 0.45 | 0.11 | 0.03 | | |
| 3 | 0.19 | 1.12 | 3.40 | 141.18 | 16.61 | 24.33 | 186.15 | 6.69 | 1.62 | 0.45 | 0.11 | 0.03 | | |
| 4 | 0.15 | 0.93 | 2.54 | 81.48 | 22.03 | 18.20 | 125.70 | 6.69 | 1.62 | 0.45 | 0.11 | 0.03 | | |
| 5 | 0.12 | 0.36 | 2.54 | 63.35 | 26.76 | 16.61 | 133.30 | 5.83 | 1.09 | 0.36 | 0.11 | 0.03 | | |
| 6 | 0.12 | 0.19 | 2.17 | 41.09 | 24.33 | 15.12 | 104.46 | 5.04 | 1.09 | 0.36 | 0.11 | 0.03 | | |
| 7 | 0.08 | 0.10 | 2.17 | 76.69 | 19.87 | 12.37 | 104.46 | 5.04 | 1.09 | 0.28 | 0.09 | 0.03 | | |
| 8 | 0.26 | 0.08 | 1.57 | 81.48 | 19.87 | 12.37 | 86.45 | 4.48 | 1.09 | 0.28 | 0.09 | 0.03 | | |
| 9 | 0.12 | 0.12 | 1.84 | 55.28 | 76.69 | 11.12 | 59.23 | 3.95 | 1.09 | 0.28 | 0.09 | 0.03 | | |
| 10 | 0.12 | 0.12 | 1.57 | 118.35 | 44.40 | 29.34 | 59.23 | 3.95 | 0.93 | 0.21 | 0.09 | 0.03 | | |
| 11 | 0.10 | 0.08 | 2.54 | 104.46 | 720.42 | 13.70 | 81.48 | 3.95 | 0.93 | 0.21 | 0.07 | 0.03 | | |
| 12 | 0.10 | 2.95 | 1.84 | 51.50 | 353.29 | 81.48 | 141.18 | 3.46 | 0.93 | 0.21 | 0.07 | 0.03 | | |
| 13 | 0.08 | 1.33 | 2.95 | 55.28 | 196.50 | 24.33 | 91.59 | 3.46 | 0.93 | 0.21 | 0.07 | 0.03 | | |
| 14 | 0.08 | 0.75 | 1.84 | 41.09 | 104.46 | 24.33 | 1196.84 | 3.01 | 0.93 | 0.21 | 0.11 | 0.03 | | |
| 15 | 0.08 | 0.75 | 1.33 | 29.34 | 141.18 | 22.03 | 58.87 | 3.01 | 0.93 | 0.21 | 0.11 | 0.03 | | |
| 16 | 0.36 | 1.84 | 1.33 | 26.76 | 104.46 | 19.87 | 25.64 | 3.01 | 0.78 | 0.21 | 0.11 | 0.03 | | |
| 17 | 0.12 | 7.84 | 1.12 | 24.33 | 81.48 | 24.33 | 28.38 | 2.66 | 0.78 | 0.21 | 0.09 | 0.03 | | |
| 18 | 7.84 | 3.88 | 1.12 | 34.92 | 72.07 | 19.87 | 20.64 | 2.66 | 0.78 | 0.21 | 0.07 | 0.03 | | |
| 19 | 0.93 | 4.96 | 1.57 | 24.33 | 63.35 | 18.20 | 20.64 | 2.66 | 0.78 | 0.21 | 0.07 | 0.02 | | |
| 20 | 3.88 | 6.89 | 3.40 | 18.20 | 55.28 | 41.09 | 18.38 | 2.28 | 0.78 | 0.21 | 0.07 | 0.07 | | |
| 21 | 1.12 | 47.87 | 2.54 | 16.61 | 41.09 | 24.33 | 16.27 | 2.28 | 0.78 | 0.21 | 0.06 | 0.06 | | |
| 22 | 0.47 | 47.87 | 8.85 | 29.34 | 34.92 | 47.87 | 13.40 | 2.28 | 0.54 | 0.21 | 0.06 | 0.07 | | |
| 23 | 0.19 | 12.37 | 4.96 | 18.20 | 37.93 | 26.76 | 13.40 | 2.28 | 0.54 | 0.21 | 0.06 | 0.06 | | |
| 24 | 0.12 | 3.88 | 4.40 | 16.61 | 37.93 | 47.87 | 12.09 | 2.28 | 0.54 | 0.21 | 0.06 | 0.06 | | |
| 25 | 0.12 | 16.61 | 47.87 | 16.61 | 29.34 | 34.92 | 10.85 | 2.28 | 0.45 | 0.21 | 0.06 | 0.03 | | |
| 26 | 0.12 | 4.96 | 6.89 | 18.20 | 67.62 | 34.92 | 10.85 | 1.93 | 0.45 | 0.21 | 0.04 | 0.03 | | |
| 27 | 0.12 | 4.96 | 7.84 | 41.09 | 47.87 | 29.34 | 9.70 | 1.93 | 0.45 | 0.15 | 0.04 | 0.03 | | |
| 28 | 0.10 | 4.96 | 5.56 | 29.34 | 44.40 | 81.48 | 9.70 | 1.62 | 0.45 | 0.15 | 0.03 | 0.03 | | |
| 29 | 0.08 | 6.89 | 15.12 | 24.33 | 29.34 | 47.87 | 9.70 | 1.62 | 0.45 | 0.11 | | 0.03 | | |
| 30 | 0.75 | 3.40 | 141.18 | 24.33 | 29.34 | 34.92 | 8.62 | 1.62 | 0.45 | 0.11 | | 0.06 | | |
| 31 | | 2.54 | | 16.61 | 29.34 | | 8.62 | | 0.45 | 0.11 | | 0.06 | | |
| Total | 18.30 | 192.65 | 292.13 | 2159.15 | 2606.98 | 890.06 | 3193.19 | 105.33 | 26.96 | 7.56 | 2.27 | 1.15 | 9495.73 | Tonday |
| Mean | 0.61 | 6.21 | 9.74 | 69.65 | 84.10 | 29.67 | 103.01 | 3.51 | 0.87 | 0.24 | 0.08 | 0.04 | | Ton/day |
| Max | 7.84 | 47.87 | 141.18 | 720.42 | 720.42 | 81.48 | 1196.84 | 6.69 | 1.62 | 0.45 | 0.11 | 0.07 | 1196.84 | Ton/day |
| Min | 0.08 | 0.08 | 1.12 | 16.61 | 16.61 | 11.12 | 8.62 | 1.62 | 0.45 | 0.11 | 0.03 | 0.02 | 0.02 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Ong Thi at Ban Ong Thi , Kanchanaburi (K.39)

Lat 14 - 42 - 21 N Long 98 - 40 - 19 E

**Location : on right bank at KM. 121+600 on Kanchanaburi - Thong Pha Phum Highway.**

**Ban** Ong Thi **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 51 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 215 |
| **R-Square** | 0.7942 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.7109\ QW^{1.28100}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.41 | 0.88 | 9.44 | 14.69 | 11.30 | 19.99 | 14.00 | 4.71 | 4.00 | 1.27 | 2.04 | 0.41 | | |
| 2 | 0.38 | 0.68 | 7.78 | 37.50 | 10.00 | 19.99 | 11.96 | 4.71 | 4.00 | 1.14 | 2.04 | 0.41 | | |
| 3 | 0.35 | 0.49 | 6.21 | 25.52 | 8.88 | 15.39 | 13.31 | 4.71 | 4.00 | 1.14 | 2.04 | 0.41 | | |
| 4 | 0.35 | 0.41 | 3.65 | 16.10 | 13.31 | 14.00 | 10.65 | 4.35 | 4.00 | 1.14 | 2.04 | 0.41 | | |
| 5 | 0.31 | 0.38 | 3.31 | 23.27 | 11.96 | 13.31 | 14.69 | 4.35 | 4.00 | 1.14 | 1.74 | 0.41 | | |
| 6 | 0.25 | 0.38 | 3.31 | 14.69 | 12.63 | 11.96 | 12.63 | 4.71 | 4.00 | 1.36 | 1.74 | 0.41 | | |
| 7 | 0.25 | 0.38 | 2.98 | 15.39 | 10.00 | 11.30 | 11.30 | 4.71 | 3.65 | 1.27 | 2.04 | 0.41 | | |
| 8 | 0.25 | 0.35 | 3.65 | 16.81 | 23.27 | 10.65 | 10.65 | 4.71 | 3.65 | 1.27 | 2.04 | 0.41 | | |
| 9 | 0.25 | 0.60 | 4.00 | 14.00 | 29.16 | 10.00 | 10.00 | 4.71 | 3.65 | 1.14 | 2.04 | 0.41 | | |
| 10 | 0.25 | 0.35 | 6.21 | 246.74 | 33.27 | 12.63 | 10.00 | 4.71 | 3.65 | 1.27 | 2.04 | 0.41 | | |
| 11 | 0.25 | 0.80 | 3.65 | 40.38 | 60.12 | 12.63 | 10.00 | 4.71 | 3.31 | 1.14 | 1.74 | 0.41 | | |
| 12 | 0.22 | 0.49 | 2.66 | 21.07 | 31.89 | 13.31 | 12.63 | 5.20 | 3.31 | 1.14 | 1.74 | 0.41 | | |
| 13 | 0.19 | 0.60 | 2.66 | 18.92 | 27.82 | 12.63 | 10.65 | 4.71 | 2.98 | 1.14 | 1.74 | 0.49 | | |
| 14 | 0.22 | 0.41 | 2.04 | 16.10 | 25.52 | 22.17 | 9.44 | 4.35 | 2.98 | 1.27 | 1.74 | 0.41 | | |
| 15 | 0.25 | 0.38 | 1.74 | 14.69 | 30.52 | 16.10 | 8.33 | 4.35 | 2.66 | 1.14 | 1.74 | 0.49 | | |
| 16 | 0.60 | 0.38 | 1.46 | 16.81 | 24.39 | 19.99 | 7.78 | 4.35 | 2.66 | 1.27 | 1.74 | 0.49 | | |
| 17 | 0.38 | 4.71 | 1.36 | 15.39 | 19.99 | 16.81 | 7.78 | 4.35 | 2.66 | 1.36 | 1.74 | 0.49 | | |
| 18 | 0.41 | 1.74 | 1.36 | 14.69 | 17.86 | 14.69 | 7.78 | 4.35 | 2.04 | 1.36 | 1.74 | 0.49 | | |
| 19 | 0.35 | 4.00 | 18.92 | 13.31 | 17.86 | 14.00 | 7.78 | 4.35 | 1.74 | 1.36 | 1.74 | 0.49 | | |
| 20 | 0.80 | 2.66 | 11.30 | 11.30 | 18.92 | 11.96 | 7.25 | 4.35 | 1.46 | 1.36 | 1.27 | 0.49 | | |
| 21 | 0.49 | 24.39 | 8.88 | 11.30 | 14.69 | 11.96 | 7.78 | 4.35 | 1.36 | 1.36 | 1.05 | 0.60 | | |
| 22 | 0.38 | 16.10 | 14.69 | 10.65 | 19.99 | 11.30 | 7.25 | 4.35 | 1.36 | 1.36 | 0.52 | 0.60 | | |
| 23 | 0.38 | 5.70 | 7.78 | 9.44 | 19.99 | 10.65 | 6.72 | 4.35 | 1.36 | 1.36 | 0.52 | 0.49 | | |
| 24 | 0.38 | 4.00 | 7.78 | 9.44 | 16.81 | 10.65 | 6.21 | 4.35 | 1.36 | 1.74 | 0.52 | 0.41 | | |
| 25 | 0.49 | 11.30 | 23.27 | 9.44 | 16.10 | 14.00 | 6.21 | 4.35 | 1.36 | 1.74 | 0.52 | 0.38 | | |
| 26 | 0.38 | 5.70 | 13.31 | 8.88 | 19.99 | 16.10 | 5.70 | 4.35 | 1.36 | 1.74 | 0.49 | 0.41 | | |
| 27 | 0.41 | 4.71 | 10.00 | 11.30 | 21.07 | 12.63 | 5.20 | 4.35 | 1.36 | 2.04 | 0.41 | 0.41 | | |
| 28 | 0.38 | 7.78 | 7.25 | 12.63 | 17.86 | 11.30 | 5.20 | 4.35 | 1.36 | 2.04 | 0.49 | 0.41 | | |
| 29 | 0.41 | 7.78 | 9.44 | 10.00 | 16.10 | 19.99 | 5.20 | 4.35 | 1.36 | 1.74 | | 0.68 | | |
| 30 | 1.05 | 3.31 | 12.63 | 8.33 | 16.81 | 13.31 | 5.20 | 4.35 | 1.36 | 2.04 | | 0.80 | | |
| 31 | | 8.33 | | 11.30 | 15.39 | | 4.71 | | 1.27 | 2.04 | | 0.60 | | |
| Total | 11.47 | 120.17 | 212.72 | 720.08 | 633.47 | 425.40 | 273.99 | 134.95 | 79.27 | 43.88 | 41.25 | 14.55 | 2711.20 | Tonday |
| Mean | 0.38 | 3.88 | 7.09 | 23.23 | 20.43 | 14.18 | 8.84 | 4.50 | 2.56 | 1.42 | 1.47 | 0.47 | | Ton/day |
| Max | 1.05 | 24.39 | 23.27 | 246.74 | 60.12 | 22.17 | 14.69 | 5.20 | 4.00 | 2.04 | 2.04 | 0.80 | 246.74 | Ton/day |
| Min | 0.19 | 0.35 | 1.36 | 8.33 | 8.88 | 10.00 | 4.71 | 4.35 | 1.27 | 1.14 | 0.41 | 0.38 | 0.19 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Diso at Ban Hin Laem , Kanchanaburi (K.50)

Lat 14 - 38 - 39 N Long 98 - 42 - 04 E

**Location : on right bank at the bridge on Kanchanaburi - Thong Pha Phum Highway from Tambon Tha Khanun.**

**Ban** Hin Laem **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 123 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 163 |
| **R-Square** | 0.9063 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.5350\ QW^{1.43440}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.08 | 5.30 | 19.43 | 61.69 | 18.85 | 28.83 | 50.18 | 5.22 | 1.76 | 0.80 | 0.40 | 0.20 | | |
| 2 | 0.89 | 3.52 | 13.38 | 135.62 | 18.28 | 24.24 | 34.62 | 5.22 | 1.59 | 0.80 | 0.40 | 0.20 | | |
| 3 | 0.80 | 2.72 | 12.45 | 82.20 | 17.83 | 22.40 | 51.26 | 4.91 | 1.59 | 0.71 | 0.40 | 0.20 | | |
| 4 | 0.80 | 2.35 | 10.28 | 53.78 | 17.83 | 19.43 | 27.40 | 4.91 | 1.59 | 0.71 | 0.40 | 0.20 | | |
| 5 | 0.71 | 1.65 | 6.85 | 57.13 | 17.26 | 18.28 | 21.44 | 4.61 | 1.59 | 0.63 | 0.47 | 0.20 | | |
| 6 | 0.63 | 1.28 | 6.18 | 30.41 | 16.26 | 17.83 | 28.18 | 4.31 | 1.59 | 0.63 | 0.47 | 0.20 | | |
| 7 | 0.63 | 1.08 | 6.18 | 28.05 | 17.83 | 14.85 | 31.35 | 4.02 | 1.59 | 0.63 | 0.40 | 0.20 | | |
| 8 | 1.08 | 0.98 | 5.06 | 47.57 | 18.85 | 14.32 | 28.96 | 4.02 | 1.59 | 0.63 | 0.40 | 0.20 | | |
| 9 | 0.89 | 0.89 | 7.19 | 83.64 | 86.55 | 13.90 | 25.11 | 3.73 | 1.43 | 0.63 | 0.40 | 0.20 | | |
| 10 | 0.80 | 1.18 | 5.86 | 223.87 | 69.92 | 20.01 | 25.87 | 3.73 | 1.43 | 0.63 | 0.40 | 0.20 | | |
| 11 | 0.63 | 9.81 | 5.54 | 117.19 | 156.79 | 46.66 | 12.86 | 3.46 | 1.43 | 0.63 | 0.40 | 0.20 | | |
| 12 | 0.55 | 2.35 | 4.61 | 53.78 | 117.19 | 71.12 | 26.63 | 3.46 | 1.28 | 0.63 | 0.40 | 0.26 | | |
| 13 | 0.55 | 5.30 | 3.95 | 42.18 | 77.92 | 67.53 | 14.96 | 3.18 | 1.28 | 0.63 | 0.40 | 0.26 | | |
| 14 | 0.47 | 1.65 | 3.52 | 26.51 | 53.78 | 88.01 | 13.38 | 3.18 | 1.28 | 0.55 | 0.33 | 0.26 | | |
| 15 | 0.40 | 0.98 | 3.32 | 22.40 | 67.53 | 57.13 | 11.35 | 3.46 | 1.13 | 0.55 | 0.33 | 0.26 | | |
| 16 | 0.33 | 2.17 | 3.12 | 40.43 | 57.13 | 110.84 | 11.35 | 3.18 | 0.98 | 0.55 | 0.33 | 0.26 | | |
| 17 | 0.33 | 7.89 | 2.92 | 34.48 | 43.07 | 86.55 | 10.86 | 2.92 | 0.98 | 0.55 | 0.26 | 0.26 | | |
| 18 | 0.89 | 17.26 | 2.72 | 24.24 | 32.84 | 57.13 | 10.38 | 2.66 | 0.98 | 0.55 | 0.26 | 0.20 | | |
| 19 | 0.80 | 35.32 | 114.00 | 23.01 | 38.70 | 36.15 | 9.90 | 3.18 | 0.89 | 0.55 | 0.26 | 0.18 | | |
| 20 | 1.28 | 24.99 | 32.02 | 20.01 | 80.77 | 31.22 | 9.43 | 3.18 | 0.89 | 0.55 | 0.26 | 0.15 | | |
| 21 | 0.98 | 28.05 | 20.60 | 18.28 | 39.56 | 26.51 | 8.60 | 2.66 | 0.89 | 0.55 | 0.26 | 0.18 | | |
| 22 | 0.89 | 107.71 | 13.38 | 16.26 | 41.30 | 24.24 | 8.24 | 2.47 | 0.80 | 0.55 | 0.26 | 0.40 | | |
| 23 | 0.80 | 21.79 | 17.83 | 14.85 | 34.48 | 22.40 | 7.80 | 2.47 | 0.80 | 0.55 | 0.26 | 0.26 | | |
| 24 | 0.80 | 12.05 | 20.60 | 13.90 | 33.66 | 25.74 | 7.45 | 2.29 | 0.80 | 0.63 | 0.26 | 0.20 | | |
| 25 | 0.80 | 23.01 | 93.95 | 13.38 | 32.02 | 29.62 | 7.02 | 2.29 | 0.80 | 0.55 | 0.26 | 0.18 | | |
| 26 | 0.80 | 13.38 | 75.11 | 14.85 | 35.32 | 24.99 | 6.68 | 2.11 | 0.80 | 0.47 | 0.26 | 0.15 | | |
| 27 | 0.71 | 11.55 | 28.05 | 22.40 | 40.43 | 21.79 | 6.26 | 2.11 | 0.80 | 0.47 | 0.26 | 0.18 | | |
| 28 | 0.71 | 12.45 | 16.82 | 27.27 | 33.66 | 23.62 | 5.94 | 1.93 | 0.80 | 0.47 | 0.20 | 0.18 | | |
| 29 | 0.89 | 9.43 | 16.82 | 29.62 | 26.51 | 96.95 | 5.94 | 1.93 | 0.80 | 0.40 | | 0.18 | | |
| 30 | 1.49 | 7.19 | 37.85 | 23.01 | 22.40 | 49.10 | 5.22 | 1.93 | 0.80 | 0.40 | | 0.40 | | |
| 31 | | 10.28 | | 16.26 | 24.99 | | 5.22 | | 0.80 | 0.40 | | 0.26 | | |
| Total | 23.41 | 385.56 | 609.59 | 1418.27 | 1389.51 | 1191.39 | 529.84 | 98.73 | 35.76 | 17.98 | 9.39 | 6.86 | 5716.29 | Tonday |
| Mean | 0.78 | 12.44 | 20.32 | 45.75 | 44.82 | 39.71 | 17.09 | 3.29 | 1.15 | 0.58 | 0.34 | 0.22 | | Ton/day |
| Max | 1.49 | 107.71 | 114.00 | 223.87 | 156.79 | 110.84 | 51.26 | 5.22 | 1.76 | 0.80 | 0.47 | 0.40 | 223.87 | Ton/day |
| Min | 0.33 | 0.89 | 2.72 | 13.38 | 16.26 | 13.90 | 5.22 | 1.93 | 0.80 | 0.40 | 0.20 | 0.15 | 0.15 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Mae Kraban at Ban Si Mong Khon , Kanchanaburi (K.53)

Lat 14 - 01 - 38 N Long 99 - 13 - 23 E

**Location : on right bank at the bridge on road.**

**Ban** Si Mong Khon **Amphoe** Sai Yok **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 308 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 130 |
| **R-Square** | 0.9413 |
| **Remarks** | Continued Sediment Station |

$$QS = 9.2789\ QW^{1.64570}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.55 | 0.55 | 77.43 | 22.22 | 1.65 | 1.14 | 10.85 | 2.31 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 2 | 0.55 | 0.41 | 25.54 | 66.19 | 1.50 | 0.95 | 6.43 | 2.05 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 3 | 0.55 | 0.41 | 12.53 | 98.44 | 1.50 | 0.83 | 6.43 | 1.89 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 4 | 0.55 | 0.41 | 7.80 | 59.09 | 1.28 | 0.66 | 4.92 | 1.89 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 5 | 0.55 | 0.41 | 5.16 | 38.66 | 1.14 | 0.55 | 4.34 | 1.65 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 6 | 0.55 | 0.41 | 4.57 | 23.97 | 1.14 | 0.55 | 4.00 | 1.50 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 7 | 0.55 | 0.41 | 4.00 | 19.09 | 1.14 | 0.41 | 3.47 | 1.28 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 8 | 0.55 | 0.32 | 3.26 | 20.73 | 1.14 | 0.55 | 2.97 | 1.28 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 9 | 0.55 | 0.41 | 2.49 | 14.84 | 1.14 | 1.65 | 4.92 | 1.14 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 10 | 0.55 | 0.41 | 2.31 | 11.68 | 1.50 | 1.65 | 261.25 | 1.14 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 11 | 0.55 | 0.41 | 2.05 | 7.80 | 1.89 | 2.49 | 93.86 | 1.14 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 12 | 0.55 | 0.41 | 1.65 | 6.43 | 1.89 | 4.92 | 126.44 | 1.14 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 13 | 0.55 | 0.41 | 1.50 | 5.53 | 1.65 | 27.38 | 341.91 | 0.95 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 14 | 0.55 | 0.41 | 1.28 | 5.53 | 1.65 | 52.30 | 332.53 | 0.83 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 15 | 0.95 | 0.41 | 0.95 | 4.57 | 1.50 | 252.82 | 244.49 | 0.83 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 16 | 0.83 | 0.41 | 0.95 | 4.34 | 1.50 | 73.61 | 93.86 | 0.83 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 17 | 0.55 | 2.77 | 0.83 | 4.34 | 1.28 | 29.03 | 66.19 | 0.83 | 0.32 | 0.15 | 0.15 | 0.15 | | |
| 18 | 0.55 | 2.97 | 0.83 | 4.57 | 1.14 | 16.14 | 36.54 | 0.66 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 19 | 0.55 | 4.57 | 0.83 | 4.00 | 1.14 | 52.30 | 23.97 | 0.66 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 20 | 0.55 | 5.78 | 1.14 | 9.28 | 0.95 | 116.80 | 19.09 | 0.66 | 0.32 | 0.21 | 0.15 | 0.15 | | |
| 21 | 0.55 | 27.38 | 3.26 | 14.84 | 0.83 | 17.69 | 16.14 | 0.66 | 0.21 | 0.21 | 0.15 | 0.15 | | |
| 22 | 0.55 | 59.09 | 10.85 | 5.16 | 0.83 | 10.05 | 9.28 | 0.66 | 0.21 | 0.21 | 0.15 | 0.15 | | |
| 23 | 0.55 | 19.09 | 5.16 | 4.00 | 0.95 | 22.22 | 6.43 | 0.55 | 0.21 | 0.21 | 0.15 | 0.07 | | |
| 24 | 0.55 | 10.05 | 4.92 | 3.47 | 0.83 | 252.82 | 5.53 | 0.55 | 0.21 | 0.21 | 0.15 | 0.07 | | |
| 25 | 0.55 | 6.43 | 34.73 | 3.26 | 0.66 | 47.00 | 4.92 | 0.55 | 0.21 | 0.21 | 0.15 | 0.07 | | |
| 26 | 0.55 | 4.92 | 13.40 | 2.77 | 0.66 | 27.38 | 4.34 | 0.55 | 0.21 | 0.21 | 0.15 | 0.07 | | |
| 27 | 1.65 | 7.10 | 22.22 | 2.49 | 1.14 | 17.69 | 3.79 | 0.41 | 0.21 | 0.21 | 0.15 | 0.07 | | |
| 28 | 1.89 | 62.60 | 16.14 | 2.31 | 1.65 | 13.40 | 3.26 | 0.41 | 0.21 | 0.21 | 0.15 | 0.03 | | |
| 29 | 0.55 | 20.73 | 11.68 | 2.31 | 1.50 | 9.28 | 2.77 | 0.41 | 0.21 | 0.21 | | 0.07 | | |
| 30 | 0.55 | 9.28 | 16.14 | 2.05 | 1.50 | 6.43 | 2.49 | 0.32 | 0.21 | 0.21 | | 0.07 | | |
| 31 | | 11.68 | | 1.65 | 1.28 | | 2.31 | | 0.21 | 0.21 | | 0.07 | | |
| Total | 19.62 | 261.05 | 295.60 | 475.61 | 39.55 | 1060.69 | 1749.72 | 29.73 | 8.71 | 5.91 | 4.20 | 3.89 | 3954.28 | Tonday |
| Mean | 0.65 | 8.42 | 9.85 | 15.34 | 1.28 | 35.36 | 56.44 | 0.99 | 0.28 | 0.19 | 0.15 | 0.13 | | Ton/day |
| Max | 1.89 | 62.60 | 77.43 | 98.44 | 1.89 | 252.82 | 341.91 | 2.31 | 0.32 | 0.21 | 0.15 | 0.15 | 341.91 | Ton/day |
| Min | 0.55 | 0.32 | 0.83 | 1.65 | 0.66 | 0.41 | 2.31 | 0.32 | 0.21 | 0.15 | 0.15 | 0.03 | 0.03 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Huai Kui Mang at Ban Kui Mang , Kanchanaburi (K.60)

Lat 14 - 37 - 32 N Long 98 - 43 - 50 E

**Location : on right bank at the bridge on road.**

**Ban** Kui Mang **Amphoe** Thong Pha Phum **Changwat** Kanchanaburi

| | |
|---|---|
| **Drainge Area** | 128 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2002-2006 |
| **Number of observation** | 132 |
| **R-Square** | 0.8640 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.0867\ QW^{1.31420}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.78 | 3.67 | 8.21 | 123.42 | 23.46 | 27.39 | 232.37 | 11.34 | 7.62 | 4.43 | 2.15 | 0.78 | | |
| 2 | 0.61 | 3.30 | 9.43 | 182.60 | 21.17 | 22.69 | 45.53 | 11.34 | 7.62 | 4.43 | 2.15 | 0.61 | | |
| 3 | 0.46 | 2.95 | 8.82 | 96.14 | 21.93 | 18.22 | 68.97 | 11.34 | 7.04 | 4.43 | 2.15 | 0.61 | | |
| 4 | 0.46 | 2.15 | 7.62 | 46.66 | 20.43 | 18.22 | 64.89 | 10.69 | 7.04 | 4.43 | 2.15 | 0.53 | | |
| 5 | 0.46 | 1.73 | 6.46 | 46.66 | 29.81 | 16.07 | 46.66 | 10.69 | 7.04 | 4.43 | 1.94 | 0.53 | | |
| 6 | 0.38 | 0.95 | 6.04 | 37.79 | 25.80 | 14.68 | 35.65 | 10.69 | 7.04 | 4.05 | 1.94 | 0.53 | | |
| 7 | 0.38 | 0.61 | 6.04 | 30.63 | 21.17 | 14.00 | 33.96 | 10.69 | 6.46 | 4.05 | 1.94 | 0.46 | | |
| 8 | 0.38 | 0.53 | 5.63 | 38.88 | 24.23 | 14.00 | 30.63 | 10.06 | 6.46 | 4.05 | 1.94 | 0.46 | | |
| 9 | 0.38 | 0.46 | 6.04 | 41.07 | 60.86 | 13.32 | 28.19 | 10.06 | 6.46 | 4.05 | 1.94 | 0.46 | | |
| 10 | 0.31 | 0.46 | 7.04 | 47.91 | 49.17 | 26.59 | 25.80 | 10.06 | 6.46 | 4.05 | 1.94 | 0.46 | | |
| 11 | 0.31 | 10.69 | 7.62 | 98.03 | 223.41 | 15.37 | 27.39 | 10.06 | 6.04 | 3.67 | 1.94 | 0.38 | | |
| 12 | 0.31 | 7.04 | 7.04 | 63.54 | 98.03 | 226.38 | 111.53 | 10.06 | 6.04 | 3.67 | 1.94 | 0.38 | | |
| 13 | 0.31 | 4.82 | 6.46 | 38.88 | 74.64 | 27.39 | 29.00 | 10.06 | 6.04 | 3.30 | 1.94 | 0.38 | | |
| 14 | 0.31 | 3.30 | 6.04 | 29.00 | 83.91 | 49.17 | 25.01 | 10.06 | 6.04 | 3.30 | 1.94 | 0.38 | | |
| 15 | 0.31 | 2.15 | 5.63 | 24.23 | 94.25 | 32.28 | 23.46 | 9.43 | 5.63 | 3.30 | 1.94 | 0.38 | | |
| 16 | 0.31 | 5.22 | 5.22 | 19.68 | 64.89 | 68.97 | 21.93 | 9.43 | 5.63 | 2.95 | 1.94 | 0.31 | | |
| 17 | 3.30 | 6.46 | 4.82 | 19.68 | 43.28 | 39.97 | 21.17 | 9.43 | 5.63 | 2.95 | 1.73 | 0.31 | | |
| 18 | 3.30 | 7.62 | 4.82 | 18.95 | 38.88 | 27.39 | 19.68 | 9.43 | 5.63 | 2.95 | 1.73 | 0.25 | | |
| 19 | 3.30 | 8.21 | 58.21 | 26.59 | 41.07 | 22.69 | 18.95 | 8.82 | 5.63 | 2.95 | 1.53 | 0.25 | | |
| 20 | 2.37 | 10.06 | 27.39 | 22.69 | 59.53 | 22.69 | 17.50 | 8.82 | 5.22 | 2.95 | 1.53 | 0.25 | | |
| 21 | 2.15 | 11.34 | 19.68 | 21.93 | 35.65 | 20.43 | 16.78 | 8.82 | 5.22 | 2.60 | 1.33 | 0.18 | | |
| 22 | 1.73 | 18.95 | 23.46 | 21.17 | 32.28 | 25.01 | 16.07 | 8.82 | 5.22 | 2.60 | 1.33 | 0.18 | | |
| 23 | 1.33 | 16.78 | 25.80 | 15.37 | 28.19 | 20.43 | 15.37 | 8.82 | 5.22 | 2.60 | 1.14 | 0.18 | | |
| 24 | 1.14 | 8.82 | 28.19 | 16.07 | 33.12 | 27.39 | 14.68 | 8.82 | 5.22 | 2.60 | 1.14 | 0.18 | | |
| 25 | 0.95 | 8.21 | 51.72 | 19.68 | 27.39 | 23.46 | 14.00 | 8.82 | 4.82 | 2.60 | 0.95 | 0.18 | | |
| 26 | 0.61 | 10.69 | 60.86 | 22.69 | 32.28 | 21.17 | 13.32 | 8.21 | 4.82 | 2.37 | 0.95 | 0.18 | | |
| 27 | 0.53 | 10.69 | 34.80 | 68.97 | 43.28 | 20.43 | 13.32 | 8.21 | 4.82 | 2.37 | 0.95 | 0.13 | | |
| 28 | 0.95 | 7.62 | 26.59 | 30.63 | 33.96 | 32.28 | 12.65 | 8.21 | 4.82 | 2.37 | 0.78 | 0.13 | | |
| 29 | 5.22 | 7.62 | 58.21 | 29.00 | 28.19 | 44.40 | 12.65 | 8.21 | 4.82 | 2.37 | | 0.25 | | |
| 30 | 4.43 | 7.04 | 166.25 | 27.39 | 22.69 | 26.59 | 11.99 | 8.21 | 4.82 | 2.37 | | 0.25 | | |
| 31 | | 6.04 | | 25.80 | 21.17 | | 11.99 | | 4.43 | 2.37 | | 0.25 | | |
| Total | 37.77 | 196.18 | 700.14 | 1351.73 | 1458.12 | 979.07 | 1081.09 | 287.71 | 181.00 | 101.61 | 46.97 | 10.79 | 6432.18 | Tonday |
| Mean | 1.26 | 6.33 | 23.34 | 43.60 | 47.04 | 32.64 | 34.87 | 9.59 | 5.84 | 3.28 | 1.68 | 0.35 | | Ton/day |
| Max | 5.22 | 18.95 | 166.25 | 182.60 | 223.41 | 226.38 | 232.37 | 11.34 | 7.62 | 4.43 | 2.15 | 0.78 | 232.37 | Ton/day |
| Min | 0.31 | 0.46 | 4.82 | 15.37 | 20.43 | 13.32 | 11.99 | 8.21 | 4.43 | 2.37 | 0.78 | 0.13 | 0.13 | Ton/day |

# WATER YEAR : 2006

## MAE KLONG RIVER BASIN

### Lam Phachi at Ban Dan Thaptako , Ratchaburi (K.61)

Lat 13 - 41 - 28 N Long 99 - 27 - 08 E

**Location : on right bank at the bridge on highway.**

**Ban** Dan Thaptako **Amphoe** Chom Bung **Changwat** Ratchaburi

| | |
|---|---|
| **Drainge Area** | 1,844 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2003-Cont'd |
| **Actual Measurement** | 2003-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 18 |
| **R-Square** | 0.8524 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.9669\ QW^{1.75870}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.23 | 0.47 | 22.06 | 4685.64 | 10.59 | 0.62 | 6.68 | 7.89 | 0.47 | 1.22 | 0.47 | 0.06 | | |
| 2 | 0.39 | 0.47 | 16.16 | 8930.59 | 11.66 | 0.71 | 5.91 | 7.07 | 0.47 | 1.22 | 0.47 | 0.08 | | |
| 3 | 0.27 | 0.35 | 13.51 | 12613.13 | 10.59 | 0.54 | 5.91 | 5.91 | 0.47 | 1.22 | 0.47 | 0.13 | | |
| 4 | 0.39 | 0.13 | 18.28 | 7884.18 | 10.12 | 0.47 | 5.91 | 4.84 | 0.47 | 1.22 | 0.47 | 0.23 | | |
| 5 | 0.27 | 0.19 | 19.76 | 3896.76 | 9.65 | 0.35 | 7.48 | 4.18 | 0.47 | 1.22 | 0.47 | 0.31 | | |
| 6 | 0.19 | 0.27 | 20.51 | 1420.05 | 9.20 | 0.31 | 6.29 | 3.57 | 0.47 | 1.22 | 0.47 | 0.39 | | |
| 7 | 0.19 | 0.19 | 25.31 | 840.38 | 7.89 | 0.35 | 6.29 | 3.27 | 0.47 | 1.22 | 0.47 | 0.35 | | |
| 8 | 0.19 | 0.08 | 22.06 | 287.78 | 5.91 | 1.00 | 5.19 | 2.61 | 0.47 | 1.22 | 0.47 | 0.35 | | |
| 9 | 0.23 | 0.39 | 19.01 | 218.44 | 5.19 | 2.02 | 7.07 | 2.61 | 0.47 | 1.22 | 0.47 | 0.35 | | |
| 10 | 0.35 | 2.61 | 15.48 | 171.52 | 4.84 | 2.41 | 16.16 | 2.61 | 0.47 | 1.22 | 0.47 | 0.35 | | |
| 11 | 0.31 | 0.71 | 11.66 | 136.70 | 5.19 | 2.41 | 38.79 | 2.61 | 0.47 | 1.22 | 0.47 | 0.35 | | |
| 12 | 0.19 | 1.84 | 7.07 | 94.28 | 5.55 | 6.29 | 218.44 | 2.61 | 0.47 | 1.00 | 0.47 | 0.35 | | |
| 13 | 0.19 | 1.00 | 7.48 | 63.51 | 5.91 | 9.65 | 136.70 | 2.41 | 0.47 | 0.71 | 0.39 | 0.31 | | |
| 14 | 0.23 | 1.66 | 6.68 | 85.63 | 5.91 | 29.92 | 100.25 | 2.02 | 0.47 | 0.62 | 0.39 | 0.31 | | |
| 15 | 0.62 | 1.49 | 6.29 | 80.06 | 6.29 | 171.52 | 48.64 | 1.84 | 0.47 | 0.62 | 0.39 | 0.31 | | |
| 16 | 0.90 | 0.13 | 6.29 | 97.25 | 6.29 | 159.03 | 36.16 | 1.84 | 0.47 | 0.62 | 0.39 | 0.31 | | |
| 17 | 1.11 | 2.61 | 7.89 | 85.63 | 6.29 | 51.63 | 26.43 | 1.33 | 0.47 | 0.62 | 0.39 | 0.16 | | |
| 18 | 1.11 | 21.28 | 26.43 | 82.83 | 5.91 | 28.74 | 29.92 | 1.22 | 0.47 | 0.62 | 0.35 | 0.08 | | |
| 19 | 1.00 | 80.06 | 177.93 | 82.83 | 4.51 | 19.76 | 21.28 | 1.11 | 0.47 | 0.62 | 0.35 | 0.04 | | |
| 20 | 1.00 | 318.22 | 85.63 | 91.36 | 3.57 | 15.48 | 27.57 | 0.80 | 0.47 | 0.62 | 0.27 | 0.08 | | |
| 21 | 1.22 | 733.22 | 82.83 | 67.71 | 3.05 | 10.59 | 51.63 | 0.80 | 0.62 | 0.62 | 0.23 | 0.16 | | |
| 22 | 1.22 | 884.99 | 94.28 | 51.63 | 2.41 | 9.20 | 21.28 | 1.00 | 0.80 | 0.62 | 0.13 | 0.27 | | |
| 23 | 1.11 | 1073.31 | 85.63 | 44.30 | 1.66 | 16.16 | 16.86 | 1.00 | 0.80 | 0.62 | 0.10 | 0.47 | | |
| 24 | 0.80 | 775.33 | 91.36 | 32.36 | 1.49 | 29.92 | 19.01 | 0.80 | 1.00 | 0.62 | 0.08 | 0.47 | | |
| 25 | 0.80 | 97.25 | 94.28 | 23.66 | 1.33 | 33.60 | 32.36 | 0.80 | 1.22 | 0.62 | 0.06 | 0.47 | | |
| 26 | 0.80 | 28.74 | 107.93 | 20.51 | 1.22 | 22.86 | 24.48 | 0.80 | 1.49 | 0.62 | 0.06 | 0.47 | | |
| 27 | 0.80 | 25.31 | 204.54 | 18.28 | 1.22 | 16.16 | 15.48 | 0.71 | 1.49 | 0.62 | 0.06 | 0.47 | | |
| 28 | 0.62 | 45.73 | 840.38 | 17.56 | 1.22 | 11.07 | 12.27 | 0.62 | 1.49 | 0.62 | 0.47 | 0.47 | | |
| 29 | 0.47 | 23.66 | 204.54 | 15.48 | 1.22 | 9.65 | 8.75 | 0.54 | 1.49 | 0.47 | | 0.27 | | |
| 30 | 0.47 | 74.66 | 657.73 | 13.51 | 1.00 | 9.65 | 8.32 | 0.47 | 1.49 | 0.47 | | 0.13 | | |
| 31 | | 146.94 | | 11.66 | 0.71 | | 7.89 | | 1.49 | 0.47 | | 0.08 | | |
| Total | 17.67 | 4343.29 | 2998.99 | 42165.21 | 157.59 | 672.07 | 975.40 | 69.89 | 22.78 | 25.84 | 9.75 | 8.63 | 51467.11 | Tonday |
| Mean | 0.59 | 140.11 | 99.97 | 1360.17 | 5.08 | 22.40 | 31.46 | 2.33 | 0.73 | 0.83 | 0.35 | 0.28 | | Ton/day |
| Max | 1.22 | 1073.31 | 840.38 | 12613.13 | 11.66 | 171.52 | 218.44 | 7.89 | 1.49 | 1.22 | 0.47 | 0.47 | 12613.13 | Ton/day |
| Min | 0.19 | 0.08 | 6.29 | 11.66 | 0.71 | 0.31 | 5.19 | 0.47 | 0.47 | 0.47 | 0.06 | 0.04 | 0.04 | Ton/day |

# WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Phetchaburi River at Ban Song Phi Nong , Phetchaburi (B.3A)

Lat 12 - 51 - 47 N Long 99 - 40 - 42 E

**Location : on left bank at Ban Song Phi Nong.**

**Ban** Song Phi Nong **Amphoe** Kaeng Krachan **Changwat** Phetchaburi

| | |
|---|---|
| **Drainge Area** | 2,220 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8238 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.1179\ QW^{1.32440}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 143.09 | 138.25 | 140.67 | 138.25 | 540.61 | 550.05 | 507.89 | 324.08 | 60.26 | 2.43 | 20.22 | 68.45 | | |
| 2 | 87.92 | 131.07 | 172.44 | 135.85 | 531.21 | 559.53 | 526.52 | 166.87 | 58.89 | 2.43 | 18.43 | 66.63 | | |
| 3 | 36.84 | 119.31 | 228.87 | 131.07 | 526.52 | 559.53 | 531.21 | 166.87 | 60.26 | 0.00 | 21.13 | 68.45 | | |
| 4 | 79.61 | 117.00 | 222.35 | 206.25 | 526.52 | 564.29 | 531.21 | 161.34 | 58.89 | 0.97 | 2.43 | 90.09 | | |
| 5 | 121.64 | 117.00 | 209.45 | 480.24 | 517.18 | 573.83 | 526.52 | 166.87 | 50.82 | 57.53 | 2.08 | 85.77 | | |
| 6 | 123.98 | 153.14 | 199.90 | 716.38 | 512.53 | 578.61 | 526.52 | 161.34 | 25.81 | 64.83 | 1.75 | 83.64 | | |
| 7 | 126.34 | 232.14 | 190.46 | 716.38 | 517.18 | 569.05 | 526.52 | 101.09 | 35.80 | 21.13 | 2.26 | 83.64 | | |
| 8 | 131.07 | 245.64 | 206.25 | 691.26 | 517.18 | 573.83 | 517.18 | 94.45 | 24.85 | 10.95 | 0.00 | 85.77 | | |
| 9 | 164.10 | 164.10 | 172.44 | 671.32 | 512.53 | 569.05 | 521.85 | 75.85 | 13.34 | 0.70 | 0.00 | 83.64 | | |
| 10 | 166.87 | 155.86 | 169.65 | 661.40 | 545.33 | 573.83 | 426.12 | 73.98 | 11.73 | 0.00 | 0.45 | 87.92 | | |
| 11 | 169.65 | 153.14 | 169.65 | 656.46 | 559.53 | 569.05 | 175.24 | 77.72 | 13.34 | 12.53 | 48.20 | 52.15 | | |
| 12 | 169.65 | 153.14 | 175.24 | 641.68 | 564.29 | 573.83 | 77.72 | 73.98 | 0.13 | 7.24 | 58.89 | 41.80 | | |
| 13 | 138.25 | 110.11 | 175.24 | 631.87 | 564.29 | 569.05 | 105.58 | 75.85 | 0.00 | 8.68 | 60.26 | 40.54 | | |
| 14 | 166.87 | 105.58 | 110.11 | 631.87 | 569.05 | 550.05 | 238.73 | 94.45 | 0.00 | 7.95 | 60.26 | 40.54 | | |
| 15 | 175.24 | 103.33 | 119.31 | 622.11 | 569.05 | 559.53 | 238.73 | 126.34 | 3.37 | 0.00 | 60.26 | 40.54 | | |
| 16 | 68.45 | 145.52 | 107.84 | 617.23 | 656.46 | 545.33 | 83.64 | 131.07 | 9.42 | 0.00 | 77.72 | 43.06 | | |
| 17 | 48.20 | 153.14 | 105.58 | 607.52 | 853.84 | 540.61 | 57.53 | 83.64 | 10.18 | 25.81 | 101.09 | 41.80 | | |
| 18 | 112.39 | 153.14 | 110.11 | 656.46 | 933.75 | 550.05 | 79.61 | 79.61 | 0.13 | 1.58 | 112.39 | 61.64 | | |
| 19 | 87.92 | 153.14 | 112.39 | 820.14 | 910.74 | 550.05 | 81.51 | 77.72 | 0.00 | 1.75 | 112.39 | 63.03 | | |
| 20 | 128.70 | 153.14 | 72.13 | 899.29 | 836.95 | 545.33 | 209.45 | 79.61 | 0.00 | 1.75 | 92.26 | 81.51 | | |
| 21 | 110.11 | 87.92 | 39.30 | 905.01 | 753.75 | 531.21 | 206.25 | 83.64 | 0.00 | 1.42 | 85.77 | 114.69 | | |
| 22 | 140.67 | 70.28 | 39.30 | 870.81 | 696.27 | 550.05 | 169.65 | 64.83 | 4.58 | 2.08 | 90.09 | 112.39 | | |
| 23 | 153.14 | 63.03 | 35.80 | 814.55 | 636.77 | 545.33 | 153.14 | 61.64 | 10.18 | 35.80 | 56.17 | 117.00 | | |
| 24 | 158.59 | 25.81 | 41.80 | 748.28 | 588.21 | 480.24 | 133.45 | 63.03 | 10.18 | 2.80 | 56.17 | 114.69 | | |
| 25 | 161.34 | 64.83 | 36.84 | 691.26 | 564.29 | 540.61 | 133.45 | 64.83 | 9.42 | 2.62 | 61.64 | 117.00 | | |
| 26 | 161.34 | 161.34 | 36.84 | 641.68 | 550.05 | 540.61 | 128.70 | 64.83 | 10.18 | 2.43 | 70.28 | 117.00 | | |
| 27 | 161.34 | 196.74 | 34.76 | 612.37 | 545.33 | 535.90 | 85.77 | 35.80 | 10.95 | 16.69 | 66.63 | 94.45 | | |
| 28 | 161.34 | 199.90 | 33.74 | 583.41 | 545.33 | 498.63 | 85.77 | 31.71 | 10.95 | 21.13 | 68.45 | 92.26 | | |
| 29 | 161.34 | 90.09 | 36.84 | 564.29 | 550.05 | 517.18 | 103.33 | 53.48 | 19.32 | 22.04 | | 58.89 | | |
| 30 | 119.31 | 66.63 | 107.84 | 550.05 | 550.05 | 521.85 | 166.87 | 57.53 | 11.73 | 23.91 | | 90.09 | | |
| 31 | | 126.34 | | 550.05 | 540.61 | | 301.13 | | 10.18 | 22.97 | | 114.69 | | |
| Total | 3935.30 | 4109.80 | 3613.14 | 18864.79 | 18785.45 | 16486.09 | 8156.79 | 2974.05 | 544.89 | 382.15 | 1407.67 | 2453.76 | 81713.88 | Tonday |
| Mean | 131.18 | 132.57 | 120.44 | 608.54 | 605.98 | 549.54 | 263.12 | 99.13 | 17.58 | 12.33 | 50.27 | 79.15 | | Ton/day |
| Max | 175.24 | 245.64 | 228.87 | 905.01 | 933.75 | 578.61 | 531.21 | 324.08 | 60.26 | 64.83 | 112.39 | 117.00 | 933.75 | Ton/day |
| Min | 36.84 | 25.81 | 33.74 | 131.07 | 512.53 | 480.24 | 57.53 | 31.71 | 0.00 | 0.00 | 0.00 | 40.54 | 0.00 | Ton/day |

# WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Phetchaburi River at Ban Tha Yang , Phetchaburi (B.10)

Lat 12 - 58 - 21 N Long 99 - 53 - 07 E

**Location : on left bank at the bridge of Ban Tha Yang.**

**Ban** Tha Yang **Amphoe** Tha Yang **Changwat** Phetchaburi

| | |
|---|---|
| **Drainge Area** | 4,076 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 1997-Cont'd |
| **Actual Measurement** | 1997-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 30 |
| **R-Square** | 0.8116 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.2468\ QW^{1.22860}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31.70 | 33.05 | 85.58 | 139.16 | 566.73 | 642.68 | 661.94 | 130.06 | 10.50 | 13.55 | 13.04 | 25.14 | | |
| 2 | 46.19 | 29.70 | 89.56 | 202.45 | 610.82 | 626.71 | 665.16 | 225.05 | 10.50 | 14.08 | 13.55 | 37.84 | | |
| 3 | 40.76 | 39.23 | 90.89 | 389.71 | 642.68 | 639.48 | 694.27 | 139.16 | 14.08 | 16.74 | 13.55 | 33.73 | | |
| 4 | 22.59 | 30.37 | 107.85 | 579.26 | 636.28 | 652.29 | 740.01 | 92.23 | 17.28 | 37.84 | 13.04 | 27.73 | | |
| 5 | 17.83 | 25.14 | 128.56 | 649.09 | 601.32 | 645.88 | 743.29 | 136.11 | 25.14 | 14.08 | 12.01 | 25.78 | | |
| 6 | 17.28 | 23.86 | 142.37 | 694.27 | 576.12 | 665.16 | 743.29 | 142.37 | 29.04 | 9.52 | 10.50 | 22.59 | | |
| 7 | 16.20 | 23.86 | 143.99 | 812.94 | 563.60 | 678.07 | 736.72 | 75.15 | 25.14 | 9.52 | 10.50 | 17.28 | | |
| 8 | 15.66 | 23.22 | 125.56 | 953.86 | 576.12 | 691.02 | 723.61 | 81.64 | 24.50 | 26.43 | 10.50 | 16.20 | | |
| 9 | 15.13 | 28.38 | 116.64 | 1030.78 | 620.34 | 694.27 | 697.52 | 67.57 | 24.50 | 23.22 | 10.50 | 15.66 | | |
| 10 | 15.66 | 29.70 | 112.23 | 1038.94 | 604.48 | 684.54 | 687.78 | 50.94 | 23.22 | 18.93 | 10.50 | 15.66 | | |
| 11 | 39.99 | 27.73 | 100.63 | 1006.37 | 576.12 | 684.54 | 766.38 | 36.46 | 23.22 | 12.01 | 11.00 | 16.20 | | |
| 12 | 43.84 | 43.07 | 90.89 | 982.07 | 585.55 | 704.02 | 1154.43 | 35.09 | 24.50 | 10.01 | 12.01 | 16.20 | | |
| 13 | 43.84 | 46.97 | 85.58 | 973.99 | 582.40 | 773.00 | 1183.65 | 33.73 | 17.28 | 9.03 | 17.83 | 16.20 | | |
| 14 | 44.62 | 38.53 | 85.58 | 945.82 | 579.26 | 900.74 | 839.78 | 32.37 | 15.66 | 9.03 | 15.66 | 16.74 | | |
| 15 | 33.73 | 28.38 | 84.27 | 897.33 | 582.40 | 921.23 | 681.30 | 31.03 | 15.66 | 9.52 | 12.52 | 19.49 | | |
| 16 | 32.37 | 25.14 | 41.53 | 856.63 | 585.55 | 1051.21 | 582.40 | 16.20 | 15.66 | 9.03 | 11.50 | 22.59 | | |
| 17 | 33.73 | 25.14 | 122.57 | 836.42 | 604.48 | 1075.82 | 294.33 | 14.60 | 15.66 | 9.52 | 12.01 | 23.22 | | |
| 18 | 28.38 | 35.09 | 190.47 | 826.34 | 749.88 | 917.81 | 193.88 | 15.13 | 15.66 | 9.03 | 13.55 | 20.72 | | |
| 19 | 24.50 | 59.31 | 188.77 | 769.69 | 978.03 | 836.42 | 131.57 | 13.04 | 18.38 | 10.01 | 17.83 | 17.83 | | |
| 20 | 23.86 | 53.95 | 212.82 | 949.84 | 1125.35 | 826.34 | 79.03 | 10.50 | 20.10 | 10.01 | 24.50 | 17.83 | | |
| 21 | 23.86 | 77.73 | 266.08 | 1108.79 | 1150.27 | 792.93 | 90.89 | 9.52 | 20.10 | 10.01 | 23.22 | 17.83 | | |
| 22 | 23.86 | 163.61 | 221.54 | 1234.06 | 1100.53 | 753.17 | 161.96 | 11.00 | 20.10 | 9.52 | 15.13 | 17.83 | | |
| 23 | 23.86 | 178.62 | 187.07 | 1327.46 | 994.21 | 730.16 | 214.56 | 12.52 | 20.10 | 9.52 | 13.04 | 18.38 | | |
| 24 | 23.86 | 148.85 | 181.99 | 1314.65 | 873.55 | 749.88 | 218.05 | 11.50 | 20.10 | 12.52 | 13.04 | 18.93 | | |
| 25 | 23.22 | 119.60 | 175.27 | 1238.27 | 779.63 | 776.32 | 155.38 | 11.50 | 20.10 | 25.14 | 13.04 | 19.49 | | |
| 26 | 23.22 | 97.76 | 185.37 | 1117.06 | 694.27 | 776.32 | 152.11 | 11.50 | 19.49 | 19.49 | 13.04 | 20.10 | | |
| 27 | 24.50 | 28.38 | 190.47 | 990.16 | 626.71 | 789.60 | 142.37 | 11.50 | 12.01 | 16.20 | 13.04 | 23.22 | | |
| 28 | 33.73 | 68.76 | 178.62 | 887.12 | 607.65 | 789.60 | 92.23 | 11.50 | 10.50 | 13.04 | 14.60 | 23.86 | | |
| 29 | 37.84 | 130.06 | 170.25 | 819.64 | 601.32 | 749.88 | 67.57 | 11.50 | 9.52 | 14.08 | | 21.34 | | |
| 30 | 37.84 | 104.95 | 163.61 | 773.00 | 617.17 | 691.02 | 62.83 | 11.50 | 10.01 | 13.55 | | 20.10 | | |
| 31 | | 86.91 | | 740.01 | 652.29 | | 76.44 | | 12.52 | 13.55 | | 20.10 | | |
| Total | 863.65 | 1875.05 | 4266.61 | 27085.18 | 21645.11 | 22910.11 | 14434.73 | 1491.97 | 560.23 | 437.73 | 384.25 | 645.81 | 96600.43 | Tonday |
| Mean | 28.79 | 60.49 | 142.22 | 873.72 | 698.23 | 763.67 | 465.64 | 49.73 | 18.07 | 14.12 | 13.72 | 20.83 | | Ton/day |
| Max | 46.19 | 178.62 | 266.08 | 1327.46 | 1150.27 | 1075.82 | 1183.65 | 225.05 | 29.04 | 37.84 | 24.50 | 37.84 | 1327.46 | Ton/day |
| Min | 15.13 | 23.22 | 41.53 | 139.16 | 563.60 | 626.71 | 62.83 | 9.52 | 9.52 | 9.03 | 10.50 | 15.66 | 9.03 | Ton/day |

# WATER YEAR : 2006

## PHETCHABURI RIVER BASIN

### Huai Mae Prachan at Ban Cha Prong, Phetchaburi (B.11)

Lat 13 - 10 - 23 N Long 99 - 41 - 00 E

**Location : on right bank at the bridge of Ban Cha Prong.**

**Ban** Cha Prong **Amphoe** Nong Ya Plong **Changwat** Phetchaburi

| | |
|---|---|
| **Drainge Area** | 461 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 2000-Cont'd |
| **Actual Measurement** | 2000-Cont'd |
| **Using Rating Curve Water Year** | 2000-2006 |
| **Number of observation** | 90 |
| **R-Square** | 0.8204 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.3818\ QW^{1.31470}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.73 | 0.23 | 0.92 | 38.34 | 19.76 | 8.08 | 19.76 | 0.12 | 4.39 | 4.39 | 4.97 | 3.52 | | |
| 2 | 0.73 | 0.23 | 0.92 | 38.34 | 19.76 | 8.08 | 19.76 | 0.10 | 4.39 | 4.39 | 4.97 | 3.52 | | |
| 3 | 0.73 | 0.23 | 0.92 | 38.34 | 19.76 | 8.08 | 19.76 | 0.10 | 4.39 | 1.25 | 4.97 | 3.52 | | |
| 4 | 1.01 | 0.23 | 0.92 | 38.34 | 19.76 | 8.08 | 19.76 | 0.10 | 4.39 | 0.14 | 4.97 | 3.52 | | |
| 5 | 0.73 | 0.23 | 1.01 | 38.34 | 19.76 | 8.08 | 19.76 | 1.25 | 4.39 | 0.55 | 4.97 | 3.52 | | |
| 6 | 0.73 | 0.30 | 0.73 | 54.63 | 19.76 | 8.08 | 19.76 | 2.61 | 4.39 | 1.25 | 4.97 | 3.52 | | |
| 7 | 0.55 | 1.25 | 0.73 | 103.76 | 19.76 | 8.08 | 20.93 | 0.23 | 4.39 | 1.25 | 4.97 | 3.52 | | |
| 8 | 0.46 | 0.63 | 0.63 | 108.23 | 19.76 | 6.79 | 22.73 | 0.14 | 4.39 | 1.25 | 4.97 | 3.52 | | |
| 9 | 0.38 | 0.55 | 1.50 | 77.98 | 19.76 | 3.52 | 6.17 | 0.12 | 4.39 | 1.50 | 4.97 | 3.52 | | |
| 10 | 0.38 | 0.55 | 1.01 | 51.71 | 19.76 | 3.52 | 0.55 | 0.10 | 4.39 | 3.21 | 4.97 | 3.52 | | |
| 11 | 0.30 | 0.38 | 0.73 | 51.71 | 19.76 | 3.52 | 0.73 | 0.10 | 4.39 | 5.56 | 4.97 | 3.52 | | |
| 12 | 0.23 | 0.38 | 0.73 | 32.26 | 19.76 | 3.21 | 0.55 | 0.10 | 4.39 | 5.56 | 3.83 | 3.52 | | |
| 13 | 0.23 | 0.38 | 32.26 | 19.76 | 18.62 | 3.52 | 4.39 | 0.10 | 4.39 | 5.56 | 3.52 | 3.52 | | |
| 14 | 0.23 | 0.38 | 208.65 | 19.76 | 18.62 | 3.21 | 15.29 | 0.10 | 4.39 | 5.56 | 3.52 | 3.52 | | |
| 15 | 0.30 | 0.38 | 194.45 | 19.76 | 18.62 | 2.90 | 15.29 | 0.10 | 4.39 | 5.56 | 3.52 | 3.52 | | |
| 16 | 1.01 | 0.38 | 194.45 | 19.76 | 18.62 | 2.90 | 6.79 | 0.10 | 4.39 | 5.56 | 3.52 | 3.52 | | |
| 17 | 0.73 | 0.23 | 187.45 | 19.76 | 18.62 | 2.90 | 2.61 | 0.10 | 4.39 | 5.56 | 3.52 | 3.52 | | |
| 18 | 0.73 | 0.23 | 187.45 | 18.62 | 18.62 | 2.90 | 2.32 | 0.10 | 4.39 | 4.97 | 3.52 | 3.52 | | |
| 19 | 0.38 | 0.23 | 187.45 | 18.62 | 18.62 | 2.90 | 11.10 | 0.10 | 4.39 | 4.39 | 3.52 | 3.52 | | |
| 20 | 0.38 | 0.46 | 112.73 | 19.76 | 18.62 | 2.90 | 26.45 | 0.10 | 4.39 | 4.39 | 3.52 | 3.21 | | |
| 21 | 0.38 | 0.92 | 63.63 | 19.76 | 18.62 | 2.90 | 17.49 | 0.38 | 4.39 | 4.39 | 3.52 | 3.52 | | |
| 22 | 0.38 | 0.73 | 48.83 | 19.76 | 18.62 | 3.21 | 17.49 | 4.39 | 4.39 | 4.39 | 3.52 | 3.52 | | |
| 23 | 0.38 | 0.73 | 43.18 | 19.76 | 18.62 | 3.21 | 17.49 | 4.97 | 4.39 | 4.39 | 3.52 | 3.21 | | |
| 24 | 0.23 | 0.73 | 38.34 | 19.76 | 17.49 | 3.21 | 5.56 | 4.97 | 4.39 | 4.97 | 3.52 | 3.21 | | |
| 25 | 0.23 | 0.73 | 38.34 | 19.76 | 17.49 | 3.21 | 0.46 | 4.97 | 4.39 | 4.97 | 3.52 | 3.21 | | |
| 26 | 0.23 | 0.73 | 36.29 | 19.76 | 17.49 | 3.21 | 0.30 | 4.39 | 4.39 | 4.97 | 3.52 | 3.52 | | |
| 27 | 0.23 | 0.55 | 38.34 | 19.76 | 17.49 | 3.21 | 0.16 | 4.39 | 4.39 | 4.97 | 3.52 | 3.52 | | |
| 28 | 0.23 | 0.55 | 38.34 | 19.76 | 17.49 | 3.21 | 0.14 | 4.39 | 4.39 | 4.97 | 3.52 | 3.52 | | |
| 29 | 0.23 | 0.92 | 38.34 | 19.76 | 17.49 | 3.21 | 0.14 | 4.39 | 4.39 | 4.97 | | 3.52 | | |
| 30 | 0.23 | 0.92 | 38.34 | 19.76 | 8.75 | 15.29 | 0.14 | 4.39 | 4.39 | 4.97 | | 3.52 | | |
| 31 | | 0.92 | | 19.76 | 8.08 | | 0.14 | | 4.39 | 4.97 | | 3.52 | | |
| Total | 13.70 | 16.29 | 1737.61 | 1045.14 | 563.71 | 145.12 | 313.97 | 47.50 | 136.09 | 124.78 | 114.82 | 107.88 | 4366.61 | Tonday |
| Mean | 0.46 | 0.53 | 57.92 | 33.71 | 18.18 | 4.84 | 10.13 | 1.58 | 4.39 | 4.03 | 4.10 | 3.48 | | Ton/day |
| Max | 1.01 | 1.25 | 208.65 | 108.23 | 19.76 | 15.29 | 26.45 | 4.97 | 4.39 | 5.56 | 4.97 | 3.52 | 208.65 | Ton/day |
| Min | 0.23 | 0.23 | 0.63 | 18.62 | 8.08 | 2.90 | 0.14 | 0.10 | 4.39 | 0.14 | 3.52 | 3.21 | 0.10 | Ton/day |

# WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Krut at Ban Nong Ya Plong , Prachuap Khiri Khan (Gt.10)

Lat 11 - 24 - 08 N Long 99 - 31 - 18 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 379.**

**Ban** Nong Ya Plong **Amphoe** Bang Saphan **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 113 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 211 |
| **R-Square** | 0.8910 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.1667\ QW^{1.52170}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.25 | 2.06 | 7.41 | 19.32 | 4.04 | 26.59 | 12.79 | 2.91 | 0.74 | 1.77 | 0.84 | 0.39 | | |
| 2 | 5.64 | 1.77 | 5.09 | 3483.70 | 26.59 | 22.17 | 11.60 | 2.32 | 0.74 | 1.77 | 0.84 | 0.39 | | |
| 3 | 15.29 | 1.77 | 5.09 | 550.04 | 11.60 | 17.94 | 10.45 | 2.91 | 0.60 | 1.77 | 0.84 | 0.39 | | |
| 4 | 5.09 | 1.54 | 6.21 | 38.76 | 10.45 | 17.94 | 9.34 | 2.32 | 0.60 | 1.77 | 0.84 | 0.39 | | |
| 5 | 6.80 | 2.32 | 5.09 | 110.11 | 16.60 | 11.60 | 36.20 | 2.32 | 0.60 | 1.77 | 0.84 | 0.39 | | |
| 6 | 5.64 | 2.91 | 4.04 | 70.57 | 24.35 | 16.60 | 28.89 | 2.06 | 1931.45 | 1.54 | 0.84 | 0.39 | | |
| 7 | 2.64 | 1.77 | 2.91 | 41.37 | 16.60 | 11.60 | 24.35 | 2.32 | 131.83 | 1.54 | 0.74 | 0.31 | | |
| 8 | 2.32 | 1.54 | 2.32 | 28.89 | 14.02 | 10.45 | 20.73 | 2.32 | 44.05 | 2.06 | 0.74 | 0.31 | | |
| 9 | 2.06 | 1.54 | 2.32 | 20.73 | 31.26 | 20.73 | 15.29 | 2.32 | 19.32 | 1.77 | 0.60 | 0.31 | | |
| 10 | 2.06 | 1.28 | 2.06 | 17.94 | 291.87 | 19.32 | 15.29 | 2.32 | 15.29 | 1.54 | 0.60 | 0.31 | | |
| 11 | 1.77 | 1.28 | 1.77 | 15.29 | 102.41 | 26.59 | 28.89 | 3.55 | 14.02 | 1.54 | 0.60 | 0.31 | | |
| 12 | 1.54 | 1.28 | 1.77 | 10.45 | 58.26 | 38.76 | 20.73 | 2.32 | 19.32 | 1.54 | 0.51 | 0.31 | | |
| 13 | 1.54 | 1.28 | 2.06 | 9.34 | 33.70 | 19.32 | 15.29 | 1.77 | 10.45 | 1.28 | 0.60 | 0.31 | | |
| 14 | 1.54 | 1.28 | 1.54 | 10.45 | 118.39 | 122.82 | 12.79 | 1.54 | 6.80 | 1.28 | 0.51 | 0.31 | | |
| 15 | 1.54 | 1.28 | 1.28 | 11.60 | 3553.99 | 61.26 | 8.68 | 0.84 | 6.21 | 1.28 | 0.51 | 0.31 | | |
| 16 | 1.54 | 4.55 | 0.84 | 24.35 | 1647.80 | 36.20 | 8.04 | 1.54 | 6.80 | 1.28 | 0.39 | 0.31 | | |
| 17 | 1.54 | 2.64 | 0.84 | 102.41 | 672.68 | 22.17 | 6.21 | 1.54 | 6.80 | 1.28 | 0.39 | 0.31 | | |
| 18 | 1.54 | 3.55 | 0.84 | 77.02 | 343.10 | 16.60 | 5.64 | 1.54 | 5.09 | 1.07 | 0.51 | 0.31 | | |
| 19 | 1.28 | 7.41 | 1.07 | 70.57 | 198.80 | 22.17 | 5.09 | 1.54 | 3.55 | 1.07 | 0.39 | 0.31 | | |
| 20 | 1.28 | 155.28 | 3.55 | 52.41 | 160.13 | 16.60 | 4.55 | 1.28 | 3.25 | 1.07 | 0.39 | 0.31 | | |
| 21 | 1.28 | 49.57 | 2.91 | 33.70 | 114.03 | 14.02 | 4.55 | 0.84 | 4.04 | 1.07 | 0.39 | 0.51 | | |
| 22 | 1.28 | 22.17 | 1.77 | 20.73 | 80.50 | 8.68 | 3.25 | 1.07 | 3.55 | 0.84 | 0.39 | 0.39 | | |
| 23 | 1.07 | 20.73 | 1.28 | 22.17 | 70.57 | 8.68 | 3.55 | 0.84 | 3.55 | 0.84 | 0.39 | 0.39 | | |
| 24 | 0.84 | 14.02 | 5.09 | 14.02 | 61.26 | 11.60 | 2.91 | 0.84 | 3.25 | 3.25 | 0.39 | 0.31 | | |
| 25 | 2.64 | 9.34 | 12.79 | 10.45 | 58.26 | 17.94 | 2.91 | 0.74 | 2.06 | 1.54 | 0.39 | 0.31 | | |
| 26 | 3.25 | 8.68 | 5.09 | 8.68 | 44.05 | 16.60 | 2.32 | 0.74 | 2.06 | 1.28 | 0.39 | 0.31 | | |
| 27 | 2.64 | 6.21 | 19.32 | 8.04 | 31.26 | 22.17 | 3.55 | 0.74 | 2.06 | 1.28 | 0.39 | 0.31 | | |
| 28 | 5.09 | 9.34 | 8.04 | 8.04 | 31.26 | 17.94 | 26.59 | 0.74 | 1.77 | 1.28 | 0.39 | 0.21 | | |
| 29 | 3.55 | 9.34 | 11.60 | 5.64 | 24.35 | 19.32 | 11.60 | 0.74 | 1.77 | 1.07 | | 0.21 | | |
| 30 | 2.32 | 6.80 | 14.02 | 5.09 | 24.35 | 15.29 | 5.09 | 0.74 | 1.77 | 1.07 | | 0.21 | | |
| 31 | | 8.04 | | 5.09 | 24.35 | | 4.04 | | 1.77 | 0.84 | | 0.07 | | |
| Total | 89.86 | 362.57 | 140.01 | 4906.97 | 7900.88 | 709.67 | 371.20 | 49.61 | 2255.16 | 44.35 | 15.64 | 9.91 | 16855.83 | Tonday |
| Mean | 3.00 | 11.70 | 4.67 | 158.29 | 254.87 | 23.66 | 11.97 | 1.65 | 72.75 | 1.43 | 0.56 | 0.32 | | Ton/day |
| Max | 15.29 | 155.28 | 19.32 | 3483.70 | 3553.99 | 122.82 | 36.20 | 3.55 | 1931.45 | 3.25 | 0.84 | 0.51 | 3553.99 | Ton/day |
| Min | 0.84 | 1.28 | 0.84 | 5.09 | 4.04 | 8.68 | 2.32 | 0.74 | 0.60 | 0.84 | 0.39 | 0.07 | 0.07 | Ton/day |

# WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Yai at Ban Chang Laek , Prachuap Khiri Khan (Gt.11)

Lat 11 - 03 - 44 N Long 99 - 22 - 30 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 423.**

**Ban** Chang Laek **Amphoe** Bang Saphan Noi **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 61 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 208 |
| **R-Square** | 0.9095 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.0902\ QW^{1.57100}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.43 | 5.23 | 7.33 | 4.09 | 4.09 | 6.78 | 5.73 | 0.82 | 1.64 | 0.23 | 0.08 | | |
| 2 | 0.00 | 0.43 | 4.75 | 4924.83 | 3.77 | 3.77 | 5.73 | 5.23 | 0.68 | 1.64 | 0.23 | 0.08 | | |
| 3 | 0.00 | 0.43 | 4.42 | 488.60 | 3.47 | 3.47 | 5.23 | 4.75 | 0.68 | 1.46 | 0.23 | 0.08 | | |
| 4 | 2.88 | 0.33 | 4.09 | 68.63 | 4.75 | 3.17 | 4.42 | 4.75 | 0.55 | 1.46 | 0.15 | 0.03 | | |
| 5 | 1.46 | 0.33 | 3.77 | 21.08 | 6.25 | 4.09 | 4.09 | 4.42 | 0.55 | 1.29 | 0.15 | 0.03 | | |
| 6 | 0.23 | 0.43 | 3.17 | 15.55 | 9.07 | 4.42 | 4.75 | 4.42 | 366.91 | 1.29 | 0.15 | 0.03 | | |
| 7 | 0.03 | 0.15 | 2.88 | 13.71 | 9.07 | 3.77 | 5.23 | 4.09 | 82.14 | 1.29 | 0.15 | 0.08 | | |
| 8 | 0.03 | 0.08 | 2.60 | 8.47 | 8.47 | 3.17 | 5.73 | 3.17 | 24.44 | 1.29 | 0.15 | 0.08 | | |
| 9 | 0.03 | 0.00 | 1.83 | 4.75 | 8.47 | 2.88 | 13.71 | 2.60 | 16.50 | 1.13 | 0.23 | 0.08 | | |
| 10 | 0.00 | 0.00 | 1.46 | 2.88 | 16.50 | 2.34 | 14.62 | 3.47 | 11.12 | 1.13 | 0.23 | 0.08 | | |
| 11 | 0.00 | 0.00 | 1.46 | 1.46 | 6.25 | 3.77 | 9.68 | 3.17 | 8.47 | 1.13 | 0.23 | 0.08 | | |
| 12 | 0.00 | 0.03 | 1.29 | 1.29 | 5.23 | 4.09 | 8.47 | 2.34 | 7.90 | 0.97 | 0.23 | 0.03 | | |
| 13 | 0.03 | 0.03 | 1.29 | 1.29 | 4.42 | 7.33 | 7.90 | 2.08 | 6.78 | 0.97 | 0.23 | 0.03 | | |
| 14 | 0.08 | 0.15 | 1.13 | 0.97 | 4.09 | 33.59 | 6.78 | 1.64 | 6.25 | 0.97 | 0.23 | 0.03 | | |
| 15 | 0.15 | 0.33 | 0.97 | 1.29 | 855.66 | 8.47 | 6.78 | 1.29 | 5.73 | 0.82 | 0.23 | 0.03 | | |
| 16 | 0.33 | 0.43 | 0.82 | 2.08 | 238.41 | 6.25 | 6.25 | 1.29 | 5.23 | 0.82 | 0.23 | 0.03 | | |
| 17 | 1.83 | 0.68 | 0.68 | 4.09 | 164.45 | 5.73 | 5.73 | 1.13 | 4.75 | 0.68 | 0.23 | 0.03 | | |
| 18 | 1.64 | 1.13 | 0.55 | 6.25 | 48.40 | 5.23 | 6.25 | 1.13 | 4.42 | 0.68 | 0.23 | 0.03 | | |
| 19 | 1.13 | 1.83 | 0.68 | 9.07 | 31.67 | 4.42 | 9.07 | 1.29 | 4.09 | 0.55 | 0.23 | 0.03 | | |
| 20 | 0.55 | 8.47 | 0.97 | 11.96 | 18.46 | 3.77 | 9.07 | 1.29 | 3.77 | 0.55 | 0.23 | 0.03 | | |
| 21 | 0.55 | 7.90 | 0.97 | 8.47 | 14.62 | 3.47 | 6.78 | 1.13 | 3.17 | 0.43 | 0.15 | 0.15 | | |
| 22 | 0.55 | 3.17 | 1.29 | 7.33 | 10.30 | 3.47 | 5.73 | 1.13 | 2.88 | 0.43 | 0.15 | 0.33 | | |
| 23 | 0.68 | 2.60 | 1.46 | 6.25 | 9.07 | 3.77 | 5.73 | 1.13 | 2.60 | 0.43 | 0.15 | 0.23 | | |
| 24 | 0.68 | 2.34 | 3.47 | 5.23 | 8.47 | 4.09 | 6.25 | 0.97 | 2.34 | 0.33 | 0.15 | 0.23 | | |
| 25 | 0.55 | 1.83 | 14.62 | 4.75 | 7.90 | 6.25 | 7.90 | 0.97 | 2.34 | 0.33 | 0.15 | 0.23 | | |
| 26 | 0.55 | 1.83 | 6.25 | 4.42 | 6.78 | 9.68 | 9.68 | 0.82 | 2.34 | 0.33 | 0.08 | 0.15 | | |
| 27 | 0.68 | 1.64 | 4.75 | 4.42 | 6.25 | 10.30 | 7.90 | 0.82 | 2.08 | 0.33 | 0.08 | 0.08 | | |
| 28 | 0.68 | 1.64 | 9.07 | 4.09 | 6.25 | 8.47 | 7.33 | 0.68 | 1.83 | 0.33 | 0.08 | 0.08 | | |
| 29 | 0.55 | 2.88 | 8.47 | 3.77 | 5.73 | 7.90 | 6.25 | 0.82 | 1.83 | 0.33 | | 0.08 | | |
| 30 | 0.55 | 4.75 | 6.78 | 3.77 | 5.23 | 6.78 | 6.78 | 0.82 | 1.83 | 0.33 | | 0.15 | | |
| 31 | | 5.73 | | 3.47 | 4.09 | | 5.73 | | 1.64 | 0.33 | | 0.15 | | |
| Total | 16.42 | 52.00 | 101.17 | 5651.55 | 1535.64 | 182.00 | 222.33 | 68.57 | 586.66 | 25.69 | 5.19 | 2.86 | 8450.08 | Tonday |
| Mean | 0.55 | 1.68 | 3.37 | 182.31 | 49.54 | 6.07 | 7.17 | 2.29 | 18.92 | 0.83 | 0.19 | 0.09 | | Ton/day |
| Max | 2.88 | 8.47 | 14.62 | 4924.83 | 855.66 | 33.59 | 14.62 | 5.73 | 366.91 | 1.64 | 0.23 | 0.33 | 4924.83 | Ton/day |
| Min | 0.00 | 0.00 | 0.55 | 0.97 | 3.47 | 2.34 | 4.09 | 0.68 | 0.55 | 0.33 | 0.08 | 0.03 | 0.00 | Ton/day |

# WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Huai Sai at Ban Suan Son Huai Sai , Prachuap Khiri Khan (Gt.15)

Lat 11 - 40 - 33 N Long 99 - 41 - 44 E

**Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 342, Huai Sai.**

**Ban** Suan Son Huai Sai **Amphoe** Mueang **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 25 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2002-Cont'd |
| **Actual Measurement** | 2002-Cont'd |
| **Using Rating Curve Water Year** | 2002-2006 |
| **Number of observation** | 36 |
| **R-Square** | 0.7313 |
| **Remarks** | Continued Sediment Station |

$$QS = 10.5760\ QW^{1.41390}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 1.01 | 1.75 | 1.32 | 1.57 | 2.02 | 1.16 | 0.20 | 0.11 | 0.02 | 0.00 | | |
| 2 | 0.00 | 0.00 | 1.01 | 23.14 | 1.49 | 1.49 | 1.57 | 1.16 | 0.20 | 0.11 | 0.02 | 0.00 | | |
| 3 | 0.00 | 0.00 | 0.94 | 10.88 | 1.32 | 1.32 | 1.24 | 1.01 | 0.15 | 0.11 | 0.02 | 0.00 | | |
| 4 | 0.00 | 0.00 | 0.94 | 6.13 | 1.49 | 1.24 | 1.24 | 1.01 | 0.15 | 0.11 | 0.02 | 0.00 | | |
| 5 | 0.04 | 0.00 | 0.79 | 4.31 | 1.24 | 1.16 | 1.16 | 1.01 | 0.30 | 0.11 | 0.02 | 0.00 | | |
| 6 | 0.02 | 0.00 | 0.79 | 3.75 | 1.16 | 2.02 | 1.16 | 0.94 | 3.75 | 0.11 | 0.02 | 0.00 | | |
| 7 | 0.04 | 0.00 | 0.79 | 3.10 | 1.32 | 2.21 | 1.49 | 0.94 | 1.32 | 0.07 | 0.02 | 0.00 | | |
| 8 | 0.07 | 0.00 | 0.79 | 2.40 | 1.24 | 1.57 | 1.84 | 0.94 | 0.79 | 0.07 | 0.02 | 0.00 | | |
| 9 | 0.04 | 0.00 | 0.72 | 2.21 | 1.57 | 1.49 | 2.21 | 0.79 | 0.59 | 0.07 | 0.02 | 0.00 | | |
| 10 | 0.04 | 0.00 | 0.72 | 1.84 | 2.90 | 1.32 | 3.10 | 0.79 | 0.47 | 0.07 | 0.02 | 0.00 | | |
| 11 | 0.04 | 0.00 | 0.72 | 1.75 | 2.90 | 1.49 | 2.40 | 0.72 | 0.47 | 0.04 | 0.02 | 0.00 | | |
| 12 | 0.04 | 0.00 | 0.72 | 1.57 | 2.21 | 3.53 | 2.02 | 0.72 | 0.41 | 0.04 | 0.02 | 0.00 | | |
| 13 | 0.02 | 0.00 | 0.72 | 1.16 | 2.21 | 3.75 | 1.84 | 0.66 | 0.41 | 0.04 | 0.02 | 0.00 | | |
| 14 | 0.02 | 0.00 | 0.72 | 1.01 | 2.21 | 5.38 | 1.75 | 0.66 | 0.41 | 0.04 | 0.00 | 0.00 | | |
| 15 | 0.02 | 0.00 | 0.66 | 1.32 | 5.02 | 4.66 | 1.57 | 0.66 | 0.30 | 0.04 | 0.00 | 0.00 | | |
| 16 | 0.00 | 0.00 | 0.66 | 1.84 | 7.71 | 5.75 | 1.57 | 0.59 | 0.30 | 0.04 | 0.00 | 0.00 | | |
| 17 | 0.00 | 0.00 | 0.66 | 1.75 | 23.14 | 4.66 | 1.49 | 0.59 | 0.30 | 0.04 | 0.00 | 0.00 | | |
| 18 | 0.00 | 0.04 | 0.59 | 1.75 | 15.33 | 3.97 | 1.49 | 0.53 | 0.25 | 0.04 | 0.00 | 0.00 | | |
| 19 | 0.00 | 0.07 | 0.59 | 1.84 | 7.31 | 4.31 | 1.32 | 0.53 | 0.25 | 0.04 | 0.00 | 0.00 | | |
| 20 | 0.00 | 0.79 | 0.59 | 2.59 | 4.66 | 3.53 | 1.24 | 0.47 | 0.20 | 0.04 | 0.00 | 0.00 | | |
| 21 | 0.00 | 1.01 | 0.59 | 2.59 | 3.75 | 1.24 | 1.24 | 0.47 | 0.20 | 0.04 | 0.02 | 0.00 | | |
| 22 | 0.00 | 0.79 | 0.79 | 2.21 | 3.53 | 1.16 | 1.16 | 0.47 | 0.15 | 0.04 | 0.02 | 0.00 | | |
| 23 | 0.00 | 0.72 | 1.01 | 1.84 | 3.31 | 1.84 | 1.16 | 0.47 | 0.15 | 0.04 | 0.02 | 0.00 | | |
| 24 | 0.00 | 0.66 | 0.94 | 1.75 | 3.10 | 2.90 | 1.49 | 0.41 | 0.15 | 0.04 | 0.02 | 0.00 | | |
| 25 | 0.00 | 0.59 | 0.94 | 1.57 | 2.90 | 3.31 | 1.57 | 0.41 | 0.15 | 0.04 | 0.02 | 0.00 | | |
| 26 | 0.00 | 0.59 | 0.79 | 1.49 | 2.90 | 3.53 | 1.57 | 0.41 | 0.15 | 0.02 | 0.00 | 0.00 | | |
| 27 | 0.00 | 0.59 | 0.94 | 1.49 | 2.59 | 2.59 | 1.32 | 0.30 | 0.15 | 0.02 | 0.00 | 0.00 | | |
| 28 | 0.00 | 1.01 | 1.01 | 1.49 | 2.40 | 2.21 | 1.24 | 0.30 | 0.11 | 0.02 | 0.00 | 0.00 | | |
| 29 | 0.00 | 1.57 | 1.16 | 1.24 | 2.02 | 2.02 | 1.24 | 0.25 | 0.11 | 0.02 | | 0.00 | | |
| 30 | 0.00 | 0.79 | 1.24 | 1.16 | 1.75 | 1.75 | 1.16 | 0.25 | 0.11 | 0.02 | | 0.00 | | |
| 31 | | 0.94 | | 1.32 | 1.57 | | 1.16 | | 0.11 | 0.02 | | 0.00 | | |
| Total | 0.39 | 10.16 | 24.54 | 94.24 | 117.57 | 78.97 | 48.03 | 19.62 | 12.76 | 1.66 | 0.36 | 0.00 | 408.30 | Tonday |
| Mean | 0.01 | 0.33 | 0.82 | 3.04 | 3.79 | 2.63 | 1.55 | 0.65 | 0.41 | 0.05 | 0.01 | 0.00 | | Ton/day |
| Max | 0.07 | 1.57 | 1.24 | 23.14 | 23.14 | 5.75 | 3.10 | 1.16 | 3.75 | 0.11 | 0.02 | 0.00 | 23.14 | Ton/day |
| Min | 0.00 | 0.00 | 0.59 | 1.01 | 1.16 | 1.16 | 1.16 | 0.25 | 0.11 | 0.02 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## WEST COAST - GULF BASIN

### Khlong Ang Thong at Ban Ang Thong , Prachuap Khiri Khan (Gt.19)

Lat 11 - 26 - 10 N Long 99 - 33 - 54 E

**Location : on left bank at the bridge of Phet Kasem Highway near the guidepost 373.**

**Ban** Ang Thong **Amphoe** Thap Sakae **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 61 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 1998-Cont'd |
| **Actual Measurement** | 1998-Cont'd |
| **Using Rating Curve Water Year** | 1998-2006 |
| **Number of observation** | 167 |
| **R-Square** | 0.9407 |
| **Remarks** | Continued Sediment Station |

$$QS = 8.2798\ QW^{1.22480}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.55 | 0.95 | 1.01 | 2.70 | 5.92 | 1.15 | 3.37 | 0.81 | 0.62 | 0.68 | 0.07 | 0.16 | | |
| 2 | 0.55 | 0.95 | 1.01 | 929.53 | 20.30 | 1.08 | 2.21 | 0.81 | 0.55 | 0.68 | 0.07 | 0.11 | | |
| 3 | 0.62 | 0.95 | 1.01 | 187.99 | 18.41 | 0.95 | 1.74 | 0.75 | 0.55 | 0.62 | 0.03 | 0.07 | | |
| 4 | 1.44 | 0.95 | 1.08 | 59.74 | 19.35 | 1.01 | 1.44 | 0.75 | 0.49 | 0.62 | 0.03 | 0.07 | | |
| 5 | 1.01 | 1.01 | 1.08 | 28.20 | 20.30 | 2.70 | 1.08 | 0.81 | 0.49 | 0.62 | 0.03 | 0.07 | | |
| 6 | 0.95 | 1.01 | 1.01 | 9.10 | 19.35 | 2.53 | 1.15 | 0.81 | 96.72 | 0.55 | 0.03 | 0.03 | | |
| 7 | 0.88 | 1.01 | 1.01 | 3.03 | 14.72 | 2.21 | 1.01 | 0.88 | 14.72 | 0.55 | 0.07 | 0.03 | | |
| 8 | 0.75 | 0.95 | 0.95 | 2.37 | 8.28 | 1.89 | 0.95 | 0.88 | 6.69 | 0.62 | 0.07 | 0.03 | | |
| 9 | 0.68 | 0.95 | 0.75 | 2.21 | 3.37 | 1.89 | 1.59 | 0.81 | 2.37 | 0.62 | 0.11 | 0.00 | | |
| 10 | 0.68 | 0.95 | 0.55 | 2.05 | 37.60 | 1.59 | 2.70 | 1.01 | 1.15 | 0.68 | 0.16 | 0.00 | | |
| 11 | 0.68 | 1.01 | 0.49 | 1.89 | 104.42 | 2.37 | 2.21 | 1.08 | 1.01 | 0.68 | 0.16 | 0.00 | | |
| 12 | 0.68 | 1.01 | 0.49 | 1.89 | 89.13 | 3.72 | 2.05 | 0.88 | 0.95 | 0.62 | 0.16 | 0.00 | | |
| 13 | 0.68 | 1.08 | 0.43 | 2.21 | 74.32 | 9.93 | 1.89 | 0.81 | 0.88 | 0.62 | 0.16 | 0.00 | | |
| 14 | 0.68 | 1.08 | 0.38 | 3.37 | 57.70 | 15.63 | 1.89 | 0.81 | 0.81 | 0.55 | 0.16 | 0.00 | | |
| 15 | 0.75 | 1.15 | 0.38 | 3.72 | 217.16 | 18.41 | 1.74 | 0.81 | 0.75 | 0.49 | 0.16 | 0.00 | | |
| 16 | 0.75 | 1.44 | 0.32 | 3.72 | 418.44 | 14.72 | 1.74 | 0.75 | 0.75 | 0.49 | 0.11 | 0.00 | | |
| 17 | 0.75 | 1.74 | 0.32 | 4.07 | 163.12 | 7.88 | 1.59 | 0.75 | 0.68 | 0.43 | 0.11 | 0.00 | | |
| 18 | 0.88 | 1.89 | 0.26 | 5.16 | 59.74 | 6.30 | 1.44 | 0.75 | 0.68 | 0.32 | 0.11 | 0.00 | | |
| 19 | 0.88 | 2.05 | 0.26 | 5.92 | 15.63 | 5.54 | 1.30 | 0.81 | 0.62 | 0.21 | 0.11 | 0.00 | | |
| 20 | 0.95 | 6.69 | 0.32 | 6.30 | 7.88 | 3.72 | 1.15 | 0.81 | 0.62 | 0.07 | 0.11 | 0.00 | | |
| 21 | 0.95 | 3.37 | 0.32 | 5.54 | 7.48 | 3.37 | 1.15 | 0.75 | 0.62 | 0.07 | 0.11 | 0.00 | | |
| 22 | 0.95 | 1.89 | 0.26 | 4.43 | 4.43 | 3.72 | 1.15 | 0.75 | 0.49 | 0.07 | 0.07 | 0.00 | | |
| 23 | 0.95 | 1.59 | 0.26 | 3.37 | 7.08 | 4.07 | 1.08 | 0.68 | 0.49 | 0.07 | 0.07 | 0.00 | | |
| 24 | 0.95 | 1.44 | 0.49 | 2.53 | 5.92 | 6.30 | 1.30 | 0.68 | 0.55 | 0.03 | 0.07 | 0.00 | | |
| 25 | 1.01 | 1.44 | 18.41 | 2.21 | 4.43 | 9.51 | 1.44 | 0.68 | 0.55 | 0.03 | 0.07 | 0.00 | | |
| 26 | 1.01 | 1.30 | 5.92 | 1.89 | 3.72 | 8.28 | 1.59 | 0.62 | 0.62 | 0.03 | 0.11 | 0.00 | | |
| 27 | 1.01 | 1.44 | 2.53 | 1.89 | 3.03 | 7.48 | 1.59 | 0.62 | 0.62 | 0.07 | 0.16 | 0.00 | | |
| 28 | 1.01 | 1.74 | 2.21 | 1.74 | 2.70 | 5.92 | 1.44 | 0.62 | 0.62 | 0.07 | 0.16 | 0.00 | | |
| 29 | 1.01 | 2.21 | 2.05 | 1.74 | 1.89 | 4.79 | 1.59 | 0.68 | 0.62 | 0.11 | | 0.00 | | |
| 30 | 1.01 | 2.53 | 2.21 | 1.59 | 1.59 | 4.43 | 1.59 | 0.62 | 0.62 | 0.11 | | 0.00 | | |
| 31 | | 1.30 | | 1.44 | 1.15 | | 1.59 | | 0.62 | 0.11 | | 0.00 | | |
| Total | 25.65 | 49.07 | 47.77 | 1293.54 | 1418.56 | 163.09 | 49.75 | 23.28 | 138.52 | 11.49 | 2.84 | 0.57 | 3224.13 | Tonday |
| Mean | 0.86 | 1.58 | 1.59 | 41.73 | 45.76 | 5.44 | 1.60 | 0.78 | 4.47 | 0.37 | 0.10 | 0.02 | | Ton/day |
| Max | 1.44 | 6.69 | 18.41 | 929.53 | 418.44 | 18.41 | 3.37 | 1.08 | 96.72 | 0.68 | 0.16 | 0.16 | 929.53 | Ton/day |
| Min | 0.55 | 0.95 | 0.26 | 1.44 | 1.15 | 0.95 | 0.95 | 0.62 | 0.49 | 0.03 | 0.03 | 0.00 | 0.00 | Ton/day |

## WATER YEAR : 2006

### KUI BURI RIVER BASIN

**Kui Buri River at Ban Thung Faek , Prachuap Khiri Khan (Ky.3)**

Lat 12 - 05 - 46 N Long 99 - 47 - 26 E

**Location : on left bank at Bunchuai Bamrungrat Bridge near Wat Udom Wararam.**

**Ban** Thung Faek **Amphoe** Kui Buri **Changwat** Prachuap Khiri Khan

| | |
|---|---|
| **Drainge Area** | 537 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2000-Cont'd |
| **Actual Measurement** | 2000-Cont'd |
| **Using Rating Curve Water Year** | 2000-2006 |
| **Number of observation** | 166 |
| **R-Square** | 0.7531 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.2055\ QW^{1.21880}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.02 | 0.00 | 47.44 | 29.94 | 28.66 | 36.50 | 35.17 | 4.82 | 2.21 | 0.37 | 0.04 | 0.04 | | |
| 2 | 0.02 | 0.01 | 40.09 | 241.94 | 28.66 | 36.50 | 35.17 | 4.21 | 1.94 | 0.37 | 0.04 | 0.04 | | |
| 3 | 0.02 | 0.01 | 41.91 | 550.79 | 28.66 | 36.50 | 31.24 | 4.21 | 1.71 | 0.20 | 0.20 | 0.04 | | |
| 4 | 0.02 | 0.00 | 43.74 | 311.01 | 28.66 | 36.50 | 32.54 | 3.91 | 1.71 | 0.04 | 0.37 | 0.04 | | |
| 5 | 0.01 | 0.00 | 43.74 | 230.74 | 28.66 | 36.50 | 29.94 | 3.62 | 1.23 | 0.04 | 0.37 | 0.04 | | |
| 6 | 0.01 | 0.00 | 53.10 | 181.60 | 28.66 | 36.50 | 28.66 | 3.04 | 0.99 | 0.04 | 0.37 | 0.04 | | |
| 7 | 0.01 | 0.00 | 77.26 | 125.25 | 29.94 | 36.50 | 26.12 | 2.75 | 0.77 | 0.04 | 0.20 | 0.57 | | |
| 8 | 0.01 | 0.00 | 40.09 | 88.60 | 29.94 | 36.50 | 24.87 | 2.48 | 0.77 | 0.04 | 0.04 | 0.20 | | |
| 9 | 0.01 | 0.01 | 29.94 | 70.44 | 29.94 | 47.44 | 26.12 | 1.94 | 0.57 | 0.03 | 0.20 | 0.04 | | |
| 10 | 0.00 | 0.01 | 26.12 | 63.74 | 29.94 | 36.50 | 26.12 | 1.45 | 0.57 | 0.04 | 0.04 | 0.04 | | |
| 11 | 0.00 | 0.01 | 24.87 | 63.74 | 29.94 | 36.50 | 26.12 | 1.23 | 0.37 | 0.04 | 0.03 | 0.04 | | |
| 12 | 0.00 | 0.01 | 24.87 | 61.54 | 28.66 | 36.50 | 31.24 | 0.99 | 0.37 | 0.04 | 0.03 | 0.04 | | |
| 13 | 0.01 | 0.01 | 7.40 | 53.10 | 28.66 | 36.50 | 31.24 | 0.99 | 0.37 | 0.04 | 0.03 | 0.20 | | |
| 14 | 0.01 | 0.01 | 2.75 | 55.01 | 29.94 | 43.74 | 28.66 | 1.23 | 0.37 | 0.03 | 0.20 | 1.23 | | |
| 15 | 0.01 | 0.01 | 1.45 | 57.17 | 94.37 | 41.91 | 28.66 | 1.23 | 0.99 | 0.03 | 0.37 | 1.45 | | |
| 16 | 0.01 | 0.03 | 1.23 | 59.35 | 718.18 | 40.09 | 26.12 | 1.45 | 0.99 | 0.04 | 0.37 | 1.23 | | |
| 17 | 0.01 | 0.03 | 0.77 | 63.74 | 653.04 | 40.09 | 27.39 | 1.45 | 0.99 | 0.03 | 0.57 | 1.23 | | |
| 18 | 0.01 | 0.03 | 0.37 | 49.31 | 291.52 | 38.29 | 27.39 | 1.45 | 0.99 | 0.03 | 0.37 | 1.23 | | |
| 19 | 0.01 | 0.02 | 0.37 | 43.74 | 155.26 | 36.50 | 28.66 | 1.23 | 0.77 | 0.03 | 0.37 | 1.23 | | |
| 20 | 0.01 | 0.03 | 1.45 | 43.74 | 94.37 | 35.17 | 27.39 | 0.99 | 0.77 | 0.03 | 0.37 | 1.23 | | |
| 21 | 0.01 | 0.99 | 0.77 | 41.91 | 72.70 | 36.50 | 12.13 | 0.77 | 0.57 | 0.04 | 0.04 | 0.77 | | |
| 22 | 0.01 | 3.62 | 0.57 | 45.58 | 63.74 | 35.17 | 7.40 | 0.57 | 0.20 | 0.04 | 0.03 | 0.37 | | |
| 23 | 0.01 | 6.09 | 0.37 | 41.91 | 59.35 | 32.54 | 6.41 | 0.57 | 0.20 | 0.04 | 0.03 | 0.37 | | |
| 24 | 0.01 | 8.07 | 0.37 | 40.09 | 53.10 | 16.64 | 5.45 | 1.23 | 0.04 | 0.04 | 0.03 | 0.04 | | |
| 25 | 0.00 | 10.51 | 0.04 | 35.17 | 45.58 | 13.79 | 4.51 | 1.71 | 0.04 | 0.04 | 0.03 | 0.04 | | |
| 26 | 0.00 | 9.98 | 0.04 | 32.54 | 41.91 | 13.79 | 3.91 | 1.71 | 0.04 | 0.03 | 0.03 | 0.04 | | |
| 27 | 0.00 | 28.66 | 0.04 | 28.66 | 40.09 | 28.66 | 3.62 | 1.94 | 0.04 | 0.03 | 0.03 | 0.04 | | |
| 28 | 0.00 | 57.17 | 7.07 | 27.39 | 40.09 | 32.54 | 3.62 | 1.94 | 0.20 | 0.03 | 0.03 | 0.03 | | |
| 29 | 0.00 | 72.70 | 12.13 | 28.66 | 38.29 | 32.54 | 3.32 | 1.71 | 0.77 | 0.04 | | 0.03 | | |
| 30 | 0.00 | 82.89 | 18.59 | 28.66 | 36.50 | 33.85 | 3.32 | 1.94 | 0.37 | 0.04 | | 0.03 | | |
| 31 | | 61.54 | | 27.39 | 33.85 | | 3.62 | | 0.20 | 0.04 | | 0.03 | | |
| Total | 0.25 | 342.45 | 548.95 | 2822.45 | 2940.86 | 1037.25 | 636.13 | 58.76 | 22.12 | 1.96 | 4.83 | 11.99 | 8428.00 | Tonday |
| Mean | 0.01 | 11.05 | 18.30 | 91.05 | 94.87 | 34.57 | 20.52 | 1.96 | 0.71 | 0.06 | 0.17 | 0.39 | | Ton/day |
| Max | 0.02 | 82.89 | 77.26 | 550.79 | 718.18 | 47.44 | 35.17 | 4.82 | 2.21 | 0.37 | 0.57 | 1.45 | 718.18 | Ton/day |
| Min | 0.00 | 0.00 | 0.04 | 27.39 | 28.66 | 13.79 | 3.32 | 0.57 | 0.04 | 0.03 | 0.03 | 0.03 | 0.00 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Chumphon at Ban Wang Phai , Chumphon (X.53A)

Lat 10 - 30 - 20 N Long 99 - 07 - 15 E

**Location : on left bank about 9.50 kilometers downstream from X.53 station.**

**Ban** Wang Phai **Amphoe** Mueang **Changwat** Chumphon

| | |
|---|---|
| **Drainge Area** | 296 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 1996-Cont'd |
| **Actual Measurement** | 1996-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8194 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.4624\ QW^{1.43620}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.49 | 11.49 | 19.86 | 37.77 | 725.57 | 62.75 | 398.79 | 35.20 | 15.83 | 16.48 | 8.66 | 4.24 | | |
| 2 | 17.81 | 12.08 | 15.18 | 1200.69 | 246.12 | 49.66 | 187.43 | 22.70 | 13.91 | 16.48 | 8.66 | 4.24 | | |
| 3 | 17.14 | 12.08 | 18.49 | 1996.10 | 114.38 | 32.69 | 102.50 | 23.43 | 15.18 | 15.83 | 8.66 | 4.24 | | |
| 4 | 17.14 | 12.68 | 16.48 | 485.87 | 244.33 | 36.03 | 347.37 | 27.94 | 13.91 | 15.83 | 8.66 | 3.40 | | |
| 5 | 17.14 | 13.29 | 12.68 | 165.38 | 182.68 | 37.77 | 511.18 | 17.14 | 14.54 | 15.83 | 8.66 | 3.40 | | |
| 6 | 16.48 | 13.91 | 17.81 | 343.50 | 465.91 | 35.20 | 1331.07 | 9.20 | 92.43 | 15.83 | 8.66 | 3.00 | | |
| 7 | 15.83 | 15.18 | 15.18 | 123.89 | 412.00 | 31.08 | 639.49 | 10.33 | 1530.99 | 17.81 | 8.66 | 2.62 | | |
| 8 | 16.48 | 15.83 | 10.90 | 67.00 | 1058.91 | 30.29 | 423.35 | 22.70 | 495.95 | 15.83 | 8.66 | 2.62 | | |
| 9 | 21.98 | 19.17 | 9.76 | 36.03 | 2469.12 | 38.67 | 289.02 | 21.27 | 197.14 | 17.14 | 8.12 | 2.62 | | |
| 10 | 21.98 | 21.27 | 9.20 | 32.69 | 1425.38 | 41.31 | 396.60 | 34.32 | 87.58 | 15.83 | 8.12 | 2.25 | | |
| 11 | 19.86 | 22.70 | 8.66 | 28.72 | 702.44 | 29.50 | 441.80 | 31.08 | 24.17 | 15.83 | 8.12 | 2.25 | | |
| 12 | 18.49 | 23.43 | 8.66 | 60.66 | 451.11 | 31.88 | 666.56 | 30.29 | 311.24 | 15.18 | 8.12 | 2.25 | | |
| 13 | 17.81 | 26.41 | 9.20 | 31.88 | 394.53 | 29.50 | 407.47 | 119.79 | 121.15 | 15.18 | 8.12 | 1.90 | | |
| 14 | 17.81 | 28.72 | 8.66 | 33.50 | 673.04 | 32.69 | 571.28 | 105.11 | 71.34 | 15.18 | 8.12 | 1.90 | | |
| 15 | 17.14 | 33.50 | 9.20 | 210.30 | 5715.88 | 31.08 | 287.14 | 42.24 | 50.58 | 14.54 | 8.12 | 1.90 | | |
| 16 | 15.18 | 41.31 | 9.20 | 205.38 | 3331.92 | 36.03 | 176.34 | 17.14 | 46.80 | 12.68 | 8.12 | 1.90 | | |
| 17 | 12.68 | 60.66 | 8.66 | 330.13 | 1772.46 | 61.70 | 126.73 | 31.88 | 38.67 | 12.68 | 7.60 | 1.90 | | |
| 18 | 11.49 | 80.47 | 9.76 | 265.47 | 998.92 | 70.25 | 93.69 | 24.91 | 29.50 | 11.49 | 7.60 | 1.90 | | |
| 19 | 11.49 | 103.80 | 9.20 | 162.29 | 549.92 | 51.57 | 78.14 | 14.54 | 26.41 | 12.68 | 7.08 | 1.90 | | |
| 20 | 10.33 | 129.59 | 9.20 | 216.98 | 270.89 | 44.06 | 90.00 | 16.48 | 24.91 | 12.68 | 7.08 | 15.18 | | |
| 21 | 10.33 | 92.43 | 8.66 | 311.24 | 247.82 | 33.50 | 101.21 | 23.43 | 22.70 | 15.18 | 7.08 | 9.76 | | |
| 22 | 9.76 | 78.14 | 8.66 | 200.40 | 160.80 | 28.72 | 78.14 | 24.91 | 21.27 | 12.68 | 6.09 | 9.76 | | |
| 23 | 9.76 | 72.44 | 8.66 | 181.04 | 106.42 | 25.66 | 29.50 | 17.14 | 19.86 | 12.68 | 6.09 | 12.08 | | |
| 24 | 8.66 | 73.54 | 8.66 | 138.29 | 85.19 | 27.94 | 200.40 | 19.17 | 19.17 | 11.49 | 5.61 | 12.68 | | |
| 25 | 8.66 | 42.24 | 9.20 | 111.71 | 128.20 | 55.52 | 200.40 | 13.91 | 19.17 | 10.33 | 5.61 | 10.90 | | |
| 26 | 8.66 | 29.50 | 31.88 | 90.00 | 136.87 | 1781.00 | 153.16 | 15.18 | 19.17 | 9.76 | 5.61 | 7.08 | | |
| 27 | 8.66 | 21.98 | 15.18 | 64.87 | 133.96 | 1850.46 | 114.38 | 15.83 | 19.17 | 11.49 | 4.69 | 7.08 | | |
| 28 | 9.76 | 21.27 | 13.29 | 65.93 | 117.08 | 862.87 | 105.11 | 17.14 | 19.17 | 9.76 | 4.24 | 9.76 | | |
| 29 | 8.12 | 17.14 | 13.91 | 57.56 | 93.69 | 571.28 | 73.54 | 16.48 | 17.81 | 9.76 | | 8.12 | | |
| 30 | 7.60 | 13.91 | 12.68 | 56.53 | 68.08 | 478.42 | 91.25 | 15.83 | 17.14 | 9.76 | | 7.08 | | |
| 31 | | 12.68 | | 85.19 | 65.93 | | 54.51 | | 17.14 | 9.20 | | 7.08 | | |
| Total | 422.72 | 1172.84 | 366.72 | 7396.99 | 23549.55 | 6529.08 | 8767.55 | 836.71 | 3434.00 | 423.10 | 208.62 | 166.99 | 53274.87 | Tonday |
| Mean | 14.09 | 37.83 | 12.22 | 238.61 | 759.66 | 217.64 | 282.82 | 27.89 | 110.77 | 13.65 | 7.45 | 5.39 | | Ton/day |
| Max | 21.98 | 129.59 | 31.88 | 1996.10 | 5715.88 | 1850.46 | 1331.07 | 119.79 | 1530.99 | 17.81 | 8.66 | 15.18 | 5715.88 | Ton/day |
| Min | 7.60 | 11.49 | 8.66 | 28.72 | 65.93 | 25.66 | 29.50 | 9.20 | 13.91 | 9.20 | 4.24 | 1.90 | 1.90 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Tha Sae at Ban Tha Sae , Chumphon (X.64)

Lat 10 - 39 - 51 N Long 99 - 10 - 26 E

**Location : on left bank near the Land Cooperation Office.**

**Ban** Tha Sae **Amphoe** Tha Sae **Changwat** Chumphon

| | |
|---|---|
| **Drainge Area** | 946 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH - 59 |
| **Period of Available Records** | 1996 - Cont' d |
| **Actual Measurement** | 1996 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9179 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.2664\ QW^{1.44930}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.95 | 22.68 | 290.97 | 207.90 | 99.58 | 265.43 | 371.76 | 99.58 | 32.65 | 31.52 | 20.70 | 14.51 | | |
| 2 | 12.23 | 21.35 | 189.49 | 3355.14 | 101.71 | 179.22 | 298.39 | 89.15 | 31.52 | 30.42 | 20.70 | 13.93 | | |
| 3 | 18.77 | 20.05 | 123.75 | 26056.02 | 132.93 | 156.76 | 226.82 | 77.11 | 30.42 | 29.68 | 20.70 | 13.93 | | |
| 4 | 6.64 | 19.40 | 103.85 | 8533.06 | 114.77 | 154.33 | 455.02 | 69.87 | 30.42 | 29.68 | 20.70 | 13.93 | | |
| 5 | 17.52 | 42.03 | 77.11 | 1999.49 | 395.13 | 139.95 | 480.73 | 65.63 | 29.68 | 29.68 | 19.40 | 13.93 | | |
| 6 | 5.31 | 53.42 | 77.11 | 895.43 | 927.05 | 119.24 | 778.45 | 61.48 | 38.43 | 29.68 | 18.77 | 13.93 | | |
| 7 | 0.60 | 38.43 | 56.07 | 491.14 | 672.43 | 103.85 | 649.53 | 57.41 | 14374.29 | 29.68 | 18.77 | 13.93 | | |
| 8 | 0.00 | 48.26 | 48.26 | 313.42 | 2207.08 | 279.94 | 390.26 | 54.74 | 4808.21 | 29.68 | 18.77 | 13.93 | | |
| 9 | 0.08 | 34.92 | 44.49 | 213.25 | 2169.75 | 324.84 | 621.25 | 53.42 | 475.56 | 29.68 | 18.77 | 13.35 | | |
| 10 | 2.27 | 34.92 | 43.25 | 164.14 | 1077.90 | 424.75 | 939.80 | 164.14 | 258.27 | 29.68 | 18.77 | 13.35 | | |
| 11 | 5.75 | 31.52 | 38.43 | 135.26 | 638.17 | 156.76 | 1867.75 | 67.03 | 161.67 | 29.68 | 18.14 | 13.35 | | |
| 12 | 16.29 | 28.96 | 33.78 | 121.49 | 470.40 | 576.84 | 2630.52 | 81.56 | 475.56 | 29.68 | 18.14 | 13.35 | | |
| 13 | 5.75 | 28.96 | 30.42 | 103.85 | 321.02 | 207.90 | 920.70 | 233.70 | 302.13 | 28.96 | 17.52 | 13.35 | | |
| 14 | 1.08 | 25.41 | 29.68 | 119.24 | 429.75 | 470.40 | 610.05 | 72.74 | 159.21 | 27.52 | 16.90 | 13.35 | | |
| 15 | 0.22 | 36.08 | 28.24 | 166.63 | 19996.41 | 324.84 | 400.02 | 62.85 | 114.77 | 26.11 | 16.90 | 13.35 | | |
| 16 | 0.00 | 68.45 | 26.81 | 194.70 | 27991.09 | 181.77 | 283.60 | 61.48 | 87.10 | 24.72 | 16.90 | 12.79 | | |
| 17 | 6.64 | 61.48 | 26.11 | 2656.92 | 14114.77 | 269.04 | 224.08 | 60.11 | 77.11 | 23.35 | 16.90 | 12.79 | | |
| 18 | 8.55 | 465.25 | 24.03 | 2114.80 | 6614.83 | 132.93 | 184.33 | 57.41 | 65.63 | 23.35 | 16.90 | 12.79 | | |
| 19 | 2.27 | 460.13 | 24.72 | 971.89 | 2683.39 | 126.03 | 181.77 | 87.10 | 61.48 | 23.35 | 15.69 | 12.23 | | |
| 20 | 0.40 | 1196.41 | 560.45 | 506.88 | 1461.62 | 114.77 | 213.25 | 57.41 | 56.07 | 22.68 | 15.69 | 12.23 | | |
| 21 | 0.00 | 1995.46 | 112.56 | 390.26 | 851.75 | 101.71 | 192.09 | 50.82 | 50.82 | 22.01 | 15.69 | 52.12 | | |
| 22 | 0.00 | 754.47 | 52.12 | 294.67 | 598.92 | 91.20 | 144.70 | 46.99 | 48.26 | 22.01 | 15.69 | 43.25 | | |
| 23 | 0.00 | 367.78 | 39.62 | 215.94 | 444.86 | 78.58 | 123.75 | 48.26 | 46.99 | 22.01 | 15.09 | 42.03 | | |
| 24 | 0.00 | 380.57 | 93.28 | 205.23 | 336.39 | 77.11 | 114.77 | 50.82 | 44.49 | 21.35 | 15.09 | 25.41 | | |
| 25 | 2.60 | 207.90 | 1513.14 | 171.63 | 598.92 | 91.20 | 197.32 | 42.03 | 39.62 | 21.35 | 15.09 | 21.35 | | |
| 26 | 1.08 | 151.90 | 1148.54 | 176.68 | 707.23 | 1285.71 | 154.33 | 40.82 | 38.43 | 21.35 | 14.51 | 39.62 | | |
| 27 | 5.75 | 501.62 | 424.75 | 130.62 | 952.59 | 1478.73 | 161.67 | 38.43 | 37.25 | 21.35 | 14.51 | 22.01 | | |
| 28 | 6.19 | 610.05 | 202.58 | 112.56 | 475.56 | 876.63 | 184.33 | 36.08 | 37.25 | 21.35 | 14.51 | 18.14 | | |
| 29 | 5.75 | 328.68 | 179.22 | 110.37 | 313.42 | 796.58 | 305.88 | 34.92 | 36.08 | 21.35 | | 17.52 | | |
| 30 | 0.40 | 298.39 | 258.27 | 97.47 | 233.70 | 820.96 | 169.12 | 34.92 | 34.92 | 20.70 | | 16.90 | | |
| 31 | | 332.52 | | 83.06 | 202.58 | | 121.49 | | 32.65 | 20.70 | | 16.90 | | |
| Total | 134.09 | 8667.45 | 5901.10 | 51309.14 | 88335.70 | 10408.00 | 14597.53 | 2058.01 | 22116.94 | 794.31 | 485.91 | 583.55 | 205391.73 | Tonday |
| Mean | 4.47 | 279.60 | 196.70 | 1655.13 | 2849.54 | 346.93 | 470.89 | 68.60 | 713.45 | 25.62 | 17.35 | 18.82 | | Ton/day |
| Max | 18.77 | 1995.46 | 1513.14 | 26056.02 | 27991.09 | 1478.73 | 2630.52 | 233.70 | 14374.29 | 31.52 | 20.70 | 52.12 | 27991.09 | Ton/day |
| Min | 0.00 | 19.40 | 24.03 | 83.06 | 99.58 | 77.11 | 114.77 | 34.92 | 29.68 | 20.70 | 14.51 | 12.23 | 0.00 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Ban Tan at Ban Wang Kong , Nakhon Si Thammarat (X.70)

Lat 08 - 25 - 34 N Long 99 - 51 - 47 E

**Location : on left bank upstream side of the bridge.**

**Ban** Wang Kong **Amphoe** Mueang **Changwat** Nakhon Si Thammarat

| | |
|---|---|
| **Drainge Area** | 36 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH - 59 |
| **Period of Available Records** | 1989 - 2010,2014 - Cont' d |
| **Actual Measurement** | 1989 - 2010,2014 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 20 |
| **R-Square** | 0.8244 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.5449\ QW^{0.82030}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.43 | 3.31 | 3.59 | 3.15 | 2.27 | 2.36 | 2.36 | 2.14 | 2.87 | 5.28 | 3.86 | 2.06 | | |
| 2 | 3.31 | 3.15 | 3.59 | 2.74 | 2.57 | 2.06 | 2.27 | 2.14 | 2.87 | 3.98 | 3.86 | 2.36 | | |
| 3 | 3.71 | 3.59 | 3.43 | 2.87 | 2.14 | 2.14 | 2.57 | 3.59 | 2.87 | 3.98 | 3.71 | 2.36 | | |
| 4 | 4.24 | 3.59 | 3.98 | 3.31 | 2.06 | 2.06 | 2.57 | 6.82 | 3.31 | 3.31 | 3.59 | 2.36 | | |
| 5 | 4.77 | 3.43 | 3.71 | 2.74 | 1.92 | 3.86 | 2.57 | 5.28 | 3.15 | 2.87 | 3.71 | 2.36 | | |
| 6 | 3.98 | 5.28 | 4.91 | 2.74 | 2.06 | 2.57 | 2.27 | 5.28 | 3.31 | 3.31 | 3.43 | 2.27 | | |
| 7 | 3.71 | 4.24 | 4.40 | 2.87 | 2.57 | 2.57 | 2.27 | 4.66 | 4.77 | 6.68 | 3.43 | 2.06 | | |
| 8 | 3.59 | 3.98 | 3.31 | 2.57 | 2.57 | 3.59 | 2.14 | 4.66 | 3.98 | 15.55 | 3.98 | 2.06 | | |
| 9 | 3.31 | 3.98 | 3.31 | 2.57 | 2.87 | 2.57 | 2.06 | 3.98 | 4.91 | 8.03 | 3.59 | 1.92 | | |
| 10 | 3.31 | 3.98 | 3.31 | 2.36 | 2.57 | 2.06 | 2.06 | 3.43 | 4.66 | 7.36 | 3.59 | 1.83 | | |
| 11 | 3.86 | 5.28 | 3.86 | 1.92 | 2.14 | 3.31 | 2.87 | 4.66 | 7.36 | 7.36 | 3.43 | 1.46 | | |
| 12 | 3.59 | 3.71 | 3.43 | 2.49 | 2.14 | 2.57 | 2.14 | 5.71 | 8.03 | 6.96 | 3.31 | 1.46 | | |
| 13 | 3.59 | 3.15 | 3.43 | 2.57 | 2.06 | 2.14 | 2.14 | 5.28 | 8.68 | 5.28 | 3.15 | 1.46 | | |
| 14 | 3.86 | 3.03 | 3.59 | 2.57 | 2.06 | 2.49 | 2.57 | 5.28 | 5.28 | 5.28 | 3.15 | 2.06 | | |
| 15 | 3.59 | 2.57 | 3.98 | 2.87 | 2.57 | 2.36 | 3.98 | 8.03 | 4.91 | 5.28 | 2.57 | 2.06 | | |
| 16 | 3.43 | 2.14 | 2.57 | 2.74 | 2.57 | 2.06 | 3.86 | 8.03 | 8.03 | 4.66 | 2.57 | 2.06 | | |
| 17 | 3.31 | 3.43 | 3.98 | 2.57 | 2.57 | 2.06 | 3.86 | 7.36 | 97.23 | 5.99 | 2.87 | 2.06 | | |
| 18 | 3.71 | 3.71 | 4.40 | 2.36 | 2.57 | 2.27 | 2.14 | 7.36 | 13.44 | 5.28 | 2.87 | 1.92 | | |
| 19 | 3.71 | 3.98 | 3.98 | 2.49 | 2.36 | 2.27 | 2.57 | 5.99 | 5.71 | 5.02 | 3.31 | 3.03 | | |
| 20 | 3.71 | 3.59 | 3.86 | 2.36 | 2.27 | 2.14 | 49.35 | 5.71 | 5.28 | 5.28 | 3.15 | 3.31 | | |
| 21 | 3.59 | 3.71 | 3.31 | 2.36 | 2.27 | 2.06 | 6.55 | 5.71 | 5.28 | 5.28 | 3.03 | 5.28 | | |
| 22 | 3.59 | 3.59 | 3.31 | 2.36 | 2.36 | 1.46 | 5.28 | 5.28 | 5.28 | 5.28 | 2.87 | 4.91 | | |
| 23 | 3.59 | 3.98 | 3.31 | 2.27 | 2.27 | 2.36 | 8.03 | 5.28 | 5.85 | 4.91 | 2.74 | 3.31 | | |
| 24 | 3.86 | 3.71 | 3.98 | 3.31 | 2.14 | 2.06 | 8.84 | 4.91 | 5.17 | 4.77 | 2.57 | 2.57 | | |
| 25 | 3.43 | 3.43 | 3.98 | 2.57 | 2.06 | 1.69 | 8.84 | 4.51 | 4.91 | 4.51 | 2.57 | 4.66 | | |
| 26 | 3.59 | 3.59 | 5.28 | 2.14 | 2.27 | 1.92 | 5.28 | 4.77 | 4.66 | 4.66 | 2.49 | 3.59 | | |
| 27 | 3.43 | 4.24 | 8.03 | 2.06 | 2.27 | 1.92 | 4.91 | 3.31 | 3.86 | 4.66 | 2.49 | 3.98 | | |
| 28 | 3.31 | 3.86 | 3.43 | 2.57 | 2.27 | 2.36 | 3.71 | 3.31 | 5.28 | 3.98 | 2.36 | 3.71 | | |
| 29 | 3.15 | 3.59 | 3.31 | 2.49 | 2.14 | 2.57 | 3.59 | 3.59 | 5.28 | 3.98 | | 3.59 | | |
| 30 | 3.03 | 5.28 | 3.15 | 2.36 | 2.06 | 3.86 | 3.59 | 3.31 | 5.28 | 3.98 | | 3.31 | | |
| 31 | | 5.02 | | 2.36 | 2.49 | | 2.57 | | 5.28 | 3.98 | | 3.15 | | |
| Total | 108.29 | 117.12 | 115.71 | 79.71 | 71.51 | 71.77 | 159.81 | 149.37 | 256.78 | 166.73 | 88.25 | 84.58 | 1469.63 | Tonday |
| Mean | 3.61 | 3.78 | 3.86 | 2.57 | 2.31 | 2.39 | 5.16 | 4.98 | 8.28 | 5.38 | 3.15 | 2.73 | | Ton/day |
| Max | 4.77 | 5.28 | 8.03 | 3.31 | 2.87 | 3.86 | 49.35 | 8.03 | 97.23 | 15.55 | 3.98 | 5.28 | 97.23 | Ton/day |
| Min | 3.03 | 2.14 | 2.57 | 1.92 | 1.92 | 1.46 | 2.06 | 2.14 | 2.87 | 2.87 | 2.36 | 1.46 | 1.46 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

## Khlong Klai at Ban Hua Na , Nakhon Si Thammarat (X.149)

Lat 08 - 43 - 46 N Long 99 - 44 - 53 E

**Location : on left bank at Ban Hua Na.**

**Ban** Hua Na **Amphoe** Nopphitam **Changwat** Nakhon Si Thammarat

| | |
|---|---|
| **Drainge Area** | 475 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 1998 - 2006, 2012 - Cont' d |
| **Actual Measurement** | 1998 - 2006, 2012 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.8028 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.3793\ QW^{1.90790}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54.01 | 50.61 | 76.57 | 44.14 | 27.27 | 30.68 | 61.11 | 107.57 | 76.57 | 44.14 | 36.17 | 13.49 | | |
| 2 | 64.82 | 72.55 | 72.55 | 40.06 | 30.68 | 25.63 | 42.08 | 102.84 | 76.57 | 38.09 | 38.09 | 13.49 | | |
| 3 | 76.57 | 89.24 | 57.51 | 44.14 | 27.27 | 22.50 | 93.67 | 102.84 | 61.11 | 36.17 | 36.17 | 12.52 | | |
| 4 | 72.55 | 84.92 | 50.61 | 64.82 | 25.63 | 36.17 | 68.63 | 954.47 | 57.51 | 34.29 | 34.29 | 12.52 | | |
| 5 | 107.57 | 61.11 | 93.67 | 44.14 | 24.04 | 42.08 | 76.57 | 540.94 | 57.51 | 32.46 | 32.46 | 11.58 | | |
| 6 | 84.92 | 61.11 | 158.53 | 40.06 | 24.04 | 30.68 | 57.51 | 376.20 | 50.61 | 32.46 | 30.68 | 11.58 | | |
| 7 | 50.61 | 68.63 | 80.69 | 64.82 | 22.50 | 40.06 | 61.11 | 244.82 | 50.61 | 112.41 | 28.95 | 11.58 | | |
| 8 | 42.08 | 54.01 | 57.51 | 40.06 | 34.29 | 72.55 | 42.08 | 172.90 | 76.57 | 1236.27 | 27.27 | 10.67 | | |
| 9 | 40.06 | 195.55 | 76.57 | 38.09 | 28.95 | 42.08 | 36.17 | 138.10 | 93.67 | 289.89 | 25.63 | 10.67 | | |
| 10 | 57.51 | 117.34 | 50.61 | 36.17 | 28.95 | 50.61 | 36.17 | 227.82 | 64.82 | 219.53 | 25.63 | 10.67 | | |
| 11 | 98.20 | 84.92 | 80.69 | 36.17 | 22.50 | 48.41 | 50.61 | 144.76 | 54.01 | 195.55 | 24.04 | 10.67 | | |
| 12 | 187.85 | 76.57 | 89.24 | 72.55 | 22.50 | 387.86 | 36.17 | 280.59 | 76.57 | 122.38 | 24.04 | 9.81 | | |
| 13 | 117.34 | 68.63 | 64.82 | 89.24 | 21.01 | 107.57 | 42.08 | 309.80 | 48.41 | 117.34 | 22.50 | 9.81 | | |
| 14 | 112.41 | 72.55 | 80.69 | 68.63 | 22.50 | 158.53 | 180.30 | 399.69 | 42.08 | 80.69 | 22.50 | 9.81 | | |
| 15 | 68.63 | 54.01 | 98.20 | 61.11 | 132.76 | 68.63 | 93.67 | 1533.62 | 40.06 | 72.55 | 21.01 | 8.97 | | |
| 16 | 76.57 | 50.61 | 72.55 | 72.55 | 158.53 | 57.51 | 72.55 | 731.18 | 107.57 | 61.11 | 21.01 | 16.83 | | |
| 17 | 57.51 | 72.55 | 127.52 | 48.41 | 127.52 | 42.08 | 107.57 | 658.85 | 1636.89 | 117.34 | 19.57 | 9.81 | | |
| 18 | 50.61 | 84.92 | 76.57 | 46.25 | 76.57 | 40.06 | 48.41 | 694.57 | 342.24 | 61.11 | 19.57 | 8.97 | | |
| 19 | 46.25 | 64.82 | 64.82 | 42.08 | 50.61 | 34.29 | 57.51 | 474.22 | 195.55 | 61.11 | 19.57 | 18.18 | | |
| 20 | 44.14 | 89.24 | 203.40 | 40.06 | 38.09 | 30.68 | 749.82 | 513.75 | 122.38 | 93.67 | 18.18 | 13.49 | | |
| 21 | 42.08 | 98.20 | 132.76 | 36.17 | 30.68 | 27.27 | 299.33 | 364.71 | 80.69 | 68.63 | 18.18 | 21.01 | | |
| 22 | 38.09 | 68.63 | 76.57 | 36.17 | 25.63 | 25.63 | 132.76 | 253.55 | 64.82 | 57.51 | 16.83 | 25.63 | | |
| 23 | 93.67 | 387.86 | 64.82 | 36.17 | 25.63 | 24.04 | 107.57 | 187.85 | 68.63 | 48.41 | 16.83 | 24.04 | | |
| 24 | 127.52 | 172.90 | 76.57 | 36.17 | 24.04 | 25.63 | 7476.91 | 151.57 | 61.11 | 44.14 | 16.83 | 12.52 | | |
| 25 | 102.84 | 122.38 | 98.20 | 32.46 | 24.04 | 22.50 | 676.60 | 122.38 | 54.01 | 42.08 | 15.54 | 44.14 | | |
| 26 | 236.25 | 112.41 | 144.76 | 30.68 | 40.06 | 21.01 | 331.25 | 107.57 | 50.61 | 54.01 | 15.54 | 32.46 | | |
| 27 | 80.69 | 151.57 | 112.41 | 27.27 | 27.27 | 36.17 | 203.40 | 93.67 | 48.41 | 44.14 | 14.49 | 144.76 | | |
| 28 | 57.51 | 98.20 | 68.63 | 28.95 | 24.04 | 72.55 | 138.10 | 84.92 | 46.25 | 44.14 | 14.49 | 151.57 | | |
| 29 | 46.25 | 76.57 | 57.51 | 27.27 | 24.04 | 44.14 | 122.38 | 76.57 | 48.41 | 40.06 | | 30.68 | | |
| 30 | 44.14 | 219.53 | 48.41 | 25.63 | 25.63 | 187.85 | 102.84 | 68.63 | 57.51 | 38.09 | | 21.01 | | |
| 31 | | 93.67 | | 30.68 | 61.11 | | 117.34 | | 46.25 | 38.09 | | 16.83 | | |
| Total | 2379.25 | 3175.81 | 2613.96 | 1381.17 | 1278.38 | 1855.45 | 11722.27 | 10220.95 | 3958.01 | 3577.86 | 656.06 | 759.77 | 43578.94 | Tonday |
| Mean | 79.31 | 102.45 | 87.13 | 44.55 | 41.24 | 61.85 | 378.14 | 340.70 | 127.68 | 115.41 | 23.43 | 24.51 | | Ton/day |
| Max | 236.25 | 387.86 | 203.40 | 89.24 | 158.53 | 387.86 | 7476.91 | 1533.62 | 1636.89 | 1236.27 | 38.09 | 151.57 | 7476.91 | Ton/day |
| Min | 38.09 | 50.61 | 48.41 | 25.63 | 21.01 | 21.01 | 36.17 | 68.63 | 40.06 | 32.46 | 14.49 | 8.97 | 8.97 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

## Khlong Tha Taphao at Ban Wang Khrok , Chumphon (X.158)

Lat 10 - 35 - 34 N Long 99 - 08 - 43 E

**Location : on right bank at the bridge on Chumphon - Prachuap Khiri Khan Highway.**

**Ban** Wang Khrok **Amphoe** Tha Sae **Changwat** Chumphon

| | |
|---|---|
| **Drainge Area** | 1,814 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH - 59 |
| **Period of Available Records** | 1996 - Cont' d |
| **Actual Measurement** | 1996 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9037 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.1894\ QW^{1.49120}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 87.82 | 57.03 | 486.22 | 295.64 | 458.21 | 1006.17 | 1070.54 | 261.41 | 117.42 | 103.62 | 57.03 | 36.86 | | |
| 2 | 134.72 | 54.51 | 308.83 | 4216.66 | 400.24 | 641.93 | 1006.17 | 228.60 | 114.61 | 103.62 | 57.03 | 36.86 | | |
| 3 | 137.68 | 52.02 | 236.66 | 20001.71 | 437.57 | 507.59 | 712.90 | 221.61 | 114.61 | 101.31 | 55.76 | 36.86 | | |
| 4 | 128.87 | 47.18 | 197.74 | 17197.52 | 472.15 | 412.36 | 2065.92 | 214.70 | 111.83 | 101.31 | 55.76 | 36.86 | | |
| 5 | 225.10 | 114.61 | 168.40 | 6501.72 | 1531.72 | 364.61 | 2525.37 | 204.47 | 109.07 | 99.01 | 54.51 | 36.86 | | |
| 6 | 117.42 | 120.25 | 174.79 | 3183.39 | 2022.59 | 335.77 | 3767.93 | 201.10 | 134.72 | 109.07 | 53.26 | 36.86 | | |
| 7 | 81.32 | 106.33 | 149.73 | 1423.28 | 2264.59 | 324.46 | 2264.59 | 204.47 | 9327.63 | 92.24 | 53.26 | 36.86 | | |
| 8 | 59.58 | 125.97 | 128.87 | 791.55 | 7669.42 | 696.92 | 649.70 | 201.10 | 5609.56 | 92.24 | 53.26 | 36.86 | | |
| 9 | 64.81 | 87.82 | 120.25 | 500.43 | 9666.39 | 688.97 | 1237.09 | 197.74 | 985.01 | 92.24 | 52.02 | 35.76 | | |
| 10 | 81.32 | 106.33 | 117.42 | 358.78 | 4430.54 | 712.90 | 2812.52 | 232.62 | 451.30 | 87.82 | 52.02 | 35.76 | | |
| 11 | 99.01 | 125.97 | 114.61 | 286.95 | 2459.30 | 394.23 | 5582.25 | 225.10 | 274.08 | 83.46 | 52.02 | 35.76 | | |
| 12 | 140.66 | 101.31 | 106.33 | 274.08 | 2109.55 | 641.93 | 6291.43 | 214.70 | 720.93 | 83.46 | 52.02 | 35.76 | | |
| 13 | 106.33 | 90.02 | 103.62 | 253.07 | 1700.68 | 430.76 | 3183.39 | 588.46 | 486.22 | 81.32 | 50.80 | 35.76 | | |
| 14 | 152.79 | 72.91 | 96.74 | 244.82 | 2022.59 | 543.86 | 2022.59 | 228.60 | 269.84 | 81.32 | 49.58 | 33.61 | | |
| 15 | 96.74 | 117.42 | 90.02 | 791.55 | 29972.60 | 507.59 | 1305.90 | 228.60 | 221.61 | 79.18 | 49.58 | 32.55 | | |
| 16 | 77.07 | 131.78 | 87.82 | 720.93 | 35605.18 | 376.37 | 902.65 | 228.60 | 191.09 | 77.07 | 48.37 | 31.50 | | |
| 17 | 94.48 | 146.68 | 85.63 | 6202.01 | 23944.19 | 458.21 | 688.97 | 228.60 | 174.79 | 74.98 | 47.18 | 30.46 | | |
| 18 | 79.18 | 522.00 | 81.32 | 3962.60 | 15933.80 | 304.41 | 580.94 | 221.61 | 171.59 | 74.98 | 47.18 | 29.43 | | |
| 19 | 68.82 | 1294.35 | 87.82 | 2377.53 | 9327.63 | 341.48 | 696.92 | 221.61 | 165.24 | 72.91 | 45.99 | 28.42 | | |
| 20 | 64.81 | 2232.65 | 300.02 | 1191.91 | 3919.06 | 269.84 | 611.19 | 221.61 | 149.73 | 68.82 | 44.81 | 27.42 | | |
| 21 | 64.81 | 4721.07 | 194.41 | 902.65 | 2296.67 | 248.94 | 514.77 | 178.01 | 140.66 | 68.82 | 43.64 | 103.62 | | |
| 22 | 59.58 | 1483.20 | 134.72 | 912.12 | 1619.77 | 228.60 | 412.36 | 214.70 | 131.78 | 66.80 | 42.49 | 134.72 | | |
| 23 | 54.51 | 855.77 | 111.83 | 712.90 | 1214.43 | 228.60 | 352.98 | 191.09 | 128.87 | 66.80 | 41.34 | 87.82 | | |
| 24 | 59.58 | 1305.90 | 152.79 | 818.87 | 953.54 | 228.60 | 543.86 | 162.10 | 128.87 | 66.80 | 40.20 | 94.48 | | |
| 25 | 85.63 | 558.59 | 1038.19 | 712.90 | 1700.68 | 269.84 | 828.05 | 140.66 | 120.25 | 66.80 | 40.20 | 103.62 | | |
| 26 | 77.07 | 341.48 | 1169.52 | 641.93 | 2812.52 | 2898.89 | 580.94 | 134.72 | 117.42 | 66.80 | 40.20 | 79.18 | | |
| 27 | 96.74 | 1495.28 | 514.77 | 522.00 | 3091.91 | 5527.76 | 437.57 | 131.78 | 117.42 | 64.81 | 39.08 | 60.87 | | |
| 28 | 103.62 | 902.65 | 304.41 | 406.29 | 1838.38 | 2727.01 | 451.30 | 128.87 | 114.61 | 64.81 | 37.96 | 57.03 | | |
| 29 | 99.01 | 558.59 | 265.61 | 352.98 | 1114.17 | 1852.35 | 688.97 | 125.97 | 111.83 | 60.87 | | 59.58 | | |
| 30 | 70.85 | 418.46 | 412.36 | 318.85 | 800.62 | 2094.97 | 430.76 | 123.10 | 109.07 | 59.58 | | 64.81 | | |
| 31 | | 500.43 | | 313.27 | 681.05 | | 304.41 | | 106.33 | 59.58 | | 52.02 | | |
| Total | 2869.93 | 18848.56 | 7541.45 | 77390.89 | 174471.74 | 26265.92 | 45524.93 | 6306.31 | 21227.99 | 2472.45 | 1356.55 | 1584.82 | 385861.54 | Tonday |
| Mean | 95.66 | 608.02 | 251.38 | 2496.48 | 5628.12 | 875.53 | 1468.55 | 210.21 | 684.77 | 79.76 | 48.45 | 51.12 | | Ton/day |
| Max | 225.10 | 4721.07 | 1169.52 | 20001.71 | 35605.18 | 5527.76 | 6291.43 | 588.46 | 9327.63 | 109.07 | 57.03 | 134.72 | 35605.18 | Ton/day |
| Min | 54.51 | 47.18 | 81.32 | 244.82 | 400.24 | 228.60 | 304.41 | 123.10 | 106.33 | 59.58 | 37.96 | 27.42 | 27.42 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Sao Thong at Ban Sao Thong , Nakhon Si Thammarat (X.167)

Lat 08 - 16 - 44 N Long 99 - 54 - 30 E

**Location : on right bank at the bridge.**

**Ban** Sao Thong **Amphoe** Ron Phibun **Changwat** Nakhon Si Thammarat

| | |
|---|---|
| **Drainge Area** | 252 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 1998 - 2009 , 2012 - Cont'd |
| **Actual Measurement** | 1998 - 2009 , 2012 - Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 19 |
| **R-Square** | 0.7608 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.7524\ QW^{1.08180}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42.48 | 48.48 | 26.10 | 15.97 | 15.19 | 12.93 | 24.52 | 28.40 | 31.90 | 26.10 | 27.27 | 18.26 | | |
| 2 | 36.58 | 29.58 | 25.33 | 15.97 | 16.72 | 8.38 | 20.61 | 22.94 | 31.90 | 24.52 | 26.10 | 17.51 | | |
| 3 | 35.39 | 26.10 | 22.17 | 17.51 | 13.67 | 6.71 | 22.94 | 22.94 | 29.58 | 24.52 | 26.10 | 16.72 | | |
| 4 | 33.05 | 34.24 | 22.17 | 22.94 | 14.45 | 6.71 | 30.72 | 37.74 | 26.10 | 24.52 | 26.10 | 15.19 | | |
| 5 | 36.58 | 22.94 | 22.17 | 17.51 | 14.45 | 16.72 | 28.40 | 41.31 | 22.17 | 24.52 | 24.52 | 14.45 | | |
| 6 | 36.58 | 23.75 | 65.40 | 16.72 | 13.67 | 11.43 | 26.10 | 59.48 | 22.17 | 24.52 | 24.52 | 13.67 | | |
| 7 | 31.90 | 24.52 | 30.72 | 22.17 | 14.45 | 11.43 | 22.17 | 33.05 | 26.10 | 28.40 | 23.75 | 10.11 | | |
| 8 | 29.58 | 26.10 | 26.10 | 17.51 | 18.26 | 16.72 | 17.51 | 30.72 | 35.39 | 93.81 | 23.75 | 9.52 | | |
| 9 | 29.58 | 97.31 | 26.10 | 16.72 | 13.67 | 12.16 | 14.45 | 26.10 | 37.74 | 43.69 | 22.94 | 8.97 | | |
| 10 | 41.31 | 57.49 | 26.10 | 15.97 | 13.67 | 10.67 | 15.19 | 37.74 | 46.08 | 43.69 | 22.94 | 8.97 | | |
| 11 | 46.08 | 48.48 | 26.10 | 16.72 | 11.43 | 12.93 | 19.05 | 47.26 | 44.87 | 61.44 | 24.52 | 8.38 | | |
| 12 | 77.40 | 47.26 | 26.10 | 22.17 | 12.16 | 11.43 | 15.19 | 47.26 | 81.43 | 42.48 | 23.75 | 8.38 | | |
| 13 | 61.44 | 29.58 | 26.10 | 21.37 | 12.93 | 13.67 | 18.26 | 69.38 | 89.54 | 38.94 | 23.75 | 8.97 | | |
| 14 | 38.94 | 25.33 | 24.52 | 22.17 | 13.67 | 15.19 | 46.08 | 55.55 | 63.44 | 40.11 | 22.94 | 8.97 | | |
| 15 | 33.05 | 31.90 | 23.75 | 21.37 | 16.72 | 14.45 | 41.31 | 61.44 | 49.67 | 55.55 | 22.94 | 8.97 | | |
| 16 | 31.90 | 25.33 | 23.75 | 22.94 | 18.26 | 12.93 | 27.27 | 75.41 | 75.41 | 46.08 | 22.94 | 8.97 | | |
| 17 | 34.24 | 26.10 | 28.40 | 19.05 | 16.72 | 12.93 | 31.90 | 77.40 | 137.83 | 63.44 | 22.17 | 8.97 | | |
| 18 | 59.48 | 31.90 | 27.27 | 19.81 | 12.93 | 11.43 | 23.75 | 91.48 | 118.92 | 41.31 | 21.37 | 10.11 | | |
| 19 | 81.43 | 34.24 | 23.75 | 18.26 | 10.67 | 10.67 | 17.51 | 118.92 | 85.48 | 38.94 | 20.61 | 11.43 | | |
| 20 | 63.44 | 36.58 | 21.37 | 16.72 | 10.67 | 16.72 | 98.79 | 92.64 | 59.48 | 96.14 | 19.81 | 22.94 | | |
| 21 | 40.11 | 43.69 | 20.61 | 16.72 | 10.11 | 12.16 | 110.04 | 67.41 | 44.87 | 96.14 | 20.61 | 65.40 | | |
| 22 | 33.05 | 49.67 | 19.05 | 15.97 | 10.11 | 10.67 | 69.38 | 48.48 | 42.48 | 61.44 | 19.81 | 93.81 | | |
| 23 | 31.90 | 77.40 | 17.51 | 14.45 | 9.52 | 10.67 | 42.48 | 44.87 | 37.74 | 44.87 | 19.81 | 61.44 | | |
| 24 | 35.39 | 51.64 | 15.19 | 13.67 | 8.97 | 10.67 | 94.20 | 61.44 | 35.39 | 43.69 | 19.05 | 31.90 | | |
| 25 | 31.90 | 55.55 | 19.81 | 12.93 | 8.38 | 10.67 | 93.03 | 40.11 | 34.24 | 38.94 | 19.05 | 57.49 | | |
| 26 | 89.54 | 61.44 | 24.52 | 13.67 | 7.83 | 7.26 | 59.48 | 40.11 | 31.90 | 40.11 | 19.05 | 35.39 | | |
| 27 | 48.48 | 42.48 | 21.37 | 13.67 | 8.38 | 7.83 | 47.26 | 37.74 | 31.90 | 42.48 | 19.05 | 124.87 | | |
| 28 | 31.90 | 40.11 | 19.05 | 17.51 | 7.26 | 14.45 | 38.94 | 35.39 | 27.27 | 37.74 | 18.26 | 73.38 | | |
| 29 | 31.90 | 37.74 | 17.51 | 13.67 | 6.71 | 17.51 | 40.11 | 35.39 | 34.24 | 37.74 | | 49.67 | | |
| 30 | 31.90 | 34.24 | 16.72 | 13.67 | 5.61 | 28.40 | 36.58 | 34.24 | 30.72 | 38.94 | | 31.90 | | |
| 31 | | 31.90 | | 13.67 | 18.26 | | 29.58 | | 30.72 | 38.94 | | 33.05 | | |
| Total | 1286.50 | 1253.07 | 734.81 | 539.17 | 385.50 | 376.50 | 1222.80 | 1522.34 | 1496.67 | 1403.75 | 627.48 | 897.76 | 11746.35 | Tonday |
| Mean | 42.88 | 40.42 | 24.49 | 17.39 | 12.44 | 12.55 | 39.45 | 50.74 | 48.28 | 45.28 | 22.41 | 28.96 | | Ton/day |
| Max | 89.54 | 97.31 | 65.40 | 22.94 | 18.26 | 28.40 | 110.04 | 118.92 | 137.83 | 96.14 | 27.27 | 124.87 | 137.83 | Ton/day |
| Min | 29.58 | 22.94 | 15.19 | 12.93 | 5.61 | 6.71 | 14.45 | 22.94 | 22.17 | 24.52 | 18.26 | 8.38 | 5.61 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Upper Khlong Lang Suan at Ban Phato , Chumphon (X.213)

Lat 09 - 46 - 55 N Long 98 - 46 - 55 E

**Location : on left bank at the bridge.**

**Ban** Phato **Amphoe** Phato **Changwat** Chumphon

| | |
|---|---|
| **Drainge Area** | 714 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont'd |
| **Actual Measurement** | 2005-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9451 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.1593\ QW^{1.87200}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.79 | 20.81 | 63.01 | 41.02 | 994.06 | 245.00 | 2996.10 | 107.14 | 38.68 | 18.70 | 8.56 | 2.24 | | |
| 2 | 11.31 | 11.86 | 55.50 | 119.85 | 513.69 | 215.83 | 2203.85 | 107.14 | 36.40 | 16.69 | 8.18 | 2.72 | | |
| 3 | 18.01 | 7.81 | 55.50 | 441.10 | 464.73 | 182.00 | 2067.88 | 178.06 | 35.28 | 16.04 | 8.18 | 2.39 | | |
| 4 | 20.09 | 7.10 | 42.21 | 291.97 | 710.35 | 162.69 | 2350.36 | 174.16 | 37.53 | 15.41 | 7.81 | 2.24 | | |
| 5 | 29.95 | 7.81 | 39.84 | 112.15 | 456.79 | 220.57 | 5509.80 | 112.15 | 32.03 | 15.41 | 7.81 | 2.24 | | |
| 6 | 18.70 | 8.56 | 79.36 | 104.68 | 392.18 | 182.00 | 2604.27 | 97.45 | 39.84 | 19.39 | 7.81 | 2.08 | | |
| 7 | 11.86 | 28.93 | 42.21 | 112.15 | 9891.37 | 119.85 | 1937.14 | 85.94 | 45.07 | 25.03 | 7.45 | 2.08 | | |
| 8 | 9.34 | 30.98 | 35.28 | 81.53 | 2045.81 | 107.14 | 1162.73 | 77.22 | 39.84 | 19.39 | 7.45 | 1.94 | | |
| 9 | 23.17 | 155.25 | 55.50 | 88.19 | 1523.85 | 114.69 | 774.39 | 107.14 | 36.40 | 16.69 | 7.10 | 1.94 | | |
| 10 | 43.43 | 51.91 | 43.43 | 206.49 | 1789.66 | 102.24 | 1487.80 | 90.46 | 32.03 | 15.41 | 6.75 | 1.94 | | |
| 11 | 75.11 | 61.09 | 45.07 | 220.57 | 1162.73 | 90.46 | 1894.45 | 79.36 | 32.03 | 14.79 | 6.75 | 1.80 | | |
| 12 | 55.50 | 57.33 | 39.84 | 539.03 | 1691.00 | 85.94 | 1452.16 | 64.96 | 33.10 | 14.18 | 6.41 | 1.80 | | |
| 13 | 26.95 | 32.03 | 59.20 | 433.95 | 891.81 | 90.46 | 1177.81 | 75.11 | 27.93 | 14.18 | 6.08 | 1.66 | | |
| 14 | 32.03 | 29.95 | 81.53 | 1434.49 | 2090.05 | 127.80 | 1560.29 | 64.96 | 26.95 | 13.58 | 5.76 | 1.66 | | |
| 15 | 30.98 | 51.91 | 77.22 | 2227.96 | 15850.64 | 117.26 | 955.11 | 70.97 | 25.98 | 12.42 | 5.76 | 1.66 | | |
| 16 | 25.98 | 22.27 | 50.15 | 1980.28 | 16724.78 | 198.17 | 658.96 | 81.53 | 32.03 | 12.42 | 5.45 | 1.66 | | |
| 17 | 25.03 | 75.11 | 64.96 | 1047.13 | 9121.20 | 112.15 | 742.05 | 70.97 | 57.33 | 12.42 | 5.14 | 1.66 | | |
| 18 | 18.01 | 2450.47 | 51.91 | 648.89 | 3557.55 | 81.53 | 488.92 | 83.72 | 30.98 | 11.86 | 4.56 | 1.66 | | |
| 19 | 13.58 | 3173.75 | 50.15 | 419.81 | 2996.10 | 85.94 | 378.69 | 75.11 | 26.95 | 11.31 | 3.74 | 1.66 | | |
| 20 | 13.00 | 3234.03 | 46.73 | 302.92 | 1382.09 | 77.22 | 392.18 | 95.09 | 25.03 | 11.86 | 3.24 | 7.10 | | |
| 21 | 15.41 | 1333.60 | 70.97 | 220.57 | 904.31 | 66.93 | 320.74 | 77.22 | 23.17 | 11.86 | 3.24 | 10.78 | | |
| 22 | 9.74 | 942.29 | 122.48 | 198.17 | 619.14 | 63.01 | 250.03 | 64.96 | 21.53 | 11.31 | 3.06 | 5.76 | | |
| 23 | 12.42 | 818.52 | 66.93 | 185.98 | 433.95 | 55.50 | 206.49 | 57.33 | 20.81 | 10.25 | 3.06 | 7.10 | | |
| 24 | 13.58 | 628.98 | 53.69 | 162.69 | 448.91 | 79.36 | 225.36 | 48.43 | 20.81 | 10.25 | 2.89 | 3.06 | | |
| 25 | 13.58 | 339.56 | 45.07 | 144.40 | 480.80 | 109.63 | 265.40 | 43.43 | 20.09 | 10.25 | 2.72 | 4.28 | | |
| 26 | 79.36 | 190.00 | 53.69 | 127.80 | 1088.68 | 3054.78 | 202.31 | 45.07 | 20.09 | 9.74 | 2.72 | 4.28 | | |
| 27 | 17.35 | 140.86 | 46.73 | 162.69 | 556.24 | 2738.57 | 162.69 | 43.43 | 20.09 | 9.34 | 2.55 | 2.72 | | |
| 28 | 15.41 | 107.14 | 38.68 | 166.47 | 392.18 | 1382.09 | 166.47 | 42.21 | 20.09 | 9.34 | 2.39 | 2.24 | | |
| 29 | 27.93 | 85.94 | 37.53 | 130.50 | 326.96 | 818.52 | 133.91 | 39.84 | 19.39 | 8.95 | | 2.55 | | |
| 30 | 24.09 | 83.72 | 33.10 | 1254.58 | 286.56 | 720.85 | 140.86 | 38.68 | 19.39 | 8.56 | | 2.39 | | |
| 31 | | 85.94 | | 842.62 | 265.40 | | 117.26 | | 19.39 | 8.56 | | 2.08 | | |
| Total | 745.69 | 14275.51 | 1647.47 | 14450.63 | 80053.57 | 11808.18 | 34986.46 | 2399.24 | 916.26 | 415.59 | 152.62 | 91.37 | 161942.59 | Tonday |
| Mean | 24.86 | 460.50 | 54.92 | 466.15 | 2582.37 | 393.61 | 1128.60 | 79.97 | 29.56 | 13.41 | 5.45 | 2.95 | | Ton/day |
| Max | 79.36 | 3234.03 | 122.48 | 2227.96 | 16724.78 | 3054.78 | 5509.80 | 178.06 | 57.33 | 25.03 | 8.56 | 10.78 | 16724.78 | Ton/day |
| Min | 9.34 | 7.10 | 33.10 | 41.02 | 265.40 | 55.50 | 117.26 | 38.68 | 19.39 | 8.56 | 2.39 | 1.66 | 1.66 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA EAST COAST

### Khlong Rap Ro at Ban Hat Nai , Chumphon (X.248)

Lat 10 - 38 - 16 N Long 99 - 03 - 01 E

**Location : on left bank at Ban Hat Nai.**

**Ban** Hat Nai **Amphoe** Tha Sae **Changwat** Chumphon

| | |
|---|---|
| **Drainge Area** | 691 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2006-Cont'd |
| **Actual Measurement** | 2006-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.7329 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.3098\ QW^{1.93160}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.04 | 27.50 | 57.92 | 65.61 | 385.14 | 558.80 | 485.61 | 116.10 | 43.93 | 16.38 | 8.05 | 4.08 | | |
| 2 | 27.50 | 27.50 | 54.97 | 47263.38 | 344.39 | 401.11 | 417.38 | 110.94 | 43.93 | 16.38 | 8.05 | 4.08 | | |
| 3 | 25.45 | 25.45 | 46.58 | 34884.09 | 224.52 | 357.73 | 450.88 | 105.89 | 41.36 | 16.38 | 7.48 | 4.08 | | |
| 4 | 18.04 | 31.82 | 46.58 | 10767.88 | 485.61 | 344.39 | 1758.47 | 100.96 | 41.36 | 14.79 | 7.48 | 3.68 | | |
| 5 | 18.04 | 38.86 | 41.36 | 3598.39 | 1297.03 | 281.38 | 2919.46 | 91.44 | 38.86 | 14.79 | 7.48 | 3.68 | | |
| 6 | 34.09 | 57.92 | 38.86 | 1758.47 | 954.77 | 224.52 | 4106.37 | 86.85 | 36.44 | 14.79 | 7.48 | 3.68 | | |
| 7 | 38.86 | 52.10 | 38.86 | 789.44 | 926.16 | 183.50 | 1263.83 | 82.37 | 8051.26 | 13.29 | 6.94 | 3.68 | | |
| 8 | 38.86 | 52.10 | 36.44 | 318.45 | 78357.87 | 269.51 | 1104.08 | 78.01 | 164.49 | 13.29 | 6.94 | 3.68 | | |
| 9 | 41.36 | 38.86 | 36.44 | 269.51 | 12419.32 | 305.85 | 926.16 | 73.76 | 116.10 | 12.56 | 6.94 | 3.68 | | |
| 10 | 34.09 | 38.86 | 34.09 | 213.89 | 4106.37 | 257.89 | 10968.09 | 96.14 | 73.76 | 12.56 | 6.94 | 3.68 | | |
| 11 | 27.50 | 69.63 | 31.82 | 137.86 | 1706.62 | 257.89 | 10177.92 | 78.01 | 69.63 | 12.56 | 6.41 | 3.29 | | |
| 12 | 27.50 | 69.63 | 29.62 | 132.25 | 1506.71 | 257.89 | 19364.22 | 86.85 | 149.42 | 12.56 | 6.41 | 3.29 | | |
| 13 | 25.45 | 61.71 | 29.62 | 73.76 | 1330.64 | 193.38 | 2378.06 | 116.10 | 100.96 | 11.86 | 6.41 | 3.29 | | |
| 14 | 25.45 | 61.71 | 27.50 | 52.10 | 3678.05 | 183.50 | 1330.64 | 73.76 | 69.63 | 11.86 | 5.91 | 3.29 | | |
| 15 | 25.45 | 57.92 | 27.50 | 269.51 | 796821.12 | 183.50 | 698.77 | 73.76 | 61.71 | 11.18 | 5.91 | 2.93 | | |
| 16 | 23.48 | 57.92 | 25.45 | 331.30 | 181257.01 | 149.42 | 558.80 | 78.01 | 54.97 | 11.18 | 5.42 | 2.93 | | |
| 17 | 23.48 | 52.10 | 23.48 | 17397.14 | 27714.14 | 257.89 | 450.88 | 73.76 | 54.97 | 10.51 | 5.42 | 2.59 | | |
| 18 | 34.09 | 110.94 | 23.48 | 3922.05 | 8376.69 | 143.58 | 371.31 | 69.63 | 52.10 | 10.51 | 5.42 | 2.59 | | |
| 19 | 38.86 | 116.10 | 25.45 | 870.21 | 4013.70 | 173.87 | 417.38 | 73.76 | 52.10 | 9.87 | 4.95 | 2.42 | | |
| 20 | 38.86 | 132.25 | 31.82 | 521.59 | 2571.90 | 137.86 | 371.31 | 69.63 | 52.10 | 9.87 | 4.95 | 9.24 | | |
| 21 | 38.86 | 2919.46 | 36.44 | 433.97 | 1458.61 | 110.94 | 318.45 | 65.61 | 49.30 | 9.24 | 4.95 | 69.63 | | |
| 22 | 38.86 | 1811.07 | 38.86 | 468.09 | 1013.24 | 96.14 | 281.38 | 61.71 | 23.48 | 9.24 | 4.51 | 13.29 | | |
| 23 | 31.82 | 983.80 | 41.36 | 401.11 | 698.77 | 100.96 | 257.89 | 116.10 | 21.59 | 9.24 | 4.51 | 16.38 | | |
| 24 | 31.82 | 719.99 | 100.96 | 293.49 | 503.45 | 105.89 | 257.89 | 61.71 | 21.59 | 9.24 | 4.51 | 8.05 | | |
| 25 | 31.82 | 485.61 | 371.31 | 281.38 | 2438.84 | 183.50 | 344.39 | 54.97 | 21.59 | 9.24 | 4.08 | 6.94 | | |
| 26 | 27.50 | 305.85 | 281.38 | 269.51 | 4584.99 | 5403.57 | 269.51 | 54.97 | 19.78 | 8.64 | 4.08 | 5.91 | | |
| 27 | 18.04 | 164.49 | 121.37 | 257.89 | 1655.52 | 4013.70 | 246.52 | 49.30 | 19.78 | 8.64 | 4.08 | 5.42 | | |
| 28 | 18.04 | 105.89 | 69.63 | 246.52 | 1864.42 | 1073.39 | 305.85 | 46.58 | 19.78 | 8.64 | 4.08 | 6.41 | | |
| 29 | 18.04 | 96.14 | 54.97 | 235.39 | 1013.24 | 741.52 | 246.52 | 43.93 | 18.04 | 8.05 | | 21.59 | | |
| 30 | 18.04 | 96.14 | 41.36 | 224.52 | 540.04 | 897.98 | 164.49 | 41.36 | 18.04 | 8.05 | | 14.79 | | |
| 31 | | 105.89 | | 224.52 | 450.88 | | 116.10 | | 18.04 | 8.05 | | 12.56 | | |
| Total | 857.29 | 8975.21 | 1865.48 | 126973.27 | 1144699.76 | 17851.05 | 63328.61 | 2331.97 | 9620.09 | 353.44 | 165.79 | 254.83 | 1377276.79 | Tonday |
| Mean | 28.58 | 289.52 | 62.18 | 4095.91 | 36925.80 | 595.03 | 2042.86 | 77.73 | 310.33 | 11.40 | 5.92 | 8.22 | | Ton/day |
| Max | 41.36 | 2919.46 | 371.31 | 47263.38 | 796821.12 | 5403.57 | 19364.22 | 116.10 | 8051.26 | 16.38 | 8.05 | 69.63 | 796821.12 | Ton/day |
| Min | 18.04 | 25.45 | 23.48 | 52.10 | 224.52 | 96.14 | 116.10 | 41.36 | 18.04 | 8.05 | 4.08 | 2.42 | 2.42 | Ton/day |

# WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Tha Pho , Nakhon Si Thammarat (X.195)

Lat 08 - 30 - 24 N Long 99 - 30 - 39 E

**Location : on left bank at Ban Tha Pho.**

**Ban** Tha Pho **Amphoe** Chawang **Changwat** Nakhon Si Thammarat

| | |
|---|---|
| **Drainge Area** | 488 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 1998 - Cont'd |
| **Actual Measurement** | 1998 - 2002, 2005-2006, 2011 - Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.7772 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.0936\ QW^{2.21150}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34.12 | 19.77 | 207.85 | 79.00 | 165.40 | 150.83 | 477.84 | 323.16 | 35.98 | 27.21 | 17.87 | 8.79 | | |
| 2 | 27.21 | 18.81 | 129.27 | 70.55 | 213.54 | 104.13 | 352.59 | 302.00 | 34.12 | 24.95 | 17.87 | 8.30 | | |
| 3 | 27.21 | 18.81 | 73.31 | 91.09 | 185.96 | 91.09 | 583.74 | 302.00 | 32.31 | 23.86 | 17.87 | 8.30 | | |
| 4 | 19.77 | 23.86 | 67.85 | 262.04 | 185.96 | 81.94 | 529.34 | 701.34 | 32.31 | 20.75 | 17.87 | 7.83 | | |
| 5 | 16.97 | 57.62 | 67.85 | 237.11 | 170.41 | 107.54 | 583.74 | 467.89 | 27.21 | 21.76 | 16.09 | 7.83 | | |
| 6 | 15.23 | 55.20 | 94.26 | 225.15 | 160.46 | 84.93 | 561.63 | 550.75 | 27.21 | 21.76 | 16.09 | 7.37 | | |
| 7 | 13.60 | 160.46 | 70.55 | 295.13 | 155.61 | 84.93 | 572.62 | 383.43 | 27.21 | 24.95 | 16.09 | 6.92 | | |
| 8 | 12.82 | 121.79 | 62.62 | 202.25 | 207.85 | 191.31 | 583.74 | 308.97 | 30.56 | 111.01 | 16.09 | 6.92 | | |
| 9 | 12.82 | 160.46 | 62.62 | 213.54 | 165.40 | 100.78 | 467.89 | 308.97 | 34.12 | 129.27 | 15.23 | 6.92 | | |
| 10 | 16.97 | 170.41 | 57.62 | 207.85 | 155.61 | 79.00 | 268.48 | 330.39 | 32.31 | 111.01 | 15.23 | 6.92 | | |
| 11 | 21.76 | 170.41 | 70.55 | 219.30 | 141.53 | 84.93 | 410.56 | 308.97 | 27.21 | 91.09 | 14.40 | 6.92 | | |
| 12 | 21.76 | 438.71 | 129.27 | 561.63 | 114.54 | 170.41 | 337.70 | 288.34 | 28.86 | 65.21 | 13.60 | 6.49 | | |
| 13 | 21.76 | 375.59 | 84.93 | 1362.16 | 84.93 | 175.51 | 308.97 | 316.02 | 32.31 | 48.29 | 12.82 | 6.49 | | |
| 14 | 18.81 | 288.34 | 97.49 | 830.87 | 84.93 | 561.63 | 859.76 | 150.83 | 27.21 | 37.90 | 12.82 | 6.49 | | |
| 15 | 16.97 | 249.40 | 81.94 | 689.05 | 207.85 | 487.91 | 874.56 | 180.70 | 27.21 | 35.98 | 12.07 | 6.49 | | |
| 16 | 14.40 | 262.04 | 70.55 | 583.74 | 275.01 | 410.56 | 529.34 | 191.31 | 26.07 | 30.56 | 12.07 | 6.49 | | |
| 17 | 14.40 | 249.40 | 73.31 | 419.83 | 268.48 | 367.84 | 487.91 | 170.41 | 94.26 | 34.12 | 11.34 | 6.08 | | |
| 18 | 12.82 | 237.11 | 100.78 | 337.70 | 345.10 | 345.10 | 383.43 | 141.53 | 237.11 | 32.31 | 10.63 | 6.49 | | |
| 19 | 14.40 | 295.13 | 107.54 | 316.02 | 777.62 | 308.97 | 337.70 | 150.83 | 155.61 | 27.21 | 10.63 | 6.49 | | |
| 20 | 15.23 | 410.56 | 137.01 | 281.63 | 375.59 | 262.04 | 487.91 | 118.13 | 70.55 | 27.21 | 9.30 | 7.37 | | |
| 21 | 17.87 | 458.05 | 202.25 | 275.01 | 231.09 | 213.54 | 689.05 | 111.01 | 67.85 | 26.07 | 9.30 | 26.07 | | |
| 22 | 16.97 | 383.43 | 185.96 | 249.40 | 165.40 | 165.40 | 583.74 | 76.13 | 62.62 | 24.95 | 9.30 | 22.80 | | |
| 23 | 21.76 | 701.34 | 129.27 | 207.85 | 133.11 | 150.83 | 508.39 | 65.21 | 65.21 | 23.86 | 9.30 | 21.76 | | |
| 24 | 26.07 | 487.91 | 125.50 | 243.21 | 118.13 | 133.11 | 676.88 | 57.62 | 46.10 | 21.76 | 9.30 | 21.76 | | |
| 25 | 21.76 | 996.64 | 111.01 | 202.25 | 104.13 | 125.50 | 726.29 | 52.84 | 35.98 | 19.77 | 9.30 | 19.77 | | |
| 26 | 15.23 | 751.71 | 401.41 | 196.74 | 118.13 | 121.79 | 529.34 | 43.97 | 32.31 | 21.76 | 9.30 | 16.97 | | |
| 27 | 15.23 | 508.39 | 323.16 | 202.25 | 111.01 | 141.53 | 477.84 | 39.86 | 28.86 | 20.75 | 8.79 | 15.23 | | |
| 28 | 15.23 | 367.84 | 191.31 | 196.74 | 97.49 | 207.85 | 419.83 | 39.86 | 26.07 | 19.77 | 8.79 | 12.82 | | |
| 29 | 16.97 | 337.70 | 137.01 | 175.51 | 84.93 | 202.25 | 383.43 | 37.90 | 27.21 | 19.77 | | 10.63 | | |
| 30 | 20.75 | 249.40 | 111.01 | 137.01 | 62.62 | 323.16 | 337.70 | 35.98 | 27.21 | 19.77 | | 9.95 | | |
| 31 | | 219.30 | | 137.01 | 160.46 | | 275.01 | | 32.31 | 18.81 | | 9.30 | | |
| Total | 556.87 | 9245.59 | 3765.06 | 9708.62 | 5828.28 | 6036.34 | 15606.95 | 6556.35 | 1491.47 | 1183.45 | 359.36 | 328.96 | 60667.30 | Tonday |
| Mean | 18.56 | 298.24 | 125.50 | 313.18 | 188.01 | 201.21 | 503.45 | 218.54 | 48.11 | 38.18 | 12.83 | 10.61 | | Ton/day |
| Max | 34.12 | 996.64 | 401.41 | 1362.16 | 777.62 | 561.63 | 874.56 | 701.34 | 237.11 | 129.27 | 17.87 | 26.07 | 1362.16 | Ton/day |
| Min | 12.82 | 18.81 | 57.62 | 70.55 | 62.62 | 79.00 | 268.48 | 35.98 | 26.07 | 18.81 | 8.79 | 6.08 | 6.08 | Ton/day |

# WATER YEAR : 2006

## TAPI RIVER BASIN

### Tapi River at Ban Khian Sa , Surat Thani (X.217)

Lat 08 - 50 - 54 N Long 99 - 12 - 03 E

**Location : on left bank at Ban Khian Sa.**

**Ban** Khian Sa **Amphoe** Khian Sa **Changwat** Surat Thani

| | |
|---|---|
| **Drainge Area** | 6,697 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 2005 - Cont' d |
| **Actual Measurement** | 2005 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9178 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.2782\ QW^{1.60210}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2060.25 | 348.86 | 2686.05 | 2585.17 | 2716.95 | 1700.19 | 2131.75 | 2670.65 | 222.17 | 23.51 | 125.55 | 75.84 | | |
| 2 | 629.04 | 152.09 | 2693.77 | 2609.39 | 2632.30 | 1650.89 | 2222.41 | 2579.65 | 172.59 | 13.40 | 46.55 | 85.68 | | |
| 3 | 96.00 | 162.22 | 2655.29 | 2639.95 | 2508.24 | 1634.58 | 2478.26 | 2541.10 | 137.36 | 9.62 | 48.62 | 34.82 | | |
| 4 | 137.36 | 106.71 | 2686.05 | 2655.29 | 2478.26 | 1683.70 | 2502.78 | 2502.78 | 137.36 | 10.51 | 72.64 | 42.50 | | |
| 5 | 172.59 | 125.55 | 2655.29 | 2574.13 | 2185.97 | 1700.19 | 2574.13 | 2337.04 | 147.12 | 17.64 | 21.08 | 22.30 | | |
| 6 | 194.04 | 114.10 | 2563.10 | 2563.10 | 1954.74 | 1750.03 | 2701.49 | 2149.77 | 167.37 | 29.43 | 29.43 | 19.92 | | |
| 7 | 216.43 | 177.86 | 2497.32 | 2535.62 | 1766.76 | 1800.41 | 2841.16 | 2024.85 | 199.55 | 40.51 | 44.49 | 31.20 | | |
| 8 | 199.55 | 258.64 | 2417.36 | 2490.51 | 1602.14 | 1817.32 | 2949.27 | 1972.18 | 210.75 | 57.26 | 64.11 | 7.09 | | |
| 9 | 125.55 | 312.95 | 2113.79 | 2417.36 | 1382.01 | 1800.41 | 3026.59 | 1989.68 | 216.43 | 85.68 | 75.84 | 14.41 | | |
| 10 | 89.08 | 371.04 | 1937.35 | 2337.04 | 1291.45 | 1750.03 | 3181.21 | 1902.76 | 205.12 | 89.08 | 31.20 | 36.67 | | |
| 11 | 99.51 | 488.03 | 1700.19 | 2149.77 | 1191.84 | 1783.55 | 3238.16 | 1851.32 | 199.55 | 82.36 | 36.67 | 69.53 | | |
| 12 | 99.51 | 453.07 | 1602.14 | 1954.74 | 1055.52 | 1716.74 | 3379.88 | 1750.03 | 205.12 | 59.52 | 15.47 | 85.68 | | |
| 13 | 157.12 | 580.00 | 1443.65 | 1937.35 | 879.94 | 1716.74 | 3343.28 | 1700.19 | 222.17 | 31.20 | 11.45 | 133.40 | | |
| 14 | 327.12 | 649.05 | 1306.38 | 1937.35 | 774.64 | 1817.32 | 3361.56 | 1618.33 | 222.17 | 46.55 | 23.51 | 52.87 | | |
| 15 | 542.26 | 710.51 | 1219.84 | 1989.68 | 700.08 | 1868.41 | 3361.56 | 1474.85 | 233.81 | 36.67 | 34.82 | 16.53 | | |
| 16 | 638.98 | 679.48 | 1164.08 | 2149.77 | 774.64 | 1972.18 | 3325.04 | 1382.01 | 216.43 | 31.20 | 27.73 | 11.45 | | |
| 17 | 679.48 | 774.64 | 1042.23 | 2337.04 | 1291.45 | 2078.04 | 3223.89 | 1233.94 | 222.17 | 8.74 | 22.30 | 13.40 | | |
| 18 | 710.51 | 809.18 | 1136.56 | 2491.87 | 1351.57 | 2113.79 | 3195.41 | 1122.90 | 233.81 | 11.45 | 15.47 | 16.53 | | |
| 19 | 533.07 | 891.95 | 1136.56 | 2624.65 | 1522.12 | 2297.27 | 3167.04 | 916.15 | 222.17 | 24.78 | 22.30 | 4.71 | | |
| 20 | 444.49 | 1042.23 | 1233.94 | 3012.67 | 1750.03 | 2337.04 | 3167.04 | 763.25 | 227.96 | 36.67 | 17.64 | 5.58 | | |
| 21 | 334.33 | 1164.08 | 1276.58 | 3472.02 | 1972.18 | 2478.26 | 3138.76 | 638.98 | 216.43 | 46.55 | 16.53 | 11.45 | | |
| 22 | 312.95 | 1336.44 | 1412.70 | 3917.41 | 2185.97 | 2483.70 | 3124.65 | 560.82 | 216.43 | 50.74 | 5.15 | 82.36 | | |
| 23 | 222.17 | 1443.65 | 1586.02 | 4208.83 | 2397.18 | 2487.79 | 3096.51 | 470.43 | 227.96 | 52.87 | 14.41 | 75.84 | | |
| 24 | 142.21 | 1602.14 | 1733.35 | 4018.03 | 2485.06 | 2486.42 | 3082.48 | 356.17 | 205.12 | 82.36 | 36.67 | 82.36 | | |
| 25 | 72.64 | 1920.03 | 1920.03 | 3793.00 | 2502.78 | 2457.90 | 3054.48 | 327.12 | 152.09 | 40.51 | 34.82 | 69.53 | | |
| 26 | 99.51 | 2222.41 | 2095.89 | 3621.37 | 2524.65 | 2397.18 | 2984.92 | 292.16 | 152.09 | 99.51 | 59.52 | 106.71 | | |
| 27 | 117.88 | 2337.04 | 2317.12 | 3472.02 | 2497.32 | 2149.77 | 2949.27 | 245.68 | 129.43 | 75.84 | 42.50 | 99.51 | | |
| 28 | 199.55 | 2437.60 | 2482.34 | 3306.84 | 2486.42 | 1989.68 | 2851.90 | 222.17 | 89.08 | 92.49 | 61.78 | 61.78 | | |
| 29 | 245.68 | 2487.79 | 2502.78 | 3138.76 | 2317.12 | 1989.68 | 2809.02 | 205.12 | 57.26 | 285.31 | | 48.62 | | |
| 30 | 327.12 | 2574.13 | 2530.13 | 2998.78 | 2113.79 | 2078.04 | 2755.77 | 216.43 | 46.55 | 216.43 | | 36.67 | | |
| 31 | | 2647.62 | | 2830.43 | 1817.32 | | 2701.49 | | 34.82 | 50.74 | | 36.67 | | |
| Total | 10225.98 | 31381.09 | 57747.88 | 86769.94 | 57110.44 | 59987.25 | 91921.16 | 40018.51 | 5548.44 | 1839.13 | 1058.25 | 1491.61 | 445099.68 | Tonday |
| Mean | 340.87 | 1012.29 | 1924.93 | 2799.03 | 1842.27 | 1999.58 | 2965.20 | 1333.95 | 178.98 | 59.33 | 37.79 | 48.12 | | Ton/day |
| Max | 2060.25 | 2647.62 | 2693.77 | 4208.83 | 2716.95 | 2487.79 | 3379.88 | 2670.65 | 233.81 | 285.31 | 125.55 | 133.40 | 4208.83 | Ton/day |
| Min | 72.64 | 106.71 | 1042.23 | 1937.35 | 700.08 | 1634.58 | 2131.75 | 205.12 | 34.82 | 8.74 | 5.15 | 4.71 | 4.71 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong U - Taphao at Ban Hat Yai Nai , Songkhla (X.44)

Lat 07 - 00 - 02 N Long 100 - 27 - 32 E

**Location : on left bank at the bridge of Hat Yai - Rattaphum Highway.**

**Ban** Hat Yai Nai **Amphoe** Hat Yai **Changwat** Songkhla

| | |
|---|---|
| **Drainge Area** | 1,720 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 2000 - Cont' d |
| **Actual Measurement** | 2000 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 20 |
| **R-Square** | 0.9612 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.6242\ QW^{1.12300}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 235.35 | 192.55 | 252.53 | 149.69 | 20.77 | 0.00 | 42.07 | 91.62 | 50.02 | 42.07 | 35.28 | 23.33 | | |
| 2 | 210.59 | 258.29 | 238.21 | 147.16 | 20.77 | 0.00 | 58.11 | 56.48 | 50.02 | 50.02 | 28.56 | 22.08 | | |
| 3 | 177.28 | 386.61 | 232.50 | 142.20 | 19.53 | 0.00 | 71.31 | 42.07 | 50.02 | 37.99 | 25.93 | 22.08 | | |
| 4 | 164.70 | 459.59 | 223.98 | 134.85 | 18.23 | 0.00 | 61.38 | 50.02 | 50.02 | 22.08 | 25.93 | 22.08 | | |
| 5 | 117.71 | 501.23 | 218.31 | 129.94 | 18.23 | 0.00 | 53.24 | 53.24 | 22.08 | 24.67 | 35.28 | 22.08 | | |
| 6 | 113.31 | 445.81 | 205.44 | 122.57 | 18.23 | 0.00 | 42.07 | 61.38 | 56.48 | 28.56 | 53.24 | 13.84 | | |
| 7 | 113.31 | 386.61 | 169.74 | 106.75 | 13.63 | 14.47 | 35.28 | 66.32 | 69.64 | 187.45 | 53.24 | 6.26 | | |
| 8 | 108.93 | 418.37 | 162.14 | 95.92 | 10.61 | 210.59 | 22.08 | 74.66 | 42.07 | 814.75 | 50.02 | 12.11 | | |
| 9 | 89.48 | 450.40 | 154.68 | 91.62 | 3.53 | 63.02 | 19.53 | 56.48 | 40.73 | 1069.20 | 42.07 | 14.05 | | |
| 10 | 42.07 | 404.73 | 149.69 | 85.21 | 1.03 | 53.24 | 14.89 | 50.02 | 50.02 | 896.88 | 39.32 | 14.68 | | |
| 11 | 39.32 | 386.61 | 147.16 | 74.66 | 17.02 | 7.68 | 13.63 | 117.71 | 45.23 | 695.94 | 35.28 | 15.74 | | |
| 12 | 54.85 | 373.08 | 142.20 | 74.66 | 14.68 | 10.61 | 13.63 | 106.75 | 51.62 | 409.27 | 31.21 | 28.56 | | |
| 13 | 301.89 | 355.13 | 129.94 | 71.31 | 14.26 | 25.93 | 12.11 | 113.31 | 50.02 | 323.96 | 28.56 | 28.56 | | |
| 14 | 728.14 | 445.81 | 122.57 | 74.66 | 12.11 | 23.33 | 9.13 | 59.74 | 50.02 | 218.31 | 25.93 | 15.74 | | |
| 15 | 637.87 | 496.58 | 117.71 | 142.20 | 6.26 | 12.11 | 6.26 | 50.02 | 50.02 | 154.68 | 24.67 | 12.11 | | |
| 16 | 409.27 | 787.57 | 117.71 | 139.78 | 7.68 | 24.67 | 3.53 | 42.07 | 91.62 | 50.02 | 22.08 | 9.13 | | |
| 17 | 172.22 | 979.85 | 120.18 | 102.40 | 3.53 | 28.56 | 1.03 | 40.73 | 95.92 | 85.21 | 14.68 | 6.26 | | |
| 18 | 139.78 | 929.97 | 117.71 | 74.66 | 2.24 | 24.67 | 14.68 | 72.98 | 117.71 | 74.66 | 13.63 | 6.26 | | |
| 19 | 154.68 | 798.43 | 120.18 | 74.66 | 0.00 | 15.74 | 15.74 | 50.02 | 117.71 | 64.67 | 6.26 | 4.87 | | |
| 20 | 306.29 | 571.45 | 125.05 | 69.64 | 0.00 | 14.68 | 18.23 | 50.02 | 129.94 | 50.02 | 19.53 | 9.13 | | |
| 21 | 323.96 | 501.23 | 122.57 | 67.98 | 0.00 | 14.89 | 22.08 | 37.99 | 117.71 | 50.02 | 15.74 | 9.13 | | |
| 22 | 246.79 | 473.43 | 129.94 | 66.32 | 0.00 | 14.47 | 25.93 | 28.56 | 95.92 | 53.24 | 15.74 | 10.61 | | |
| 23 | 269.84 | 454.99 | 122.57 | 64.67 | 0.00 | 15.31 | 42.07 | 31.21 | 115.51 | 80.97 | 17.02 | 14.89 | | |
| 24 | 284.36 | 478.05 | 129.94 | 25.93 | 0.00 | 0.00 | 85.21 | 28.56 | 95.92 | 59.74 | 19.53 | 22.08 | | |
| 25 | 364.10 | 487.31 | 154.68 | 25.93 | 0.00 | 0.00 | 184.94 | 25.93 | 71.31 | 53.24 | 20.77 | 31.21 | | |
| 26 | 272.74 | 524.52 | 162.14 | 25.93 | 0.00 | 0.00 | 243.93 | 31.21 | 74.66 | 72.98 | 15.74 | 35.28 | | |
| 27 | 223.98 | 432.06 | 164.70 | 25.93 | 0.00 | 0.00 | 210.59 | 36.60 | 71.31 | 64.67 | 20.77 | 42.07 | | |
| 28 | 249.66 | 364.10 | 159.68 | 24.67 | 0.00 | 31.21 | 142.20 | 35.28 | 98.07 | 67.98 | 28.56 | 15.74 | | |
| 29 | 246.79 | 386.61 | 152.14 | 23.33 | 0.00 | 51.62 | 129.94 | 33.89 | 190.05 | 69.64 | | 12.11 | | |
| 30 | 205.44 | 364.10 | 149.69 | 23.33 | 0.00 | 39.32 | 117.71 | 35.28 | 167.17 | 54.85 | | 9.13 | | |
| 31 | | 337.28 | | 22.08 | 0.00 | | 91.62 | | 78.86 | 35.28 | | 12.11 | | |
| Total | 7004.70 | 14832.35 | 4715.68 | 2500.64 | 222.34 | 696.12 | 1824.15 | 1630.15 | 2457.40 | 5963.02 | 764.57 | 523.31 | 43134.43 | Tonday |
| Mean | 233.49 | 478.46 | 157.19 | 80.67 | 7.17 | 23.20 | 58.84 | 54.34 | 79.27 | 192.36 | 27.31 | 16.88 | | Ton/day |
| Max | 728.14 | 979.85 | 252.53 | 149.69 | 20.77 | 210.59 | 243.93 | 117.71 | 190.05 | 1069.20 | 53.24 | 42.07 | 1069.20 | Ton/day |
| Min | 39.32 | 192.55 | 117.71 | 22.08 | 0.00 | 0.00 | 1.03 | 25.93 | 22.08 | 22.08 | 6.26 | 4.87 | 0.00 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Tha Khae at Ban Tha Khae , Phatthalung (X.68)

Lat 07 - 34 - 01 N Long 100 - 03 - 05 E

**Location : on left bank downstream side of the bridge of Phatthalung - Hat Yai Highway.**

**Ban** Tha Khae **Amphoe** Mueang **Changwat** Phatthalung

| | |
|---|---|
| **Drainge Area** | 302 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH - 59 |
| **Period of Available Records** | 1983 - Cont' d |
| **Actual Measurement** | 1983 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 21 |
| **R-Square** | 0.7683 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.8849\ QW^{1.81620}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26.50 | 5.52 | 11.48 | 7.15 | 6.59 | 6.31 | 42.04 | 9.62 | 17.06 | 26.50 | 18.29 | 8.04 | | |
| 2 | 22.92 | 5.27 | 13.59 | 6.59 | 6.04 | 6.87 | 28.00 | 9.29 | 17.67 | 26.50 | 18.29 | 8.04 | | |
| 3 | 20.88 | 6.04 | 10.29 | 6.59 | 5.78 | 6.31 | 34.37 | 8.66 | 16.46 | 25.04 | 18.29 | 7.74 | | |
| 4 | 18.93 | 6.04 | 9.29 | 7.44 | 5.52 | 5.78 | 25.77 | 10.97 | 15.28 | 23.62 | 17.67 | 6.87 | | |
| 5 | 38.64 | 6.31 | 9.95 | 6.59 | 6.31 | 6.04 | 22.23 | 26.50 | 13.59 | 20.88 | 16.46 | 6.31 | | |
| 6 | 22.92 | 5.78 | 9.29 | 6.87 | 7.44 | 6.31 | 18.29 | 23.62 | 22.92 | 19.57 | 16.46 | 6.04 | | |
| 7 | 11.99 | 5.78 | 6.59 | 9.62 | 5.78 | 6.87 | 40.87 | 28.00 | 46.71 | 28.77 | 16.46 | 5.78 | | |
| 8 | 9.29 | 5.52 | 6.31 | 9.62 | 6.04 | 12.51 | 19.57 | 22.23 | 30.32 | 185.94 | 15.86 | 5.78 | | |
| 9 | 8.97 | 6.31 | 6.31 | 8.97 | 8.97 | 6.04 | 13.59 | 16.46 | 25.04 | 145.50 | 15.28 | 5.78 | | |
| 10 | 8.97 | 8.34 | 6.59 | 9.29 | 8.04 | 6.04 | 11.48 | 26.50 | 24.32 | 111.68 | 14.71 | 5.78 | | |
| 11 | 15.28 | 10.63 | 7.44 | 22.23 | 5.52 | 5.78 | 11.99 | 28.00 | 49.12 | 113.81 | 14.14 | 5.52 | | |
| 12 | 15.86 | 6.87 | 7.15 | 43.14 | 5.27 | 6.31 | 10.97 | 30.32 | 76.24 | 109.57 | 13.59 | 5.52 | | |
| 13 | 14.14 | 6.59 | 5.27 | 33.54 | 6.31 | 7.44 | 11.48 | 66.09 | 77.68 | 83.79 | 13.05 | 5.27 | | |
| 14 | 13.59 | 6.59 | 5.27 | 52.80 | 7.44 | 10.29 | 11.48 | 88.57 | 56.70 | 76.24 | 12.51 | 5.52 | | |
| 15 | 12.51 | 15.86 | 9.29 | 50.30 | 6.04 | 8.97 | 10.29 | 67.55 | 50.30 | 70.39 | 11.48 | 5.02 | | |
| 16 | 13.05 | 9.62 | 8.34 | 32.72 | 14.71 | 7.15 | 9.29 | 70.39 | 57.96 | 63.33 | 11.48 | 5.27 | | |
| 17 | 13.05 | 23.62 | 7.15 | 21.55 | 22.92 | 6.87 | 8.66 | 90.10 | 56.70 | 73.29 | 11.48 | 5.52 | | |
| 18 | 13.05 | 45.47 | 8.34 | 15.86 | 7.15 | 6.87 | 8.04 | 90.10 | 85.41 | 74.70 | 11.48 | 5.02 | | |
| 19 | 13.05 | 56.70 | 8.66 | 12.51 | 5.78 | 6.59 | 7.44 | 118.12 | 91.77 | 66.09 | 10.63 | 5.02 | | |
| 20 | 12.51 | 55.35 | 26.50 | 9.95 | 5.27 | 6.04 | 16.46 | 82.30 | 70.39 | 60.61 | 10.29 | 5.27 | | |
| 21 | 10.97 | 51.60 | 33.54 | 10.29 | 5.02 | 5.78 | 39.79 | 71.78 | 68.91 | 57.96 | 9.29 | 5.02 | | |
| 22 | 10.63 | 44.35 | 28.77 | 8.97 | 5.27 | 5.78 | 30.32 | 62.02 | 67.55 | 49.12 | 9.29 | 7.44 | | |
| 23 | 9.62 | 49.12 | 24.32 | 7.44 | 6.31 | 5.52 | 38.64 | 51.60 | 60.61 | 38.64 | 9.29 | 7.44 | | |
| 24 | 9.95 | 40.87 | 21.55 | 6.59 | 6.31 | 6.04 | 26.50 | 40.87 | 52.80 | 32.72 | 8.97 | 6.87 | | |
| 25 | 10.63 | 40.87 | 26.50 | 6.04 | 5.78 | 7.44 | 40.87 | 37.77 | 42.04 | 29.54 | 9.29 | 18.29 | | |
| 26 | 13.05 | 31.91 | 19.57 | 5.78 | 5.52 | 6.87 | 26.50 | 31.11 | 36.91 | 27.25 | 8.97 | 14.14 | | |
| 27 | 11.99 | 26.50 | 20.22 | 6.04 | 7.74 | 10.97 | 17.06 | 26.50 | 34.37 | 25.04 | 8.34 | 8.66 | | |
| 28 | 8.97 | 20.88 | 13.59 | 7.15 | 10.63 | 38.64 | 12.51 | 22.23 | 34.37 | 23.62 | 8.04 | 7.44 | | |
| 29 | 8.04 | 14.71 | 8.66 | 6.31 | 7.74 | 28.77 | 11.48 | 16.46 | 36.05 | 23.62 | | 7.74 | | |
| 30 | 6.87 | 14.14 | 8.34 | 5.78 | 7.15 | 19.57 | 10.63 | 17.67 | 31.91 | 22.23 | | 9.95 | | |
| 31 | | 13.59 | | 6.04 | 6.59 | | 8.66 | | 28.00 | 20.88 | | 8.97 | | |
| Total | 426.82 | 646.75 | 388.16 | 449.76 | 226.98 | 276.77 | 625.27 | 1291.40 | 1395.16 | 1756.44 | 359.38 | 221.07 | 8063.96 | Tonday |
| Mean | 14.23 | 20.86 | 12.94 | 14.51 | 7.32 | 9.23 | 20.17 | 43.05 | 45.01 | 56.66 | 12.84 | 7.13 | | Ton/day |
| Max | 38.64 | 56.70 | 33.54 | 52.80 | 22.92 | 38.64 | 42.04 | 118.12 | 91.77 | 185.94 | 18.29 | 18.29 | 185.94 | Ton/day |
| Min | 6.87 | 5.27 | 5.27 | 5.78 | 5.02 | 5.52 | 7.44 | 8.66 | 13.59 | 19.57 | 8.04 | 5.02 | 5.02 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Tam at Ban Khuan Lang , Songkhla (X.71B)

Lat 06 - 59 - 15 N Long 100 - 25 - 27 E

**Location : on left bank at the bridge.**

**Ban** Khuan Lang **Amphoe** Hat Yai **Changwat** Songkhla

| | |
|---|---|
| **Drainge Area** | 148 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont'd |
| **Actual Measurement** | 2004-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9371 |
| **Remarks** | Continued Sediment Station |

$$QS = 7.4677\ QW^{1.23760}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.84 | 12.13 | 43.46 | 14.93 | 9.36 | 1.89 | 15.99 | 5.23 | 1.68 | 7.28 | 2.25 | 15.46 | | |
| 2 | 10.63 | 52.71 | 36.45 | 14.93 | 8.40 | 1.89 | 15.99 | 9.36 | 1.34 | 4.80 | 1.89 | 14.93 | | |
| 3 | 8.21 | 65.35 | 32.73 | 14.19 | 7.47 | 1.89 | 14.93 | 9.36 | 1.34 | 3.40 | 1.89 | 14.93 | | |
| 4 | 10.33 | 50.70 | 29.09 | 13.67 | 5.23 | 1.89 | 11.32 | 8.69 | 1.02 | 3.17 | 1.68 | 14.40 | | |
| 5 | 7.75 | 44.76 | 29.09 | 13.67 | 5.23 | 1.89 | 6.83 | 7.47 | 1.02 | 4.80 | 1.68 | 14.40 | | |
| 6 | 7.47 | 68.30 | 27.89 | 14.19 | 5.23 | 2.25 | 5.23 | 6.83 | 1.34 | 14.93 | 1.89 | 14.40 | | |
| 7 | 6.37 | 73.28 | 15.78 | 14.40 | 4.80 | 2.78 | 4.38 | 6.37 | 1.34 | 57.59 | 1.89 | 14.40 | | |
| 8 | 5.49 | 54.73 | 29.09 | 15.46 | 4.80 | 14.40 | 2.63 | 6.37 | 2.25 | 372.92 | 2.25 | 14.40 | | |
| 9 | 27.30 | 44.11 | 12.33 | 14.93 | 3.97 | 3.81 | 2.25 | 5.49 | 2.25 | 629.89 | 2.25 | 9.36 | | |
| 10 | 32.73 | 48.04 | 23.21 | 14.72 | 3.81 | 2.25 | 1.02 | 12.64 | 2.25 | 321.37 | 2.25 | 3.56 | | |
| 11 | 45.41 | 39.61 | 12.33 | 17.39 | 3.81 | 1.89 | 1.34 | 16.53 | 2.25 | 107.85 | 1.34 | 0.00 | | |
| 12 | 165.07 | 68.30 | 12.33 | 65.35 | 3.40 | 1.68 | 2.78 | 13.36 | 2.25 | 26.12 | 0.10 | 0.00 | | |
| 13 | 314.72 | 45.41 | 12.33 | 47.38 | 3.40 | 1.34 | 1.34 | 9.36 | 2.25 | 15.24 | 0.00 | 0.00 | | |
| 14 | 421.88 | 107.85 | 12.33 | 26.12 | 3.40 | 1.34 | 1.55 | 7.47 | 2.25 | 14.93 | 0.00 | 0.00 | | |
| 15 | 151.61 | 106.62 | 12.33 | 35.20 | 3.17 | 1.34 | 2.04 | 5.23 | 2.25 | 14.93 | 0.00 | 0.00 | | |
| 16 | 32.73 | 132.90 | 14.19 | 32.73 | 3.17 | 0.33 | 6.55 | 4.80 | 3.56 | 9.84 | 0.00 | 0.00 | | |
| 17 | 28.49 | 64.37 | 23.79 | 24.36 | 5.23 | 0.33 | 4.22 | 4.63 | 7.01 | 8.88 | 0.00 | 0.00 | | |
| 18 | 12.33 | 46.72 | 12.33 | 12.33 | 6.37 | 0.33 | 3.17 | 4.63 | 27.30 | 3.97 | 0.00 | 0.43 | | |
| 19 | 14.72 | 46.72 | 12.33 | 11.13 | 5.23 | 0.60 | 2.25 | 4.22 | 46.72 | 2.25 | 0.00 | 0.43 | | |
| 20 | 104.01 | 41.52 | 14.93 | 9.84 | 4.80 | 0.60 | 1.89 | 4.63 | 19.26 | 5.23 | 0.00 | 0.60 | | |
| 21 | 64.37 | 74.29 | 12.33 | 9.84 | 4.38 | 1.34 | 5.23 | 4.22 | 15.46 | 5.23 | 5.67 | 0.60 | | |
| 22 | 22.64 | 71.28 | 19.26 | 7.93 | 4.22 | 2.25 | 8.69 | 3.17 | 22.64 | 5.23 | 8.21 | 0.43 | | |
| 23 | 18.16 | 72.28 | 17.61 | 6.55 | 4.22 | 2.04 | 11.63 | 3.17 | 13.67 | 5.06 | 11.32 | 0.43 | | |
| 24 | 19.81 | 79.35 | 16.31 | 6.37 | 2.78 | 1.21 | 10.63 | 3.01 | 7.75 | 3.97 | 13.36 | 2.04 | | |
| 25 | 13.15 | 74.29 | 15.99 | 5.49 | 2.25 | 0.33 | 11.13 | 2.78 | 5.93 | 2.04 | 13.88 | 17.07 | | |
| 26 | 11.83 | 63.39 | 18.71 | 7.47 | 2.04 | 0.89 | 11.13 | 2.78 | 3.81 | 3.56 | 13.36 | 21.50 | | |
| 27 | 19.26 | 53.38 | 17.61 | 7.28 | 2.04 | 5.23 | 7.28 | 2.63 | 4.63 | 3.17 | 15.78 | 33.96 | | |
| 28 | 53.38 | 105.24 | 16.85 | 9.36 | 1.89 | 7.28 | 4.63 | 2.63 | 11.13 | 2.40 | 15.78 | 39.61 | | |
| 29 | 45.41 | 89.65 | 15.99 | 7.01 | 1.89 | 15.24 | 3.17 | 2.63 | 11.13 | 2.40 | | 39.61 | | |
| 30 | 40.24 | 56.63 | 14.93 | 6.11 | 1.34 | 13.88 | 3.17 | 2.40 | 9.84 | 2.25 | | 39.61 | | |
| 31 | | 44.11 | | 7.75 | 1.89 | | 2.25 | | 8.69 | 2.25 | | 40.24 | | |
| Total | 1725.34 | 1998.02 | 583.93 | 508.08 | 129.22 | 94.41 | 186.64 | 182.09 | 245.61 | 1666.95 | 118.72 | 366.80 | 7805.81 | Tonday |
| Mean | 57.51 | 64.45 | 19.46 | 16.39 | 4.17 | 3.15 | 6.02 | 6.07 | 7.92 | 53.77 | 4.24 | 11.83 | | Ton/day |
| Max | 421.88 | 132.90 | 43.46 | 65.35 | 9.36 | 15.24 | 15.99 | 16.53 | 46.72 | 629.89 | 15.78 | 40.24 | 629.89 | Ton/day |
| Min | 5.49 | 12.13 | 12.33 | 5.49 | 1.34 | 0.33 | 1.02 | 2.40 | 1.02 | 2.04 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong U - Taphao at Ban Bang Sala , Songkhla (X.90)

Lat 06 - 55 - 39 N Long 100 - 26 - 37 E

**Location : on left bank at the bridge near Wat Bang Sala, Tambon Thung Lan.**

**Ban** Bang Sala **Amphoe** Khlong Hoi Khong **Changwat** Songkhla

| | |
|---|---|
| **Drainge Area** | 1,547 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US D- 49 |
| **Period of Available Records** | 1982 - Cont' d |
| **Actual Measurement** | 1982 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9494 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.5635\ QW^{1.32150}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 383.80 | 402.28 | 211.78 | 194.16 | 117.64 | 322.59 | 740.53 | 196.40 | 248.11 | 308.58 | 319.07 | 387.48 | | |
| 2 | 376.47 | 495.08 | 198.53 | 143.65 | 117.64 | 376.47 | 757.30 | 232.37 | 248.11 | 160.07 | 361.90 | 361.90 | | |
| 3 | 380.13 | 674.01 | 216.88 | 112.71 | 104.60 | 402.28 | 674.01 | 391.17 | 245.47 | 164.24 | 402.28 | 308.58 | | |
| 4 | 312.07 | 866.30 | 216.88 | 85.76 | 102.99 | 391.17 | 679.41 | 432.29 | 248.11 | 214.33 | 443.67 | 258.74 | | |
| 5 | 250.76 | 774.35 | 194.16 | 75.20 | 115.99 | 326.12 | 618.44 | 417.22 | 308.58 | 216.88 | 462.81 | 224.59 | | |
| 6 | 245.47 | 613.49 | 153.92 | 88.83 | 120.96 | 365.53 | 482.14 | 256.07 | 387.48 | 245.47 | 202.92 | 232.37 | | |
| 7 | 227.18 | 598.70 | 137.66 | 111.07 | 125.98 | 534.07 | 333.20 | 242.84 | 122.63 | 305.10 | 160.07 | 250.76 | | |
| 8 | 160.07 | 723.67 | 135.60 | 117.64 | 131.62 | 482.14 | 211.78 | 222.02 | 196.40 | 1352.73 | 139.61 | 267.46 | | |
| 9 | 153.92 | 701.45 | 117.64 | 117.64 | 176.91 | 164.24 | 187.71 | 119.30 | 222.02 | 2531.37 | 189.81 | 245.47 | | |
| 10 | 214.33 | 569.40 | 95.06 | 120.96 | 115.99 | 66.43 | 185.49 | 242.84 | 245.47 | 2278.22 | 196.40 | 229.77 | | |
| 11 | 232.37 | 495.08 | 93.50 | 137.66 | 75.20 | 237.59 | 183.39 | 291.27 | 245.47 | 1481.60 | 202.92 | 222.02 | | |
| 12 | 521.05 | 503.70 | 93.50 | 158.05 | 43.40 | 387.48 | 196.40 | 229.77 | 250.76 | 954.62 | 209.62 | 219.45 | | |
| 13 | 574.26 | 462.81 | 122.63 | 329.66 | 41.25 | 329.66 | 205.19 | 160.07 | 256.07 | 512.35 | 216.88 | 200.79 | | |
| 14 | 763.03 | 447.48 | 137.66 | 305.10 | 65.00 | 267.46 | 205.19 | 127.67 | 256.07 | 216.88 | 222.02 | 207.34 | | |
| 15 | 723.67 | 718.18 | 164.24 | 124.30 | 111.07 | 312.07 | 205.19 | 98.22 | 305.10 | 109.45 | 232.37 | 198.53 | | |
| 16 | 329.66 | 1386.79 | 200.79 | 164.24 | 155.92 | 351.07 | 229.77 | 78.18 | 387.48 | 372.81 | 229.77 | 158.05 | | |
| 17 | 151.80 | 1960.18 | 189.81 | 237.59 | 198.53 | 369.17 | 277.60 | 60.27 | 525.33 | 361.90 | 237.59 | 162.21 | | |
| 18 | 211.78 | 1674.83 | 187.71 | 242.84 | 240.21 | 287.84 | 305.10 | 60.27 | 147.71 | 294.71 | 245.47 | 168.44 | | |
| 19 | 207.34 | 1180.77 | 194.16 | 229.77 | 284.42 | 211.78 | 354.67 | 59.15 | 319.07 | 240.21 | 232.37 | 183.39 | | |
| 20 | 455.13 | 757.30 | 189.81 | 200.79 | 305.10 | 153.92 | 358.28 | 54.53 | 222.02 | 358.28 | 214.33 | 202.92 | | |
| 21 | 503.70 | 628.37 | 209.62 | 176.91 | 298.16 | 119.30 | 383.80 | 149.81 | 139.61 | 466.66 | 229.77 | 214.33 | | |
| 22 | 478.26 | 542.85 | 274.21 | 160.07 | 294.71 | 99.80 | 458.97 | 291.27 | 305.10 | 525.33 | 248.11 | 240.21 | | |
| 23 | 451.30 | 551.67 | 329.66 | 120.96 | 287.84 | 62.62 | 643.33 | 274.21 | 447.48 | 326.12 | 261.42 | 305.10 | | |
| 24 | 653.35 | 618.44 | 376.47 | 137.66 | 277.60 | 85.76 | 701.45 | 267.46 | 298.16 | 158.05 | 281.00 | 333.20 | | |
| 25 | 593.80 | 569.40 | 242.84 | 141.68 | 261.42 | 153.92 | 913.56 | 256.07 | 274.21 | 160.07 | 336.76 | 267.46 | | |
| 26 | 503.70 | 512.35 | 322.59 | 129.70 | 250.76 | 216.88 | 879.76 | 242.84 | 298.16 | 166.40 | 358.28 | 181.19 | | |
| 27 | 638.33 | 443.67 | 365.53 | 119.30 | 248.11 | 315.57 | 542.85 | 219.45 | 376.47 | 155.92 | 376.47 | 176.91 | | |
| 28 | 503.70 | 365.53 | 354.67 | 106.21 | 240.21 | 387.48 | 482.14 | 192.04 | 556.17 | 137.66 | 391.17 | 170.61 | | |
| 29 | 443.67 | 340.33 | 319.07 | 96.64 | 242.84 | 432.29 | 391.17 | 214.33 | 189.81 | 145.73 | | 229.77 | | |
| 30 | 417.22 | 305.10 | 258.74 | 96.64 | 281.00 | 451.30 | 242.84 | 240.21 | 439.87 | 219.45 | | 248.11 | | |
| 31 | | 245.47 | | 98.22 | 301.62 | | 209.62 | | 579.13 | 274.21 | | 336.76 | | |
| Total | 12061.32 | 21129.03 | 6305.32 | 4681.61 | 5734.69 | 8664.00 | 13240.28 | 6319.61 | 9291.63 | 15415.40 | 7604.86 | 7393.91 | 117841.66 | Tonday |
| Mean | 402.04 | 681.58 | 210.18 | 151.02 | 184.99 | 288.80 | 427.11 | 210.65 | 299.73 | 497.27 | 271.60 | 238.51 | | Ton/day |
| Max | 763.03 | 1960.18 | 376.47 | 329.66 | 305.10 | 534.07 | 913.56 | 432.29 | 579.13 | 2531.37 | 462.81 | 387.48 | 2531.37 | Ton/day |
| Min | 151.80 | 245.47 | 93.50 | 75.20 | 41.25 | 62.62 | 183.39 | 54.53 | 122.63 | 109.45 | 139.61 | 158.05 | 41.25 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Bang Kaeo at Ban Khuan In No Mo , Phutthalung (X.109)

Lat 07 - 20 - 29 N Long 100 - 03 - 35 E

**Location : on left bank at Ban Khuan In No Mo.**

**Ban** Khuan In No Mo **Amphoe** Ta Mot **Changwat** Phatthalung

| | |
|---|---|
| **Drainge Area** | 131 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US D-49 |
| **Period of Available Records** | 1998 - Cont' d |
| **Actual Measurement** | 1998 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.7748 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.9969\ QW^{1.33320}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.32 | 24.46 | 24.94 | 16.72 | 14.01 | 10.60 | 23.46 | 20.50 | 19.03 | 19.53 | 18.58 | 8.21 | | |
| 2 | 0.88 | 24.94 | 20.50 | 16.23 | 13.54 | 11.83 | 21.93 | 19.98 | 18.58 | 18.58 | 18.08 | 7.80 | | |
| 3 | 0.35 | 28.04 | 20.95 | 15.80 | 13.14 | 13.14 | 27.55 | 18.08 | 16.72 | 17.64 | 17.64 | 7.80 | | |
| 4 | 39.59 | 26.99 | 19.53 | 16.72 | 13.14 | 11.83 | 19.98 | 22.92 | 16.72 | 17.64 | 16.72 | 7.45 | | |
| 5 | 48.34 | 24.94 | 19.03 | 15.80 | 13.14 | 10.99 | 17.15 | 43.05 | 16.23 | 17.15 | 16.23 | 7.05 | | |
| 6 | 36.72 | 22.92 | 19.53 | 15.32 | 12.68 | 10.60 | 15.80 | 57.59 | 21.93 | 17.15 | 15.32 | 7.05 | | |
| 7 | 32.30 | 21.47 | 19.03 | 16.23 | 12.68 | 10.17 | 14.90 | 48.34 | 19.98 | 48.34 | 14.90 | 6.71 | | |
| 8 | 28.60 | 21.47 | 18.08 | 16.23 | 12.68 | 12.68 | 14.01 | 37.84 | 23.46 | 691.86 | 14.42 | 6.71 | | |
| 9 | 28.60 | 28.60 | 16.72 | 16.23 | 12.68 | 10.17 | 12.28 | 34.49 | 21.47 | 180.20 | 14.01 | 6.32 | | |
| 10 | 28.04 | 30.15 | 16.23 | 15.80 | 12.68 | 9.79 | 12.28 | 37.84 | 21.47 | 92.52 | 13.54 | 6.32 | | |
| 11 | 33.39 | 26.99 | 16.23 | 74.18 | 12.28 | 9.36 | 11.83 | 39.59 | 27.55 | 121.79 | 13.14 | 5.98 | | |
| 12 | 79.58 | 20.95 | 15.32 | 30.15 | 11.83 | 9.36 | 11.83 | 30.15 | 47.78 | 56.92 | 12.68 | 5.98 | | |
| 13 | 79.58 | 21.47 | 11.43 | 20.50 | 11.83 | 9.36 | 12.28 | 46.58 | 33.98 | 47.78 | 12.28 | 5.98 | | |
| 14 | 80.48 | 21.47 | 10.60 | 30.15 | 12.28 | 9.79 | 18.58 | 42.43 | 28.04 | 44.77 | 11.83 | 5.98 | | |
| 15 | 48.98 | 55.09 | 19.53 | 31.80 | 12.28 | 9.36 | 14.01 | 32.88 | 29.65 | 38.45 | 11.43 | 5.61 | | |
| 16 | 48.34 | 27.55 | 16.23 | 22.92 | 17.15 | 8.57 | 16.72 | 35.60 | 36.20 | 33.39 | 10.99 | 5.98 | | |
| 17 | 36.72 | 24.94 | 15.32 | 19.98 | 13.14 | 8.99 | 13.54 | 61.38 | 319.63 | 34.49 | 10.60 | 5.98 | | |
| 18 | 38.45 | 31.80 | 19.03 | 19.03 | 12.28 | 10.17 | 12.28 | 92.52 | 79.58 | 57.59 | 10.17 | 5.98 | | |
| 19 | 36.72 | 31.22 | 16.23 | 18.58 | 11.83 | 10.17 | 11.83 | 75.97 | 53.86 | 39.59 | 10.17 | 5.98 | | |
| 20 | 39.59 | 32.88 | 51.97 | 17.64 | 11.83 | 10.17 | 18.08 | 53.20 | 39.59 | 35.08 | 9.79 | 9.79 | | |
| 21 | 32.30 | 30.72 | 22.46 | 17.15 | 13.54 | 9.79 | 17.64 | 43.59 | 38.45 | 32.88 | 9.79 | 8.21 | | |
| 22 | 30.15 | 30.72 | 28.60 | 17.15 | 12.28 | 9.79 | 39.59 | 37.84 | 41.89 | 31.80 | 9.36 | 16.23 | | |
| 23 | 37.84 | 32.30 | 22.92 | 16.23 | 11.43 | 9.79 | 21.93 | 31.80 | 33.39 | 29.65 | 9.36 | 12.28 | | |
| 24 | 32.30 | 28.04 | 19.03 | 15.80 | 11.43 | 21.47 | 27.55 | 29.09 | 29.65 | 26.99 | 9.36 | 10.60 | | |
| 25 | 23.92 | 24.94 | 19.98 | 15.32 | 10.99 | 22.92 | 68.88 | 26.51 | 27.55 | 25.96 | 9.36 | 33.39 | | |
| 26 | 38.45 | 24.94 | 28.04 | 14.90 | 10.99 | 12.28 | 29.09 | 23.92 | 23.92 | 24.46 | 8.99 | 16.72 | | |
| 27 | 31.80 | 24.46 | 20.95 | 14.42 | 14.42 | 19.53 | 22.46 | 23.92 | 23.46 | 22.92 | 8.57 | 14.42 | | |
| 28 | 29.09 | 24.46 | 23.46 | 14.42 | 10.99 | 14.90 | 19.03 | 21.47 | 27.55 | 21.47 | 8.21 | 14.01 | | |
| 29 | 26.51 | 22.92 | 20.50 | 14.42 | 10.99 | 19.03 | 18.08 | 20.95 | 22.46 | 20.50 | | 17.15 | | |
| 30 | 25.48 | 19.98 | 18.08 | 14.42 | 10.99 | 15.80 | 19.53 | 19.03 | 21.47 | 19.53 | | 10.99 | | |
| 31 | | 17.15 | | 14.42 | 10.60 | | 31.80 | | 20.50 | 19.03 | | 9.79 | | |
| Total | 1079.41 | 828.97 | 610.45 | 614.66 | 385.75 | 362.40 | 635.90 | 1129.05 | 1201.74 | 1905.65 | 345.52 | 298.45 | 9397.95 | Tonday |
| Mean | 35.98 | 26.74 | 20.35 | 19.83 | 12.44 | 12.08 | 20.51 | 37.64 | 38.77 | 61.47 | 12.34 | 9.63 | | Ton/day |
| Max | 80.48 | 55.09 | 51.97 | 74.18 | 17.15 | 22.92 | 68.88 | 92.52 | 319.63 | 691.86 | 18.58 | 33.39 | 691.86 | Ton/day |
| Min | 0.35 | 17.15 | 10.60 | 14.42 | 10.60 | 8.57 | 11.83 | 18.08 | 16.23 | 17.15 | 8.21 | 5.61 | 0.35 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Lam at Ban Khlong Lam , Phatthalung (X.170)

Lat 07 - 33 - 22 N Long 99 - 59 - 31 E

**Location : on left bank at the bridge.**

**Ban** Khlong Lam **Amphoe** Srinagarindra **Changwat** Phatthalung

| | |
|---|---|
| **Drainge Area** | 258 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US D-59 |
| **Period of Available Records** | 2005 - Cont' d |
| **Actual Measurement** | 2005 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 20 |
| **R-Square** | 0.7721 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.2959\ QW^{1.56600}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42.22 | 27.29 | 32.01 | 32.01 | 25.78 | 21.44 | 42.22 | 30.40 | 32.01 | 38.70 | 32.01 | 17.39 | | |
| 2 | 47.71 | 27.29 | 38.70 | 28.83 | 25.78 | 20.05 | 35.30 | 27.29 | 32.01 | 35.30 | 30.40 | 17.39 | | |
| 3 | 40.45 | 28.83 | 33.64 | 28.83 | 24.30 | 18.71 | 45.85 | 27.29 | 30.40 | 33.64 | 30.40 | 17.39 | | |
| 4 | 38.70 | 32.01 | 32.01 | 32.01 | 24.30 | 18.71 | 47.71 | 33.64 | 28.83 | 32.01 | 28.83 | 16.11 | | |
| 5 | 49.59 | 27.29 | 30.40 | 27.29 | 25.78 | 20.05 | 36.99 | 38.70 | 28.83 | 32.01 | 27.29 | 16.11 | | |
| 6 | 38.70 | 25.78 | 28.83 | 35.30 | 28.83 | 20.05 | 32.01 | 44.02 | 35.30 | 30.40 | 27.29 | 16.11 | | |
| 7 | 35.30 | 25.78 | 30.40 | 32.01 | 24.30 | 21.44 | 42.22 | 42.22 | 51.49 | 59.38 | 27.29 | 16.11 | | |
| 8 | 33.64 | 25.78 | 28.83 | 35.30 | 25.78 | 28.83 | 30.40 | 33.64 | 38.70 | 608.07 | 25.78 | 14.87 | | |
| 9 | 32.01 | 27.29 | 27.29 | 32.01 | 25.78 | 20.05 | 28.83 | 35.30 | 35.30 | 273.52 | 25.78 | 14.87 | | |
| 10 | 33.64 | 42.22 | 27.29 | 38.70 | 24.30 | 18.71 | 25.78 | 35.30 | 33.64 | 115.62 | 24.30 | 14.87 | | |
| 11 | 47.71 | 33.64 | 32.01 | 42.22 | 22.85 | 18.71 | 27.29 | 36.99 | 49.59 | 132.50 | 24.30 | 14.87 | | |
| 12 | 45.85 | 28.83 | 27.29 | 53.43 | 21.44 | 17.39 | 25.78 | 35.30 | 107.50 | 245.96 | 24.30 | 14.87 | | |
| 13 | 45.85 | 27.29 | 25.78 | 44.02 | 28.83 | 22.85 | 25.78 | 65.55 | 63.47 | 76.33 | 24.30 | 13.66 | | |
| 14 | 42.22 | 27.29 | 27.29 | 225.99 | 28.83 | 32.01 | 28.83 | 71.95 | 47.71 | 78.55 | 22.85 | 13.66 | | |
| 15 | 35.30 | 45.85 | 49.59 | 74.12 | 22.85 | 21.44 | 22.85 | 59.38 | 45.85 | 63.47 | 22.85 | 12.49 | | |
| 16 | 35.30 | 32.01 | 30.40 | 51.49 | 47.71 | 20.05 | 22.85 | 59.38 | 45.85 | 55.39 | 22.85 | 12.49 | | |
| 17 | 33.64 | 40.45 | 30.40 | 44.02 | 33.64 | 20.05 | 24.30 | 74.12 | 115.62 | 55.39 | 22.85 | 12.49 | | |
| 18 | 33.64 | 67.66 | 36.99 | 38.70 | 27.29 | 21.44 | 22.85 | 163.99 | 76.33 | 61.41 | 21.44 | 12.49 | | |
| 19 | 33.64 | 95.72 | 40.45 | 38.70 | 25.78 | 18.71 | 24.30 | 159.34 | 78.55 | 57.37 | 21.44 | 24.30 | | |
| 20 | 36.99 | 76.33 | 55.39 | 35.30 | 24.30 | 17.39 | 42.22 | 76.33 | 59.38 | 55.39 | 20.05 | 14.87 | | |
| 21 | 32.01 | 88.15 | 49.59 | 33.64 | 22.85 | 18.71 | 36.99 | 65.55 | 59.38 | 49.59 | 20.05 | 13.66 | | |
| 22 | 32.01 | 71.95 | 67.66 | 32.01 | 21.44 | 17.39 | 57.37 | 51.49 | 57.37 | 45.85 | 20.05 | 24.30 | | |
| 23 | 33.64 | 107.50 | 40.45 | 30.40 | 21.44 | 17.39 | 38.70 | 49.59 | 55.39 | 44.02 | 20.05 | 21.44 | | |
| 24 | 35.30 | 59.38 | 35.30 | 28.83 | 20.05 | 20.05 | 42.22 | 45.85 | 49.59 | 42.22 | 20.05 | 18.71 | | |
| 25 | 35.30 | 55.39 | 53.43 | 28.83 | 20.05 | 17.39 | 57.37 | 51.49 | 42.22 | 38.70 | 20.05 | 35.30 | | |
| 26 | 40.45 | 47.71 | 55.39 | 27.29 | 20.05 | 17.39 | 38.70 | 42.22 | 42.22 | 38.70 | 18.71 | 27.29 | | |
| 27 | 35.30 | 44.02 | 40.45 | 25.78 | 27.29 | 25.78 | 36.99 | 38.70 | 40.45 | 36.99 | 18.71 | 17.39 | | |
| 28 | 32.01 | 38.70 | 36.99 | 32.01 | 30.40 | 36.99 | 32.01 | 35.30 | 40.45 | 35.30 | 17.39 | 16.11 | | |
| 29 | 28.83 | 36.99 | 33.64 | 27.29 | 21.44 | 53.43 | 30.40 | 35.30 | 40.45 | 36.99 | | 16.11 | | |
| 30 | 28.83 | 36.99 | 32.01 | 25.78 | 22.85 | 36.99 | 28.83 | 33.64 | 44.02 | 33.64 | | 16.11 | | |
| 31 | | 35.30 | | 27.29 | 22.85 | | 27.29 | | 42.22 | 32.01 | | 16.11 | | |
| Total | 1115.78 | 1386.71 | 1109.90 | 1289.43 | 789.16 | 679.59 | 1061.23 | 1599.26 | 1550.12 | 2574.42 | 661.66 | 529.94 | 14347.20 | Tonday |
| Mean | 37.19 | 44.73 | 37.00 | 41.59 | 25.46 | 22.65 | 34.23 | 53.31 | 50.00 | 83.05 | 23.63 | 17.09 | | Ton/day |
| Max | 49.59 | 107.50 | 67.66 | 225.99 | 47.71 | 53.43 | 57.37 | 163.99 | 115.62 | 608.07 | 32.01 | 35.30 | 608.07 | Ton/day |
| Min | 28.83 | 25.78 | 25.78 | 25.78 | 20.05 | 17.39 | 22.85 | 27.29 | 28.83 | 30.40 | 17.39 | 12.49 | 12.49 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Khlong Wa at Ban Khlong Wa , Songkhla (X.174)

Lat 06 - 59 - 42 N Long 100 - 29 - 05 E

**Location : on right bank at the bridge.**

**Ban** Khlong Wa **Amphoe** Hat Yai **Changwat** Songkhla

| | |
|---|---|
| **Drainge Area** | 116 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH - 59 |
| **Period of Available Records** | 2003 - Cont' d |
| **Actual Measurement** | 2003 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8554 |
| **Remarks** | Continued Sediment Station |

$$QS = 6.0350\ QW^{1.31930}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23.25 | 15.36 | 24.92 | 14.57 | 11.68 | 0.00 | 12.44 | 16.87 | 13.11 | 45.58 | 7.09 | 2.61 | | |
| 2 | 23.25 | 15.36 | 23.25 | 14.57 | 11.68 | 0.00 | 13.11 | 16.87 | 13.11 | 40.71 | 5.88 | 2.61 | | |
| 3 | 22.38 | 16.06 | 22.38 | 13.88 | 10.30 | 0.00 | 13.11 | 14.57 | 12.44 | 40.71 | 5.88 | 2.10 | | |
| 4 | 20.75 | 17.59 | 20.75 | 13.88 | 10.30 | 0.00 | 13.88 | 14.57 | 12.44 | 39.20 | 5.88 | 2.10 | | |
| 5 | 20.75 | 17.59 | 20.00 | 13.88 | 4.13 | 0.00 | 13.88 | 13.88 | 11.68 | 36.10 | 5.25 | 2.10 | | |
| 6 | 24.03 | 20.00 | 20.00 | 13.11 | 4.13 | 0.00 | 13.88 | 13.88 | 12.44 | 33.06 | 5.25 | 2.10 | | |
| 7 | 22.38 | 21.61 | 19.16 | 13.11 | 4.13 | 3.63 | 16.87 | 14.57 | 12.44 | 72.04 | 4.13 | 1.68 | | |
| 8 | 22.38 | 21.61 | 18.42 | 13.11 | 4.13 | 5.88 | 16.06 | 15.36 | 33.06 | 587.14 | 1.68 | 1.68 | | |
| 9 | 24.03 | 24.03 | 17.59 | 12.44 | 4.13 | 10.30 | 13.88 | 13.88 | 25.71 | 198.08 | 0.00 | 0.87 | | |
| 10 | 28.58 | 24.03 | 17.59 | 12.44 | 0.00 | 16.06 | 13.88 | 23.25 | 22.38 | 151.03 | 0.00 | 0.87 | | |
| 11 | 36.10 | 25.71 | 16.87 | 12.44 | 0.00 | 13.88 | 13.11 | 17.59 | 20.75 | 226.34 | 0.00 | 0.00 | | |
| 12 | 37.58 | 30.09 | 16.87 | 11.68 | 0.00 | 13.11 | 13.11 | 33.06 | 20.00 | 192.54 | 0.00 | 0.00 | | |
| 13 | 37.58 | 33.06 | 16.06 | 11.68 | 0.00 | 12.44 | 13.88 | 28.58 | 18.42 | 87.65 | 0.00 | 0.00 | | |
| 14 | 37.58 | 28.58 | 16.06 | 11.03 | 0.00 | 10.30 | 17.59 | 24.03 | 17.59 | 57.21 | 0.00 | 0.00 | | |
| 15 | 34.51 | 27.19 | 15.36 | 11.03 | 0.00 | 10.30 | 24.92 | 20.75 | 17.59 | 48.86 | 0.00 | 0.00 | | |
| 16 | 25.71 | 25.71 | 15.36 | 10.30 | 0.00 | 10.30 | 25.71 | 17.59 | 22.38 | 48.86 | 0.00 | 0.00 | | |
| 17 | 21.61 | 25.71 | 15.36 | 10.30 | 0.00 | 10.30 | 22.38 | 17.59 | 43.90 | 40.71 | 2.61 | 0.00 | | |
| 18 | 21.61 | 25.71 | 14.57 | 9.67 | 0.00 | 10.30 | 20.75 | 16.06 | 95.80 | 33.06 | 7.68 | 0.00 | | |
| 19 | 20.75 | 24.92 | 14.57 | 9.67 | 0.00 | 10.30 | 19.16 | 16.06 | 64.59 | 30.09 | 7.68 | 0.00 | | |
| 20 | 20.75 | 24.03 | 16.87 | 8.97 | 0.00 | 10.30 | 19.16 | 15.36 | 48.86 | 25.71 | 7.68 | 0.00 | | |
| 21 | 20.75 | 24.03 | 19.16 | 8.97 | 0.00 | 11.68 | 17.59 | 15.36 | 48.86 | 25.71 | 7.09 | 0.00 | | |
| 22 | 20.00 | 28.58 | 17.59 | 8.36 | 0.00 | 12.44 | 17.59 | 14.57 | 48.86 | 25.71 | 7.09 | 0.00 | | |
| 23 | 20.00 | 34.51 | 16.87 | 7.68 | 0.00 | 13.88 | 17.59 | 14.57 | 28.58 | 23.25 | 7.09 | 0.00 | | |
| 24 | 20.00 | 39.20 | 16.06 | 7.68 | 0.00 | 13.88 | 17.59 | 13.88 | 25.71 | 21.61 | 4.13 | 0.00 | | |
| 25 | 19.16 | 52.18 | 14.57 | 7.09 | 0.00 | 14.57 | 21.61 | 13.11 | 25.71 | 20.00 | 3.63 | 0.00 | | |
| 26 | 19.16 | 37.58 | 13.88 | 7.09 | 0.00 | 13.88 | 17.59 | 12.44 | 25.71 | 17.59 | 3.08 | 0.00 | | |
| 27 | 19.16 | 31.51 | 13.88 | 6.44 | 0.00 | 13.11 | 16.87 | 12.44 | 25.71 | 16.87 | 2.61 | 0.00 | | |
| 28 | 19.16 | 33.06 | 13.11 | 6.44 | 0.00 | 13.11 | 16.06 | 12.44 | 124.23 | 15.36 | 2.61 | 0.00 | | |
| 29 | 18.42 | 31.51 | 13.11 | 5.88 | 0.00 | 13.88 | 16.06 | 12.44 | 95.80 | 15.36 | | 0.00 | | |
| 30 | 18.42 | 31.51 | 12.44 | 5.88 | 0.00 | 13.11 | 16.06 | 11.68 | 48.86 | 10.30 | | 0.00 | | |
| 31 | | 33.06 | | 5.88 | 0.00 | | 17.59 | | 45.58 | 7.09 | | 0.00 | | |
| Total | 719.79 | 840.68 | 512.68 | 319.15 | 64.61 | 280.94 | 522.96 | 497.30 | 1082.30 | 2233.53 | 104.02 | 18.72 | 7196.68 | Tonday |
| Mean | 23.99 | 27.12 | 17.09 | 10.30 | 2.08 | 9.36 | 16.87 | 16.58 | 34.91 | 72.05 | 3.71 | 0.60 | | Ton/day |
| Max | 37.58 | 52.18 | 24.92 | 14.57 | 11.68 | 16.06 | 25.71 | 33.06 | 124.23 | 587.14 | 7.68 | 2.61 | 587.14 | Ton/day |
| Min | 18.42 | 15.36 | 12.44 | 5.88 | 0.00 | 0.00 | 12.44 | 11.68 | 11.68 | 7.09 | 0.00 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## THALE SAP SONGKHLA

### Upper Khlong Wat at Ban Hu Rae , Songkhla (X.240)

Lat 06 - 59 - 03 N Long 100 - 19 - 44 E

**Location : on right bank at the bridge.**

**Ban** Hu Rae **Amphoe** Hat Yai **Changwat** Songkhla

| | |
|---|---|
| **Drainge Area** | 127 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US D-49 |
| **Period of Available Records** | 2005 - Cont' d |
| **Actual Measurement** | 2005 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8138 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.8967\ QW^{1.56340}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.85 | 19.49 | 10.20 | 3.30 | 2.49 | 1.89 | 4.52 | 2.49 | 1.89 | 5.18 | 4.52 | 2.64 | | |
| 2 | 13.37 | 31.41 | 8.93 | 3.19 | 2.23 | 1.99 | 8.12 | 2.75 | 1.89 | 4.21 | 4.21 | 2.64 | | |
| 3 | 15.82 | 20.59 | 7.35 | 3.19 | 2.23 | 1.75 | 11.52 | 2.23 | 1.89 | 3.90 | 4.21 | 2.64 | | |
| 4 | 27.01 | 14.33 | 6.23 | 3.19 | 2.13 | 1.66 | 3.90 | 2.49 | 1.89 | 3.78 | 4.21 | 2.49 | | |
| 5 | 15.82 | 12.43 | 6.23 | 2.91 | 2.13 | 1.53 | 3.19 | 4.52 | 1.89 | 3.60 | 4.21 | 2.49 | | |
| 6 | 11.97 | 13.37 | 13.37 | 3.48 | 1.99 | 1.53 | 2.91 | 3.90 | 1.66 | 34.04 | 3.90 | 2.38 | | |
| 7 | 10.20 | 18.95 | 8.93 | 3.19 | 2.13 | 3.30 | 2.38 | 4.52 | 48.25 | 32.06 | 3.90 | 2.23 | | |
| 8 | 8.93 | 13.37 | 5.18 | 2.91 | 2.13 | 3.19 | 2.13 | 3.90 | 6.97 | 4650.43 | 4.21 | 2.13 | | |
| 9 | 8.53 | 11.07 | 4.85 | 3.02 | 2.23 | 1.99 | 1.99 | 3.19 | 3.02 | 357.43 | 3.78 | 2.13 | | |
| 10 | 8.93 | 14.82 | 4.85 | 2.91 | 2.23 | 1.53 | 1.99 | 3.02 | 2.64 | 85.32 | 3.48 | 2.13 | | |
| 11 | 28.87 | 11.52 | 5.52 | 4.21 | 2.23 | 1.32 | 2.13 | 5.18 | 2.91 | 43.07 | 0.93 | 2.13 | | |
| 12 | 654.33 | 15.82 | 4.21 | 8.93 | 2.13 | 1.44 | 1.89 | 8.53 | 3.90 | 30.13 | 0.93 | 2.13 | | |
| 13 | 616.14 | 11.07 | 3.78 | 3.90 | 2.13 | 1.44 | 2.23 | 3.90 | 3.02 | 22.28 | 3.30 | 1.89 | | |
| 14 | 131.17 | 57.60 | 4.52 | 10.63 | 2.13 | 2.49 | 1.89 | 3.30 | 2.13 | 18.95 | 3.19 | 1.89 | | |
| 15 | 46.00 | 20.59 | 5.18 | 5.52 | 1.75 | 1.75 | 2.91 | 3.02 | 1.99 | 15.32 | 2.91 | 1.89 | | |
| 16 | 29.50 | 12.90 | 3.60 | 3.90 | 3.02 | 1.99 | 2.49 | 3.19 | 2.13 | 13.85 | 2.91 | 1.75 | | |
| 17 | 21.71 | 14.33 | 3.78 | 3.30 | 2.91 | 1.99 | 4.52 | 3.30 | 82.01 | 12.90 | 2.91 | 1.99 | | |
| 18 | 18.41 | 11.07 | 3.48 | 3.19 | 2.64 | 1.75 | 2.23 | 2.91 | 118.43 | 18.95 | 2.91 | 1.89 | | |
| 19 | 20.04 | 11.52 | 3.60 | 3.30 | 1.99 | 1.66 | 1.99 | 3.02 | 24.60 | 13.37 | 3.02 | 2.13 | | |
| 20 | 127.30 | 11.07 | 6.97 | 3.30 | 1.89 | 1.53 | 2.38 | 3.02 | 10.63 | 11.97 | 3.02 | 2.91 | | |
| 21 | 31.41 | 20.59 | 4.21 | 3.48 | 1.89 | 2.49 | 2.23 | 2.91 | 45.26 | 10.20 | 3.02 | 2.91 | | |
| 22 | 22.85 | 17.88 | 6.23 | 3.02 | 1.75 | 1.75 | 7.73 | 2.75 | 34.71 | 9.77 | 2.91 | 3.60 | | |
| 23 | 52.85 | 15.32 | 4.85 | 2.64 | 1.75 | 1.53 | 5.52 | 2.64 | 14.82 | 8.93 | 3.19 | 9.35 | | |
| 24 | 26.40 | 11.52 | 3.60 | 2.75 | 1.66 | 2.23 | 3.48 | 2.49 | 9.35 | 8.12 | 3.02 | 2.91 | | |
| 25 | 27.62 | 12.43 | 5.52 | 3.48 | 1.53 | 2.23 | 8.12 | 2.49 | 6.59 | 7.35 | 2.91 | 8.93 | | |
| 26 | 23.43 | 16.32 | 5.18 | 3.30 | 1.53 | 2.75 | 4.52 | 2.23 | 5.18 | 7.35 | 2.38 | 3.02 | | |
| 27 | 24.01 | 15.82 | 3.90 | 2.64 | 2.13 | 3.78 | 3.19 | 2.49 | 3.48 | 6.23 | 2.38 | 2.38 | | |
| 28 | 18.41 | 44.53 | 4.52 | 2.91 | 1.99 | 4.21 | 2.91 | 2.13 | 61.67 | 6.59 | 2.49 | 2.13 | | |
| 29 | 15.82 | 17.88 | 3.60 | 2.49 | 1.75 | 5.18 | 2.91 | 1.99 | 15.82 | 6.23 | | 2.13 | | |
| 30 | 13.85 | 16.32 | 3.30 | 2.38 | 1.75 | 12.90 | 2.38 | 1.99 | 9.35 | 5.52 | | 2.75 | | |
| 31 | | 13.85 | | 3.30 | 2.49 | | 2.64 | | 6.59 | 5.18 | | 2.23 | | |
| Total | 2084.55 | 549.78 | 165.67 | 113.86 | 64.96 | 76.77 | 112.94 | 96.49 | 536.56 | 5462.21 | 88.96 | 86.84 | 9439.59 | Tonday |
| Mean | 69.48 | 17.73 | 5.52 | 3.67 | 2.10 | 2.56 | 3.64 | 3.22 | 17.31 | 176.20 | 3.18 | 2.80 | | Ton/day |
| Max | 654.33 | 57.60 | 13.37 | 10.63 | 3.02 | 12.90 | 11.52 | 8.53 | 118.43 | 4650.43 | 4.52 | 9.35 | 4650.43 | Ton/day |
| Min | 8.53 | 11.07 | 3.30 | 2.38 | 1.53 | 1.32 | 1.89 | 1.99 | 1.66 | 3.60 | 0.93 | 1.75 | 0.93 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Ta Kuaw Pa at Ban Hin Dan , Phangnga (X.187)

Lat 08 - 46 - 25 N Long 98 - 23 - 36 E

**Location : on left bank at the bridge on Surat Thanu - Phang Nga Highway.**

**Ban** Hin Dan **Amphoe** Ta Kuaw Pa **Changwat** Phangnga

| | |
|---|---|
| **Drainge Area** | 546 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH - 59 |
| **Period of Available Records** | 2003 - Cont' d |
| **Actual Measurement** | 2003 - Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9334 |
| **Remarks** | Continued Sediment Station |

$$QS = 2.0150\ QW^{1.25010}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.32 | 14.32 | 112.40 | 172.52 | 343.65 | 1261.25 | 2855.11 | 136.82 | 79.95 | 12.12 | 7.96 | 8.96 | | |
| 2 | 12.12 | 13.21 | 79.95 | 172.52 | 308.81 | 734.52 | 2477.44 | 122.05 | 76.55 | 11.04 | 6.97 | 8.96 | | |
| 3 | 11.04 | 13.21 | 69.83 | 300.21 | 241.48 | 497.43 | 7081.45 | 107.63 | 73.18 | 9.99 | 6.02 | 7.96 | | |
| 4 | 8.96 | 12.12 | 66.52 | 317.45 | 217.13 | 354.25 | 3665.41 | 93.59 | 69.83 | 9.99 | 6.02 | 7.96 | | |
| 5 | 14.32 | 15.45 | 76.55 | 185.50 | 209.13 | 419.12 | 3168.20 | 79.95 | 66.52 | 9.99 | 5.09 | 7.96 | | |
| 6 | 16.59 | 21.52 | 98.22 | 172.52 | 201.19 | 308.81 | 2212.22 | 69.83 | 63.24 | 8.96 | 5.09 | 6.97 | | |
| 7 | 16.59 | 76.55 | 73.18 | 258.00 | 157.02 | 274.73 | 1813.66 | 59.99 | 59.99 | 8.96 | 4.20 | 6.02 | | |
| 8 | 13.21 | 53.61 | 79.95 | 172.52 | 141.82 | 258.00 | 1023.13 | 53.61 | 56.78 | 7.96 | 4.20 | 5.09 | | |
| 9 | 21.52 | 146.85 | 162.15 | 172.52 | 122.05 | 386.41 | 763.32 | 47.37 | 66.52 | 7.96 | 4.20 | 5.09 | | |
| 10 | 17.75 | 102.91 | 98.22 | 233.31 | 117.20 | 291.67 | 851.04 | 44.31 | 66.52 | 7.96 | 3.35 | 5.09 | | |
| 11 | 76.55 | 59.99 | 93.59 | 386.41 | 112.40 | 266.34 | 1261.25 | 41.30 | 63.24 | 6.97 | 3.35 | 4.20 | | |
| 12 | 63.24 | 38.32 | 93.59 | 2567.16 | 209.13 | 291.67 | 836.29 | 32.51 | 59.99 | 6.97 | 3.35 | 4.20 | | |
| 13 | 84.45 | 63.24 | 98.22 | 2507.28 | 225.19 | 531.79 | 777.81 | 29.68 | 59.99 | 6.97 | 2.53 | 3.35 | | |
| 14 | 98.22 | 56.78 | 79.95 | 3133.10 | 452.36 | 2388.37 | 1058.30 | 26.90 | 66.52 | 6.02 | 2.53 | 3.35 | | |
| 15 | 112.40 | 44.31 | 69.83 | 4045.77 | 1548.62 | 2889.57 | 691.73 | 24.18 | 63.24 | 6.02 | 2.53 | 2.53 | | |
| 16 | 89.00 | 69.83 | 66.52 | 2046.37 | 2241.39 | 1548.62 | 531.79 | 50.47 | 59.99 | 5.09 | 1.77 | 3.35 | | |
| 17 | 50.47 | 441.22 | 122.05 | 1342.14 | 3498.82 | 884.94 | 386.41 | 76.55 | 53.61 | 5.09 | 1.77 | 6.97 | | |
| 18 | 53.61 | 851.04 | 217.13 | 763.32 | 1890.61 | 621.59 | 334.87 | 84.45 | 47.37 | 5.09 | 1.77 | 6.97 | | |
| 19 | 21.52 | 1241.18 | 554.94 | 884.94 | 2855.11 | 419.12 | 300.21 | 76.55 | 44.31 | 7.96 | 1.77 | 7.96 | | |
| 20 | 18.93 | 2657.51 | 1864.89 | 554.94 | 1201.25 | 334.87 | 317.45 | 84.45 | 41.30 | 16.59 | 4.20 | 9.99 | | |
| 21 | 18.93 | 2098.84 | 1111.48 | 508.83 | 677.59 | 258.00 | 225.19 | 73.18 | 38.32 | 15.45 | 12.12 | 16.59 | | |
| 22 | 16.59 | 1058.30 | 1005.64 | 334.87 | 474.79 | 225.19 | 162.15 | 79.95 | 29.68 | 13.21 | 12.12 | 32.51 | | |
| 23 | 9.99 | 1183.18 | 474.79 | 300.21 | 354.25 | 172.52 | 172.52 | 69.83 | 26.90 | 13.21 | 11.04 | 76.55 | | |
| 24 | 15.45 | 1201.25 | 317.45 | 283.17 | 266.34 | 217.13 | 317.45 | 76.55 | 24.18 | 12.12 | 11.04 | 69.83 | | |
| 25 | 7.96 | 607.75 | 386.41 | 241.48 | 233.31 | 520.29 | 249.72 | 76.55 | 18.93 | 12.12 | 11.04 | 73.18 | | |
| 26 | 12.12 | 419.12 | 691.73 | 201.19 | 474.79 | 1382.96 | 209.13 | 69.83 | 17.75 | 11.04 | 9.99 | 76.55 | | |
| 27 | 17.75 | 291.67 | 677.59 | 249.72 | 441.22 | 2125.17 | 172.52 | 66.52 | 16.59 | 11.04 | 9.99 | 73.18 | | |
| 28 | 15.45 | 209.13 | 441.22 | 217.13 | 386.41 | 1301.57 | 146.85 | 66.52 | 15.45 | 11.04 | 9.99 | 69.83 | | |
| 29 | 15.45 | 167.32 | 308.81 | 217.13 | 734.52 | 1075.96 | 117.20 | 79.95 | 14.32 | 8.96 | | 69.83 | | |
| 30 | 14.32 | 136.82 | 233.31 | 386.41 | 486.08 | 4405.84 | 98.22 | 76.55 | 13.21 | 8.96 | | 66.52 | | |
| 31 | | 131.86 | | 463.54 | 734.52 | | 162.15 | | 12.12 | 7.96 | | 66.52 | | |
| Total | 958.82 | 13498.41 | 9826.11 | 23792.18 | 21558.18 | 26647.70 | 34440.19 | 2077.62 | 1466.09 | 292.81 | 166.00 | 814.02 | 135538.13 | Tonday |
| Mean | 31.96 | 435.43 | 327.54 | 767.49 | 695.43 | 888.26 | 1110.97 | 69.25 | 47.29 | 9.45 | 5.93 | 26.26 | | Ton/day |
| Max | 112.40 | 2657.51 | 1864.89 | 4045.77 | 3498.82 | 4405.84 | 7081.45 | 136.82 | 79.95 | 16.59 | 12.12 | 76.55 | 7081.45 | Ton/day |
| Min | 7.96 | 12.12 | 66.52 | 172.52 | 112.40 | 172.52 | 98.22 | 24.18 | 12.12 | 5.09 | 1.77 | 2.53 | 1.77 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

## Khlong Bang Yai at Ban Ket Ho , Phuket (X.190A)

Lat 07 - 54 - 13 N Long 98 - 21 - 02 E

**Location : on left bank at Ban Ket Ho.**

**Ban** Ket Ho **Amphoe** Kathu **Changwat** Phuket

| | |
|---|---|
| **Drainge Area** | 28 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2006-Cont'd |
| **Actual Measurement** | 2006-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8805 |
| **Remarks** | Continued Sediment Station |

$$QS = 4.1479\ QW^{1.27520}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.07 | 0.00 | 0.03 | 0.78 | 1.58 | 12.20 | 45.66 | 7.86 | 3.27 | 0.71 | 0.57 | 0.43 | | |
| 2 | 0.22 | 0.00 | 0.00 | 0.00 | 6.43 | 1.98 | 27.28 | 6.43 | 2.78 | 0.67 | 0.57 | 0.43 | | |
| 3 | 0.22 | 0.00 | 0.00 | 0.01 | 1.25 | 5.51 | 41.44 | 7.25 | 2.35 | 0.67 | 0.53 | 0.43 | | |
| 4 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.71 | 27.92 | 6.60 | 2.35 | 0.64 | 0.53 | 0.43 | | |
| 5 | 0.37 | 4.04 | 0.00 | 0.00 | 0.00 | 31.97 | 30.01 | 4.68 | 2.30 | 0.64 | 0.50 | 0.43 | | |
| 6 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 9.59 | 25.94 | 33.29 | 1.33 | 0.64 | 0.50 | 0.43 | | |
| 7 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 17.56 | 45.66 | 3.12 | 0.67 | 0.47 | 0.43 | | |
| 8 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 81.27 | 16.41 | 26.57 | 27.92 | 0.71 | 0.47 | 0.43 | | |
| 9 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 47.09 | 14.44 | 18.79 | 1.46 | 0.67 | 0.47 | 0.43 | | |
| 10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 25.23 | 37.32 | 16.41 | 3.27 | 0.64 | 0.43 | 0.43 | | |
| 11 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 16.77 | 37.32 | 14.44 | 30.01 | 0.60 | 0.43 | 0.43 | | |
| 12 | 8.71 | 0.00 | 0.00 | 1.58 | 0.00 | 23.91 | 44.25 | 10.75 | 30.01 | 0.60 | 0.43 | 0.43 | | |
| 13 | 5.63 | 3.37 | 0.00 | 8.96 | 0.00 | 31.97 | 71.45 | 17.56 | 1.21 | 0.60 | 0.43 | 0.43 | | |
| 14 | 0.37 | 0.03 | 0.00 | 3.63 | 0.00 | 38.68 | 49.96 | 11.47 | 1.17 | 0.57 | 0.43 | 0.43 | | |
| 15 | 0.00 | 0.00 | 0.00 | 1.50 | 0.34 | 28.64 | 37.32 | 9.15 | 1.09 | 0.57 | 0.43 | 0.43 | | |
| 16 | 0.00 | 0.00 | 0.00 | 0.60 | 0.05 | 27.92 | 28.64 | 7.43 | 0.93 | 0.57 | 0.43 | 0.40 | | |
| 17 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 25.23 | 30.66 | 5.51 | 0.71 | 0.93 | 0.43 | 0.40 | | |
| 18 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 14.86 | 30.01 | 2.78 | 1.09 | 1.09 | 0.43 | 0.40 | | |
| 19 | 0.00 | 0.74 | 0.82 | 0.43 | 0.00 | 9.59 | 31.97 | 1.80 | 0.71 | 0.97 | 0.47 | 0.37 | | |
| 20 | 0.00 | 27.36 | 25.62 | 0.43 | 0.00 | 8.10 | 29.28 | 3.27 | 0.64 | 0.71 | 0.47 | 0.37 | | |
| 21 | 0.00 | 13.34 | 21.02 | 0.37 | 0.00 | 6.43 | 34.62 | 2.87 | 0.64 | 0.67 | 0.47 | 0.34 | | |
| 22 | 0.00 | 5.46 | 21.02 | 0.00 | 0.00 | 5.51 | 68.24 | 2.54 | 0.57 | 0.67 | 0.47 | 0.34 | | |
| 23 | 0.00 | 1.76 | 18.43 | 0.00 | 0.00 | 4.58 | 38.68 | 2.44 | 0.53 | 0.64 | 0.47 | 0.34 | | |
| 24 | 0.00 | 0.71 | 19.09 | 0.00 | 0.00 | 5.40 | 29.28 | 2.44 | 0.47 | 0.64 | 0.47 | 0.71 | | |
| 25 | 0.00 | 0.50 | 20.57 | 0.00 | 0.00 | 5.68 | 27.92 | 2.03 | 0.37 | 0.64 | 0.47 | 0.64 | | |
| 26 | 0.00 | 0.47 | 23.07 | 0.00 | 0.53 | 5.23 | 28.64 | 1.80 | 0.37 | 0.60 | 0.47 | 0.60 | | |
| 27 | 0.00 | 0.40 | 16.20 | 0.00 | 0.31 | 15.98 | 23.30 | 1.46 | 0.37 | 0.60 | 0.47 | 0.60 | | |
| 28 | 0.00 | 0.00 | 16.20 | 0.00 | 3.89 | 27.28 | 14.10 | 4.68 | 0.34 | 0.60 | 0.47 | 0.60 | | |
| 29 | 0.00 | 0.00 | 15.21 | 0.00 | 0.11 | 14.44 | 9.85 | 1.98 | 0.31 | 0.60 | | 0.57 | | |
| 30 | 0.00 | 0.00 | 4.31 | 2.63 | 9.85 | 28.64 | 5.51 | 2.87 | 0.28 | 0.60 | | 0.57 | | |
| 31 | | 0.89 | | 5.68 | 8.10 | | 11.14 | | 0.37 | 0.57 | | 0.50 | | |
| Total | 16.68 | 59.44 | 201.59 | 26.68 | 32.44 | 563.83 | 966.12 | 282.81 | 122.34 | 20.70 | 13.18 | 14.20 | 2320.01 | Tonday |
| Mean | 0.56 | 1.92 | 6.72 | 0.86 | 1.05 | 18.79 | 31.17 | 9.43 | 3.95 | 0.67 | 0.47 | 0.46 | | Ton/day |
| Max | 8.71 | 27.36 | 25.62 | 8.96 | 9.85 | 81.27 | 71.45 | 45.66 | 30.01 | 1.09 | 0.57 | 0.71 | 81.27 | Ton/day |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 5.51 | 1.46 | 0.28 | 0.57 | 0.43 | 0.34 | 0.00 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

## Khlong Bang Yai at Satree Phuket School , Phuket (X.191)

Lat 07 - 53 - 20 N Long 98 - 23 - 40 E

**Location : on left bank at Satree Phuket School.**

**Ban** - **Amphoe** Mueang **Changwat** Phuket

| | |
|---|---|
| **Drainge Area** | 54 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.DH - 59 |
| **Period of Available Records** | 2003-Cont' d |
| **Actual Measurement** | 2003-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8366 |
| **Remarks** | Continued Sediment Station |

$$QS = 9.7468\ QW^{1.58180}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.61 | 2.20 | 9.75 | 11.66 | 13.70 | 58.36 | 210.70 | 38.42 | 5.17 | 2.85 | 3.15 | 1.85 | | |
| 2 | 1.61 | 2.20 | 9.75 | 5.54 | 12.66 | 18.12 | 93.28 | 36.40 | 4.34 | 2.85 | 3.15 | 1.85 | | |
| 3 | 2.47 | 1.85 | 2.85 | 6.31 | 9.75 | 16.97 | 167.17 | 18.12 | 9.75 | 2.85 | 2.85 | 2.20 | | |
| 4 | 1.61 | 2.47 | 2.85 | 5.54 | 3.57 | 7.96 | 86.65 | 9.75 | 8.84 | 2.85 | 3.15 | 1.61 | | |
| 5 | 1.61 | 12.66 | 2.85 | 6.31 | 4.69 | 36.40 | 117.69 | 7.96 | 5.54 | 2.85 | 2.85 | 1.85 | | |
| 6 | 1.61 | 18.12 | 10.69 | 5.17 | 4.34 | 25.57 | 70.71 | 6.31 | 8.84 | 2.85 | 2.85 | 1.61 | | |
| 7 | 1.61 | 5.17 | 3.90 | 5.17 | 4.69 | 11.66 | 83.23 | 83.23 | 6.31 | 2.85 | 3.15 | 1.61 | | |
| 8 | 1.85 | 3.57 | 3.57 | 4.69 | 3.57 | 754.16 | 58.36 | 25.57 | 11.66 | 2.85 | 3.15 | 2.20 | | |
| 9 | 1.85 | 3.15 | 4.34 | 4.69 | 3.15 | 205.48 | 34.41 | 19.30 | 6.31 | 3.15 | 3.15 | 1.61 | | |
| 10 | 2.20 | 2.85 | 4.69 | 3.90 | 3.15 | 96.49 | 28.72 | 15.85 | 4.69 | 3.90 | 2.85 | 1.85 | | |
| 11 | 1.85 | 2.85 | 3.90 | 4.69 | 3.90 | 89.77 | 252.71 | 15.85 | 11.66 | 2.85 | 3.15 | 1.61 | | |
| 12 | 22.98 | 2.85 | 3.90 | 15.85 | 6.31 | 63.19 | 264.03 | 15.85 | 7.96 | 2.85 | 2.85 | 1.30 | | |
| 13 | 3.57 | 4.69 | 3.90 | 51.37 | 4.69 | 89.77 | 305.07 | 13.70 | 4.69 | 2.47 | 2.85 | 1.85 | | |
| 14 | 3.15 | 2.85 | 12.66 | 103.38 | 3.57 | 136.72 | 185.96 | 12.66 | 4.34 | 2.85 | 2.85 | 1.30 | | |
| 15 | 1.85 | 2.85 | 6.31 | 65.66 | 30.57 | 60.76 | 68.17 | 10.69 | 3.90 | 2.85 | 2.85 | 1.85 | | |
| 16 | 1.85 | 7.12 | 7.12 | 25.57 | 6.31 | 60.76 | 70.71 | 9.75 | 3.15 | 3.15 | 2.85 | 2.20 | | |
| 17 | 1.85 | 4.34 | 11.66 | 8.84 | 5.17 | 51.37 | 68.17 | 6.31 | 3.57 | 4.69 | 3.15 | 1.61 | | |
| 18 | 1.85 | 5.17 | 10.69 | 15.85 | 5.17 | 38.42 | 60.76 | 6.31 | 3.15 | 3.90 | 2.85 | 1.85 | | |
| 19 | 1.85 | 3.90 | 24.26 | 12.66 | 4.69 | 30.57 | 80.20 | 4.34 | 3.90 | 3.15 | 3.57 | 1.30 | | |
| 20 | 1.61 | 220.82 | 153.78 | 13.70 | 4.34 | 38.42 | 53.67 | 4.34 | 3.57 | 2.85 | 4.34 | 1.85 | | |
| 21 | 1.61 | 117.69 | 144.95 | 11.66 | 3.90 | 38.42 | 40.48 | 3.90 | 3.57 | 3.90 | 4.34 | 1.61 | | |
| 22 | 2.20 | 34.41 | 129.06 | 4.69 | 4.34 | 20.50 | 200.76 | 3.57 | 3.15 | 3.15 | 5.54 | 6.31 | | |
| 23 | 1.85 | 4.34 | 107.08 | 7.12 | 4.69 | 16.97 | 80.20 | 4.69 | 3.57 | 3.57 | 6.31 | 2.85 | | |
| 24 | 1.85 | 3.90 | 83.23 | 4.34 | 4.34 | 16.97 | 65.66 | 4.34 | 2.85 | 3.15 | 6.31 | 5.54 | | |
| 25 | 2.20 | 6.31 | 125.09 | 4.34 | 3.90 | 19.30 | 51.37 | 3.90 | 2.85 | 3.15 | 7.12 | 3.90 | | |
| 26 | 3.15 | 11.66 | 176.48 | 4.34 | 6.31 | 26.90 | 44.72 | 3.90 | 3.15 | 3.15 | 5.17 | 2.20 | | |
| 27 | 2.85 | 7.12 | 49.12 | 3.15 | 5.17 | 86.65 | 36.40 | 3.90 | 3.15 | 2.85 | 5.54 | 3.15 | | |
| 28 | 2.20 | 5.17 | 28.72 | 4.69 | 11.66 | 68.17 | 25.57 | 5.17 | 3.57 | 2.85 | 5.54 | 3.15 | | |
| 29 | 2.85 | 4.34 | 8.84 | 4.34 | 19.30 | 46.90 | 15.85 | 3.90 | 3.57 | 3.57 | | 2.47 | | |
| 30 | 2.85 | 4.34 | 5.54 | 51.37 | 144.95 | 416.59 | 20.50 | 3.57 | 3.57 | 2.85 | | 2.47 | | |
| 31 | | 26.90 | | 55.99 | 63.19 | | 16.97 | | 3.15 | 2.85 | | 2.20 | | |
| Total | 84.05 | 537.86 | 1151.53 | 532.58 | 409.74 | 2648.29 | 2958.85 | 401.55 | 157.49 | 96.50 | 107.48 | 70.81 | 9156.73 | Tonday |
| Mean | 2.80 | 17.35 | 38.38 | 17.18 | 13.22 | 88.28 | 95.45 | 13.38 | 5.08 | 3.11 | 3.84 | 2.28 | | Ton/day |
| Max | 22.98 | 220.82 | 176.48 | 103.38 | 144.95 | 754.16 | 305.07 | 83.23 | 11.66 | 4.69 | 7.12 | 6.31 | 754.16 | Ton/day |
| Min | 1.61 | 1.85 | 2.85 | 3.15 | 3.15 | 7.96 | 15.85 | 3.57 | 2.85 | 2.47 | 2.85 | 1.30 | 1.30 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Had Sompan at Ban Hat Sompan, Ranong (X.204)

Lat 09 - 56 - 57 N Long 98 - 41 - 46 E

**Location : on left bank at Ban Hat Sompan.**

**Ban** Had Sompan **Amphoe** Mueang **Changwat** Ranong

| | |
|---|---|
| **Drainge Area** | 23 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2003-Cont' d |
| **Actual Measurement** | 2003-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8520 |
| **Remarks** | Continued Sediment Station |

$$QS = 15.4780\ QW^{1.46810}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42.82 | 75.76 | 71.65 | 118.47 | 495.41 | 100.66 | 3449.07 | 14.36 | 2.02 | 2.02 | 5.59 | 3.31 | | |
| 2 | 75.76 | 79.56 | 67.98 | 513.35 | 477.67 | 104.82 | 343.51 | 14.36 | 2.02 | 2.02 | 4.03 | 42.82 | | |
| 3 | 53.25 | 75.76 | 87.73 | 425.72 | 425.72 | 87.73 | 408.83 | 14.36 | 2.02 | 2.02 | 4.03 | 2.02 | | |
| 4 | 67.98 | 217.48 | 71.65 | 271.10 | 1717.31 | 83.81 | 606.05 | 14.36 | 2.02 | 2.02 | 4.79 | 0.00 | | |
| 5 | 71.65 | 1295.34 | 75.76 | 259.85 | 795.88 | 83.81 | 1340.33 | 14.36 | 2.02 | 2.02 | 4.79 | 0.00 | | |
| 6 | 67.98 | 1295.34 | 104.82 | 207.52 | 568.38 | 75.76 | 477.67 | 14.36 | 2.02 | 2.02 | 4.79 | 0.00 | | |
| 7 | 67.98 | 1340.33 | 100.66 | 177.58 | 1195.92 | 71.65 | 316.38 | 11.15 | 2.02 | 4.79 | 4.79 | 0.00 | | |
| 8 | 53.25 | 118.47 | 92.11 | 158.63 | 568.38 | 75.76 | 217.48 | 12.83 | 3.31 | 177.58 | 4.79 | 0.00 | | |
| 9 | 75.76 | 113.72 | 92.11 | 168.26 | 913.40 | 75.76 | 197.21 | 16.16 | 3.31 | 343.51 | 5.59 | 0.00 | | |
| 10 | 53.25 | 118.47 | 92.11 | 168.26 | 531.50 | 67.98 | 1916.64 | 16.16 | 3.31 | 327.75 | 5.59 | 0.00 | | |
| 11 | 42.82 | 118.47 | 168.26 | 375.72 | 408.83 | 53.25 | 375.72 | 16.16 | 3.31 | 327.75 | 5.59 | 0.00 | | |
| 12 | 46.32 | 113.72 | 113.72 | 359.50 | 375.72 | 49.58 | 271.10 | 16.16 | 4.03 | 327.75 | 5.59 | 0.00 | | |
| 13 | 36.09 | 281.92 | 104.82 | 304.56 | 359.50 | 83.81 | 259.85 | 12.83 | 3.31 | 327.75 | 5.59 | 0.00 | | |
| 14 | 60.47 | 118.47 | 109.45 | 1131.06 | 2228.40 | 131.74 | 259.85 | 5.59 | 2.02 | 304.56 | 5.59 | 0.00 | | |
| 15 | 38.19 | 75.76 | 140.37 | 683.64 | 3532.18 | 271.10 | 217.48 | 5.59 | 2.02 | 293.46 | 5.59 | 0.00 | | |
| 16 | 21.48 | 92.11 | 113.72 | 913.40 | 3615.93 | 259.85 | 238.36 | 4.79 | 33.73 | 281.92 | 5.59 | 0.00 | | |
| 17 | 19.74 | 217.48 | 149.65 | 549.84 | 1131.06 | 118.47 | 238.36 | 3.31 | 5.59 | 281.92 | 21.48 | 0.00 | | |
| 18 | 25.37 | 974.07 | 168.26 | 408.83 | 549.84 | 104.82 | 64.01 | 3.31 | 2.64 | 281.92 | 4.03 | 0.00 | | |
| 19 | 38.19 | 1163.35 | 177.58 | 392.16 | 663.97 | 87.73 | 56.65 | 3.31 | 2.02 | 293.46 | 8.22 | 0.00 | | |
| 20 | 31.71 | 974.07 | 177.58 | 304.56 | 271.10 | 67.98 | 46.32 | 2.64 | 2.02 | 375.72 | 4.03 | 0.00 | | |
| 21 | 36.09 | 663.97 | 158.63 | 281.92 | 207.52 | 71.65 | 46.32 | 2.02 | 2.02 | 375.72 | 4.03 | 0.53 | | |
| 22 | 56.65 | 408.83 | 158.63 | 259.85 | 168.26 | 67.98 | 31.71 | 2.02 | 2.02 | 392.16 | 2.64 | 0.53 | | |
| 23 | 29.45 | 327.75 | 140.37 | 249.31 | 113.72 | 79.56 | 29.45 | 3.31 | 2.02 | 392.16 | 2.02 | 0.96 | | |
| 24 | 23.53 | 408.83 | 122.84 | 281.92 | 113.72 | 96.16 | 29.45 | 4.03 | 2.02 | 392.16 | 2.02 | 1.46 | | |
| 25 | 79.56 | 271.10 | 109.45 | 259.85 | 149.65 | 187.57 | 29.45 | 2.02 | 2.02 | 392.16 | 2.02 | 0.19 | | |
| 26 | 46.32 | 177.58 | 327.75 | 238.36 | 168.26 | 883.54 | 29.45 | 2.02 | 2.02 | 408.83 | 3.31 | 0.00 | | |
| 27 | 33.73 | 149.65 | 140.37 | 259.85 | 100.66 | 1340.33 | 29.45 | 2.02 | 2.02 | 408.83 | 3.31 | 0.00 | | |
| 28 | 33.73 | 122.84 | 122.84 | 217.48 | 100.66 | 824.77 | 23.53 | 2.02 | 2.02 | 408.83 | 2.64 | 0.00 | | |
| 29 | 36.09 | 100.66 | 104.82 | 217.48 | 92.11 | 549.84 | 21.48 | 2.02 | 2.02 | 408.83 | | 0.00 | | |
| 30 | 31.71 | 92.11 | 100.66 | 4355.84 | 96.16 | 228.11 | 17.80 | 2.02 | 2.02 | 408.83 | | 0.53 | | |
| 31 | | 79.56 | | 513.35 | 304.56 | | 14.36 | | 2.02 | 408.83 | | 1.46 | | |
| Total | 1396.92 | 11662.53 | 3766.35 | 15027.22 | 22441.38 | 6385.58 | 11603.32 | 239.65 | 106.98 | 8359.30 | 142.07 | 53.81 | 81185.11 | Tonday |
| Mean | 46.56 | 376.21 | 125.55 | 484.75 | 723.92 | 212.85 | 374.30 | 7.99 | 3.45 | 269.65 | 5.07 | 1.74 | | Ton/day |
| Max | 79.56 | 1340.33 | 327.75 | 4355.84 | 3615.93 | 1340.33 | 3449.07 | 16.16 | 33.73 | 408.83 | 21.48 | 42.82 | 4355.84 | Ton/day |
| Min | 19.74 | 75.76 | 67.98 | 118.47 | 92.11 | 49.58 | 14.36 | 2.02 | 2.02 | 2.02 | 2.02 | 0.00 | 0.00 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong La - Un at Ban La - Un Tai, Ranong (X.205)

Lat 10 - 06 - 33 N Long 98 - 45 - 46 E

**Location : on left bank at Ban La - Un.**

**Ban** La - Un Tai **Amphoe** La - Un **Changwat** Ranong

| | |
|---|---|
| **Drainge Area** | 229 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2004-Cont' d |
| **Actual Measurement** | 2004-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8224 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.9822\ QW^{1.21800}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 46.34 | 90.55 | 292.05 | 276.44 | 288.19 | 70.30 | 204.74 | 268.69 | 32.11 | 57.16 | 18.95 | 5.74 | | |
| 2 | 42.98 | 90.55 | 191.08 | 528.62 | 135.97 | 70.30 | 296.04 | 153.96 | 19.92 | 57.16 | 19.92 | 5.74 | | |
| 3 | 46.34 | 90.55 | 181.72 | 512.38 | 141.92 | 70.30 | 292.05 | 25.89 | 57.16 | 150.98 | 15.18 | 5.74 | | |
| 4 | 97.30 | 90.55 | 163.15 | 264.88 | 1163.05 | 70.30 | 651.26 | 25.89 | 44.09 | 118.21 | 23.87 | 5.74 | | |
| 5 | 31.06 | 34.24 | 184.80 | 201.31 | 664.09 | 70.30 | 1208.35 | 25.89 | 24.87 | 115.81 | 16.11 | 5.74 | | |
| 6 | 33.17 | 25.89 | 197.89 | 88.27 | 507.06 | 70.30 | 976.98 | 315.76 | 24.87 | 48.15 | 15.18 | 5.74 | | |
| 7 | 37.47 | 7.33 | 208.19 | 77.99 | 1050.44 | 115.81 | 582.85 | 292.05 | 22.87 | 125.28 | 15.18 | 62.75 | | |
| 8 | 26.91 | 3.17 | 194.48 | 236.08 | 3133.39 | 133.05 | 172.34 | 284.23 | 35.31 | 133.05 | 13.35 | 55.37 | | |
| 9 | 32.11 | 36.39 | 77.99 | 88.27 | 2770.18 | 135.97 | 163.15 | 243.14 | 35.31 | 55.37 | 15.18 | 24.87 | | |
| 10 | 40.76 | 77.99 | 97.30 | 115.81 | 899.63 | 144.96 | 710.18 | 77.99 | 36.39 | 3.50 | 14.26 | 3.50 | | |
| 11 | 38.56 | 0.66 | 79.90 | 141.92 | 819.29 | 70.30 | 620.00 | 92.76 | 27.94 | 11.57 | 4.62 | 3.50 | | |
| 12 | 8.98 | 41.86 | 86.08 | 236.08 | 826.59 | 95.07 | 490.94 | 72.17 | 35.31 | 13.35 | 4.62 | 3.50 | | |
| 13 | 163.15 | 101.87 | 108.85 | 115.81 | 311.84 | 51.74 | 985.04 | 76.01 | 30.01 | 12.45 | 4.97 | 3.50 | | |
| 14 | 175.49 | 184.80 | 86.08 | 517.82 | 512.38 | 45.21 | 280.38 | 92.76 | 27.94 | 14.26 | 4.97 | 3.50 | | |
| 15 | 153.96 | 90.55 | 101.87 | 607.57 | 3051.99 | 45.21 | 276.44 | 74.13 | 27.94 | 12.45 | 4.97 | 3.50 | | |
| 16 | 229.04 | 115.81 | 99.63 | 877.54 | 3065.53 | 39.66 | 108.85 | 79.90 | 27.94 | 14.26 | 4.97 | 3.50 | | |
| 17 | 218.57 | 53.51 | 76.01 | 657.55 | 906.92 | 46.34 | 90.55 | 108.85 | 44.09 | 14.26 | 4.97 | 31.06 | | |
| 18 | 236.08 | 576.70 | 95.07 | 272.61 | 570.56 | 38.56 | 120.53 | 239.61 | 57.16 | 13.35 | 27.94 | 45.21 | | |
| 19 | 150.98 | 929.14 | 51.74 | 86.08 | 533.98 | 41.86 | 197.89 | 225.54 | 57.16 | 14.26 | 21.88 | 64.58 | | |
| 20 | 60.85 | 884.93 | 74.13 | 135.97 | 280.38 | 111.13 | 175.49 | 208.19 | 57.16 | 17.05 | 16.11 | 74.13 | | |
| 21 | 101.87 | 613.78 | 41.86 | 166.18 | 197.89 | 144.96 | 194.48 | 225.54 | 104.22 | 12.45 | 60.85 | 49.90 | | |
| 22 | 77.99 | 507.06 | 76.01 | 280.38 | 201.31 | 118.21 | 157.05 | 99.63 | 113.51 | 13.35 | 101.87 | 66.51 | | |
| 23 | 34.24 | 250.25 | 92.76 | 144.96 | 138.98 | 95.07 | 115.81 | 120.53 | 108.85 | 10.69 | 16.11 | 144.96 | | |
| 24 | 34.24 | 387.66 | 74.13 | 127.71 | 90.55 | 76.01 | 141.92 | 125.28 | 79.90 | 13.35 | 5.74 | 72.17 | | |
| 25 | 79.90 | 307.82 | 76.01 | 130.06 | 99.63 | 68.36 | 90.55 | 201.31 | 104.22 | 12.45 | 5.74 | 57.16 | | |
| 26 | 68.36 | 280.38 | 97.30 | 111.13 | 97.30 | 253.82 | 81.89 | 106.48 | 79.90 | 14.26 | 4.97 | 57.16 | | |
| 27 | 74.13 | 315.76 | 72.17 | 141.92 | 72.17 | 257.39 | 76.01 | 51.74 | 122.94 | 14.26 | 5.38 | 57.16 | | |
| 28 | 74.13 | 111.13 | 62.75 | 178.55 | 62.75 | 157.05 | 81.89 | 53.51 | 115.81 | 15.18 | 6.53 | 57.16 | | |
| 29 | 36.39 | 33.17 | 59.04 | 528.62 | 35.31 | 175.49 | 55.37 | 48.15 | 108.85 | 13.35 | | 57.16 | | |
| 30 | 36.39 | 25.89 | 36.39 | 1445.61 | 36.39 | 204.74 | 57.16 | 55.37 | 101.87 | 15.18 | | 57.16 | | |
| 31 | | 8.15 | | 453.88 | 83.81 | | 64.58 | | 76.01 | 13.35 | | 26.91 | | |
| Total | 2487.74 | 6368.09 | 3336.43 | 9748.00 | 22749.47 | 3087.77 | 9720.76 | 4070.95 | 1841.63 | 1149.80 | 474.39 | 1120.32 | 66155.35 | Tonday |
| Mean | 82.92 | 205.42 | 111.21 | 314.45 | 733.85 | 102.93 | 313.57 | 135.70 | 59.41 | 37.09 | 16.94 | 36.14 | | Ton/day |
| Max | 236.08 | 929.14 | 292.05 | 1445.61 | 3133.39 | 257.39 | 1208.35 | 315.76 | 122.94 | 150.98 | 101.87 | 144.96 | 3133.39 | Ton/day |
| Min | 8.98 | 0.66 | 36.39 | 77.99 | 35.31 | 38.56 | 55.37 | 25.89 | 19.92 | 3.50 | 4.62 | 3.50 | 0.66 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

## Khlong Bang Rin at Ban Bang Rin, Ranong (X.206)

Lat 09 - 54 - 54 N Long 98 - 37 - 59 E

**Location : on right bank at the bridge.**

**Ban** Bang Rin **Amphoe** Mueang **Changwat** Ranong

| | |
|---|---|
| **Drainge Area** | 95 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont' d |
| **Actual Measurement** | 2005-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9274 |
| **Remarks** | Continued Sediment Station |

$$QS = 5.7595\ QW^{1.19550}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 71.26 | 61.00 | 66.10 | 130.71 | 225.46 | 89.80 | 1066.95 | 71.26 | 32.02 | 32.02 | 26.63 | 30.21 | | |
| 2 | 71.26 | 58.48 | 61.00 | 261.91 | 189.95 | 113.46 | 783.24 | 71.26 | 32.02 | 32.02 | 26.63 | 30.21 | | |
| 3 | 71.26 | 55.97 | 58.48 | 210.12 | 180.00 | 109.22 | 809.45 | 71.26 | 32.02 | 32.02 | 26.63 | 30.21 | | |
| 4 | 71.26 | 48.56 | 55.97 | 148.33 | 322.61 | 76.49 | 1066.95 | 71.26 | 32.02 | 32.02 | 26.63 | 30.21 | | |
| 5 | 71.26 | 55.97 | 58.48 | 117.74 | 130.71 | 37.57 | 1756.02 | 71.26 | 32.02 | 32.02 | 26.63 | 30.21 | | |
| 6 | 71.26 | 68.67 | 143.89 | 100.80 | 126.36 | 100.80 | 809.45 | 68.67 | 32.02 | 32.02 | 26.63 | 30.21 | | |
| 7 | 71.26 | 51.01 | 96.64 | 89.80 | 296.20 | 105.00 | 362.90 | 66.10 | 35.70 | 32.02 | 26.63 | 28.41 | | |
| 8 | 71.26 | 68.67 | 55.97 | 84.43 | 240.97 | 105.00 | 175.41 | 66.10 | 35.70 | 32.02 | 26.63 | 28.41 | | |
| 9 | 71.26 | 66.10 | 73.87 | 81.77 | 403.94 | 105.00 | 175.41 | 66.10 | 35.70 | 32.02 | 26.63 | 28.41 | | |
| 10 | 71.26 | 87.11 | 76.49 | 109.22 | 205.05 | 105.00 | 342.66 | 66.10 | 35.70 | 32.02 | 26.63 | 28.41 | | |
| 11 | 92.51 | 71.26 | 84.43 | 283.13 | 130.71 | 109.22 | 289.65 | 66.10 | 35.70 | 32.02 | 26.63 | 28.41 | | |
| 12 | 92.51 | 61.00 | 71.26 | 161.78 | 189.95 | 109.22 | 225.46 | 66.10 | 35.70 | 28.41 | 26.63 | 28.41 | | |
| 13 | 89.80 | 55.97 | 87.11 | 362.90 | 170.85 | 117.74 | 170.85 | 66.10 | 33.86 | 28.41 | 26.63 | 28.41 | | |
| 14 | 79.12 | 53.48 | 105.00 | 908.87 | 444.97 | 135.08 | 166.30 | 66.10 | 33.86 | 28.41 | 26.63 | 28.41 | | |
| 15 | 76.49 | 51.01 | 96.64 | 342.66 | 1285.27 | 139.47 | 161.78 | 66.10 | 33.86 | 28.41 | 26.63 | 28.41 | | |
| 16 | 76.49 | 41.34 | 87.11 | 444.97 | 1356.28 | 135.08 | 170.85 | 66.10 | 35.70 | 28.41 | 26.63 | 28.41 | | |
| 17 | 76.49 | 267.19 | 100.80 | 309.36 | 349.39 | 117.74 | 166.30 | 66.10 | 37.57 | 28.41 | 26.63 | 28.41 | | |
| 18 | 76.49 | 417.78 | 89.80 | 215.22 | 289.65 | 117.74 | 157.27 | 63.54 | 35.70 | 28.41 | 26.63 | 28.41 | | |
| 19 | 76.49 | 654.40 | 109.22 | 189.95 | 603.97 | 89.80 | 143.89 | 55.97 | 35.70 | 26.63 | 26.63 | 28.41 | | |
| 20 | 76.49 | 481.66 | 87.11 | 175.41 | 194.96 | 81.77 | 126.36 | 48.56 | 35.70 | 26.63 | 26.63 | 28.41 | | |
| 21 | 79.12 | 403.94 | 100.80 | 143.89 | 194.96 | 81.77 | 122.03 | 46.14 | 35.70 | 24.88 | 26.63 | 28.41 | | |
| 22 | 81.77 | 200.00 | 81.77 | 126.36 | 130.71 | 79.12 | 117.74 | 46.14 | 35.70 | 28.41 | 26.63 | 28.41 | | |
| 23 | 81.77 | 175.41 | 79.12 | 117.74 | 109.22 | 81.77 | 117.74 | 46.14 | 33.86 | 28.41 | 26.63 | 28.41 | | |
| 24 | 96.64 | 205.05 | 76.49 | 161.78 | 87.11 | 79.12 | 105.00 | 39.45 | 33.86 | 28.41 | 26.63 | 28.41 | | |
| 25 | 96.64 | 152.79 | 79.12 | 113.46 | 122.03 | 96.64 | 87.11 | 35.70 | 33.86 | 28.41 | 26.63 | 26.63 | | |
| 26 | 81.77 | 92.51 | 100.80 | 100.80 | 126.36 | 1035.00 | 87.11 | 32.02 | 33.86 | 28.41 | 26.63 | 26.63 | | |
| 27 | 71.26 | 89.80 | 73.87 | 117.74 | 122.03 | 822.61 | 81.77 | 32.02 | 32.02 | 28.41 | 26.63 | 26.63 | | |
| 28 | 71.26 | 79.12 | 71.26 | 109.22 | 126.36 | 383.33 | 79.12 | 32.02 | 32.02 | 28.41 | 24.88 | 26.63 | | |
| 29 | 71.26 | 71.26 | 73.87 | 87.11 | 96.64 | 235.78 | 76.49 | 32.02 | 32.02 | 28.41 | | 26.63 | | |
| 30 | 68.67 | 71.26 | 66.10 | 1635.65 | 117.74 | 230.61 | 73.87 | 32.02 | 32.02 | 26.63 | | 26.63 | | |
| 31 | | 66.10 | | 215.22 | 130.71 | | 71.26 | | 32.02 | 26.63 | | 26.63 | | |
| Total | 2325.64 | 4383.87 | 2468.57 | 7658.05 | 8701.12 | 5225.95 | 10146.39 | 1693.81 | 1055.21 | 909.77 | 743.89 | 879.05 | 46191.32 | Tonday |
| Mean | 77.52 | 141.42 | 82.29 | 247.03 | 280.68 | 174.20 | 327.30 | 56.46 | 34.04 | 29.35 | 26.57 | 28.36 | | Ton/day |
| Max | 96.64 | 654.40 | 143.89 | 1635.65 | 1356.28 | 1035.00 | 1756.02 | 71.26 | 37.57 | 32.02 | 26.63 | 30.21 | 1756.02 | Ton/day |
| Min | 68.67 | 41.34 | 55.97 | 81.77 | 87.11 | 37.57 | 71.26 | 32.02 | 32.02 | 24.88 | 24.88 | 26.63 | 24.88 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Kapoe at Ban Chieo Liang, Ranong (X.208)

Lat 09 - 34 - 20 N Long 98 - 40 - 05 E

**Location : on right bank at Ban Chieo Liang**

**Ban** Chieo Liang **Amphoe** Kapoe **Changwat** Ranong

| | |
|---|---|
| **Drainge Area** | 168 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2003-Cont' d |
| **Actual Measurement** | 2003-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8947 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.3838\ QW^{1.31620}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.62 | 7.20 | 21.37 | 15.93 | 98.26 | 53.20 | 224.67 | 17.92 | 15.93 | 8.86 | 6.79 | 5.62 | | |
| 2 | 4.87 | 6.40 | 20.67 | 23.50 | 73.72 | 50.16 | 524.28 | 17.25 | 15.28 | 9.29 | 6.79 | 6.79 | | |
| 3 | 4.50 | 6.00 | 19.28 | 34.25 | 62.12 | 41.30 | 340.79 | 18.60 | 15.28 | 9.73 | 6.79 | 6.40 | | |
| 4 | 5.24 | 5.62 | 17.92 | 39.87 | 76.10 | 37.03 | 593.57 | 17.92 | 14.63 | 9.29 | 6.79 | 6.00 | | |
| 5 | 5.62 | 5.62 | 19.97 | 24.95 | 45.68 | 31.52 | 466.32 | 17.25 | 14.63 | 9.29 | 6.40 | 5.24 | | |
| 6 | 5.24 | 6.40 | 22.78 | 23.50 | 38.44 | 24.95 | 346.61 | 15.93 | 13.99 | 11.51 | 6.40 | 4.87 | | |
| 7 | 4.87 | 8.86 | 17.92 | 22.78 | 411.11 | 24.22 | 216.05 | 15.28 | 13.99 | 11.06 | 6.40 | 4.50 | | |
| 8 | 4.87 | 8.02 | 16.59 | 21.37 | 256.42 | 23.50 | 155.83 | 14.63 | 13.99 | 10.61 | 6.40 | 4.14 | | |
| 9 | 6.40 | 15.28 | 15.93 | 26.23 | 295.07 | 22.07 | 152.44 | 13.99 | 14.63 | 10.17 | 6.00 | 4.14 | | |
| 10 | 6.79 | 14.63 | 14.63 | 35.64 | 199.05 | 21.37 | 203.27 | 15.93 | 14.63 | 10.17 | 6.00 | 3.79 | | |
| 11 | 9.29 | 15.93 | 13.99 | 42.75 | 93.22 | 21.37 | 162.66 | 12.74 | 14.63 | 9.73 | 6.00 | 3.79 | | |
| 12 | 12.74 | 11.51 | 13.36 | 272.82 | 106.97 | 19.28 | 278.35 | 13.36 | 14.63 | 9.29 | 6.00 | 3.45 | | |
| 13 | 11.06 | 15.93 | 13.36 | 100.80 | 76.10 | 28.85 | 278.35 | 12.74 | 13.36 | 9.29 | 6.00 | 3.45 | | |
| 14 | 8.86 | 15.93 | 15.28 | 100.80 | 411.11 | 38.44 | 129.22 | 12.12 | 12.12 | 9.29 | 5.62 | 3.45 | | |
| 15 | 8.44 | 14.63 | 13.99 | 289.47 | 683.39 | 35.64 | 95.73 | 13.36 | 11.51 | 9.29 | 5.62 | 3.45 | | |
| 16 | 6.79 | 14.63 | 17.25 | 186.53 | 941.71 | 31.52 | 73.72 | 12.74 | 11.51 | 8.86 | 5.62 | 5.62 | | |
| 17 | 6.00 | 15.93 | 20.67 | 174.21 | 829.06 | 28.85 | 64.41 | 12.12 | 11.06 | 8.86 | 5.24 | 4.87 | | |
| 18 | 6.40 | 593.57 | 20.67 | 106.97 | 267.33 | 37.03 | 53.20 | 12.12 | 11.51 | 8.86 | 5.24 | 3.79 | | |
| 19 | 6.79 | 424.76 | 18.60 | 57.62 | 237.75 | 19.97 | 45.68 | 11.51 | 11.51 | 8.86 | 5.24 | 3.45 | | |
| 20 | 6.79 | 364.22 | 22.07 | 53.20 | 122.76 | 17.25 | 41.30 | 11.51 | 11.51 | 8.44 | 5.24 | 8.86 | | |
| 21 | 7.61 | 155.83 | 26.23 | 42.75 | 88.24 | 16.59 | 37.03 | 14.63 | 11.06 | 8.02 | 4.87 | 13.36 | | |
| 22 | 7.20 | 125.98 | 28.85 | 38.44 | 76.10 | 16.59 | 32.88 | 14.63 | 11.06 | 7.61 | 4.87 | 11.51 | | |
| 23 | 7.20 | 119.56 | 24.95 | 38.44 | 57.62 | 17.92 | 27.53 | 14.63 | 11.06 | 7.20 | 4.87 | 8.44 | | |
| 24 | 7.20 | 85.78 | 22.78 | 38.44 | 41.30 | 17.25 | 45.68 | 14.63 | 10.17 | 7.20 | 4.87 | 5.24 | | |
| 25 | 9.29 | 53.20 | 21.37 | 37.03 | 32.88 | 45.68 | 53.20 | 13.99 | 9.73 | 6.79 | 4.87 | 7.20 | | |
| 26 | 15.28 | 37.03 | 21.37 | 27.53 | 44.21 | 764.50 | 24.22 | 12.74 | 9.73 | 6.79 | 4.87 | 7.20 | | |
| 27 | 10.17 | 32.88 | 19.97 | 31.52 | 110.08 | 289.47 | 23.50 | 11.51 | 8.86 | 6.79 | 4.87 | 7.20 | | |
| 28 | 8.86 | 32.88 | 17.92 | 38.44 | 76.10 | 152.44 | 24.22 | 10.61 | 8.86 | 6.79 | 4.50 | 5.62 | | |
| 29 | 8.44 | 24.95 | 15.93 | 37.03 | 69.03 | 71.37 | 20.67 | 10.17 | 8.86 | 6.79 | | 5.24 | | |
| 30 | 8.02 | 24.22 | 15.28 | 411.11 | 64.41 | 142.37 | 19.28 | 9.73 | 8.86 | 6.79 | | 5.24 | | |
| 31 | | 22.07 | | 66.71 | 53.20 | | 18.60 | | 8.86 | 6.79 | | 5.24 | | |
| Total | 226.45 | 2285.45 | 570.95 | 2460.63 | 6038.54 | 2141.70 | 4773.26 | 416.29 | 377.44 | 268.31 | 159.17 | 177.16 | 19895.35 | Tonday |
| Mean | 7.55 | 73.72 | 19.03 | 79.38 | 194.79 | 71.39 | 153.98 | 13.88 | 12.18 | 8.66 | 5.68 | 5.71 | | Ton/day |
| Max | 15.28 | 593.57 | 28.85 | 411.11 | 941.71 | 764.50 | 593.57 | 18.60 | 15.93 | 11.51 | 6.79 | 13.36 | 941.71 | Ton/day |
| Min | 4.50 | 5.62 | 13.36 | 15.93 | 32.88 | 16.59 | 18.60 | 9.73 | 8.86 | 6.79 | 4.50 | 3.45 | 3.45 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

## Lower Trang River at Ban Pa Mak , Trang (X.234)

Lat 07 - 35 - 21 N Long 99 - 34 - 39 E

**Location : on left bank at Ban Pa Mak.**

**Ban** Pa Mak **Amphoe** Mueang **Changwat** Trang

| | |
|---|---|
| **Drainge Area** | 2,808 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont' d |
| **Actual Measurement** | 2005-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.7850 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.8587\ QW^{1.42300}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 206.95 | 302.28 | 628.22 | 1753.58 | 401.51 | 217.00 | 928.09 | 206.95 | 149.46 | 92.00 | 86.89 | 53.74 | | |
| 2 | 189.70 | 222.08 | 466.81 | 1221.47 | 365.54 | 219.54 | 1099.62 | 224.63 | 143.54 | 90.28 | 97.19 | 64.26 | | |
| 3 | 159.46 | 182.45 | 383.40 | 802.14 | 353.78 | 184.85 | 1200.90 | 242.74 | 151.44 | 102.46 | 100.69 | 81.87 | | |
| 4 | 130.03 | 157.45 | 342.13 | 581.03 | 319.18 | 161.49 | 1173.63 | 258.60 | 157.45 | 111.43 | 100.69 | 90.28 | | |
| 5 | 115.08 | 155.44 | 324.87 | 495.67 | 280.19 | 172.91 | 1166.84 | 293.94 | 159.46 | 120.62 | 102.46 | 90.28 | | |
| 6 | 137.70 | 139.64 | 316.34 | 495.67 | 280.19 | 232.34 | 1153.30 | 272.03 | 161.49 | 126.24 | 102.46 | 86.89 | | |
| 7 | 149.46 | 130.03 | 282.92 | 484.79 | 282.92 | 288.41 | 1119.66 | 245.37 | 163.52 | 128.13 | 92.00 | 85.21 | | |
| 8 | 128.13 | 165.85 | 269.33 | 502.97 | 293.94 | 316.34 | 1076.12 | 247.99 | 159.46 | 124.36 | 78.58 | 78.58 | | |
| 9 | 116.92 | 227.20 | 277.46 | 522.58 | 299.49 | 477.57 | 896.09 | 227.20 | 147.48 | 126.24 | 73.71 | 68.94 | | |
| 10 | 124.36 | 277.46 | 330.59 | 559.94 | 293.94 | 598.06 | 645.64 | 206.95 | 131.94 | 120.62 | 59.69 | 59.69 | | |
| 11 | 161.49 | 296.71 | 371.47 | 922.74 | 282.92 | 473.98 | 581.03 | 177.66 | 115.08 | 120.62 | 46.58 | 42.43 | | |
| 12 | 302.28 | 280.19 | 398.48 | 1448.87 | 272.03 | 342.13 | 598.06 | 163.52 | 106.02 | 116.92 | 29.48 | 28.26 | | |
| 13 | 499.32 | 339.23 | 330.59 | 2180.97 | 293.94 | 285.66 | 510.30 | 172.91 | 102.46 | 118.77 | 28.26 | 17.00 | | |
| 14 | 641.27 | 313.52 | 327.73 | 3320.74 | 324.87 | 296.71 | 429.14 | 234.93 | 102.46 | 109.62 | 41.07 | 19.11 | | |
| 15 | 572.56 | 272.03 | 359.65 | 3721.97 | 291.17 | 291.17 | 383.40 | 272.03 | 97.19 | 100.69 | 65.81 | 34.49 | | |
| 16 | 432.24 | 269.33 | 377.42 | 3763.28 | 371.47 | 322.02 | 356.71 | 245.37 | 104.24 | 106.02 | 78.58 | 47.99 | | |
| 17 | 336.35 | 261.27 | 356.71 | 3578.47 | 589.52 | 374.44 | 371.47 | 250.63 | 106.02 | 109.62 | 98.94 | 76.95 | | |
| 18 | 269.33 | 322.02 | 377.42 | 3320.74 | 495.67 | 368.50 | 456.12 | 392.43 | 122.49 | 124.36 | 111.43 | 104.24 | | |
| 19 | 219.54 | 593.79 | 435.35 | 2971.94 | 463.24 | 342.13 | 484.79 | 530.82 | 133.85 | 139.64 | 126.24 | 128.13 | | |
| 20 | 201.97 | 928.09 | 896.09 | 2595.12 | 602.34 | 299.49 | 456.12 | 568.35 | 151.44 | 153.44 | 124.36 | 124.36 | | |
| 21 | 197.04 | 1265.59 | 1402.36 | 2269.45 | 641.27 | 288.41 | 473.98 | 502.97 | 141.59 | 159.46 | 120.62 | 128.13 | | |
| 22 | 161.49 | 1555.70 | 1785.46 | 1892.95 | 481.18 | 280.19 | 543.24 | 401.51 | 137.70 | 157.45 | 102.46 | 120.62 | | |
| 23 | 153.44 | 1925.56 | 2147.12 | 1535.29 | 322.02 | 258.60 | 589.52 | 339.23 | 133.85 | 151.44 | 88.58 | 98.94 | | |
| 24 | 168.19 | 2206.14 | 2206.14 | 1180.43 | 274.74 | 277.46 | 514.38 | 293.94 | 130.03 | 141.59 | 65.81 | 90.28 | | |
| 25 | 201.97 | 2384.73 | 2013.32 | 827.93 | 258.60 | 342.13 | 429.14 | 263.94 | 124.36 | 126.24 | 45.18 | 76.95 | | |
| 26 | 242.74 | 2384.73 | 1860.51 | 602.34 | 266.63 | 327.73 | 410.66 | 232.34 | 118.77 | 100.69 | 21.30 | 59.69 | | |
| 27 | 327.73 | 2282.17 | 1860.51 | 514.38 | 305.08 | 330.59 | 383.40 | 187.27 | 102.46 | 76.95 | 29.48 | 47.99 | | |
| 28 | 492.04 | 2079.90 | 1991.27 | 534.95 | 274.74 | 495.67 | 305.08 | 157.45 | 90.28 | 59.69 | 45.18 | 49.41 | | |
| 29 | 534.95 | 1669.41 | 2124.64 | 506.63 | 247.99 | 676.48 | 247.99 | 137.70 | 81.87 | 64.26 | | 62.73 | | |
| 30 | 429.14 | 1166.84 | 2079.90 | 445.50 | 222.08 | 739.43 | 206.95 | 135.77 | 80.22 | 68.94 | | 78.58 | | |
| 31 | | 843.51 | | 410.66 | 219.54 | | 197.04 | | 76.95 | 76.95 | | 86.89 | | |
| Total | 8002.87 | 25600.34 | 27324.21 | 45965.19 | 10671.72 | 10281.43 | 19388.41 | 8087.17 | 3884.57 | 3525.74 | 2163.72 | 2282.91 | 167178.28 | Tonday |
| Mean | 266.76 | 825.82 | 910.81 | 1482.75 | 344.25 | 342.71 | 625.43 | 269.57 | 125.31 | 113.73 | 77.28 | 73.64 | | Ton/day |
| Max | 641.27 | 2384.73 | 2206.14 | 3763.28 | 641.27 | 739.43 | 1200.90 | 568.35 | 163.52 | 159.46 | 126.24 | 128.13 | 3763.28 | Ton/day |
| Min | 115.08 | 130.03 | 269.33 | 410.66 | 219.54 | 161.49 | 197.04 | 135.77 | 76.95 | 59.69 | 21.30 | 17.00 | 17.00 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

## Khlong Lam Phikul at Ban Pak Khlong , Trang (X.235)

Lat 07 - 24 - 37 N Long 99 - 46 - 00 E

**Location : on right bank at Ban Pak Khlong.**

**Ban** Pak Khlong **Amphoe** Yan Ta Khaow **Changwat** Trang

| | |
|---|---|
| **Drainge Area** | 116 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont' d |
| **Actual Measurement** | 2005-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8365 |
| **Remarks** | Continued Sediment Station |

$$QS = 0.3967\ QW^{1.68210}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.97 | 10.72 | 25.38 | 58.67 | 40.31 | 34.82 | 119.61 | 27.32 | 16.67 | 10.72 | 8.54 | 3.08 | | |
| 2 | 9.61 | 9.97 | 23.54 | 52.24 | 39.44 | 30.63 | 94.76 | 26.04 | 14.09 | 9.97 | 8.54 | 2.88 | | |
| 3 | 8.54 | 9.61 | 22.33 | 52.24 | 38.59 | 27.96 | 86.43 | 27.96 | 14.09 | 9.24 | 8.54 | 2.88 | | |
| 4 | 10.35 | 9.24 | 19.99 | 52.24 | 37.74 | 42.95 | 99.85 | 28.63 | 13.61 | 8.19 | 8.54 | 2.88 | | |
| 5 | 14.09 | 9.24 | 18.28 | 48.44 | 37.02 | 77.45 | 80.30 | 28.63 | 13.61 | 8.54 | 8.54 | 2.88 | | |
| 6 | 10.35 | 9.24 | 17.19 | 48.44 | 36.27 | 54.19 | 88.10 | 33.40 | 15.09 | 7.85 | 8.54 | 2.88 | | |
| 7 | 9.24 | 16.13 | 22.33 | 77.45 | 36.27 | 67.80 | 83.20 | 29.28 | 18.86 | 21.72 | 8.54 | 2.70 | | |
| 8 | 8.54 | 11.89 | 21.72 | 83.20 | 36.27 | 63.82 | 61.22 | 27.32 | 14.09 | 62.52 | 8.54 | 2.70 | | |
| 9 | 7.85 | 11.89 | 27.32 | 81.75 | 36.27 | 51.28 | 49.38 | 24.77 | 13.61 | 39.44 | 7.52 | 2.52 | | |
| 10 | 9.97 | 12.70 | 22.33 | 119.61 | 33.40 | 45.66 | 51.28 | 24.77 | 13.11 | 29.97 | 6.25 | 2.35 | | |
| 11 | 29.28 | 9.97 | 30.63 | 437.48 | 31.33 | 43.85 | 76.04 | 24.14 | 13.11 | 27.96 | 8.54 | 2.35 | | |
| 12 | 32.72 | 9.97 | 24.77 | 345.28 | 28.63 | 54.19 | 66.46 | 22.91 | 26.66 | 42.06 | 8.54 | 2.35 | | |
| 13 | 20.55 | 10.72 | 27.32 | 220.15 | 34.13 | 63.82 | 146.75 | 28.63 | 18.86 | 22.91 | 7.85 | 2.35 | | |
| 14 | 17.19 | 15.09 | 33.40 | 277.35 | 27.32 | 63.82 | 114.05 | 30.63 | 16.13 | 20.55 | 7.19 | 2.35 | | |
| 15 | 13.61 | 19.40 | 70.50 | 204.80 | 29.28 | 47.51 | 69.14 | 26.66 | 16.67 | 17.19 | 5.95 | 2.35 | | |
| 16 | 11.50 | 13.61 | 36.27 | 138.76 | 54.19 | 45.66 | 61.22 | 27.32 | 15.62 | 14.09 | 5.45 | 2.35 | | |
| 17 | 10.35 | 31.33 | 36.27 | 106.86 | 38.59 | 57.41 | 57.41 | 32.00 | 27.96 | 13.61 | 4.76 | 2.35 | | |
| 18 | 9.61 | 80.30 | 55.17 | 89.71 | 32.00 | 53.21 | 50.33 | 36.27 | 22.91 | 16.67 | 4.52 | 2.18 | | |
| 19 | 10.72 | 78.87 | 152.82 | 78.87 | 37.02 | 43.85 | 58.67 | 34.13 | 50.33 | 16.67 | 4.52 | 3.66 | | |
| 20 | 17.75 | 66.46 | 249.44 | 70.50 | 31.33 | 38.59 | 53.21 | 27.96 | 31.33 | 18.28 | 4.52 | 4.08 | | |
| 21 | 10.72 | 55.17 | 199.78 | 63.82 | 27.96 | 36.27 | 69.14 | 27.96 | 19.40 | 17.75 | 4.52 | 3.26 | | |
| 22 | 9.61 | 66.46 | 202.28 | 55.17 | 26.66 | 33.40 | 54.19 | 26.66 | 19.40 | 14.09 | 4.31 | 2.52 | | |
| 23 | 11.11 | 98.16 | 115.91 | 50.33 | 25.38 | 30.63 | 51.28 | 23.54 | 16.67 | 13.11 | 4.31 | 1.77 | | |
| 24 | 9.97 | 58.67 | 129.01 | 48.44 | 23.54 | 14.09 | 44.75 | 22.33 | 14.60 | 14.60 | 4.31 | 1.67 | | |
| 25 | 9.61 | 44.75 | 192.35 | 46.58 | 21.72 | 23.54 | 43.85 | 26.66 | 13.11 | 14.09 | 4.31 | 1.67 | | |
| 26 | 34.13 | 38.59 | 266.04 | 45.66 | 26.66 | 14.09 | 83.20 | 21.72 | 11.89 | 11.11 | 4.08 | 1.67 | | |
| 27 | 17.75 | 32.00 | 154.91 | 43.85 | 35.56 | 34.82 | 44.75 | 20.55 | 11.50 | 10.72 | 3.66 | 2.02 | | |
| 28 | 13.61 | 27.96 | 114.05 | 61.22 | 34.82 | 55.17 | 37.74 | 18.86 | 12.29 | 10.35 | 3.66 | 3.66 | | |
| 29 | 12.29 | 28.63 | 84.84 | 44.75 | 37.02 | 43.85 | 34.13 | 17.75 | 12.29 | 9.24 | | 22.33 | | |
| 30 | 11.11 | 27.96 | 67.80 | 51.28 | 39.44 | 77.45 | 32.00 | 17.19 | 11.89 | 8.89 | | 7.52 | | |
| 31 | | 26.66 | | 49.38 | 40.31 | | 30.63 | | 11.11 | 8.54 | | 5.45 | | |
| Total | 411.70 | 951.36 | 2463.97 | 3204.52 | 1054.47 | 1371.78 | 2093.07 | 791.99 | 540.56 | 550.64 | 177.09 | 107.66 | 13718.81 | Tonday |
| Mean | 13.72 | 30.69 | 82.13 | 103.37 | 34.02 | 45.73 | 67.52 | 26.40 | 17.44 | 17.76 | 6.32 | 3.47 | | Ton/day |
| Max | 34.13 | 98.16 | 266.04 | 437.48 | 54.19 | 77.45 | 146.75 | 36.27 | 50.33 | 62.52 | 8.54 | 22.33 | 437.48 | Ton/day |
| Min | 7.85 | 9.24 | 17.19 | 43.85 | 21.72 | 14.09 | 30.63 | 17.19 | 11.11 | 7.85 | 3.66 | 1.67 | 1.67 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Lower Khlong Palian at Ban Yan Ta Khaow , Trang (X.236)

Lat 07 - 22 - 20 N Long 99 - 40 - 39 E

**Location : on right bank at Ban Yan Ta Khaow.**

**Ban** Yan Ta Khaow **Amphoe** Yan Ta Khaow **Changwat** Trang

| | |
|---|---|
| **Drainge Area** | 587 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 2005-Cont' d |
| **Actual Measurement** | 2005-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.8687 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.1573\ QW^{1.38240}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 91.49 | 69.03 | 111.33 | 264.02 | 119.90 | 148.48 | 551.91 | 85.65 | 60.99 | 37.58 | 33.46 | 19.10 | | |
| 2 | 74.04 | 56.25 | 89.88 | 219.17 | 99.62 | 116.45 | 555.88 | 84.33 | 58.13 | 38.42 | 36.75 | 24.13 | | |
| 3 | 60.99 | 48.90 | 86.96 | 195.99 | 85.65 | 86.96 | 555.88 | 88.29 | 64.12 | 40.12 | 39.27 | 25.63 | | |
| 4 | 53.46 | 51.62 | 77.85 | 182.23 | 76.58 | 83.03 | 481.85 | 97.98 | 64.12 | 54.39 | 45.33 | 23.39 | | |
| 5 | 48.00 | 52.54 | 67.79 | 157.75 | 72.78 | 211.03 | 417.76 | 104.59 | 67.79 | 44.45 | 39.27 | 24.88 | | |
| 6 | 39.27 | 50.71 | 61.95 | 152.17 | 81.72 | 216.45 | 350.84 | 166.54 | 57.19 | 53.46 | 39.27 | 30.26 | | |
| 7 | 38.42 | 71.52 | 70.27 | 184.50 | 88.29 | 238.51 | 401.54 | 150.32 | 64.12 | 57.19 | 35.92 | 32.65 | | |
| 8 | 31.05 | 66.56 | 81.72 | 258.29 | 97.98 | 296.14 | 332.32 | 128.65 | 50.71 | 135.77 | 30.26 | 29.47 | | |
| 9 | 35.09 | 71.52 | 99.62 | 308.08 | 107.94 | 296.14 | 278.49 | 113.03 | 48.00 | 123.38 | 29.47 | 19.10 | | |
| 10 | 42.70 | 74.04 | 88.29 | 375.95 | 97.98 | 241.31 | 235.72 | 97.98 | 39.27 | 86.96 | 24.88 | 3.88 | | |
| 11 | 76.58 | 67.79 | 97.98 | 1081.68 | 94.72 | 198.31 | 241.31 | 99.62 | 44.45 | 76.58 | 21.22 | 8.41 | | |
| 12 | 102.93 | 74.04 | 111.33 | 3140.18 | 89.88 | 184.50 | 208.33 | 88.29 | 41.84 | 77.85 | 18.41 | 11.91 | | |
| 13 | 94.72 | 91.49 | 119.90 | 1821.31 | 99.62 | 246.93 | 208.33 | 85.65 | 46.21 | 65.34 | 19.80 | 14.42 | | |
| 14 | 107.94 | 114.73 | 126.89 | 1304.01 | 83.03 | 224.65 | 624.53 | 88.29 | 35.92 | 48.00 | 24.88 | 13.78 | | |
| 15 | 107.94 | 126.89 | 230.17 | 1121.15 | 70.27 | 168.76 | 532.19 | 86.96 | 40.98 | 52.54 | 29.47 | 13.78 | | |
| 16 | 89.88 | 113.03 | 170.98 | 826.71 | 119.90 | 137.57 | 311.08 | 77.85 | 38.42 | 48.00 | 32.65 | 24.88 | | |
| 17 | 71.52 | 128.65 | 144.82 | 600.05 | 114.73 | 148.48 | 332.32 | 116.45 | 49.80 | 47.10 | 47.10 | 36.75 | | |
| 18 | 60.03 | 350.84 | 191.37 | 440.78 | 93.10 | 166.54 | 272.68 | 104.59 | 59.08 | 58.13 | 54.39 | 35.92 | | |
| 19 | 54.39 | 567.83 | 363.34 | 363.34 | 97.98 | 146.65 | 278.49 | 123.38 | 46.21 | 59.08 | 59.08 | 44.45 | | |
| 20 | 57.19 | 424.30 | 945.69 | 299.11 | 91.49 | 126.89 | 252.59 | 93.10 | 40.98 | 61.95 | 57.19 | 42.70 | | |
| 21 | 46.21 | 382.31 | 1343.28 | 266.90 | 81.72 | 152.17 | 246.93 | 94.72 | 48.00 | 60.03 | 48.00 | 40.98 | | |
| 22 | 40.98 | 401.54 | 1156.13 | 227.40 | 75.30 | 135.77 | 216.45 | 96.35 | 59.08 | 60.03 | 36.75 | 44.45 | | |
| 23 | 57.19 | 612.25 | 802.18 | 195.99 | 83.03 | 142.99 | 184.50 | 83.03 | 55.32 | 61.95 | 35.09 | 37.58 | | |
| 24 | 64.12 | 474.23 | 571.83 | 179.96 | 77.85 | 150.32 | 154.02 | 84.33 | 52.54 | 56.25 | 29.47 | 22.66 | | |
| 25 | 64.12 | 385.49 | 723.00 | 164.33 | 81.72 | 142.99 | 202.97 | 79.14 | 47.10 | 57.19 | 17.05 | 29.47 | | |
| 26 | 116.45 | 302.09 | 908.37 | 130.42 | 81.72 | 125.13 | 150.32 | 66.56 | 42.70 | 50.71 | 13.78 | 30.26 | | |
| 27 | 125.13 | 255.43 | 745.59 | 130.42 | 130.42 | 152.17 | 132.20 | 55.32 | 35.92 | 39.27 | 9.54 | 21.94 | | |
| 28 | 102.93 | 193.67 | 595.99 | 182.23 | 150.32 | 244.11 | 111.33 | 54.39 | 36.75 | 31.05 | 5.78 | 15.06 | | |
| 29 | 94.72 | 189.07 | 430.87 | 154.02 | 123.38 | 170.98 | 99.62 | 52.54 | 37.58 | 27.15 | | 39.27 | | |
| 30 | 74.04 | 144.82 | 338.47 | 137.57 | 150.32 | 219.17 | 94.72 | 52.54 | 35.92 | 30.26 | | 32.65 | | |
| 31 | | 128.65 | | 150.32 | 177.71 | | 77.85 | | 37.58 | 33.46 | | 27.15 | | |
| Total | 2123.52 | 6141.83 | 10953.84 | 15216.03 | 3096.65 | 5319.58 | 9094.95 | 2800.46 | 1506.82 | 1773.64 | 913.53 | 820.96 | 59761.81 | Tonday |
| Mean | 70.78 | 198.12 | 365.13 | 490.84 | 99.89 | 177.32 | 293.39 | 93.35 | 48.61 | 57.21 | 32.63 | 26.48 | | Ton/day |
| Max | 125.13 | 612.25 | 1343.28 | 3140.18 | 177.71 | 296.14 | 624.53 | 166.54 | 67.79 | 135.77 | 59.08 | 44.45 | 3140.18 | Ton/day |
| Min | 31.05 | 48.90 | 61.95 | 130.42 | 70.27 | 83.03 | 77.85 | 52.54 | 35.92 | 27.15 | 5.78 | 3.88 | 3.88 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Ton at Ban Ton , Satun (X.237)

Lat 06 - 51 - 20 N Long 100 - 09 - 13 E

**Location : on right bank at Ban Ton.**

**Ban** Ton **Amphoe** Khuan Kalong **Changwat** Satun

| | |
|---|---|
| **Drainge Area** | 89 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D - 49 |
| **Period of Available Records** | 2005-Cont' d |
| **Actual Measurement** | 2005-Cont' d |
| **Using Rating Curve Water Year** | 2005-2006 |
| **Number of observation** | 44 |
| **R-Square** | 0.8155 |
| **Remarks** | Continued Sediment Station |

$$QS = 3.7694\ QW^{1.35360}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 73.78 | 11.64 | 10.29 | 10.29 | 12.33 | 13.03 | 48.48 | 12.33 | 7.12 | 5.38 | 3.77 | 3.77 | | |
| 2 | 67.20 | 12.33 | 9.63 | 10.29 | 15.19 | 15.93 | 67.20 | 9.63 | 5.94 | 5.94 | 3.77 | 3.52 | | |
| 3 | 54.55 | 13.03 | 9.63 | 10.29 | 15.19 | 14.46 | 45.53 | 8.99 | 5.94 | 3.52 | 3.77 | 3.52 | | |
| 4 | 56.09 | 10.96 | 9.63 | 9.63 | 10.29 | 10.29 | 26.30 | 8.99 | 5.94 | 3.77 | 3.77 | 3.77 | | |
| 5 | 49.98 | 63.97 | 8.99 | 27.58 | 10.96 | 10.96 | 30.18 | 8.99 | 5.94 | 7.73 | 3.77 | 3.77 | | |
| 6 | 13.74 | 45.53 | 9.63 | 26.30 | 10.29 | 98.00 | 18.97 | 8.35 | 5.94 | 8.99 | 3.77 | 3.03 | | |
| 7 | 11.64 | 30.18 | 13.03 | 16.68 | 8.99 | 35.57 | 15.19 | 10.29 | 7.12 | 26.30 | 3.77 | 3.03 | | |
| 8 | 11.64 | 18.97 | 11.64 | 12.33 | 8.35 | 22.56 | 13.74 | 9.63 | 6.53 | 54.55 | 3.03 | 3.03 | | |
| 9 | 11.64 | 14.46 | 8.99 | 8.35 | 9.63 | 15.93 | 10.96 | 8.35 | 7.12 | 28.87 | 2.10 | 2.55 | | |
| 10 | 12.33 | 11.64 | 6.53 | 9.63 | 9.63 | 13.74 | 15.19 | 10.96 | 7.12 | 13.74 | 2.33 | 2.33 | | |
| 11 | 28.87 | 10.96 | 8.35 | 262.73 | 8.99 | 11.64 | 11.64 | 13.74 | 7.12 | 8.35 | 2.55 | 2.33 | | |
| 12 | 36.95 | 10.96 | 8.99 | 48.48 | 8.35 | 10.29 | 8.99 | 13.03 | 5.94 | 8.35 | 3.03 | 2.33 | | |
| 13 | 27.58 | 8.99 | 5.38 | 34.20 | 4.82 | 8.35 | 9.63 | 10.96 | 5.38 | 9.63 | 4.29 | 2.33 | | |
| 14 | 17.81 | 59.21 | 4.82 | 67.20 | 5.94 | 7.73 | 25.03 | 10.96 | 5.38 | 8.99 | 4.29 | 2.33 | | |
| 15 | 15.19 | 39.76 | 9.63 | 44.06 | 7.12 | 8.99 | 16.68 | 8.99 | 5.38 | 7.73 | 3.77 | 2.33 | | |
| 16 | 13.03 | 17.81 | 8.99 | 25.03 | 39.76 | 10.29 | 34.20 | 10.29 | 6.53 | 8.35 | 3.77 | 2.33 | | |
| 17 | 12.33 | 16.68 | 10.29 | 17.81 | 45.53 | 8.99 | 30.18 | 10.96 | 15.19 | 6.53 | 3.77 | 2.33 | | |
| 18 | 13.03 | 21.34 | 8.99 | 15.93 | 9.63 | 8.35 | 13.74 | 9.63 | 22.56 | 5.38 | 3.52 | 2.33 | | |
| 19 | 17.81 | 23.79 | 8.99 | 13.74 | 10.29 | 8.35 | 16.68 | 16.68 | 8.35 | 5.38 | 3.52 | 2.55 | | |
| 20 | 16.68 | 31.51 | 28.87 | 16.68 | 11.64 | 7.73 | 15.93 | 21.34 | 6.53 | 7.12 | 3.52 | 3.52 | | |
| 21 | 13.74 | 36.95 | 27.58 | 13.03 | 10.29 | 7.73 | 21.34 | 13.03 | 10.29 | 5.38 | 3.52 | 3.77 | | |
| 22 | 59.21 | 39.76 | 13.03 | 12.33 | 7.12 | 7.73 | 26.30 | 10.96 | 8.35 | 5.38 | 3.27 | 3.27 | | |
| 23 | 41.18 | 22.56 | 10.96 | 11.64 | 7.12 | 8.99 | 17.81 | 11.64 | 9.63 | 5.94 | 3.27 | 2.79 | | |
| 24 | 54.55 | 17.81 | 10.29 | 16.68 | 7.12 | 10.96 | 18.97 | 10.29 | 9.63 | 5.94 | 3.27 | 2.79 | | |
| 25 | 38.35 | 15.19 | 22.56 | 17.81 | 5.94 | 34.20 | 17.81 | 8.35 | 10.29 | 5.94 | 3.27 | 3.77 | | |
| 26 | 25.03 | 14.46 | 17.81 | 12.33 | 5.38 | 47.00 | 13.03 | 8.35 | 8.35 | 5.94 | 3.27 | 3.52 | | |
| 27 | 18.97 | 13.74 | 21.34 | 12.33 | 3.77 | 42.62 | 13.03 | 8.35 | 6.53 | 5.94 | 3.03 | 3.03 | | |
| 28 | 9.63 | 10.96 | 11.64 | 13.03 | 4.82 | 22.56 | 13.03 | 7.73 | 11.64 | 5.94 | 3.27 | 3.52 | | |
| 29 | 9.63 | 10.96 | 9.63 | 10.29 | 5.38 | 13.03 | 11.64 | 7.73 | 7.12 | 5.38 | | 4.82 | | |
| 30 | 9.63 | 10.29 | 9.63 | 25.03 | 15.93 | 47.00 | 12.33 | 6.53 | 7.12 | 5.94 | | 4.82 | | |
| 31 | | 11.64 | | 13.74 | 12.33 | | 14.46 | | 5.94 | 5.38 | | 4.82 | | |
| Total | 841.79 | 678.04 | 355.76 | 845.47 | 348.12 | 583.00 | 654.19 | 316.05 | 247.96 | 297.70 | 96.05 | 97.95 | 5362.08 | Tonday |
| Mean | 28.06 | 21.87 | 11.86 | 27.27 | 11.23 | 19.43 | 21.10 | 10.54 | 8.00 | 9.60 | 3.43 | 3.16 | | Ton/day |
| Max | 73.78 | 63.97 | 28.87 | 262.73 | 45.53 | 98.00 | 67.20 | 21.34 | 22.56 | 54.55 | 4.29 | 4.82 | 262.73 | Ton/day |
| Min | 9.63 | 8.99 | 4.82 | 8.35 | 3.77 | 7.73 | 8.99 | 6.53 | 5.38 | 3.52 | 2.10 | 2.33 | 2.10 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Cheang at Ban Khlong Hak , Satun (X.238)

Lat 06 - 48 - 19 N Long 100 - 07 - 50 E

**Location : on left bank at Ban Khlong Hak.**

**Ban** Khlong Hak **Amphoe** Khuan Don **Changwat** Satun

| | |
|---|---|
| **Drainge Area** | 77 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont' d |
| **Actual Measurement** | 2005-Cont' d |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.7769 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.6797\ QW^{1.73940}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.57 | 9.57 | 8.04 | 13.90 | 9.57 | 2.21 | 241.81 | 5.13 | 1.37 | 17.76 | 0.71 | 0.47 | | |
| 2 | 8.79 | 68.06 | 7.70 | 12.09 | 6.36 | 1.77 | 235.33 | 5.13 | 1.19 | 17.13 | 0.71 | 0.39 | | |
| 3 | 6.99 | 51.30 | 6.99 | 10.38 | 6.36 | 1.56 | 248.37 | 3.60 | 1.27 | 17.13 | 0.71 | 0.39 | | |
| 4 | 6.36 | 13.47 | 5.13 | 8.79 | 6.11 | 1.45 | 145.68 | 3.40 | 1.09 | 16.58 | 0.71 | 0.34 | | |
| 5 | 5.85 | 18.32 | 4.45 | 12.56 | 5.37 | 1.45 | 84.00 | 4.01 | 1.02 | 15.44 | 0.71 | 0.31 | | |
| 6 | 5.13 | 33.21 | 4.01 | 12.56 | 4.23 | 6.62 | 69.34 | 20.22 | 1.02 | 16.58 | 0.63 | 0.31 | | |
| 7 | 3.40 | 26.18 | 3.80 | 10.01 | 4.90 | 33.21 | 40.13 | 6.99 | 1.86 | 15.44 | 0.63 | 0.27 | | |
| 8 | 2.65 | 13.47 | 4.23 | 6.11 | 5.13 | 61.85 | 22.81 | 4.67 | 2.21 | 15.44 | 0.58 | 0.27 | | |
| 9 | 2.48 | 8.44 | 3.60 | 8.04 | 4.67 | 7.31 | 15.44 | 5.85 | 2.08 | 13.47 | 0.58 | 0.31 | | |
| 10 | 2.48 | 22.10 | 3.02 | 22.81 | 4.23 | 3.40 | 12.98 | 5.61 | 1.98 | 5.13 | 0.58 | 0.31 | | |
| 11 | 6.99 | 15.97 | 3.40 | 339.22 | 4.23 | 2.65 | 11.22 | 7.31 | 1.86 | 2.48 | 0.58 | 0.31 | | |
| 12 | 79.88 | 28.38 | 2.83 | 189.43 | 3.60 | 3.02 | 9.21 | 8.79 | 1.86 | 1.86 | 0.58 | 0.31 | | |
| 13 | 23.43 | 69.34 | 4.67 | 78.53 | 4.01 | 4.45 | 7.31 | 5.37 | 1.77 | 1.56 | 0.50 | 0.31 | | |
| 14 | 11.22 | 217.48 | 13.90 | 65.55 | 2.83 | 4.23 | 6.62 | 4.23 | 1.65 | 1.09 | 0.47 | 0.31 | | |
| 15 | 9.21 | 223.28 | 17.13 | 40.13 | 2.65 | 10.01 | 7.31 | 3.40 | 1.56 | 0.93 | 0.42 | 0.31 | | |
| 16 | 6.62 | 92.50 | 10.38 | 26.94 | 3.40 | 11.22 | 11.22 | 3.21 | 1.77 | 1.56 | 0.42 | 0.63 | | |
| 17 | 4.67 | 71.92 | 10.38 | 20.81 | 2.83 | 6.11 | 28.38 | 4.45 | 2.48 | 1.65 | 0.50 | 0.50 | | |
| 18 | 4.01 | 43.81 | 10.38 | 17.13 | 2.21 | 3.60 | 12.56 | 3.80 | 2.83 | 1.37 | 0.58 | 0.58 | | |
| 19 | 3.80 | 30.75 | 14.41 | 13.47 | 2.21 | 2.65 | 20.81 | 6.62 | 1.86 | 1.37 | 0.58 | 0.77 | | |
| 20 | 7.31 | 24.79 | 66.80 | 12.09 | 1.77 | 2.08 | 110.53 | 14.41 | 1.65 | 1.27 | 0.50 | 0.86 | | |
| 21 | 4.67 | 20.22 | 79.88 | 11.68 | 1.45 | 1.86 | 103.69 | 41.04 | 2.08 | 0.42 | 0.47 | 0.63 | | |
| 22 | 46.89 | 53.58 | 64.30 | 10.01 | 1.86 | 1.77 | 47.98 | 12.98 | 1.77 | 0.42 | 0.47 | 0.63 | | |
| 23 | 60.64 | 65.55 | 34.04 | 10.01 | 1.77 | 1.77 | 33.21 | 6.99 | 1.27 | 0.47 | 0.42 | 0.63 | | |
| 24 | 30.75 | 33.21 | 27.61 | 10.01 | 1.77 | 1.77 | 33.21 | 6.11 | 1.45 | 0.39 | 0.42 | 0.63 | | |
| 25 | 51.30 | 22.81 | 47.98 | 9.57 | 1.65 | 3.02 | 35.74 | 4.90 | 1.45 | 0.34 | 0.39 | 0.77 | | |
| 26 | 34.04 | 17.13 | 69.34 | 8.79 | 1.65 | 10.83 | 18.32 | 3.80 | 1.37 | 0.42 | 0.39 | 0.71 | | |
| 27 | 22.10 | 13.90 | 41.95 | 8.79 | 1.86 | 57.06 | 12.98 | 3.40 | 1.37 | 0.42 | 0.39 | 1.37 | | |
| 28 | 12.09 | 12.09 | 24.79 | 9.21 | 1.65 | 22.10 | 9.21 | 2.65 | 1.86 | 0.34 | 0.39 | 1.27 | | |
| 29 | 7.70 | 11.22 | 17.13 | 8.79 | 1.45 | 12.56 | 6.62 | 2.31 | 1.45 | 0.27 | | 1.19 | | |
| 30 | 7.31 | 10.01 | 14.85 | 13.47 | 2.48 | 226.09 | 5.85 | 2.08 | 1.27 | 0.34 | | 0.71 | | |
| 31 | | 12.56 | | 14.41 | 4.01 | | 6.11 | | 1.19 | 0.39 | | 0.86 | | |
| Total | 488.33 | 1354.62 | 627.12 | 1035.29 | 108.27 | 509.68 | 1653.98 | 212.46 | 50.91 | 169.46 | 15.02 | 17.66 | 6242.80 | Tonday |
| Mean | 16.28 | 43.70 | 20.90 | 33.40 | 3.49 | 16.99 | 53.35 | 7.08 | 1.64 | 5.47 | 0.54 | 0.57 | | Ton/day |
| Max | 79.88 | 223.28 | 79.88 | 339.22 | 9.57 | 226.09 | 248.37 | 41.04 | 2.83 | 17.76 | 0.71 | 1.37 | 339.22 | Ton/day |
| Min | 2.48 | 8.44 | 2.83 | 6.11 | 1.45 | 1.45 | 5.85 | 2.08 | 1.02 | 0.27 | 0.39 | 0.27 | 0.27 | Ton/day |

# WATER YEAR : 2006

## SOUTHERN PENINSULA WEST COAST

### Khlong Phangnga at Ban Bang Tong , Phangnga (X.245)

Lat 08 - 30 - 49 N Long 98 - 30 - 15 E

**Location : on right bank at Ban Bang Tong.**

**Ban** Bang Tong **Amphoe** Mueang **Changwat** Phangnga

| | |
|---|---|
| **Drainge Area** | 242 sq.km. |
| **Method of sampling** | Depth Integrating |
| **Instrument Used** | US.D-49 |
| **Period of Available Records** | 2005-Cont'd |
| **Actual Measurement** | 2005-Cont'd |
| **Using Rating Curve Water Year** | 2006 |
| **Number of observation** | 24 |
| **R-Square** | 0.9159 |
| **Remarks** | Continued Sediment Station |

$$QS = 1.1979\ QW^{1.55830}$$

**Suspended Sediment , in Tons per Day. Water Year 1 April 2006 to 31 March 2007**

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 93.65 | 76.89 | 160.79 | 202.49 | 168.41 | 549.53 | 976.95 | 63.88 | 61.34 | 16.58 | 8.07 | 6.64 | | |
| 2 | 93.65 | 79.64 | 149.59 | 188.02 | 223.99 | 192.03 | 586.87 | 76.89 | 57.19 | 16.58 | 6.64 | 5.63 | | |
| 3 | 93.65 | 87.93 | 138.69 | 468.78 | 164.59 | 184.04 | 1837.83 | 82.34 | 57.19 | 16.58 | 6.64 | 5.63 | | |
| 4 | 93.65 | 93.65 | 149.59 | 428.23 | 164.59 | 145.93 | 1143.50 | 85.16 | 57.19 | 16.58 | 5.63 | 5.63 | | |
| 5 | 99.50 | 90.82 | 149.59 | 263.46 | 117.79 | 145.93 | 1364.28 | 76.89 | 57.19 | 16.58 | 5.63 | 4.69 | | |
| 6 | 108.55 | 102.52 | 135.12 | 257.68 | 96.60 | 117.79 | 1003.88 | 66.38 | 57.19 | 16.58 | 5.63 | 4.69 | | |
| 7 | 102.52 | 157.03 | 135.12 | 299.08 | 99.50 | 111.57 | 812.27 | 66.38 | 55.18 | 16.58 | 5.63 | 3.81 | | |
| 8 | 96.60 | 121.19 | 229.49 | 246.27 | 114.71 | 108.55 | 605.87 | 66.38 | 51.19 | 15.64 | 5.63 | 3.81 | | |
| 9 | 121.19 | 131.59 | 172.27 | 346.89 | 105.47 | 114.71 | 486.32 | 61.34 | 47.30 | 15.64 | 5.63 | 2.99 | | |
| 10 | 111.57 | 124.62 | 240.63 | 710.50 | 117.79 | 99.50 | 311.99 | 61.34 | 45.37 | 15.64 | 5.63 | 4.69 | | |
| 11 | 111.57 | 124.62 | 168.41 | 3922.50 | 102.52 | 61.34 | 596.35 | 61.34 | 41.65 | 15.64 | 12.92 | 4.69 | | |
| 12 | 117.79 | 188.02 | 160.79 | 2232.22 | 157.03 | 99.50 | 460.09 | 61.34 | 39.86 | 15.64 | 12.92 | 3.81 | | |
| 13 | 117.79 | 153.29 | 153.29 | 1646.89 | 168.41 | 192.03 | 346.89 | 61.34 | 38.04 | 15.64 | 6.64 | 3.81 | | |
| 14 | 117.79 | 135.12 | 188.02 | 1959.44 | 755.13 | 1348.05 | 281.07 | 39.86 | 36.32 | 15.64 | 6.64 | 3.81 | | |
| 15 | 111.57 | 124.62 | 197.24 | 2168.25 | 3717.55 | 428.23 | 207.79 | 41.65 | 36.32 | 16.58 | 5.63 | 3.81 | | |
| 16 | 142.29 | 117.79 | 188.02 | 1044.76 | 2276.73 | 339.81 | 172.27 | 43.53 | 32.89 | 16.58 | 4.69 | 2.99 | | |
| 17 | 117.79 | 160.79 | 188.02 | 656.10 | 1143.50 | 223.99 | 128.09 | 41.65 | 31.20 | 18.54 | 6.64 | 2.99 | | |
| 18 | 114.71 | 1518.27 | 188.02 | 513.07 | 755.13 | 172.27 | 102.52 | 61.34 | 27.96 | 18.54 | 11.21 | 2.25 | | |
| 19 | 111.57 | 800.73 | 281.07 | 451.46 | 549.53 | 138.69 | 99.50 | 61.34 | 26.42 | 16.58 | 8.07 | 2.25 | | |
| 20 | 105.47 | 1158.80 | 1158.80 | 299.08 | 428.23 | 114.71 | 90.82 | 61.34 | 23.75 | 14.71 | 6.64 | 2.99 | | |
| 21 | 99.50 | 800.73 | 531.19 | 246.27 | 275.15 | 111.57 | 90.82 | 61.34 | 21.61 | 12.05 | 5.63 | 3.81 | | |
| 22 | 99.50 | 513.07 | 420.59 | 192.03 | 207.79 | 99.50 | 71.56 | 66.38 | 19.54 | 12.05 | 5.63 | 6.64 | | |
| 23 | 93.65 | 688.56 | 299.08 | 160.79 | 164.59 | 93.65 | 96.60 | 61.34 | 18.54 | 12.05 | 5.63 | 36.32 | | |
| 24 | 93.65 | 477.52 | 257.68 | 184.04 | 138.69 | 105.47 | 99.50 | 41.65 | 17.55 | 11.21 | 11.21 | 23.75 | | |
| 25 | 93.65 | 346.89 | 293.03 | 160.79 | 124.62 | 160.79 | 93.65 | 66.38 | 16.58 | 11.21 | 11.21 | 27.96 | | |
| 26 | 87.93 | 397.95 | 2643.92 | 128.09 | 213.15 | 293.03 | 108.55 | 61.34 | 16.58 | 11.21 | 9.59 | 20.57 | | |
| 27 | 87.93 | 281.07 | 777.81 | 128.09 | 192.03 | 1128.27 | 160.79 | 39.86 | 16.58 | 10.39 | 8.07 | 11.21 | | |
| 28 | 87.93 | 213.15 | 451.46 | 124.62 | 160.79 | 318.86 | 293.03 | 34.56 | 16.58 | 9.59 | 6.64 | 5.63 | | |
| 29 | 82.34 | 188.02 | 257.68 | 124.62 | 138.69 | 311.99 | 269.28 | 24.85 | 16.58 | 9.59 | | 6.13 | | |
| 30 | 79.64 | 188.02 | 235.04 | 305.17 | 197.24 | 2457.87 | 164.59 | 61.34 | 15.64 | 9.59 | | 23.75 | | |
| 31 | | 172.27 | | 188.02 | 287.03 | | 145.93 | | 14.71 | 8.07 | | 12.92 | | |
| Total | 3088.59 | 9815.18 | 10700.04 | 20247.70 | 13526.97 | 9969.20 | 13209.45 | 1760.75 | 1071.23 | 444.08 | 206.37 | 260.30 | 84299.86 | Tonday |
| Mean | 102.95 | 316.62 | 356.67 | 653.15 | 436.35 | 332.31 | 426.11 | 58.69 | 34.56 | 14.33 | 7.37 | 8.40 | | Ton/day |
| Max | 142.29 | 1518.27 | 2643.92 | 3922.50 | 3717.55 | 2457.87 | 1837.83 | 85.16 | 61.34 | 18.54 | 12.92 | 36.32 | 3922.50 | Ton/day |
| Min | 79.64 | 76.89 | 135.12 | 124.62 | 96.60 | 61.34 | 71.56 | 24.85 | 14.71 | 8.07 | 4.69 | 2.25 | 2.25 | Ton/day |