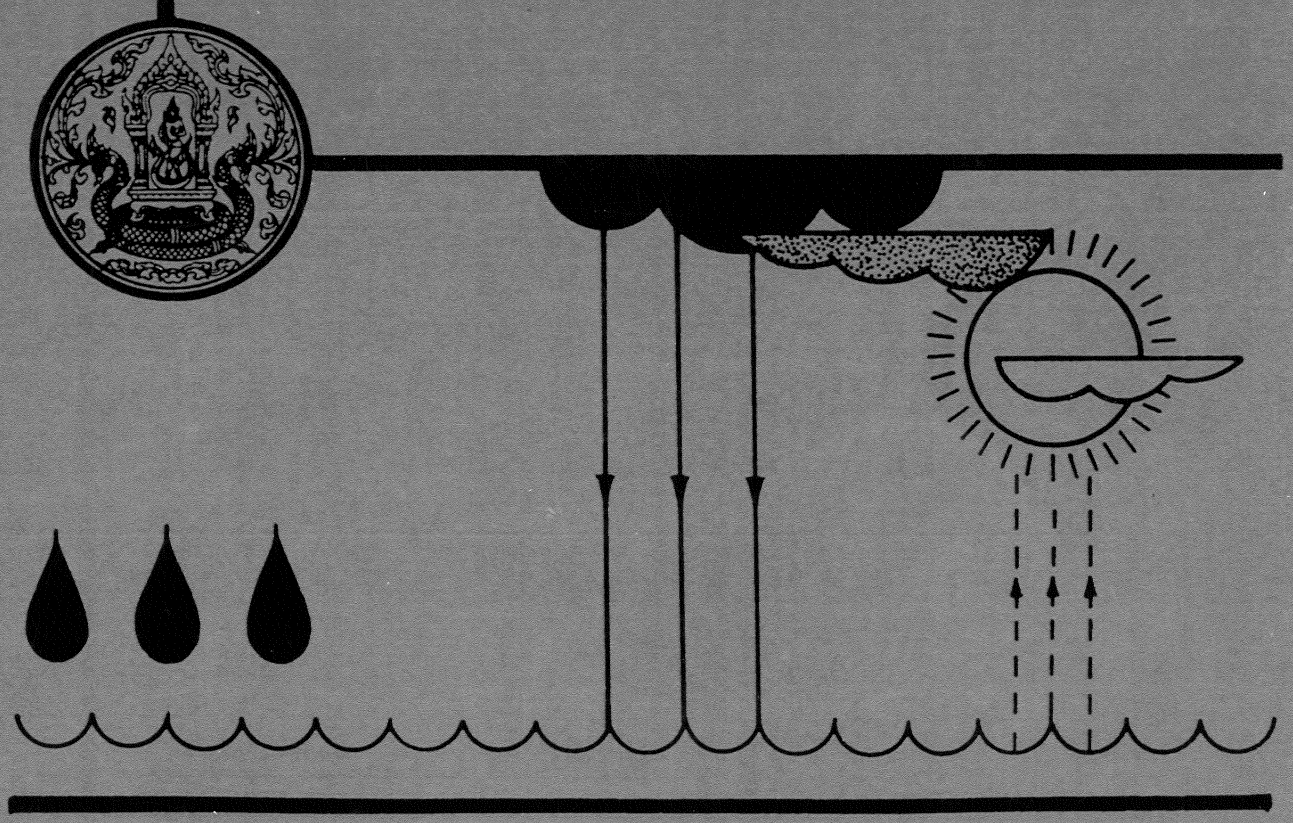
THAILAND
HYDROLOGICAL YEARBOOK

WATER YEAR 1985

VOLUME 28



ROYAL IRRIGATION DEPARTMENT
HYDROLOGY DIVISION
BANGKOK

THAILAND
HYDROLOGICAL YEARBOOK

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Bangkok

FOREWORD

The Programme of yearbook publications was initiated in 1966. Great efforts have been made in editing as well as the setting up of standard for yearbook publication. The previously proceeded data have been reviewed and arranged in serial order or volumes to be published. The first issue was published in 1968 as Volume 8. It presents records, during 1965 water year, of stage and discharge of 59 streams at 86 actual streamflow calibrating sites and at 27 previously calibrated ones. Up till now 27 volumes of yearbooks presenting streamflow data as early as 1912 upto 1984 totalling 4,996 station-years of record had been published.

This Volume 28 which is the twenty-eight issues of the series was prepared by the Data Processing Section. It Presents records, during 1985 water year, of stage and discharge of 184 streams at 215 currently calibrating sites and at 17 previously or subsequently calibrating ones.

Hydrology Division
January 1989

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The editorial staff of this hydrological yearbook publication feels particularly indebted to Mr. Boonchob Kanchanalak, former Senior Engineer Hydrologist of the Royal Irrigation Department, who had initiated and directed the editing work of yearbook publication in 1966. He made a great attempt in setting up procedure for yearbook publication and adopting engineering standard, method and steps for implement action up which the further publication of the series will be based.

Special thanks are conveyed to the Budget Bureau, office of the Prime Minister, who always renders great support to this work, also others who have valuable advices in improving the work standard are kindly pleased to accept our sincere thanks.

Thank to Mr. Thada Sukhabunnaphan for the initiative of Hydrology Data Processing with Computer to Data Processing Section from 1978 and thank to Mr. Amnuey Somsin, Chief of Data Processing Section, for the valuable advice.

Also may we express our sincere wish to Hydrological Investigation Sections, Study and Discharge Analysis Unit and Study and Water-Level Analysis Unit for the complete issue of Thailand Hydrological yearbook Volume 28.

Hydrology Division
January 1989

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ILLUSSTRATION OF STREAM GAGING ACTIVITIES

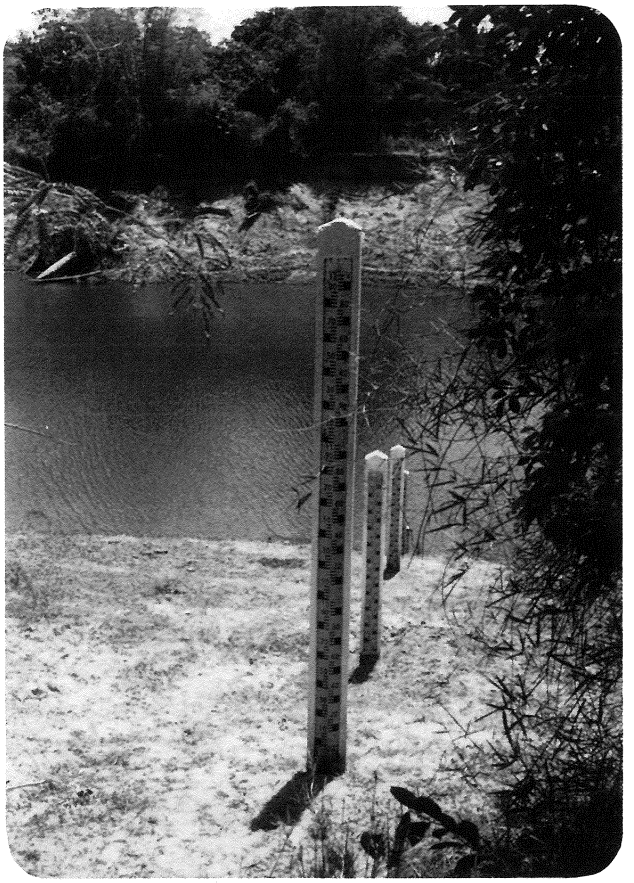


Fig. 1 Typical vertical staff gage

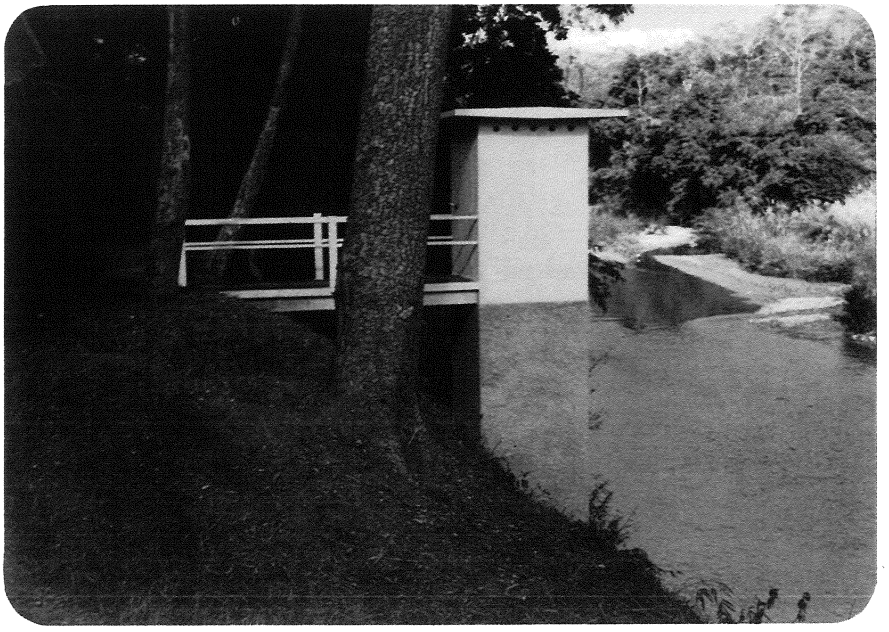


Fig. 2 Typical shelter for water level recorder (Float Type)



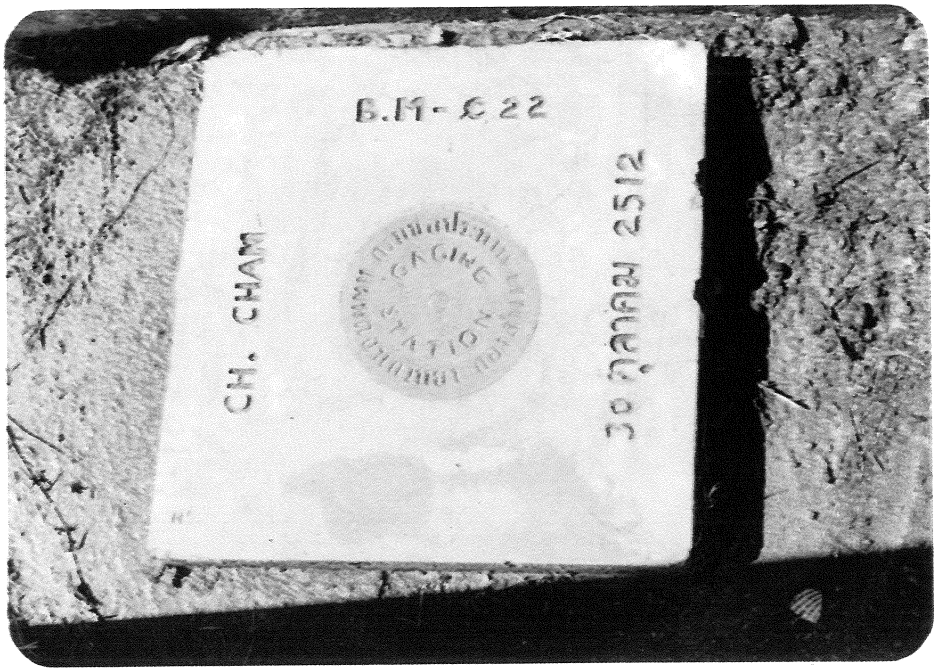


Fig. 3 Standard bench mark



Fig. 4 Close - up of rating operation



Fig. 5 Standard hydrologic equipment

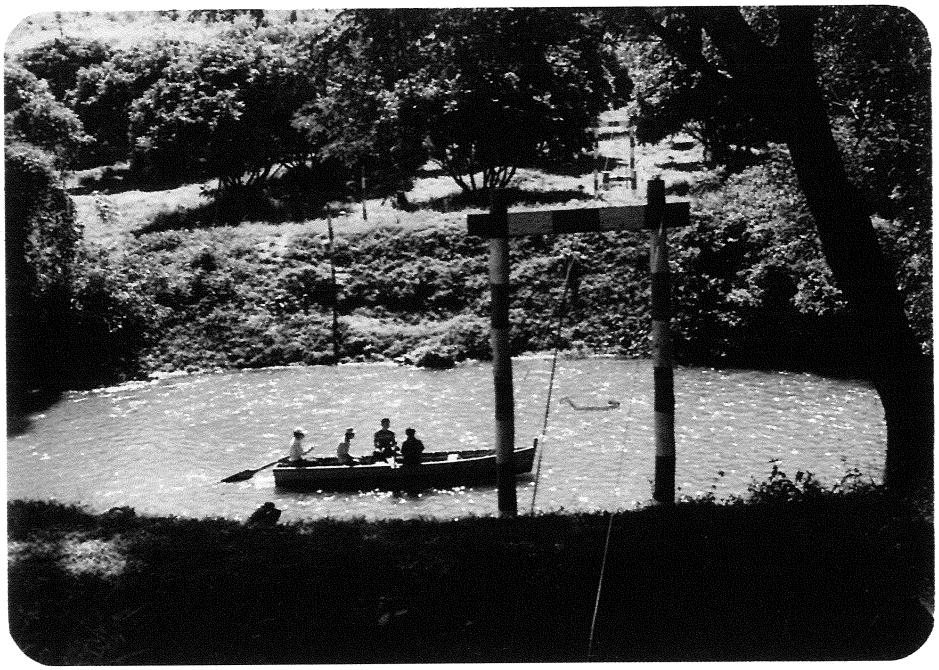


Fig. 6 Measuring line



Fig. 7 Camp for hydrological station

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HYDROLOGICAL YEAR BOOK PUBLICATION

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Introduction

Great attempt has been made all along to expedite the engineering processing of the streamflow data to be ready for publication, and to translate the publication plan into implementation. Efforts from various working units as well as personnel concerned are pulled together to drive this work into reality. Publication of streamflow 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 gaging stations in 59 streams.

Definition of terms and abbreviations

Table for converting Metric Units to English Units is on page XXI. Terms related to streamflow 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, within 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.

Gaging 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 gaging station" is applied only those gaging stations where only a gage height record is observed at an installed staff gage. If a water stage recorder is also installed, such a gaging station is referred as recording gaging station. In case of discharge measurements being practiced, it is referred as streamflow 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 9 of 12 months. Thus, the year began April 1, 1969 is called the "1969 water year".

Order of listing of gaging data

In this format, gaging 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 letter 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 streamflow rating station ever built in this river.

Series of yearbook publications

The yearbook series in which the streamflow 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

Volume	Water Years	No. of station-years	Date of issuance
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

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

* * * * * * * *

Network design

The location of stream gaging stations is primarily based upon the urgent need at various damsites 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 streamflow 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 enamelled staff gage sections 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 being 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 streamflow gaging 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 streamflow gaging 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 cableway across the river is one of typical means of flow measurement by current meter for medium river, 100 m wide. For 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 overbank flow stage. The overbank 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 gaging 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 tailwaters of existing reservoirs.

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

Review of procedure for streamflow 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) Datums 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 streamflow 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

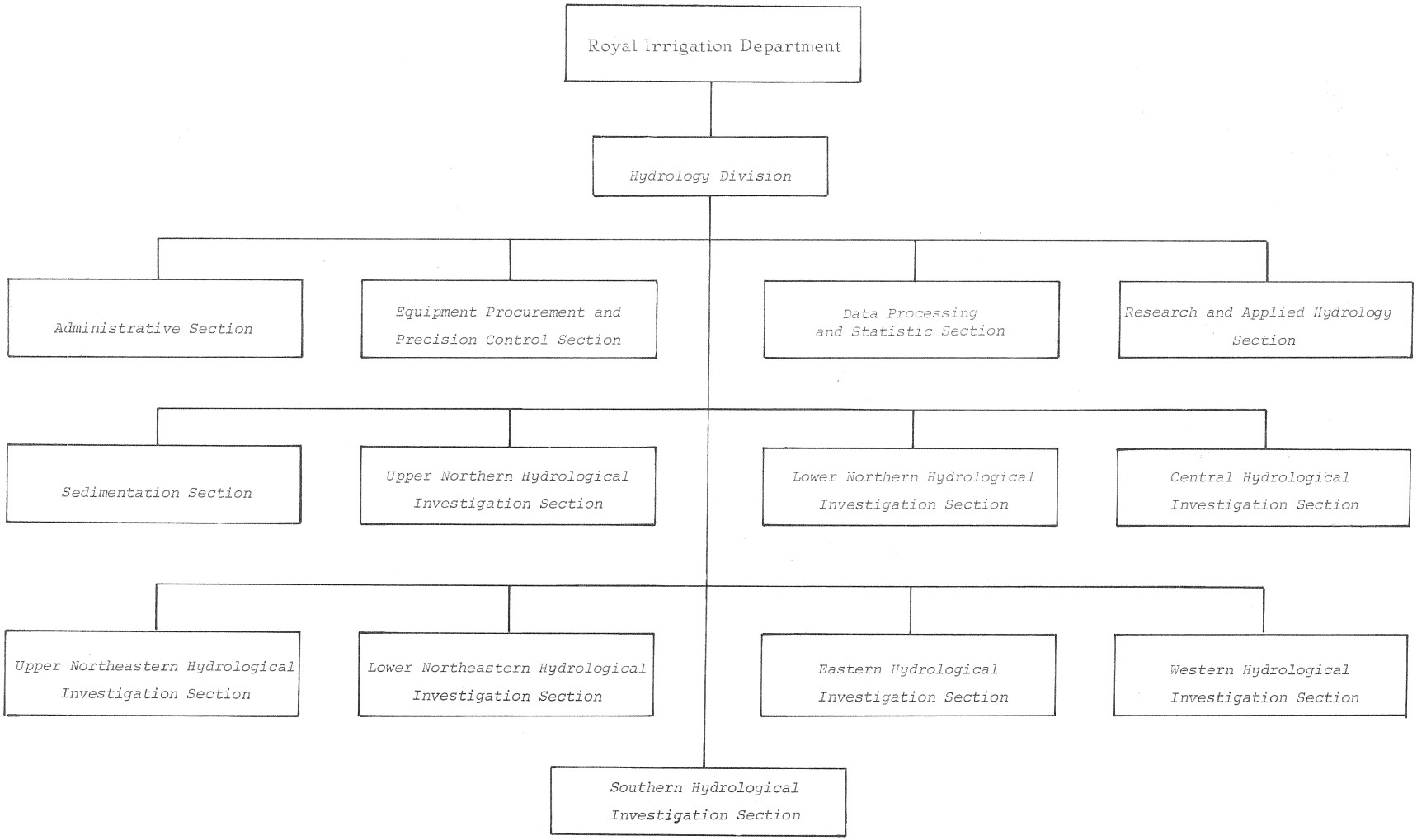
The Royal Irrigation Department (RID) has developed data system which includes computerization of storage, processing and retrieval of rainfall data since 1969. During the streamflow data system was being developed at RID in 1976, the National Economic and Social Development Board has made in agreement 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, analyse 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 Sequencial 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 agencywise. 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 agencywise; raw data and analysed 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

Streamflow 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
Hydrology Division
Administrative Section
Equipment Procurement and Precision Control Section
Data Processing and Statistic Section
Research and Applied Hydrology Section
Sedimentation Section
Upper Northern Hydrological Investigation Section
Lower Northern Hydrological Investigation Section
Central Hydrological Investigation Section
Upper Northeastern Hydrological Investigation Section
Lower Northeastern Hydrological Investigation Section
Eastern Hydrological Investigation Section
Western Hydrological Investigation Section
Southern Hydrological Investigation Section

PARTICIPATION IN STREAM GAGING WORKS

* * * * * * * *

Among 22 water related government agencies, several of them operate streamflow gaging 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, streamflow, 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 gaging 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 stations 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 - May 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 gaging works is the Hydrometeorology Division of the Meteorological Department. With the technical and financial support from the World Meteorelogical Organization, this agency began the stream gaging works in 1967. Up till now, about 11 discharge stations and 32 stage stations are under operation. The stream gaging data are also included in their yearbook.

The last agency which operates the stream gaging 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 gaging 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 units published herein to the English units.

Multiply metric or Thai units	By	To obtain English units
	Length	
millimeters (mm)	.03973	inches (in)
meters (m)	39.37	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)
	2.47×10^{-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)
	2.642×10^{-4}	million gallons (10^6 gal)
	35.31	cubic feet (ft^3)
	4.086×10^{-4}	cfs-day (ft^3/s-day)
	8.11×10^{-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)	811×10^3	acre-feet (acre-ft)
	Flow	
liters per second (l/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)
	22.82×10^{-3}	million gallons per day(mgd)

Multiply metric or Thai units	By	To obtain English units
	Flow (Cont.)	
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)

* * * * * * * *

Stream Gaging Data

Water Year 1985

WATER YEAR 1985
PING RIVER BASIN

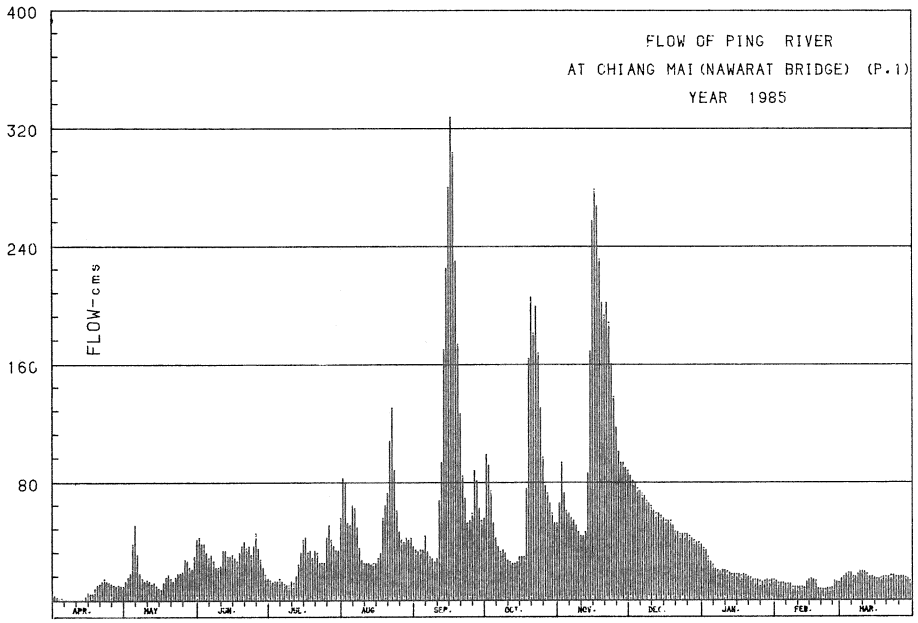
PING RIVER AT CHIANG MAI, CHIANG MAI (P.1)

LOCATION	LAT. 18-47-09 N., LONG. 99-00-29 E., ON LEFT BANK ABOUT 100 METERS DOWNSTREAM FROM NAWARAT BRIDGE, AMPHOE MUANG, CHIANG MAI.
DRAINAGE AREA	6,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+300.500 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+305.31 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1921 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	1936-1938
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 11,200 HECTARES AT MAE FAEK WEIR. STAGE-DISCHARGE RELATION DEFINED BY 72 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	301.49	301.62	301.88	301.63	302.09	301.78	302.18	301.99	302.10	301.79	301.56	301.58	
2	301.46	301.65	301.85	301.61	302.07	301.77	302.14	302.15	302.08	301.78	301.54	301.60	
3	301.45	301.68	301.85	301.62	301.91	301.78	302.04	302.03	302.07	301.74	301.54	301.62	
4	301.45	301.85	301.81	301.62	301.90	301.78	301.91	301.96	302.05	301.71	301.54	301.63	
5	301.42	301.92	301.78	301.64	301.98	301.85	301.84	301.95	302.04	301.69	301.53	301.63	
6	301.42	301.80	301.80	301.62	301.97	301.77	301.80	301.93	302.03	301.66	301.53	301.60	
7	301.42	301.68	301.76	301.60	301.89	301.74	301.77	301.92	302.02	301.65	301.53	301.60	
8	301.42	301.64	301.72	301.59	301.79	301.73	301.78	301.90	302.00	301.64	301.50	301.62	
9	301.42	301.62	301.72	301.59	301.72	301.71	301.76	301.87	301.99	301.65	301.50	301.64	
10	301.42	301.63	301.73	301.62	301.70	301.73	301.72	301.85	301.98	301.65	301.50	301.64	
11	301.41	301.62	301.82	301.61	301.70	302.00	301.71	301.85	301.96	301.64	301.50	301.64	
12	301.40	301.60	301.82	301.66	301.70	302.15	301.70	301.87	301.95	301.63	301.50	301.62	
13	301.43	301.61	301.79	301.74	301.69	302.65	301.70	302.11	301.95	301.62	301.49	301.60	
14	301.51	301.58	301.79	301.81	301.70	303.10	301.71	302.64	301.94	301.62	301.55	301.60	
15	301.52	301.56	301.80	301.87	301.70	303.54	301.74	303.36	301.93	301.62	301.57	301.59	
16	301.51	301.55	301.78	301.88	301.73	303.92	301.74	303.53	301.92	301.62	301.58	301.58	
17	301.51	301.61	301.76	301.81	301.76	303.73	301.74	303.44	301.92	301.61	301.57	301.58	
18	301.56	301.65	301.81	301.82	301.93	303.14	302.05	303.15	301.92	301.62	301.56	301.59	
19	301.59	301.67	301.84	301.78	301.98	302.68	302.60	302.91	301.90	301.61	301.48	301.60	
20	301.60	301.64	301.86	301.82	302.03	302.33	302.94	302.84	301.87	301.60	301.47	301.60	
21	301.62	301.62	301.83	301.81	302.23	302.10	302.74	302.91	301.87	301.59	301.47	301.60	
22	301.64	301.65	301.84	301.75	302.35	302.01	302.89	302.80	301.86	301.57	301.47	301.61	
23	301.62	301.68	301.80	301.75	302.12	301.91	302.63	302.57	301.86	301.57	301.48	301.61	
24	301.61	301.68	301.84	301.75	301.96	301.92	302.35	302.39	301.86	301.57	301.48	301.60	
25	301.60	301.69	301.90	301.88	301.87	301.95	302.17	302.28	301.86	301.56	301.49	301.60	
26	301.59	301.77	301.83	301.92	301.83	302.12	302.06	302.19	301.85	301.55	301.56	301.60	
27	301.58	301.76	301.77	301.87	301.82	302.08	302.03	302.15	301.84	301.56	301.55	301.60	
28	301.59	301.72	301.72	301.84	301.84	301.97	301.99	302.15	301.83	301.57	301.54	301.59	
29	301.58	301.71	301.67	301.82	301.83	301.92	301.95	302.13	301.82	301.56		301.58	
30	301.58	301.79	301.64	301.82	301.84	301.93	301.91	302.12	301.82	301.57		301.56	
31		301.87		301.93	301.80		301.91		301.81	301.57		301.54	
MEAN	301.51	301.68	301.79	301.74	301.88	302.23	302.04	302.36	301.93	301.63	301.52	301.60	
MAX	301.64	301.92	301.90	301.93	302.35	303.92	302.94	303.53	302.10	301.79	301.58	301.64	303.92
MIN	301.40	301.55	301.64	301.59	301.69	301.71	301.70	301.85	301.81	301.55	301.47	301.54	301.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 303.96 M (MSL), AT 19.00 HOURS, ON SEP 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 300.50 M (MSL), RIVER BED 299.33 M (MSL)
LEFT BANK ELEVATION 307.71 M (MSL)
RIGHT BANK ELEVATION 307.49 M (MSL), DRAINAGE AREA 6355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.14	12.80	42.55	13.70	82.80	34.20	98.90	65.82	84.50	35.35	13.20	14.60	
2	2.06	15.50	38.13	11.90	79.40	33.05	91.70	93.50	81.10	34.20	11.80	16.00	
3	1.70	18.20	38.13	12.80	52.43	34.20	74.30	72.60	79.40	29.60	11.80	17.80	
4	1.70	38.13	32.23	12.80	50.75	34.20	52.43	60.80	76.00	26.15	11.80	18.70	
5	0.98	50.91	28.60	14.60	64.15	43.63	42.20	59.13	74.30	24.10	11.10	18.70	
6	0.98	30.75	30.75	12.80	62.48	33.05	36.50	55.77	72.60	21.40	11.10	16.00	
7	0.98	18.20	26.45	11.00	49.33	29.60	33.05	54.10	70.90	20.50	11.10	16.00	
8	0.98	14.60	22.15	10.25	35.35	28.45	34.20	50.75	67.50	19.60	9.00	17.80	
9	0.98	12.80	22.15	10.25	27.30	26.15	31.90	46.48	65.82	20.50	9.00	19.60	
10	0.98	13.70	23.23	12.80	25.00	28.45	27.30	43.63	64.15	20.50	9.00	19.60	
11	0.74	12.80	33.70	11.90	25.00	67.50	26.15	43.63	60.80	19.60	9.00	19.60	
12	0.50	11.00	33.70	16.40	25.00	93.50	25.00	46.48	59.13	18.70	9.00	17.80	
13	1.22	11.90	29.68	24.30	24.10	170.12	25.00	86.30	59.13	17.80	8.47	16.00	
14	4.25	9.50	29.68	32.23	25.00	225.25	26.15	168.90	57.45	17.80	12.50	16.00	
15	5.00	8.00	30.75	41.08	25.00	280.00	29.60	257.50	55.77	17.80	13.90	15.30	
16	4.25	7.25	28.60	42.55	28.45	327.60	29.60	278.75	54.10	17.80	14.60	14.60	
17	4.25	11.90	26.45	32.23	31.90	303.75	29.60	267.50	54.10	16.90	13.90	14.60	
18	8.00	15.50	32.23	33.70	55.77	230.15	76.00	231.37	54.10	17.80	13.20	15.30	
19	10.25	17.30	36.65	28.60	64.15	173.80	164.00	201.97	50.75	16.90	7.94	16.00	
20	11.00	14.60	39.60	33.70	72.60	126.70	205.65	193.40	46.48	16.00	7.41	16.00	
21	12.80	12.80	35.18	32.23	108.05	84.50	181.15	201.97	46.48	15.30	7.41	16.00	
22	14.60	15.50	36.65	25.37	130.50	69.20	199.53	188.50	45.05	13.90	7.41	16.90	
23	12.80	18.20	30.75	25.37	88.10	52.43	167.67	160.40	45.05	13.90	7.94	16.90	
24	11.90	18.20	36.65	25.37	60.80	54.10	130.50	138.10	45.05	13.90	7.94	16.00	
25	11.00	19.10	45.50	42.55	46.48	59.13	97.10	117.30	45.05	13.20	8.47	16.00	
26	10.25	27.52	35.18	50.91	40.77	88.10	77.70	100.70	43.63	12.50	13.20	16.00	
27	9.50	26.45	27.52	41.08	39.35	81.10	72.60	93.50	42.20	13.20	12.50	16.00	
28	10.25	22.15	22.15	36.65	42.20	62.48	65.82	93.50	40.77	13.90	11.80	15.30	
29	9.50	21.07	17.30	33.70	40.77	54.10	59.13	89.90	39.35	13.20		14.60	
30	9.50	29.68	14.60	33.70	42.20	55.77	52.43	88.10	39.35	13.90		13.20	
31		41.08		55.77	36.50		52.43		37.93	13.90		11.80	
TOTAL	176.04	597.09	926.89	822.29	1581.68	2984.26	2315.29	3650.35	1757.99	579.80	295.49	504.70	16191.87 CMSDAY
MEAN	5.87	19.26	30.90	26.53	51.02	99.48	74.69	121.68	56.71	18.70	10.55	16.28	44.36 CMS
MAX	14.60	50.91	45.50	55.77	130.50	327.60	205.65	278.75	84.50	35.35	14.60	19.60	327.60 CMS
MIN	0.50	7.25	14.60	10.25	24.10	26.15	25.00	43.63	37.93	12.50	7.41	11.80	0.50 CMS
RUNOFF	15.210	51.589	80.083	71.046	136.657	257.840	200.041	315.390	151.890	50.095	25.530	43.606	1398.978 MCM

MOMENTARY PEAK 332.80 CMS, AT 303.96 M (MSL), AT 19.00 HOURS, ON SEP 16, 1985

RUNOFF YIELD 6.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 52.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

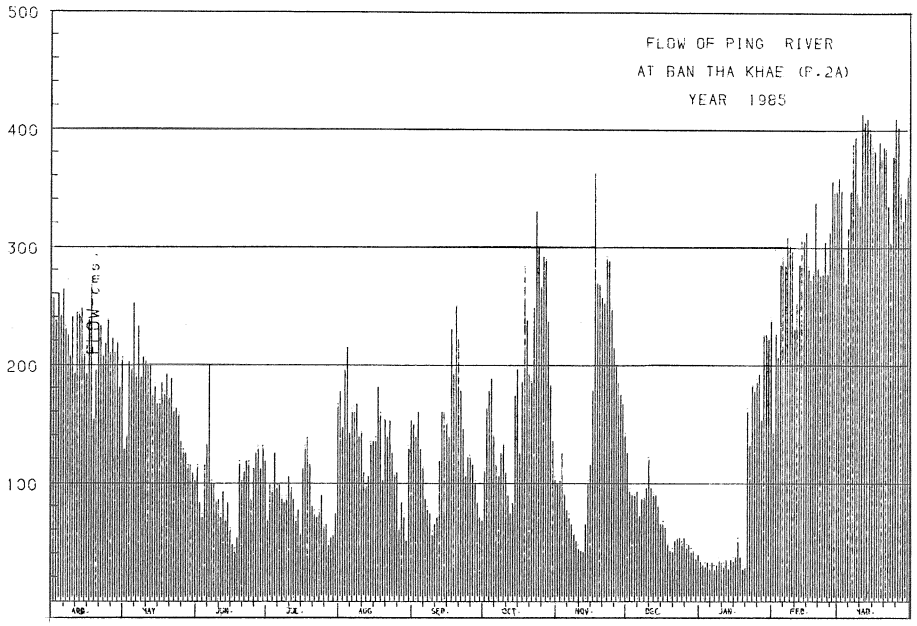
PING RIVER AT BAN THA KHAE, TAK (P.2A)

LOCATION	LAT. 16-52-10 N., LONG. 99-07-50 E., ON RIGHT BANK ABOUT 200 METERS DOWNSTREAM FROM KITTIKHACHON I BRIDGE, BAN THA KHAE. AMPHOE MUANG, TAK.
DRAINAGE AREA	38,862 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+104.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+115.321 M. (M.S.L.)
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 FLOAT	
RATED BY CURRENT METER	1952-1960, 1963-1967, 1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY PHUMIPHOL DAM RESERVOIR SINCE 1964. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 40,300 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 39 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	105.54	105.19	105.15	105.01	105.33	105.26	105.14	105.10	105.18	104.89	105.23	105.79	
2	105.50	105.23	105.05	105.10	105.25	105.22	105.29	105.12	105.09	104.86	105.47	105.77	
3	105.55	105.40	105.02	105.09	105.38	105.29	105.34	105.18	105.07	104.87	105.41	105.63	
4	105.51	105.39	105.15	105.18	105.44	105.19	105.36	105.08	105.08	104.87	105.62	105.58	
5	105.56	105.53	105.21	105.10	105.23	105.15	105.23	105.03	105.08	104.86	105.63	105.69	
6	105.48	105.37	105.39	105.10	105.29	105.06	105.15	105.02	105.02	104.87	105.62	105.77	
7	105.46	105.48	105.11	105.07	105.28	105.04	105.13	104.99	105.06	104.86	105.67	105.86	
8	105.42	105.37	105.10	105.05	105.31	105.02	105.18	104.97	105.07	104.86	105.66	105.88	
9	105.50	105.41	105.06	105.07	105.22	104.97	105.21	104.94	105.09	104.89	105.64	105.76	
10	105.38	105.41	105.06	105.12	105.24	104.99	105.13	104.93	105.17	104.87	105.48	105.74	
11	105.51	105.39	105.02	105.09	105.13	105.02	105.08	104.91	105.09	104.87	105.53	105.92	
12	105.51	105.40	105.08	105.06	105.10	105.16	105.02	104.92	105.08	104.88	105.62	105.91	
13	105.52	105.32	105.01	105.01	105.12	105.29	105.06	104.99	105.07	104.86	105.67	105.91	
14	105.42	105.35	105.05	105.03	105.21	105.28	105.32	105.11	105.05	104.88	105.67	105.89	
15	105.37	105.30	104.98	104.97	105.21	105.26	105.39	105.15	104.99	104.89	105.68	105.86	
16	105.50	105.31	104.93	105.14	105.22	105.22	105.18	105.34	105.00	104.89	105.61	105.85	
17	105.57	105.35	104.92	105.20	105.34	105.48	105.36	105.80	104.98	104.95	105.58	105.78	
18	105.27	105.33	104.95	105.22	105.28	105.37	105.61	105.58	104.94	104.89	105.60	105.87	
19	105.38	105.37	105.16	105.16	105.11	105.53	105.50	105.57	104.91	104.86	105.74	105.83	
20	105.49	105.32	105.11	105.04	105.27	105.45	105.37	105.55	104.92	104.85	105.61	105.86	
21	105.48	105.36	105.14	105.03	105.22	105.34	105.36	105.53	104.94	105.29	105.59	105.85	
22	105.42	105.29	105.16	105.01	105.27	105.24	105.52	105.63	104.96	105.20	105.60	105.74	
23	105.44	105.29	105.16	105.03	105.18	105.13	105.73	105.62	104.95	105.35	105.66	105.66	
24	105.50	105.28	105.06	105.07	105.13	105.17	105.65	105.52	104.94	105.33	105.60	105.84	
25	105.42	105.21	105.15	104.99	105.13	105.18	105.57	105.43	104.95	105.36	105.68	105.91	
26	105.46	105.19	105.18	104.99	104.98	105.15	105.63	105.40	104.93	105.37	105.79	105.90	
27	105.42	105.18	105.20	104.94	105.05	105.11	105.63	105.35	104.93	105.27	105.76	105.76	
28	105.45	105.15	105.14	104.95	105.02	105.05	105.49	105.33	104.92	105.46	105.77	105.71	
29	105.34	105.15	105.20	104.97	104.94	105.02	105.35	105.30	104.91	105.47		105.75	
30	105.41	105.14	105.16	105.02	105.20	105.00	105.21	105.23	104.90	105.45		105.80	
31		105.11		105.30	105.26		105.12		104.90	105.50		105.80	
MEAN	105.46	105.31	105.10	105.07	105.20	105.19	105.33	105.25	105.01	105.05	105.61	105.80	
MAX	105.57	105.53	105.39	105.30	105.44	105.53	105.73	105.80	105.18	105.50	105.79	105.92	105.92
MIN	105.27	105.11	104.92	104.94	104.94	104.97	105.02	104.91	104.90	104.85	105.23	105.58	104.85

ANNUAL MAX MOMENTARY GAGE HEIGHT 106.16 M (MSL), AT 10.00 HOURS, ON MAR 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 104.00 M (MSL), RIVER BED 102.08 M (MSL)
LEFT BANK ELEVATION 115.06 M (MSL)
RIGHT BANK ELEVATION 115.70 M (MSL), DRAINAGE AREA 38862 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	256.6	128.7	115.5	71.1	177.8	153.0	112.2	99.0	125.4	37.2	142.5	358.8	
2	241.0	142.5	83.5	99.0	149.5	139.0	163.5	105.6	95.9	30.5	229.6	350.4	
3	260.5	203.0	74.2	95.9	195.8	163.5	181.4	125.4	89.7	32.8	206.8	292.3	
4	244.9	199.4	115.5	125.4	218.2	128.7	188.6	92.8	92.8	32.8	288.2	272.2	
5	264.4	252.7	135.5	99.0	142.5	115.5	142.5	77.3	92.8	30.5	292.3	316.9	
6	233.4	192.2	199.4	99.0	163.5	86.6	115.5	74.2	74.2	32.8	288.2	350.4	
7	225.8	233.4	102.3	89.7	160.0	80.4	108.9	65.1	86.6	30.5	308.7	388.2	
8	210.6	192.2	99.0	83.5	170.6	74.2	125.4	59.5	89.7	30.5	304.6	396.6	
9	241.0	206.8	86.6	89.7	139.0	59.5	135.5	50.9	95.9	37.2	296.4	346.2	
10	195.8	206.8	86.6	105.6	146.0	65.1	108.9	48.0	122.1	32.8	233.4	337.8	
11	244.9	199.4	74.2	95.9	108.9	74.2	92.8	42.4	95.9	32.8	252.7	413.8	
12	244.9	203.0	92.8	86.6	99.0	118.8	74.2	45.2	92.8	35.0	288.2	409.4	
13	248.8	174.2	71.1	71.1	105.6	163.5	86.6	65.1	89.7	30.5	308.7	409.4	
14	210.6	185.0	83.5	77.3	135.5	160.0	174.2	102.3	83.5	35.0	308.7	400.8	
15	192.2	167.0	62.3	59.5	135.5	153.0	199.4	115.5	65.1	37.2	312.8	388.2	
16	241.0	170.6	48.0	112.2	139.0	139.0	125.4	181.4	68.0	37.2	284.1	384.0	
17	268.3	185.0	45.2	132.0	181.4	233.4	188.6	363.0	62.3	53.7	272.2	354.6	
18	156.5	177.8	53.7	139.0	160.0	192.2	284.1	272.2	50.9	37.2	280.0	392.4	
19	195.8	192.2	118.8	118.8	102.3	252.7	241.0	268.3	42.4	30.5	337.8	375.6	
20	237.2	174.2	102.3	80.4	156.5	222.0	192.2	260.5	45.2	28.2	284.1	388.2	
21	233.4	188.6	112.2	77.3	139.0	181.4	188.6	252.7	50.9	163.5	276.1	384.0	
22	210.6	163.5	118.8	71.1	156.5	146.0	248.8	292.3	56.6	132.0	280.0	337.8	
23	218.2	163.5	118.8	77.3	125.4	108.9	333.6	288.2	53.7	185.0	304.6	304.6	
24	241.0	160.0	86.6	89.7	108.9	122.1	300.5	248.8	50.9	177.8	280.0	379.8	
25	210.6	135.5	115.5	65.1	108.9	125.4	268.3	214.4	53.7	188.6	312.8	409.4	
26	225.8	128.7	125.4	65.1	62.3	115.5	292.3	203.0	48.0	192.2	358.8	405.0	
27	210.6	125.4	132.0	50.9	83.5	102.3	292.3	185.0	48.0	156.5	346.2	346.2	
28	222.0	115.5	112.2	53.7	74.2	83.5	237.2	177.8	45.2	225.8	350.4	325.2	
29	181.4	115.5	132.0	59.5	50.9	74.2	185.0	167.0	42.4	229.6		342.0	
30	206.8	112.2	118.8	74.2	132.0	68.0	135.5	142.5	39.5	222.0		363.0	
31		102.3		167.0	153.0		105.6		39.5	241.0		363.0	
TOTAL	6774.6	5296.8	3022.3	2781.6	4181.2	3901.6	5628.6	4685.4	2189.3	2798.9	8028.9	11286.2	60575.4 CMSDAY
MEAN	225.8	170.9	100.7	89.7	134.9	130.1	181.6	156.2	70.6	90.3	286.7	364.1	166.0 CMS
MAX	268.3	252.7	199.4	167.0	218.2	252.7	333.6	363.0	125.4	241.0	358.8	413.8	413.8 CMS
MIN	156.5	102.3	45.2	50.9	50.9	59.5	74.2	42.4	39.5	28.2	142.5	272.2	28.2 CMS
RUNOFF	585.33	457.64	261.13	240.33	361.26	337.10	486.31	404.82	189.16	241.82	693.70	975.13	5233.71 MCM

MOMENTARY PEAK 519.40 CMS, AT 106.16 M (MSL), AT 10.00 HOURS, ON MAR 11, 1985

RUNOFF YIELD 4.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 13.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

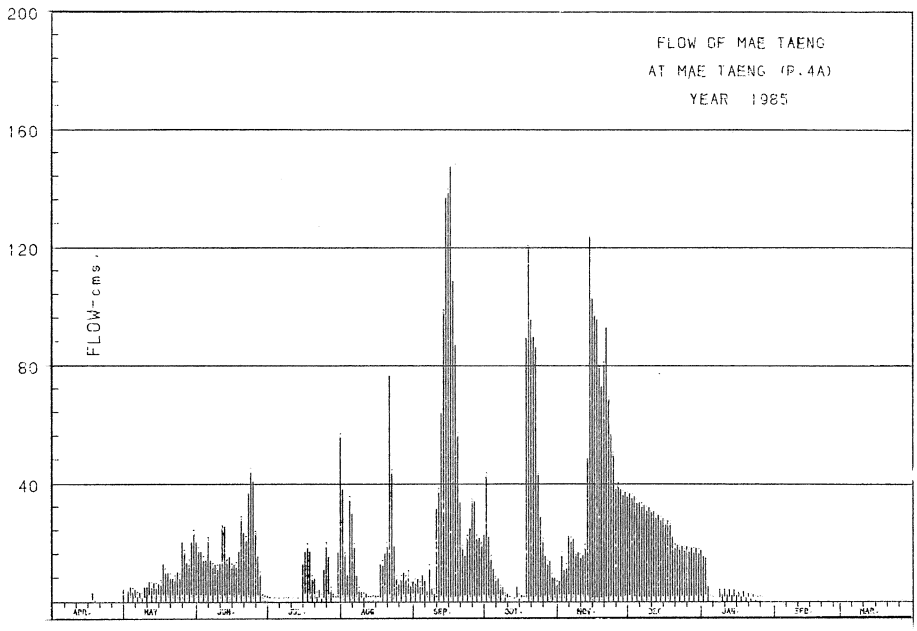
MAE TAENG RIVER AT MAE TAENG, CHIANG MAI (P.4A)

LOCATION	LAT. 19-07-15 N., LONG. 98-56-51 E., ON RIGHT BANK AT THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE TAENG, CHIANG MAI.
DRAINAGE AREA	1,902 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+333.745 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF AMPHOE MAE TAENG OFFICE.
ELEVATION	+338.736 M. (M.S.L.)
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 FLOAT	-
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. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 23,700 HECTARES AT MAE TAENG WIER. STAGE-DISCHARGE RELATION DEFINED BY 39 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	334.72	334.95	335.79	335.01	336.29	335.39	336.41	335.34	336.26	335.74	334.95	334.88	
2	334.71	335.24	335.74	335.00	335.73	335.38	335.89	335.74	336.26	335.67	334.93	334.88	
3	334.71	335.24	335.69	335.00	335.44	335.34	335.70	335.51	336.24	335.33	334.94	334.86	
4	334.70	335.22	335.64	335.00	336.24	335.44	335.53	335.60	336.22	335.05	334.97	334.86	
5	334.70	335.19	335.89	334.99	336.10	335.44	335.42	335.90	336.19	335.02	334.93	334.85	
6	334.70	335.14	335.64	334.99	335.83	335.14	335.39	335.89	336.19	334.99	334.91	334.85	
7	334.70	335.12	335.61	334.99	335.43	335.59	335.28	335.87	336.17	334.97	334.90	334.84	
8	334.70	335.12	335.59	335.00	335.24	335.20	335.23	335.74	336.16	335.19	334.93	334.83	
9	334.71	335.23	335.59	335.00	335.13	335.21	335.11	335.73	336.15	335.19	334.91	334.83	
10	334.69	335.34	335.60	334.99	335.12	336.14	335.08	335.72	336.15	335.19	334.90	334.82	
11	334.68	335.34	336.00	334.99	335.09	336.30	335.03	335.70	336.12	335.19	334.87	334.82	
12	334.71	335.33	335.99	334.99	335.03	336.79	334.99	335.82	336.10	335.18	334.87	334.82	
13	334.73	335.32	335.65	334.99	335.03	337.20	334.97	336.50	336.09	335.18	334.87	334.82	
14	334.73	335.32	335.68	334.94	335.05	337.59	335.24	337.47	336.08	335.18	334.87	334.81	
15	334.73	335.30	335.60	335.64	335.04	337.62	335.09	337.24	336.06	335.17	334.86	334.81	
16	334.74	335.37	335.59	335.74	335.04	337.69	335.05	337.19	336.04	335.14	334.86	334.81	
17	335.11	335.60	335.62	335.83	335.59	337.32	335.03	337.16	336.04	335.14	334.86	334.82	
18	334.84	335.54	335.74	335.74	335.64	337.06	337.09	336.98	336.04	335.14	334.86	334.82	
19	334.84	335.48	336.08	335.44	335.72	336.69	337.43	336.88	335.89	335.12	334.87	334.83	
20	334.82	335.47	335.93	335.39	335.84	336.19	337.16	336.99	335.82	335.09	334.87	334.85	
21	334.82	335.39	335.90	335.14	336.93	335.81	337.11	337.13	335.81	335.09	334.86	334.87	
22	334.79	335.44	336.26	335.18	336.43	335.69	337.05	336.83	335.81	335.06	334.86	334.87	
23	334.77	335.49	336.44	335.09	335.80	335.91	336.42	336.67	335.80	335.05	334.85	334.88	
24	334.78	335.47	336.35	335.52	335.44	335.97	336.07	336.54	335.80	335.02	334.85	334.88	
25	334.77	335.84	335.95	335.84	335.29	336.22	335.88	336.29	335.80	335.02	334.86	334.87	
26	334.75	335.76	335.69	335.68	335.44	336.20	335.69	336.34	335.79	335.01	334.87	334.87	
27	334.75	335.61	335.50	335.24	335.48	335.91	335.64	336.29	335.78	335.00	334.89	334.85	
28	334.75	335.65	335.09	335.09	335.44	335.88	335.63	336.28	335.78	335.00	334.89	334.84	
29	334.75	335.84	335.05	335.02	335.58	335.84	335.47	336.27	335.78	334.99		334.82	
30	335.25	335.96	335.04	335.73	335.34	335.91	335.40	336.27	335.77	334.99		334.82	
31		335.84		336.68	335.34		335.35		335.76	334.97		334.82	
MEAN	334.77	335.42	335.73	335.29	335.55	336.14	335.74	336.33	336.00	335.13	334.89	334.84	
MAX	335.25	335.96	336.44	336.68	336.93	337.69	337.43	337.47	336.26	335.74	334.97	334.88	337.69
MIN	334.68	334.95	335.04	334.94	335.03	335.14	334.97	335.34	335.76	334.97	334.85	334.81	334.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 337.74 M (MSL), AT 6.00 HOURS, ON SEP 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 333.74 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION 340.06 M (MSL)
RIGHT BANK ELEVATION 340.06 M (MSL), DRAINAGE AREA 1902 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	1.10	18.49	1.63	38.05	7.89	43.78	6.84	36.70	16.97	1.10	0.61	
2	0.13	5.01	16.97	1.50	16.66	7.68	21.90	16.97	36.70	14.89	0.94	0.61	
3	0.13	5.01	15.46	1.50	8.98	6.84	15.75	10.56	35.80	6.63	1.02	0.52	
4	0.12	4.68	14.04	1.50	35.80	8.98	11.08	12.90	34.90	2.15	1.26	0.52	
5	0.12	4.19	21.90	1.42	29.80	8.98	8.54	22.25	33.58	1.76	0.94	0.47	
6	0.12	3.42	14.04	1.42	19.83	3.42	7.89	21.90	33.58	1.42	0.78	0.47	
7	0.12	3.11	13.18	1.42	8.76	12.64	5.67	21.22	32.74	1.26	0.70	0.42	
8	0.12	3.11	12.64	1.50	5.01	4.35	4.84	16.97	32.32	4.19	0.94	0.38	
9	0.13	4.84	12.64	1.50	3.26	4.51	2.95	16.66	31.90	4.19	0.78	0.38	
10	0.11	6.84	12.90	1.42	3.11	31.48	2.54	16.36	31.90	4.19	0.70	0.33	
11	0.10	6.84	25.90	1.42	2.67	38.50	1.89	15.75	30.64	4.19	0.56	0.33	
12	0.13	6.63	25.53	1.42	1.89	63.87	1.42	19.49	29.80	4.04	0.56	0.33	
13	0.16	6.42	14.32	1.42	1.89	99.00	1.26	48.50	29.41	4.04	0.56	0.33	
14	0.16	6.42	15.18	1.02	2.15	136.75	5.01	124.75	29.02	4.04	0.56	0.29	
15	0.16	6.00	12.90	14.04	2.02	139.90	2.67	102.60	28.24	3.88	0.52	0.29	
16	0.17	7.47	12.64	16.97	2.02	147.42	2.15	98.12	27.46	3.42	0.52	0.29	
17	2.95	12.90	13.47	19.83	12.64	109.95	1.89	95.50	27.46	3.42	0.52	0.33	
18	0.42	11.34	16.97	16.97	14.04	86.95	89.42	80.45	27.46	3.42	0.52	0.33	
19	0.42	9.86	29.02	8.98	16.36	57.38	120.75	72.85	21.90	3.11	0.56	0.38	
20	0.33	9.64	23.34	7.89	20.18	33.58	95.50	81.22	19.49	2.67	0.56	0.47	
21	0.33	7.89	22.25	3.42	76.57	19.15	91.12	92.87	19.15	2.67	0.52	0.56	
22	0.23	8.98	36.70	4.04	44.82	15.46	86.12	69.35	19.15	2.28	0.52	0.56	
23	0.20	10.08	45.35	2.67	18.80	22.62	44.30	56.68	18.80	2.15	0.47	0.61	
24	0.22	9.64	40.87	10.82	8.98	24.81	28.63	50.80	18.80	1.76	0.47	0.61	
25	0.20	20.18	24.07	20.18	5.83	34.90	21.56	38.05	18.80	1.76	0.52	0.56	
26	0.18	17.58	15.46	15.18	8.98	34.00	15.46	40.40	18.49	1.63	0.56	0.56	
27	0.18	13.18	10.30	5.01	9.86	22.62	14.04	38.05	18.19	1.50	0.65	0.47	
28	0.18	14.32	2.67	2.67	8.98	21.56	13.75	37.60	18.19	1.50	0.65	0.42	
29	0.18	20.18	2.15	1.76	12.38	20.18	9.64	37.15	18.19	1.42		0.33	
30	5.18	24.44	2.02	16.66	6.84	22.62	8.10	37.15	17.88	1.42		0.33	
31		20.18		57.03	6.84		7.05		17.58	1.26		0.33	
TOTAL	13.32	291.48	543.37	244.21	454.00	1247.99	786.67	1399.96	814.22	113.23	18.96	13.42	5940.83 CMSDAY
MEAN	0.44	9.40	18.11	7.88	14.65	41.60	25.38	46.67	26.27	3.65	0.68	0.43	16.28 CMS
MAX	5.18	24.44	45.35	57.03	76.57	147.42	120.75	124.75	36.70	16.97	1.26	0.61	147.42 CMS
MIN	0.10	1.10	2.02	1.02	1.89	3.42	1.26	6.84	17.58	1.26	0.47	0.29	0.10 CMS
RUNOFF	1.151	25.184	46.947	21.100	39.226	107.826	67.968	120.957	70.349	9.783	1.638	1.159	513.288 MCM

MOMENTARY PEAK 152.80 CMS, AT 337.74 M (MSL), AT 6.00 HOURS, ON SEP 16, 1985
RUNOFF YIELD 8.56 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 80.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

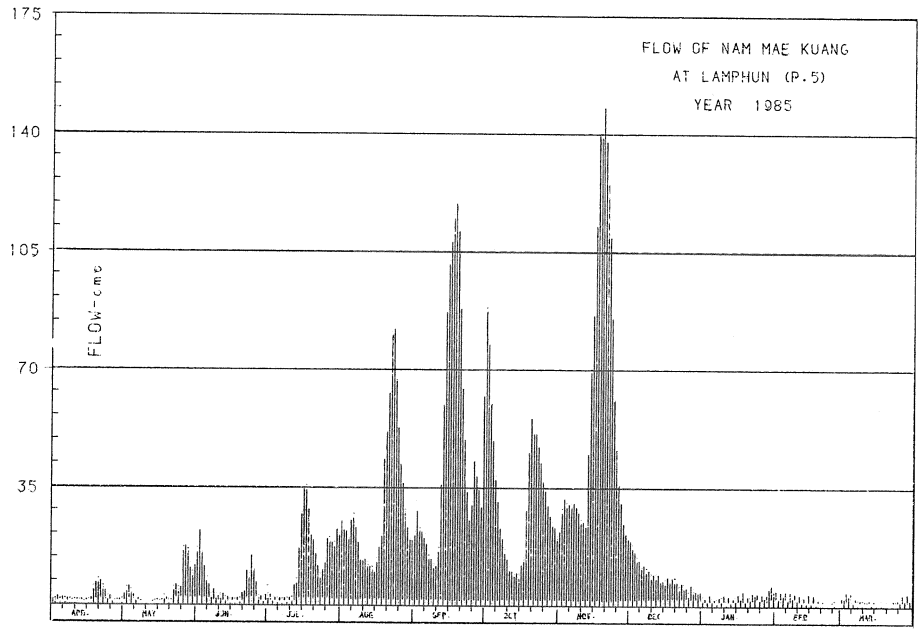
NAM MAE KUANG AT LAMPHUN LAMPHUN (P.5)

LOCATION	LAT. 18-34-32 N., LONG. 99-00-44 E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THA SING PHITAK BRIDGE, AMPHOE MUANG, LAMPHUN.
DRAINAGE AREA	1,569 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+288.50 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+295.680 M. (M.S.L.)
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	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 9,600 HECTARES AT MAE KUANG WEIR. STAGE-DISCHARGE RELATION DEFINED BY 46 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	289.22	289.34	290.09	289.36	290.43	290.31	292.61	290.30	290.18	289.32	289.42	289.28	
2	289.24	289.48	290.31	289.34	290.38	290.55	292.27	290.58	290.14	289.26	289.37	289.38	
3	289.29	289.49	290.06	289.30	290.31	290.35	291.72	290.69	290.03	289.30	289.40	289.40	
4	289.23	289.44	289.82	289.27	290.26	290.30	291.32	290.65	289.96	289.34	289.43	289.43	
5	289.26	289.32	289.65	289.27	290.44	290.28	290.95	290.63	289.91	289.31	289.41	289.39	
6	289.25	289.29	289.52	289.26	290.52	290.14	290.66	290.64	289.86	289.24	289.34	289.30	
7	289.23	289.24	289.36	289.25	290.35	289.99	290.39	290.64	289.84	289.26	289.40	289.28	
8	289.23	289.17	289.43	289.26	290.22	289.93	290.21	290.65	289.80	289.29	289.39	289.24	
9	289.20	289.15	289.36	289.27	289.91	289.86	290.07	290.53	289.76	289.31	289.37	289.23	
10	289.22	289.12	289.30	289.27	289.98	289.83	289.93	290.45	289.71	289.34	289.34	289.24	
11	289.22	289.12	289.35	289.30	289.93	290.10	289.82	290.42	289.70	289.22	289.34	289.21	
12	289.21	289.10	289.35	289.51	289.89	290.85	289.75	290.42	289.71	289.31	289.29	289.20	
13	289.22	289.16	289.30	289.63	289.82	291.72	289.75	291.18	289.70	289.28	289.29	289.23	
14	289.16	289.19	289.28	290.08	289.82	292.57	289.72	292.04	289.66	289.26	289.29	289.25	
15	289.21	289.21	289.24	290.57	289.73	293.02	289.71	292.54	289.60	289.32	289.36	289.21	
16	289.22	289.18	289.25	290.83	289.95	293.17	289.84	293.31	289.62	289.35	289.27	289.23	
17	289.25	289.21	289.24	290.85	290.10	293.36	289.97	293.79	289.66	289.37	289.34	289.19	
18	289.50	289.33	289.25	290.57	290.31	293.43	290.56	293.80	289.66	289.41	289.23	289.23	
19	289.55	289.25	289.27	290.31	291.13	293.28	291.24	293.91	289.64	289.32	289.23	289.19	
20	289.62	289.23	289.37	290.19	291.45	292.60	291.55	293.78	289.65	289.31	289.15	289.21	
21	289.58	289.21	289.49	290.07	291.80	291.88	291.43	293.55	289.57	289.35	289.20	289.18	
22	289.50	289.49	289.75	289.83	292.39	291.33	291.39	293.23	289.51	289.38	289.17	289.21	
23	289.41	289.52	289.71	289.71	292.41	290.81	291.30	292.51	289.55	289.44	289.16	289.22	
24	289.32	289.48	289.98	289.77	291.96	290.44	291.09	291.76	289.54	289.37	289.13	289.21	
25	289.30	289.47	289.81	289.94	291.45	290.67	290.93	291.23	289.47	289.34	289.18	289.23	
26	289.28	290.10	289.56	290.21	291.12	291.11	290.78	290.88	289.41	289.35	289.23	289.32	
27	289.20	290.11	289.32	290.23	290.87	290.99	290.66	290.64	289.52	289.38	289.17	289.35	
28	289.21	290.07	289.30	290.16	290.57	290.79	290.49	290.45	289.47	289.34	289.20	289.35	
29	289.22	289.79	289.29	290.17	290.35	290.64	290.42	290.27	289.41	289.54		289.37	
30	289.24	289.74	289.33	290.33	290.25	291.77	290.35	290.27	289.47	289.51		289.35	
31		289.83		290.32	290.19		290.25		289.40	289.51		289.32	
MEAN	289.29	289.41	289.51	289.85	290.59	291.20	290.68	291.52	289.68	289.34	289.29	289.27	
MAX	289.62	290.11	290.31	290.85	292.41	293.43	292.61	293.91	290.18	289.54	289.43	289.43	293.91
MIN	289.16	289.10	289.24	289.25	289.73	289.83	289.71	290.27	289.40	289.22	289.13	289.18	289.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 293.91 M (MSL), AT 9.00 HOURS, ON NOV 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 288.50 M (MSL), RIVER BED 288.47 M (MSL)
LEFT BANK ELEVATION 295.87 M (MSL)
RIGHT BANK ELEVATION 294.60 M (MSL), DRAINAGE AREA 1569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.62	3.10	17.03	3.40	24.95	22.00	88.22	21.75	19.05	2.80	4.34	2.28	
2	1.84	5.36	22.00	3.10	23.71	27.95	77.34	28.70	18.15	2.06	3.55	3.70	
3	2.39	5.53	16.39	2.50	22.00	22.98	60.50	31.54	15.74	2.50	4.00	4.00	
4	1.73	4.68	11.50	2.17	20.85	21.75	48.78	30.50	14.30	3.10	4.51	4.51	
5	2.06	2.80	8.30	2.17	25.20	21.30	38.38	29.98	13.30	2.65	4.17	3.85	
6	1.95	2.39	6.04	2.06	27.20	18.15	30.76	30.24	12.30	1.84	3.10	2.50	
7	1.73	1.84	3.40	1.95	22.98	14.90	23.96	30.24	11.90	2.06	4.00	2.28	
8	1.73	1.13	4.51	2.06	19.95	13.70	19.72	30.50	11.10	2.39	3.85	1.84	
9	1.40	0.95	3.40	2.17	13.30	12.30	16.61	27.45	10.34	2.65	3.55	1.73	
10	1.62	0.68	2.50	2.17	14.70	11.70	13.70	25.45	9.39	3.10	3.10	1.84	
11	1.62	0.68	3.25	2.50	13.70	17.25	11.50	24.70	9.20	1.62	3.10	1.51	
12	1.51	0.50	3.25	5.87	12.90	35.70	10.15	24.70	9.39	2.65	2.39	1.40	
13	1.62	1.04	2.50	7.94	11.50	60.50	10.15	44.74	9.20	2.28	2.39	1.73	
14	1.04	1.31	2.28	16.82	11.50	86.94	9.58	70.14	8.48	2.06	2.39	1.95	
15	1.51	1.51	1.84	28.45	9.77	102.20	9.39	85.98	7.40	2.80	3.40	1.51	
16	1.62	1.22	1.95	35.18	14.10	107.80	11.90	113.48	7.76	3.25	2.17	1.73	
17	1.95	1.51	1.84	35.70	17.25	115.85	14.50	139.38	8.48	3.55	3.10	1.31	
18	5.70	2.95	1.95	28.45	22.00	119.17	28.20	140.00	8.48	4.17	1.73	1.73	
19	6.55	1.95	2.17	22.00	43.34	112.20	46.46	147.70	8.12	2.80	1.73	1.31	
20	7.76	1.73	3.55	19.28	52.55	87.90	55.45	138.75	8.30	2.65	0.95	1.51	
21	7.06	1.51	5.53	16.61	62.90	65.30	51.97	125.12	6.89	3.25	1.40	1.22	
22	5.70	5.53	10.15	11.70	81.18	49.07	50.81	110.20	5.87	3.70	1.13	1.51	
23	4.17	6.04	9.39	9.39	81.82	34.66	48.20	85.02	6.55	4.68	1.04	1.62	
24	2.80	5.36	14.70	10.53	67.70	25.20	42.22	61.70	6.38	3.55	0.77	1.51	
25	2.50	5.19	11.30	13.90	52.55	31.02	37.82	46.17	5.19	3.10	1.22	1.73	
26	2.28	17.25	6.72	19.72	43.06	42.78	33.88	36.48	4.17	3.25	1.73	2.80	
27	1.40	17.47	2.80	20.18	36.22	39.47	30.76	30.24	6.04	3.70	1.13	3.25	
28	1.51	16.61	2.50	18.60	28.45	34.14	26.45	25.45	5.19	3.10	1.40	3.25	
29	1.62	10.91	2.39	18.83	22.98	30.24	24.70	21.07	4.17	6.38		3.55	
30	1.84	9.96	2.95	22.48	20.63	62.00	22.98	21.07	5.19	5.87		3.25	
31		11.70		22.24	19.28		20.63		4.00	5.87		2.80	
TOTAL	79.83	150.39	188.08	410.12	940.22	1446.12	1015.67	1778.44	280.02	99.43	71.34	70.71	6530.37 CMSDAY
MEAN	2.66	4.85	6.27	13.23	30.33	48.20	32.76	59.28	9.03	3.21	2.55	2.28	17.89 CMS
MAX	7.76	17.47	22.00	35.70	81.82	119.17	88.22	147.70	19.05	6.38	4.51	4.51	147.70 CMS
MIN	1.04	0.50	1.84	1.95	9.77	11.70	9.39	21.07	4.00	1.62	0.77	1.22	0.50 CMS
RUNOFF	6.897	12.994	16.250	35.434	81.235	124.945	87.754	153.657	24.194	8.591	6.164	6.109	564.224 MCM

MOMENTARY PEAK 147.70 CMS, AT 293.91 M (MSL), AT 9.00 HOURS, ON NOV 19, 1985
RUNOFF YIELD 11.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 94.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

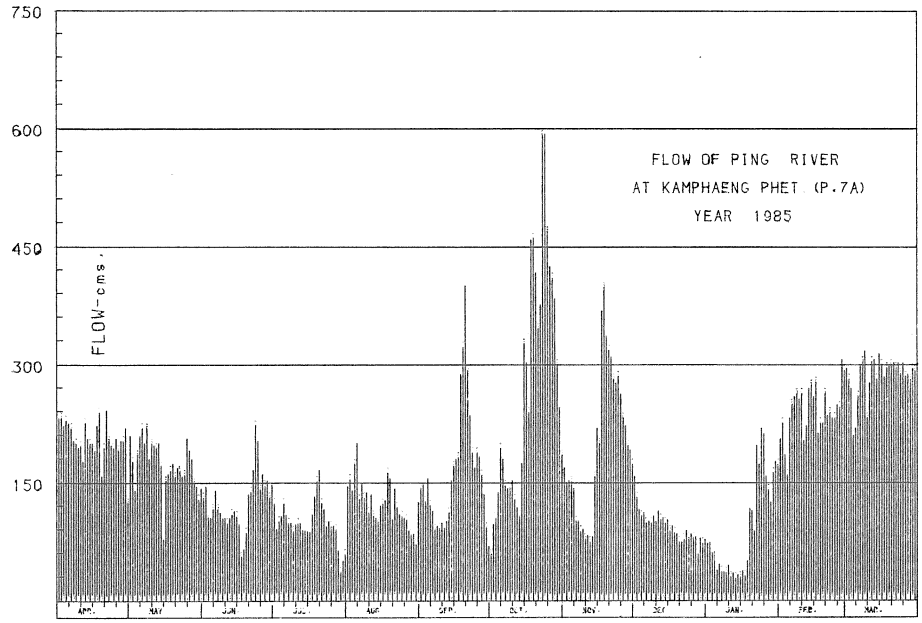
PING RIVER AT KAMPHAENG PHET, KAMPHAENG PHET (P.7A)

LOCATION	LAT. 16-28-38 N., LONG. 99-31-06 E., ON RIGHT BANK ABOUT 100 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AT BAN NAKHON CHUM, AMPHOE MUANG, KAMPHAENG PHET.
DRAINAGE AREA	42,704 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+72.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+77.717 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1960-1961, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW COMPLETELY REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION ABOUT 40,300 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	73.88	73.81	73.55	73.52	73.58	73.60	73.20	73.67	73.63	73.28	73.80	74.06	
2	73.90	73.72	73.58	73.34	73.64	73.59	73.37	73.62	73.55	73.25	73.88	74.04	
3	73.85	73.56	73.44	73.42	73.56	73.53	73.44	73.61	73.46	73.21	73.73	73.99	
4	73.89	73.75	73.41	73.42	73.71	73.62	73.55	73.63	73.45	73.18	73.66	73.83	
5	73.86	73.81	73.49	73.52	73.78	73.51	73.78	73.57	73.44	73.07	73.88	73.84	
6	73.86	73.86	73.56	73.43	73.54	73.45	73.71	73.42	73.41	73.08	73.95	73.98	
7	73.79	73.78	73.49	73.41	73.60	73.37	73.61	73.39	73.39	73.06	73.96	74.07	
8	73.80	73.86	73.44	73.38	73.55	73.36	73.57	73.36	73.41	73.01	73.99	74.10	
9	73.76	73.71	73.44	73.36	73.55	73.38	73.60	73.34	73.42	73.05	73.95	74.12	
10	73.79	73.80	73.41	73.37	73.47	73.38	73.61	73.31	73.42	73.07	73.99	73.90	
11	73.70	73.77	73.41	73.41	73.54	73.38	73.54	73.30	73.45	73.01	73.79	74.01	
12	73.88	73.78	73.41	73.38	73.45	73.39	73.47	73.29	73.43	73.00	73.87	74.10	
13	73.80	73.78	73.46	73.37	73.41	73.47	73.45	73.29	73.41	73.00	73.99	74.09	
14	73.80	73.70	73.45	73.33	73.42	73.61	73.69	73.65	73.41	72.98	74.02	74.04	
15	73.78	73.27	73.45	73.36	73.48	73.70	74.16	73.84	73.40	73.01	73.96	74.11	
16	73.77	73.63	73.37	73.32	73.52	73.71	74.08	73.80	73.36	73.02	74.03	74.09	
17	73.85	73.64	73.18	73.46	73.51	73.74	73.92	74.25	73.36	73.02	73.82	74.03	
18	73.92	73.68	73.20	73.53	73.67	74.04	74.47	74.34	73.35	73.11	73.88	74.08	
19	73.63	73.69	73.35	73.63	73.62	74.15	74.49	74.17	73.31	73.49	73.86	74.07	
20	73.78	73.65	73.54	73.66	73.43	74.33	74.37	74.14	73.29	73.45	73.99	74.09	
21	73.91	73.67	73.58	73.52	73.57	74.07	74.21	74.10	73.25	73.36	73.89	74.08	
22	73.81	73.68	73.66	73.46	73.50	73.89	74.27	74.04	73.31	73.77	73.92	74.08	
23	73.77	73.63	73.87	73.39	73.43	73.76	74.79	74.01	73.33	73.71	73.88	74.08	
24	73.78	73.66	73.79	73.39	73.45	73.67	74.78	74.05	73.32	73.84	73.90	74.06	
25	73.80	73.80	73.59	73.39	73.41	73.76	74.51	73.97	73.31	73.84	73.93	74.08	
26	73.77	73.77	73.64	73.36	73.43	73.72	74.39	73.90	73.32	73.63	73.94	74.05	
27	73.79	73.71	73.61	73.37	73.33	73.66	74.37	73.85	73.29	73.59	74.09	74.04	
28	73.81	73.62	73.61	73.19	73.34	73.54	74.29	73.79	73.20	73.50	74.07	74.04	
29	73.84	73.58	73.55	73.05	73.31	73.38	74.09	73.75	73.28	73.67		74.06	
30	73.52	73.54	73.59	73.11	73.27	73.22	73.92	73.71	73.28	73.70		74.07	
31		73.57		73.20	73.50		73.75		73.27	73.71		74.04	
MEAN	73.80	73.69	73.50	73.39	73.50	73.63	73.95	73.74	73.37	73.31	73.92	74.04	
MAX	73.92	73.86	73.87	73.66	73.78	74.33	74.79	74.34	73.63	73.84	74.09	74.12	74.79
MIN	73.52	73.27	73.18	73.05	73.27	73.22	73.20	73.29	73.20	72.98	73.66	73.83	72.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 74.89 M (MSL), AT 14.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 72.00 M (MSL), RIVER BED 70.23 M (MSL)
LEFT BANK ELEVATION 82.91 M (MSL)
RIGHT BANK ELEVATION 81.96 M (MSL), DRAINAGE AREA 42704 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	232.00	209.25	137.50	130.00	145.00	150.00	65.50	168.90	158.10	79.50	206.00	295.20	
2	238.50	182.80	145.00	91.00	160.80	147.50	97.00	155.40	137.50	74.25	232.00	287.80	
3	222.25	140.00	111.80	107.40	140.00	132.50	111.80	152.70	116.20	67.25	185.70	269.55	
4	235.25	191.50	105.20	107.40	179.90	155.40	137.50	158.10	114.00	62.20	166.20	215.75	
5	225.50	209.25	122.80	130.00	200.20	127.50	200.20	142.50	111.80	44.80	232.00	219.00	
6	225.50	225.50	140.00	109.60	135.00	114.00	179.90	107.40	105.20	46.20	255.75	266.10	
7	203.10	200.20	122.80	105.20	150.00	97.00	152.70	101.00	101.00	43.40	259.20	298.90	
8	206.00	225.50	111.80	99.00	137.50	95.00	142.50	95.00	105.20	36.40	269.55	310.00	
9	194.40	179.90	111.80	95.00	137.50	99.00	150.00	91.00	107.40	42.00	255.75	317.60	
10	203.10	206.00	105.20	97.00	118.40	99.00	152.70	85.00	107.40	44.80	269.55	238.50	
11	177.00	197.30	105.20	105.20	135.00	99.00	135.00	83.00	114.00	36.40	203.10	276.70	
12	232.00	200.20	105.20	99.00	114.00	101.00	118.40	81.25	109.60	35.00	228.75	310.00	
13	206.00	200.20	116.20	97.00	105.20	118.40	114.00	81.25	105.20	35.00	269.55	306.30	
14	206.00	177.00	114.00	89.00	107.40	152.70	174.30	163.50	105.20	32.40	280.40	287.80	
15	200.20	77.75	114.00	95.00	120.60	177.00	332.80	219.00	103.00	36.40	259.20	313.80	
16	197.30	158.10	97.00	87.00	130.00	179.90	302.60	206.00	95.00	37.80	284.10	306.30	
17	222.25	160.80	62.20	116.20	127.50	188.60	245.40	368.00	95.00	37.80	212.50	284.10	
18	245.40	171.60	65.50	132.50	168.90	287.80	458.40	404.40	93.00	50.65	232.00	302.60	
19	158.10	174.30	93.00	158.10	155.40	329.00	466.80	336.60	85.00	122.80	225.50	298.90	
20	200.20	163.50	135.00	166.20	109.60	400.30	416.70	325.20	81.25	114.00	269.55	306.30	
21	241.95	168.90	145.00	130.00	142.50	298.90	352.00	310.00	74.25	95.00	235.25	302.60	
22	209.25	171.60	166.20	116.20	125.00	235.25	376.00	287.80	85.00	197.30	245.40	302.60	
23	197.30	158.10	228.75	101.00	109.60	194.40	597.60	276.70	89.00	179.90	232.00	302.60	
24	200.20	166.20	203.10	101.00	114.00	168.90	593.20	291.50	87.00	219.00	238.50	295.20	
25	206.00	206.00	147.50	101.00	105.20	194.40	475.30	262.65	85.00	219.00	248.85	302.60	
26	197.30	197.30	160.80	95.00	109.60	182.80	424.90	238.50	87.00	158.10	252.30	291.50	
27	203.10	179.90	152.70	97.00	89.00	166.20	416.70	222.25	81.25	147.50	306.30	287.80	
28	209.25	155.40	152.70	63.85	91.00	135.00	384.00	203.10	65.50	125.00	298.90	287.80	
29	219.00	145.00	137.50	42.00	85.00	99.00	306.30	191.50	79.50	168.90		295.20	
30	130.00	135.00	147.50	50.65	77.75	69.00	245.40	179.90	79.50	177.00		298.90	
31		142.50		65.50	125.00		191.50		77.75	179.90		287.80	
TOTAL	6243.40	5476.55	3862.95	3180.00	3951.55	4994.45	8517.10	5989.10	3040.80	2945.65	6853.85	8965.80	64021.20 CMSDAY
MEAN	208.11	176.66	128.76	102.58	127.47	166.48	274.75	199.64	98.09	95.02	244.78	289.22	175.40 CMS
MAX	245.40	225.50	228.75	166.20	200.20	400.30	597.60	404.40	158.10	219.00	306.30	317.60	597.60 CMS
MIN	130.00	77.75	62.20	42.00	77.75	69.00	65.50	81.25	65.50	32.40	166.20	215.75	32.40 CMS
RUNOFF	539.430	473.174	333.759	274.752	341.414	431.520	735.878	517.458	262.725	254.504	592.173	774.645	5531.432 MCM

MOMENTARY PEAK 643.40 CMS, AT 74.89 M (MSL), AT 14.00 HOURS, ON OCT 23, 1985

RUNOFF YIELD 4.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 15.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

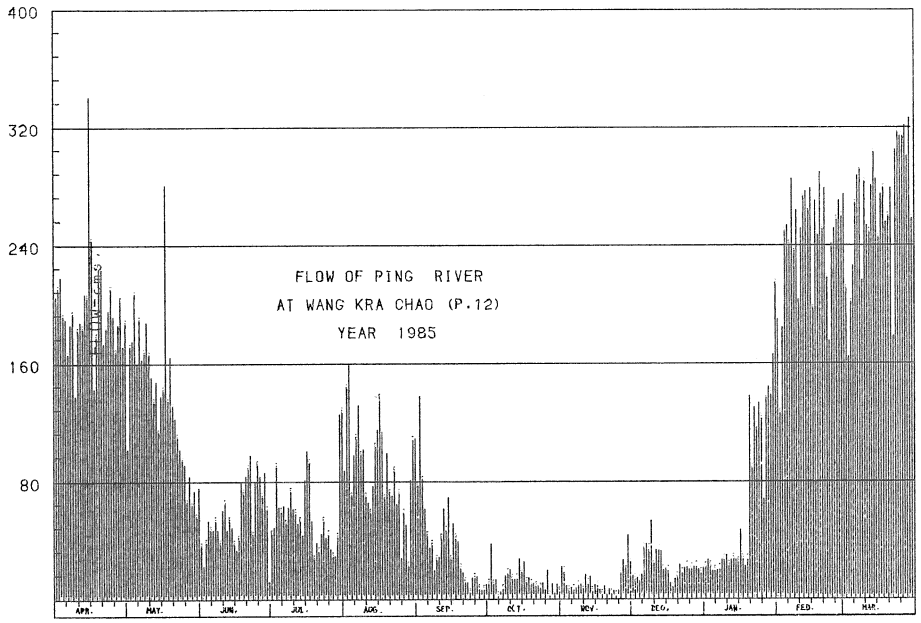
PING RIVER AT WANG KRA CHAO, TAK (P.12)

LOCATION	LAT. 17-14-30 N., LONG. 99-00-45 E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM PHUMIPHOL DAM RESERVOIR, AT WANG KRA CHAO, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	26,396 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+133.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 25 METERS NORTH OF AUTOMATIC GAGE BUILDING.
ELEVATION	+143.825 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1952 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION ABOUT 28,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.61	133.99	133.41	133.51	133.88	133.82	132.99	133.16	133.04	133.21	134.53	134.95	
2	134.65	134.44	133.17	133.53	134.28	134.23	133.40	133.16	133.06	133.24	134.17	134.65	
3	134.68	134.45	133.44	133.92	134.36	133.85	132.97	132.85	133.01	133.22	134.50	134.39	
4	134.55	134.63	133.58	133.67	133.76	133.66	132.98	132.84	133.04	133.11	134.84	134.60	
5	134.53	134.36	133.54	133.67	133.96	133.50	132.70	132.81	133.06	133.17	134.85	134.72	
6	134.41	134.54	133.51	133.68	134.06	133.36	132.68	132.87	133.40	133.12	134.80	134.93	
7	134.51	134.38	133.61	133.59	134.19	133.43	132.88	132.79	133.40	133.19	135.00	135.01	
8	134.56	134.42	133.51	133.67	133.98	133.12	133.04	132.95	133.39	133.24	134.78	135.04	
9	134.23	134.52	133.43	133.79	133.99	133.29	133.14	132.88	133.58	133.29	134.90	134.67	
10	134.50	134.41	133.65	133.66	133.76	133.27	133.13	132.90	133.25	133.29	134.61	135.00	
11	134.52	134.31	133.72	133.66	133.70	133.48	133.06	133.06	133.34	133.22	134.84	134.85	
12	134.51	134.22	133.51	133.56	133.66	133.66	132.98	132.99	133.39	133.24	134.95	134.84	
13	134.62	134.29	133.61	133.61	133.80	133.54	133.07	133.03	133.33	133.30	134.96	134.98	
14	134.62	134.08	133.53	133.47	134.02	133.73	133.25	132.83	133.18	133.24	134.91	135.09	
15	135.24	134.23	133.43	133.83	134.08	133.29	133.15	132.87	133.14	133.26	134.97	135.00	
16	134.81	134.27	133.34	133.98	134.24	133.56	133.22	132.95	133.17	133.51	134.58	134.82	
17	134.26	134.98	133.47	133.94	134.07	133.48	133.01	132.75	132.91	133.29	134.93	134.95	
18	134.48	134.22	133.82	133.58	133.75	133.42	133.01	132.75	132.93	133.17	134.83	134.98	
19	134.71	134.39	133.78	133.29	133.97	133.20	132.98	132.84	132.99	133.29	135.02	134.86	
20	134.72	134.20	133.85	133.41	133.78	133.09	132.90	132.76	133.09	134.23	134.85	134.89	
21	134.44	134.13	133.91	133.37	133.74	133.01	132.94	132.77	133.19	133.91	134.97	134.97	
22	134.51	134.06	133.96	133.48	133.90	132.92	132.84	132.77	133.14	134.18	134.69	134.48	
23	134.56	133.99	133.50	133.61	133.69	132.80	132.91	132.72	133.15	134.11	134.45	135.09	
24	134.65	133.95	133.82	133.45	133.78	133.01	132.91	132.71	133.22	134.20	134.79	135.15	
25	134.54	133.91	133.93	133.51	133.26	133.08	132.87	132.73	133.13	134.15	134.84	135.13	
26	134.42	133.72	133.85	133.35	133.66	133.03	133.12	133.14	133.20	133.72	134.88	135.14	
27	134.51	133.85	133.76	133.32	133.55	132.88	132.72	133.24	133.16	134.24	134.93	135.16	
28	134.61	133.70	133.87	133.28	133.22	132.73	132.89	133.23	133.22	134.27	134.89	135.08	
29	134.43	133.77	133.68	133.49	133.83	132.87	132.79	133.47	133.13	134.26		135.18	
30	134.53	133.63	132.94	134.15	134.05	132.88	132.88	133.27	133.14	134.40		134.88	
31		133.79		134.18	134.04		132.82		133.15	134.67		135.22	
MEAN	134.56	134.19	133.60	133.62	133.87	133.31	132.98	132.94	133.18	133.61	134.79	134.93	
MAX	135.24	134.98	133.96	134.18	134.36	134.23	133.40	133.47	133.58	134.67	135.02	135.22	135.24
MIN	134.23	133.63	132.94	133.28	133.22	132.73	132.68	132.71	132.91	133.11	134.17	134.39	132.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 136.76 M (MSL), AT 22.00 HOURS, ON APR 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 133.00 M (MSL), RIVER BED 130.86 M (MSL)
LEFT BANK ELEVATION 144.23 M (MSL)
RIGHT BANK ELEVATION 147.26 M (MSL), DRAINAGE AREA 26396 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	204.90	101.70	38.35	46.90	87.40	79.60	13.65	21.80	15.80	24.65	189.70	274.50	
2	212.50	173.20	22.35	48.70	145.80	137.80	37.50	21.80	16.70	26.60	128.50	212.50	
3	218.20	175.00	40.90	92.60	159.20	83.50	12.95	9.00	14.45	25.30	184.00	164.30	
4	193.50	208.70	53.20	62.35	72.40	61.30	13.30	8.70	15.80	19.05	251.40	203.00	
5	189.70	159.20	49.60	62.35	97.80	46.00	5.00	7.80	16.70	22.35	253.50	226.20	
6	167.80	191.60	46.90	63.40	112.00	34.70	4.70	9.60	37.50	19.60	243.00	270.30	
7	185.90	162.60	56.05	54.10	131.50	40.05	9.90	7.25	37.50	23.45	285.00	287.20	
8	195.40	169.60	46.90	62.35	100.40	19.60	15.80	12.25	36.80	26.60	238.80	293.80	
9	137.80	187.80	40.05	75.85	101.70	29.85	20.70	9.90	53.20	29.85	264.00	216.30	
10	184.00	167.80	60.25	61.30	72.40	28.55	20.15	10.50	27.25	29.85	204.90	285.00	
11	187.80	150.70	67.80	61.30	65.50	44.30	16.70	16.70	33.30	25.30	251.40	253.50	
12	185.90	136.20	46.90	51.40	61.30	61.30	13.30	13.65	36.80	26.60	274.50	251.40	
13	206.80	147.40	56.05	56.05	77.00	49.60	17.15	15.35	32.60	30.50	276.60	280.80	
14	206.80	115.00	48.70	43.45	106.00	68.95	27.25	8.40	22.90	26.60	266.10	304.80	
15	340.60	137.80	40.05	80.90	115.00	29.85	21.25	9.60	20.70	27.90	278.70	285.00	
16	245.10	144.20	33.30	100.40	139.40	51.40	25.30	12.25	22.35	46.90	199.20	247.20	
17	142.60	280.80	43.45	95.20	113.50	44.30	14.45	6.25	10.85	29.85	270.30	274.50	
18	180.40	136.20	79.60	53.20	71.25	39.20	14.45	6.25	11.55	22.35	249.30	280.80	
19	224.10	164.30	74.70	29.85	99.10	24.00	13.30	8.70	13.65	29.85	289.40	255.60	
20	226.20	133.00	83.50	38.35	74.70	18.05	10.50	6.50	18.05	137.80	253.50	261.90	
21	173.20	122.50	91.30	35.40	70.10	14.45	11.90	6.75	23.45	91.30	278.70	278.70	
22	185.90	112.00	97.80	44.30	90.00	11.20	8.70	6.75	20.70	130.00	220.10	180.40	
23	195.40	101.70	46.00	56.05	64.45	7.50	10.85	5.50	21.25	119.50	175.00	304.80	
24	212.50	96.50	79.60	41.75	74.70	14.45	10.85	5.25	25.30	133.00	240.90	319.00	
25	191.60	91.30	93.90	46.90	27.90	17.60	9.60	5.75	20.15	125.50	251.40	314.20	
26	169.60	67.80	83.50	34.00	61.30	15.35	19.60	20.70	24.00	67.80	259.80	316.60	
27	185.90	83.50	72.40	31.90	50.50	9.90	5.50	26.60	21.80	139.40	270.30	321.40	
28	204.90	65.50	86.10	29.20	25.30	5.75	10.20	25.95	25.30	144.20	261.90	302.60	
29	171.40	73.55	63.40	45.15	80.90	9.60	7.25	43.45	20.15	142.60		326.20	
30	189.70	58.15	11.90	125.50	110.50	9.90	9.90	28.55	20.70	166.00		259.80	
31		75.85		130.00	109.00		8.10		21.25	216.30		335.80	
TOTAL	5916.10	4191.15	1754.50	1860.15	2768.00	1107.60	439.75	397.50	738.50	2126.55	6809.90	8388.10	36497.80 CMSDAY
MEAN	197.20	135.20	58.48	60.00	89.29	36.92	14.19	13.25	23.82	68.60	243.21	270.58	99.99 CMS
MAX	340.60	280.80	97.80	130.00	159.20	137.80	37.50	43.45	53.20	216.30	289.40	335.80	340.60 CMS
MIN	137.80	58.15	11.90	29.20	25.30	5.75	4.70	5.25	10.85	19.05	128.50	164.30	4.70 CMS
RUNOFF	511.151	362.115	151.589	160.717	239.155	95.697	37.994	34.344	63.806	183.734	588.375	724.732	3153.410 MCM

MOMENTARY PEAK 814.60 CMS, AT 136.76 M (MSL), AT 22.00 HOURS, ON APR 14, 1985

RUNOFF YIELD 3.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 30.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

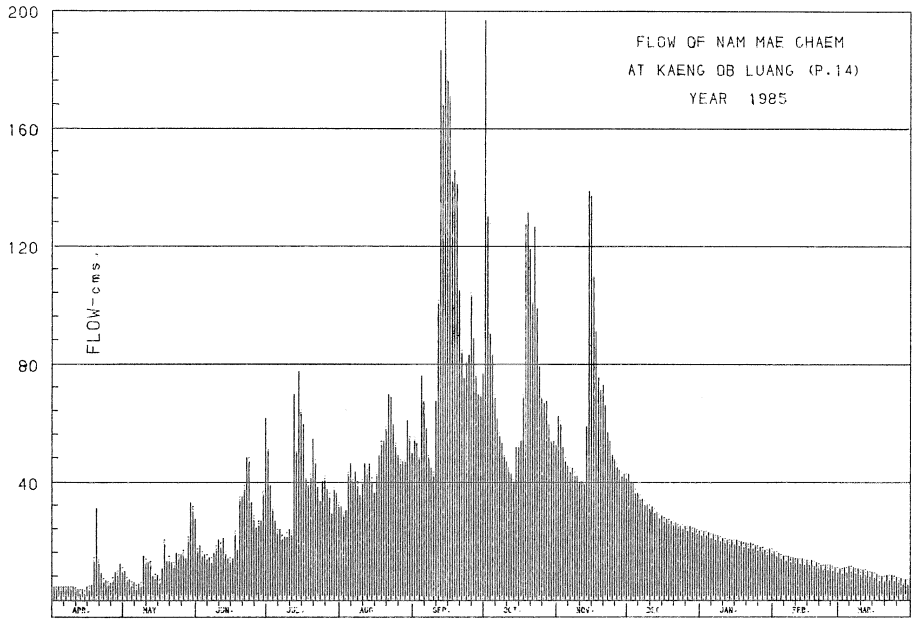
NAM MAE CHAEM AT KAENG OB LUANG, CHIANG MAI (P.14)

LOCATION	LAT. 18-13-49 N., LONG. 98-33-35 E., ON RIGHT BANK NEAR THE BRIDGE OF HOT-MAE SARIANG HIGHWAY AT GUIDEPOST 7+500, AMPHOE HOT, CHIANG MAI.
DRAINAGE AREA	3,853 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+275.80 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+282.20 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1953 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	276.73	276.89	277.06	277.62	277.32	277.67	279.36	277.77	277.49	277.18	277.04	276.91	
2	276.73	276.83	277.08	277.43	277.29	277.64	278.61	277.75	277.46	277.18	277.04	276.91	
3	276.73	276.81	277.04	277.32	277.30	277.58	278.14	277.62	277.44	277.18	277.03	276.92	
4	276.73	276.79	277.02	277.24	277.50	277.95	278.04	277.57	277.41	277.17	277.02	276.92	
5	276.73	276.78	277.02	277.19	277.54	277.85	277.87	277.53	277.39	277.16	277.01	276.93	
6	276.73	276.75	277.00	277.19	277.46	277.71	277.76	277.52	277.38	277.16	277.01	276.93	
7	276.73	276.76	277.00	277.15	277.50	277.58	277.69	277.52	277.36	277.15	277.01	276.92	
8	276.73	276.78	277.03	277.14	277.45	277.52	277.64	277.50	277.35	277.15	277.00	276.91	
9	276.73	277.01	277.08	277.17	277.38	277.50	277.59	277.48	277.33	277.14	277.00	276.91	
10	276.72	276.99	277.12	277.19	277.46	277.84	277.55	277.47	277.33	277.13	276.99	276.90	
11	276.70	276.96	277.10	277.18	277.54	278.27	277.52	277.45	277.32	277.13	276.99	276.90	
12	276.70	276.97	277.13	277.87	277.51	279.24	277.49	277.46	277.31	277.12	276.99	276.90	
13	276.70	276.84	277.04	277.61	277.54	279.05	277.46	277.72	277.29	277.12	276.99	276.89	
14	276.69	276.86	276.99	277.97	277.47	279.40	277.62	278.72	277.28	277.12	276.98	276.88	
15	276.73	276.85	277.00	277.80	277.39	279.14	277.64	278.69	277.27	277.12	276.98	276.88	
16	276.74	276.81	276.99	277.73	277.50	279.07	277.65	278.38	277.26	277.12	276.98	276.87	
17	276.75	276.91	277.18	277.48	277.58	278.76	277.87	278.14	277.25	277.11	276.98	276.86	
18	277.00	277.12	277.05	277.43	277.65	278.79	278.58	277.96	277.25	277.11	276.97	276.84	
19	277.31	276.97	277.37	277.49	277.65	278.75	278.64	277.89	277.24	277.10	276.96	276.84	
20	276.98	277.01	277.37	277.66	277.72	278.31	278.48	277.93	277.24	277.10	276.95	276.84	
21	276.87	276.96	277.43	277.56	277.87	278.06	278.27	277.82	277.23	277.09	276.94	276.85	
22	276.82	276.96	277.57	277.42	277.88	277.94	278.57	277.71	277.22	277.10	276.94	276.85	
23	276.80	277.03	277.57	277.37	277.73	278.02	278.25	277.65	277.21	277.09	276.94	276.85	
24	276.79	277.02	277.34	277.45	277.64	278.04	277.99	277.60	277.22	277.08	276.94	276.84	
25	276.77	277.02	277.27	277.48	277.58	278.30	277.87	277.56	277.21	277.08	276.94	276.83	
26	276.83	277.05	277.20	277.41	277.56	278.11	277.83	277.54	277.21	277.07	276.93	276.83	
27	276.88	276.99	277.24	277.39	277.55	277.96	277.86	277.51	277.21	277.07	276.92	276.82	
28	276.89	277.14	277.24	277.28	277.57	277.87	277.73	277.50	277.20	277.05	276.92	276.81	
29	276.95	277.34	277.40	277.42	277.75	277.88	277.66	277.49	277.20	277.05		276.81	
30	276.92	277.32	277.76	277.39	277.67	277.96	277.65	277.49	277.19	277.06		276.81	
31		277.25		277.34	277.59		277.65		277.18	277.06		276.81	
MEAN	276.80	276.96	277.19	277.43	277.55	278.19	277.95	277.73	277.29	277.11	276.98	276.87	
MAX	277.31	277.34	277.76	277.97	277.88	279.40	279.36	278.72	277.49	277.18	277.04	276.93	279.40
MIN	276.69	276.75	276.99	277.14	277.29	277.50	277.46	277.45	277.18	277.05	276.92	276.81	276.69

ANNUAL MAX MOMENTARY GAGE HEIGHT 280.14 M (MSL), AT 9.00 HOURS, ON OCT 1, 1985
ZERO GAGE AT BOTTOM ELEVATION 275.80 M (MSL), RIVER BED 276.03 M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION 281.25 M (MSL), DRAINAGE AREA 3853 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.61	9.94	17.50	51.90	31.80	55.40	197.62	62.40	42.85	23.50	16.50	10.72	
2	4.61	7.80	18.50	38.95	29.90	53.30	130.12	61.00	40.90	23.50	16.50	10.72	
3	4.61	7.09	16.50	31.80	30.50	49.10	91.20	51.90	39.60	23.50	16.00	11.14	
4	4.61	6.43	15.50	26.90	43.50	76.00	83.20	48.40	37.65	23.00	15.50	11.14	
5	4.61	6.12	15.50	24.00	46.30	68.25	69.75	45.60	36.35	22.50	15.00	11.56	
6	4.61	5.22	14.50	24.00	40.90	58.20	61.70	44.90	35.70	22.50	15.00	11.56	
7	4.61	5.52	14.50	22.00	43.50	49.10	56.80	44.90	34.40	22.00	15.00	11.14	
8	4.61	6.12	16.00	21.50	40.25	44.90	53.30	43.50	33.75	22.00	14.50	10.72	
9	4.61	15.00	18.50	23.00	35.70	43.50	49.80	42.20	32.45	21.50	14.50	10.72	
10	4.31	14.08	20.50	24.00	40.90	67.50	47.00	41.55	32.45	21.00	14.08	10.30	
11	3.70	12.82	19.50	23.50	46.30	101.77	44.90	40.25	31.80	21.00	14.08	10.30	
12	3.70	13.24	21.00	69.75	44.20	186.58	42.85	40.90	31.15	20.50	14.08	10.30	
13	3.70	8.16	16.50	51.20	46.30	169.10	40.90	58.90	29.90	20.50	14.08	9.94	
14	3.43	8.87	14.08	77.60	41.55	201.30	51.90	139.75	29.30	20.50	13.66	9.59	
15	4.61	8.51	14.50	64.50	36.35	177.38	53.30	137.13	28.70	20.50	13.66	9.59	
16	4.91	7.09	14.08	59.60	43.50	170.94	54.00	110.85	28.10	20.50	13.66	9.23	
17	5.22	10.72	23.50	42.20	49.10	143.25	69.75	91.20	27.50	20.00	13.66	8.87	
18	14.50	20.50	17.00	38.95	54.00	145.87	127.55	76.80	27.50	20.00	13.24	8.16	
19	31.15	13.24	35.05	42.85	54.00	142.38	132.75	71.25	26.90	19.50	12.82	8.16	
20	13.66	15.00	35.05	54.70	58.90	105.07	119.10	74.40	26.90	19.50	12.40	8.16	
21	9.23	12.82	38.95	47.70	69.75	84.80	101.77	66.00	26.30	19.00	11.98	8.51	
22	7.44	12.82	48.40	38.30	70.50	75.20	126.70	58.20	25.70	19.50	11.98	8.51	
23	6.73	16.00	48.40	35.05	59.60	81.60	100.12	54.00	25.10	19.00	11.98	8.51	
24	6.43	15.50	33.10	40.25	53.30	83.20	79.20	50.50	25.70	18.50	11.98	8.16	
25	5.82	15.50	28.70	42.20	49.10	104.25	69.75	47.70	25.10	18.50	11.98	7.80	
26	7.80	17.00	24.50	37.65	47.70	88.80	66.75	46.30	25.10	18.00	11.56	7.80	
27	9.59	14.08	26.90	36.35	47.00	76.80	69.00	44.20	25.10	18.00	11.14	7.44	
28	9.94	21.50	26.90	29.30	48.40	69.75	59.60	43.50	24.50	17.00	11.14	7.09	
29	12.40	33.10	37.00	38.30	61.00	70.50	54.70	42.85	24.50	17.00		7.09	
30	11.14	31.80	61.70	36.35	55.40	76.80	54.00	42.85	24.00	17.50		7.09	
31		27.50		33.10	49.80		54.00		23.50	17.50		7.09	
TOTAL	220.90	419.09	752.31	1227.45	1469.00	2920.59	2413.08	1823.88	928.45	627.00	381.66	287.11	13470.52 CMSDAY
MEAN	7.36	13.52	25.08	39.60	47.39	97.35	77.84	60.80	29.95	20.23	13.63	9.26	36.91 CMS
MAX	31.15	33.10	61.70	77.60	70.50	201.30	197.62	139.75	42.85	23.50	16.50	11.56	201.30 CMS
MIN	3.43	5.22	14.08	21.50	29.90	43.50	40.90	40.25	23.50	17.00	11.14	7.09	3.43 CMS
RUNOFF	19.086	36.209	65.000	106.052	126.922	252.339	208.490	157.583	80.218	54.173	32.975	24.806	1163.853 MCM

MOMENTARY PEAK 276.60 CMS, AT 280.14 M (MSL), AT 9.00 HOURS, ON OCT 1, 1985

RUNOFF YIELD 9.58 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 71.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

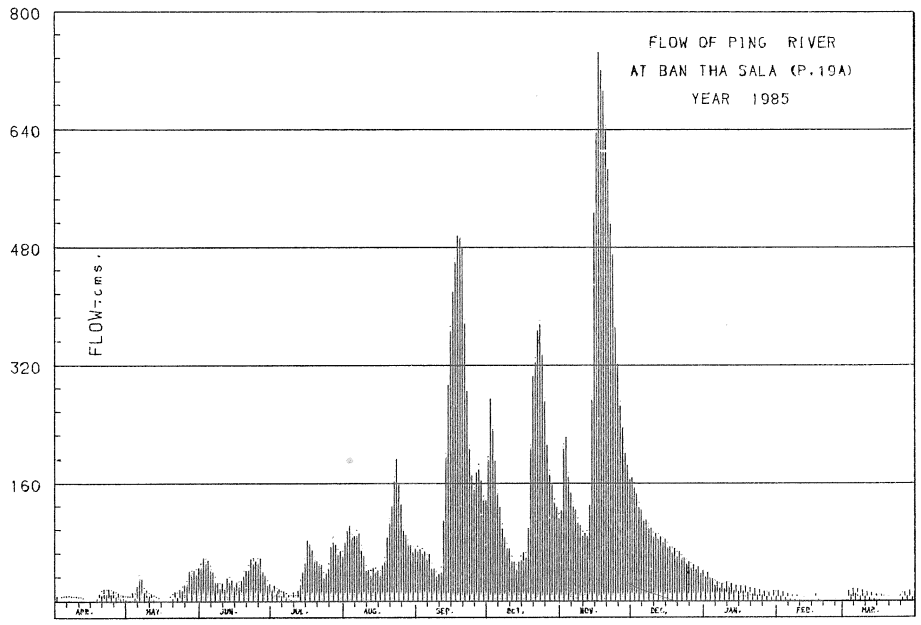
PING RIVER AT BAN THA SALA, CHIANG MAI (P.19A)

LOCATION	LAT. 18-25-19 N., LONG. 98-42-17 E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE WITH LI RIVER, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	14,023 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+271.351 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 11 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+276.620 M. (M.S.L.)
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	1958 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1958 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 276.05 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 28,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 151 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	272.12	272.13	272.66	272.34	272.92	272.88	273.82	273.28	273.62	272.54	272.23	272.10	
2	272.12	272.13	272.73	272.33	273.12	272.84	274.31	273.93	273.57	272.53	272.23	272.13	
3	272.12	272.20	272.72	272.30	273.12	272.85	274.09	273.99	273.46	272.52	272.21	272.23	
4	272.13	272.20	272.70	272.27	273.02	272.81	273.78	273.67	273.37	272.44	272.19	272.25	
5	272.14	272.32	272.63	272.24	273.00	272.77	273.50	273.47	273.29	272.41	272.17	272.27	
6	272.14	272.50	272.54	272.23	273.07	272.78	273.32	273.38	273.22	272.39	272.16	272.29	
7	272.13	272.43	272.47	272.19	273.03	272.66	273.14	273.29	273.18	272.37	272.14	272.26	
8	272.12	272.30	272.38	272.15	272.89	272.59	272.98	273.20	273.14	272.36	272.14	272.23	
9	272.12	272.25	272.37	272.15	272.76	272.55	272.91	273.12	273.09	272.36	272.13	272.24	
10	272.11	272.21	272.37	272.21	272.63	272.51	272.85	273.05	273.04	272.39	272.13	272.22	
11	272.11	272.18	272.36	272.15	272.57	272.61	272.75	273.03	273.03	272.38	272.09	272.21	
12	272.08	272.15	272.45	272.24	272.57	273.17	272.68	273.06	273.02	272.36	272.09	272.20	
13	272.06	272.12	272.47	272.43	272.60	273.85	272.64	273.34	272.99	272.33	272.08	272.19	
14	272.05	272.09	272.42	272.54	272.60	274.42	272.68	274.33	272.98	272.33	272.07	272.16	
15	272.04	272.09	272.40	272.73	272.56	274.86	272.76	275.52	272.96	272.32	272.09	272.15	
16	272.03	272.09	272.39	272.95	272.56	275.09	272.80	275.87	272.92	272.32	272.12	272.14	
17	272.04	272.08	272.40	272.97	272.63	275.29	272.80	276.16	272.87	272.33	272.16	272.14	
18	272.16	272.09	272.41	272.83	272.74	275.41	273.09	276.11	272.86	272.32	272.14	272.12	
19	272.17	272.12	272.56	272.75	272.98	275.42	273.92	276.02	272.85	272.31	272.08	272.10	
20	272.25	272.18	272.56	272.69	273.20	275.35	274.49	275.89	272.81	272.29	272.04	272.10	
21	272.27	272.22	272.64	272.70	273.33	274.91	274.63	275.71	272.81	272.27	272.00	272.10	
22	272.27	272.21	272.72	272.64	273.63	274.37	274.83	275.49	272.77	272.27	272.03	272.09	
23	272.27	272.26	272.73	272.53	273.80	273.92	274.90	275.31	272.73	272.25	272.05	272.07	
24	272.26	272.33	272.69	272.52	273.60	273.64	274.65	274.88	272.71	272.25	272.06	272.09	
25	272.24	272.34	272.73	272.66	273.35	273.55	274.32	274.58	272.68	272.24	272.06	272.14	
26	272.22	272.41	272.73	272.87	273.12	273.67	273.92	274.29	272.66	272.22	272.05	272.19	
27	272.20	272.55	272.61	272.99	273.01	273.75	273.69	274.07	272.64	272.22	272.06	272.20	
28	272.16	272.56	272.49	272.90	272.95	273.59	273.55	273.89	272.63	272.20	272.12	272.22	
29	272.15	272.56	272.42	272.84	272.89	273.44	273.41	273.74	272.61	272.21		272.23	
30	272.14	272.58	272.36	272.82	272.87	273.39	273.32	273.65	272.59	272.23		272.20	
31		272.60		272.82	272.85		273.25		272.56	272.22		272.17	
MEAN	272.15	272.27	272.54	272.55	272.97	273.70	273.54	274.31	272.96	272.33	272.11	272.18	
MAX	272.27	272.60	272.73	272.99	273.80	275.42	274.90	276.16	273.62	272.54	272.23	272.29	276.16
MIN	272.03	272.08	272.36	272.15	272.56	272.51	272.64	273.03	272.56	272.20	272.00	272.07	272.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 276.21 M (MSL), AT 14.00 HOURS, ON NOV 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 271.35 M (MSL), RIVER BED 271.20 M (MSL)
LEFT BANK ELEVATION 277.17 M (MSL)
RIGHT BANK ELEVATION 276.04 M (MSL), DRAINAGE AREA 14023 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.66	7.24	51.50	21.90	79.30	74.80	196.10	122.50	167.80	39.80	13.46	5.50	
2	6.66	7.24	58.65	21.05	102.50	70.40	274.70	213.15	160.80	38.85	13.46	7.24	
3	6.66	11.30	57.60	18.50	102.50	71.50	238.40	222.45	145.60	37.90	12.02	13.46	
4	7.24	11.30	55.50	16.34	90.80	67.10	190.20	174.80	133.75	30.60	10.72	14.90	
5	7.82	20.20	48.50	14.18	88.50	62.85	151.00	146.95	123.75	27.90	9.56	16.34	
6	7.82	36.00	39.80	13.46	96.55	63.90	127.50	135.00	115.00	26.15	8.98	17.78	
7	7.24	29.70	33.30	10.72	91.95	51.50	105.00	123.75	110.00	24.45	7.82	15.62	
8	6.66	18.50	25.30	8.40	75.90	44.55	86.20	112.50	105.00	23.60	7.82	13.46	
9	6.66	14.90	24.45	8.40	61.80	40.75	78.15	102.50	98.85	23.60	7.24	14.18	
10	6.08	12.02	24.45	12.02	48.50	36.95	71.50	94.25	93.10	26.15	7.24	12.74	
11	6.08	10.14	23.60	8.40	42.65	46.50	60.75	91.95	91.95	25.30	5.15	12.02	
12	4.80	8.40	31.50	14.18	42.65	108.75	53.50	95.40	90.80	23.60	5.15	11.30	
13	4.10	6.66	33.30	29.70	45.50	200.75	49.50	130.00	87.35	21.05	4.80	10.72	
14	3.75	5.15	28.80	39.80	45.50	293.40	53.50	278.10	86.20	21.05	4.45	8.98	
15	3.40	5.15	27.00	58.65	41.70	373.00	61.80	527.01	83.90	20.20	5.15	8.40	
16	3.05	5.15	26.15	82.75	41.70	419.90	66.00	640.80	79.30	20.20	6.66	7.82	
17	3.40	4.80	27.00	85.05	48.50	465.60	66.00	745.40	73.70	21.05	8.98	7.82	
18	8.98	5.15	27.90	69.30	59.70	495.80	98.85	725.90	72.60	20.20	7.82	6.66	
19	9.56	6.66	41.70	60.75	86.20	498.61	211.60	692.41	71.50	19.35	4.80	5.50	
20	14.90	10.14	41.70	54.50	112.50	480.50	305.30	645.61	67.10	17.78	3.40	5.50	
21	16.34	12.74	49.50	55.50	128.75	383.00	330.40	586.19	67.10	16.34	2.00	5.50	
22	16.34	12.02	57.60	49.50	169.20	284.90	367.01	518.21	62.85	16.34	3.05	5.15	
23	16.34	15.62	58.65	38.85	193.00	211.60	381.00	470.50	58.65	14.90	3.75	4.45	
24	15.62	21.05	54.50	37.90	165.00	170.60	334.00	377.00	56.55	14.90	4.10	5.15	
25	14.18	21.90	58.65	51.50	131.25	158.00	276.40	321.40	53.50	14.18	4.10	7.82	
26	12.74	27.90	58.65	73.70	102.50	174.80	211.60	271.30	51.50	12.74	3.75	10.72	
27	11.30	40.75	46.50	87.35	89.65	186.00	177.60	235.20	49.50	12.74	4.10	11.30	
28	8.98	41.70	35.10	77.00	82.75	163.60	158.00	206.95	48.50	11.30	6.66	12.74	
29	8.40	41.70	28.80	70.40	75.90	142.90	138.85	184.60	46.50	12.02		13.46	
30	7.82	43.60	23.60	68.20	73.70	136.25	127.50	172.00	44.55	13.46		11.30	
31		45.50		68.20	71.50		118.75		41.70	12.74		9.56	
TOTAL	259.58	560.28	1199.25	1326.15	2688.10	5978.76	5166.66	9363.78	2638.95	660.44	186.19	313.09	30341.23 CMSDAY
MEAN	8.65	18.07	39.98	42.78	86.71	199.29	166.67	312.13	85.13	21.30	6.65	10.10	83.13 CMS
MAX	16.34	45.50	58.65	87.35	193.00	498.61	381.00	745.40	167.80	39.80	13.46	17.78	745.40 CMS
MIN	3.05	4.80	23.60	8.40	41.70	36.95	49.50	91.95	41.70	11.30	2.00	4.45	2.00 CMS
RUNOFF	22.428	48.408	103.615	114.579	232.252	516.565	446.399	809.031	228.005	57.062	16.087	27.051	2621.483 MCM

MOMENTARY PEAK 764.99 CMS, AT 276.21 M (MSL), AT 14.00 HOURS, ON NOV 17, 1985

RUNOFF YIELD 5.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 54.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

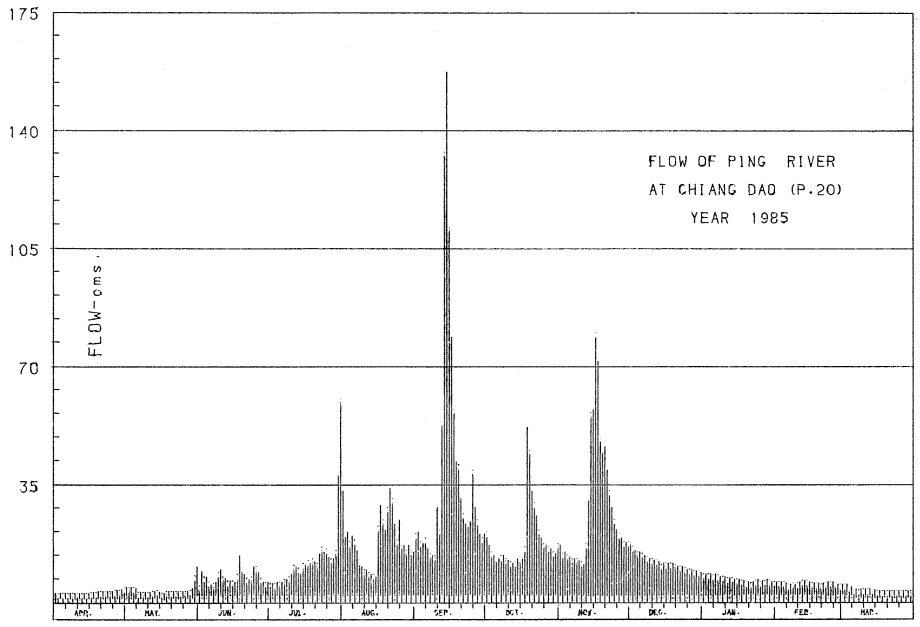
PING RIVER AT CHIANG DAO, CHIANG MAI (P.20)

LOCATION	LAT. 19-22-06 N., LONG. 98-58-20 E., ON RIGHT BANK NEAR WAT INTHRA RAM, AMPHOE CHIANG DAO, CHIANG MAI.
DRAINAGE AREA	1,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 2 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+4.133 M. (A.D.)
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	1979 - 1982
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 - 1982
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE DURING 1979 - 1982.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.70	0.71	0.73	1.24	1.04	1.05	0.98	0.98	0.80	0.74	0.72	
2	0.64	0.70	0.82	0.73	1.05	1.05	0.98	0.93	0.97	0.80	0.74	0.72	
3	0.64	0.70	0.78	0.73	1.05	1.00	0.94	0.94	0.95	0.80	0.74	0.72	
4	0.64	0.70	0.78	0.74	1.00	0.99	0.92	0.92	0.94	0.80	0.74	0.70	
5	0.64	0.69	0.74	0.74	1.03	1.02	0.91	0.91	0.94	0.79	0.73	0.70	
6	0.64	0.65	0.72	0.74	1.01	0.96	0.90	0.90	0.93	0.80	0.72	0.68	
7	0.64	0.65	0.73	0.76	0.95	0.93	0.92	0.90	0.92	0.79	0.72	0.68	
8	0.64	0.65	0.74	0.76	0.89	0.92	0.92	0.90	0.91	0.78	0.73	0.67	
9	0.64	0.65	0.81	0.78	0.85	0.92	0.90	0.89	0.90	0.78	0.72	0.68	
10	0.64	0.65	0.83	0.80	0.83	1.17	0.89	0.88	0.90	0.78	0.73	0.68	
11	0.64	0.65	0.78	0.86	0.83	1.06	0.88	0.86	0.89	0.77	0.74	0.68	
12	0.64	0.66	0.77	0.85	0.81	1.47	0.87	0.99	0.89	0.77	0.75	0.68	
13	0.64	0.66	0.75	0.84	0.80	2.10	0.88	1.20	0.88	0.77	0.75	0.68	
14	0.64	0.67	0.75	0.80	0.80	2.25	0.90	1.51	0.86	0.76	0.75	0.68	
15	0.64	0.65	0.75	0.87	0.78	1.95	0.91	1.52	0.87	0.76	0.74	0.67	
16	0.65	0.64	0.74	0.86	1.08	1.71	0.90	1.72	0.87	0.76	0.73	0.66	
17	0.65	0.64	0.80	0.89	1.18	1.52	0.97	1.65	0.87	0.75	0.73	0.66	
18	0.65	0.66	0.92	0.87	1.11	1.35	1.47	1.43	0.87	0.75	0.73	0.66	
19	0.66	0.66	0.84	0.90	1.06	1.34	1.39	1.38	0.87	0.74	0.73	0.66	
20	0.66	0.66	0.80	0.88	1.17	1.21	1.24	1.42	0.86	0.74	0.72	0.66	
21	0.66	0.66	0.77	0.87	1.25	1.14	1.19	1.32	0.85	0.73	0.73	0.66	
22	0.66	0.66	0.76	0.93	1.21	1.09	1.13	1.24	0.85	0.74	0.73	0.66	
23	0.66	0.66	0.78	0.97	1.09	1.10	1.06	1.17	0.85	0.75	0.74	0.66	
24	0.66	0.66	0.85	0.94	1.01	1.10	1.02	1.11	0.84	0.76	0.74	0.66	
25	0.66	0.66	0.85	0.96	1.11	1.32	0.99	1.06	0.83	0.74	0.74	0.66	
26	0.67	0.66	0.81	0.91	0.98	1.17	0.98	1.04	0.83	0.75	0.73	0.66	
27	0.67	0.66	0.77	0.90	0.98	1.11	0.97	1.02	0.83	0.75	0.72	0.66	
28	0.67	0.67	0.74	0.90	0.95	1.04	0.96	1.00	0.82	0.76	0.72	0.66	
29	0.68	0.69	0.74	0.95	0.98	1.02	0.94	1.00	0.82	0.75		0.66	
30	0.70	0.79	0.74	1.30	0.95	1.04	0.93	1.00	0.82	0.74		0.66	
31		0.85		1.55	0.94		0.99		0.81	0.74		0.66	
MEAN	0.65	0.67	0.78	0.88	1.00	1.24	1.00	1.13	0.88	0.76	0.73	0.67	
MAX	0.70	0.85	0.92	1.55	1.25	2.25	1.47	1.72	0.98	0.80	0.75	0.72	2.25
MIN	0.64	0.64	0.71	0.73	0.78	0.92	0.87	0.86	0.81	0.73	0.72	0.66	0.64

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.57 M (A.D), AT 21.00 HOURS, ON SEP 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.04 M (A.D)
LEFT BANK ELEVATION 3.28 M (A.D)
RIGHT BANK ELEVATION 5.69 M (A.D), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.96	4.70	5.09	5.87	33.27	20.46	21.05	17.10	17.10	8.60	6.26	5.48	
2	2.96	4.70	9.50	5.87	21.05	21.05	17.10	14.60	16.60	8.60	6.26	5.48	
3	2.96	4.70	7.82	5.87	21.05	18.10	15.10	15.10	15.60	8.60	6.26	5.48	
4	2.96	4.70	7.82	6.26	18.10	17.60	14.10	14.10	15.10	8.60	6.26	4.70	
5	2.96	4.41	6.26	6.26	19.87	19.28	13.60	13.60	15.10	8.21	5.87	4.70	
6	2.96	3.25	5.48	6.26	18.69	16.10	13.10	13.10	14.60	8.60	5.48	4.12	
7	2.96	3.25	5.87	7.04	15.60	14.60	14.10	13.10	14.10	8.21	5.48	4.12	
8	2.96	3.25	6.26	7.04	12.65	14.10	14.10	13.10	13.60	7.82	5.87	3.83	
9	2.96	3.25	9.05	7.82	10.85	14.10	13.10	12.65	13.10	7.82	5.48	4.12	
10	2.96	3.25	9.95	8.60	9.95	28.41	12.65	12.20	13.10	7.82	5.87	4.12	
11	2.96	3.25	7.82	11.30	9.95	21.64	12.20	11.30	12.65	7.43	6.26	4.12	
12	2.96	3.54	7.43	10.85	9.05	52.48	11.75	17.60	12.65	7.43	6.65	4.12	
13	2.96	3.54	6.65	10.40	8.60	133.60	12.20	30.30	12.20	7.43	6.65	4.12	
14	2.96	3.83	6.65	8.60	8.60	157.50	13.10	56.31	11.30	7.04	6.65	4.12	
15	2.96	3.25	6.65	11.75	7.82	111.13	13.60	57.36	11.75	7.04	6.26	3.83	
16	3.25	2.96	6.26	11.30	22.82	78.77	13.10	80.05	11.75	7.04	5.87	3.54	
17	3.25	2.96	8.60	12.65	29.04	57.36	16.60	71.65	11.75	6.65	5.87	3.54	
18	3.25	3.54	14.10	11.75	24.63	41.87	52.48	48.77	11.75	6.65	5.87	3.54	
19	3.54	3.54	10.40	13.10	21.64	41.04	45.17	44.35	11.75	6.26	5.87	3.54	
20	3.54	3.54	8.60	12.20	28.41	31.04	33.27	47.85	11.30	6.26	5.48	3.54	
21	3.54	3.54	7.43	11.75	34.02	26.52	29.67	39.38	10.85	5.87	5.87	3.54	
22	3.54	3.54	7.04	14.60	31.04	23.41	25.89	33.27	10.85	6.26	5.87	3.54	
23	3.54	3.54	7.82	16.60	23.41	24.00	21.64	28.41	10.85	6.65	6.26	3.54	
24	3.54	3.54	10.85	15.10	18.69	24.00	19.28	24.63	10.40	7.04	6.26	3.54	
25	3.54	3.54	10.85	16.10	24.63	39.38	17.60	21.64	9.95	6.26	6.26	3.54	
26	3.83	3.54	9.05	13.60	17.10	28.41	17.10	20.46	9.95	6.65	5.87	3.54	
27	3.83	3.54	7.43	13.10	17.10	24.63	16.60	19.28	9.95	6.65	5.48	3.54	
28	3.83	3.83	6.26	13.10	15.60	20.46	16.10	18.10	9.50	7.04	5.48	3.54	
29	4.12	4.41	6.26	15.60	17.10	19.28	15.10	18.10	9.50	6.65		3.54	
30	4.70	8.21	6.26	37.73	15.60	20.46	14.60	18.10	9.50	6.26		3.54	
31		10.85		60.52	15.10		17.60		9.05	6.26		3.54	
TOTAL	99.24	125.49	235.51	408.59	581.03	1160.78	582.65	845.56	377.20	223.70	167.87	123.10	4930.72 CMSDAY
MEAN	3.31	4.05	7.85	13.18	18.74	38.69	18.80	28.19	12.17	7.22	6.00	3.97	13.51 CMS
MAX	4.70	10.85	14.10	60.52	34.02	157.50	52.48	80.05	17.10	8.60	6.65	5.48	157.50 CMS
MIN	2.96	2.96	5.09	5.87	7.82	14.10	11.75	11.30	9.05	5.87	5.48	3.54	2.96 CMS
RUNOFF	8.574	10.842	20.348	35.302	50.201	100.291	50.341	73.056	32.590	19.328	14.504	10.636	426.014 MCM

MOMENTARY PEAK 210.90 CMS, AT 2.57 M (A.D), AT 21.00 HOURS, ON SEP 13, 1985
RUNOFF YIELD 9.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 155.65 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

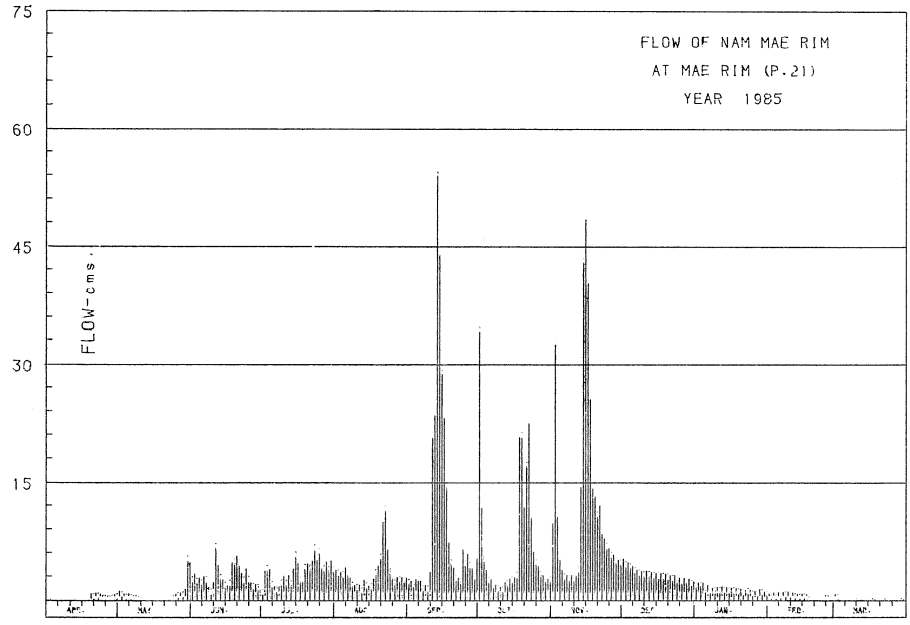
NAM MAE RIM NEAR MAE RIM, CHIANG MAI (P.21)

LOCATION	LAT. 18-55-29 N., LONG. 98-56-34 E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE RIM, CHIANG MAI.
DRAINAGE AREA	515 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+319.70 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF GAGE OBSERVER'S HOUSE.
ELEVATION	+322.083 M. (M.S.L.)
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 FLOAT	-
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 36 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	320.03	320.40	320.69	320.44	320.78	320.64	322.03	321.20	320.91	320.57	320.31	320.29	
2	320.02	320.38	320.73	320.77	320.78	320.61	321.30	321.99	320.88	320.58	320.30	320.30	
3	320.02	320.32	320.66	320.84	320.75	320.61	320.93	321.24	320.87	320.59	320.35	320.14	
4	320.02	320.30	320.67	320.79	320.76	320.64	320.78	320.95	320.86	320.58	320.31	320.15	
5	320.04	320.32	320.64	320.60	320.81	320.70	320.67	320.78	320.83	320.50	320.35	320.12	
6	320.08	320.29	320.70	320.51	320.78	320.61	320.64	320.73	320.81	320.53	320.34	320.09	
7	320.11	320.24	320.69	320.50	320.67	320.53	320.58	320.71	320.78	320.49	320.36	320.11	
8	320.08	320.24	320.50	320.51	320.59	320.53	320.54	320.71	320.78	320.47	320.38	320.12	
9	320.07	320.20	320.45	320.63	320.53	320.52	320.52	320.71	320.77	320.48	320.38	320.11	
10	320.06	320.17	320.59	320.70	320.55	320.75	320.50	320.70	320.76	320.50	320.35	320.10	
11	320.05	320.17	321.05	320.62	320.54	321.66	320.51	320.70	320.77	320.49	320.35	320.10	
12	320.06	320.19	320.84	320.71	320.49	321.73	320.59	320.82	320.76	320.51	320.32	320.21	
13	320.05	320.18	320.72	320.61	320.63	322.46	320.62	321.41	320.75	320.50	320.30	320.17	
14	320.02	320.16	320.64	320.80	320.58	322.24	320.65	322.23	320.75	320.49	320.31	320.09	
15	320.03	320.03	320.59	320.98	320.52	321.89	320.68	322.34	320.74	320.48	320.31	320.08	
16	320.02	320.02	320.53	320.86	320.56	321.72	320.68	322.17	320.74	320.48	320.31	320.07	
17	320.05	320.00	320.63	320.67	320.65	321.43	320.75	321.79	320.74	320.49	320.29	320.11	
18	320.05	320.07	320.87	320.59	320.79	321.06	321.64	321.43	320.74	320.47	320.20	320.03	
19	320.32	320.13	320.91	320.85	320.84	320.90	321.66	321.36	320.73	320.46	320.10	320.02	
20	320.32	320.14	320.94	320.86	320.96	320.81	321.30	321.27	320.73	320.45	320.08	320.01	
21	320.34	320.12	320.90	320.84	321.21	320.70	321.53	321.31	320.71	320.43	320.09	320.05	
22	320.34	320.20	320.74	320.89	321.31	320.67	321.70	321.16	320.71	320.42	320.13	320.07	
23	320.31	320.23	320.68	321.04	321.00	320.65	321.26	321.09	320.71	320.47	320.17	320.01	
24	320.26	320.24	320.80	320.90	320.80	321.00	320.98	321.05	320.67	320.43	320.17	320.01	
25	320.26	320.30	320.69	321.01	320.65	320.89	320.90	321.01	320.67	320.40	320.26	320.07	
26	320.23	320.35	320.58	320.80	320.63	320.96	320.83	320.97	320.66	320.39	320.22	320.02	
27	320.23	320.34	320.56	320.83	320.68	320.87	320.76	320.95	320.66	320.40	320.18	319.97	
28	320.26	320.38	320.55	320.88	320.69	320.80	320.71	320.92	320.67	320.44	320.19	319.97	
29	320.29	320.45	320.55	320.82	320.68	320.73	320.69	320.90	320.65	320.44		320.12	
30	320.32	320.94	320.42	320.89	320.67	320.91	320.65	320.90	320.62	320.38		320.01	
31		320.87		320.82	320.67		320.69		320.60	320.40		319.99	
MEAN	320.14	320.27	320.68	320.76	320.73	321.01	320.91	321.18	320.74	320.47	320.26	320.09	
MAX	320.34	320.94	321.05	321.04	321.31	322.46	322.03	322.34	320.91	320.59	320.38	320.30	322.46
MIN	320.02	320.00	320.42	320.44	320.49	320.52	320.50	320.70	320.60	320.38	320.08	319.97	319.97

ANNUAL MAX MOMENTARY GAGE HEIGHT 322.50 M (MSL), AT 12.00 HOURS, ON SEP 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 319.70 M (MSL), RIVER BED 318.97 M (MSL)
LEFT BANK ELEVATION 322.95 M (MSL)
RIGHT BANK ELEVATION 322.96 M (MSL), DRAINAGE AREA 515 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	1.20	3.03	1.40	3.86	2.68	34.76	9.75	5.28	2.19	0.84	0.77	
2	0.15	1.12	3.39	3.77	3.86	2.47	11.80	33.11	4.93	2.26	0.80	0.80	
3	0.15	0.88	2.82	4.49	3.58	2.47	5.54	10.57	4.82	2.33	1.00	0.35	
4	0.15	0.80	2.89	3.96	3.67	2.68	3.86	5.80	4.71	2.26	0.84	0.38	
5	0.17	0.88	2.68	2.40	4.16	3.10	2.89	3.86	4.38	1.70	1.00	0.30	
6	0.22	0.77	3.10	1.77	3.86	2.47	2.68	3.39	4.16	1.91	0.96	0.24	
7	0.28	0.62	3.03	1.70	2.89	1.91	2.26	3.20	3.86	1.65	1.04	0.28	
8	0.22	0.62	1.70	1.77	2.33	1.91	1.98	3.20	3.86	1.55	1.12	0.30	
9	0.21	0.50	1.45	2.61	1.91	1.84	1.84	3.20	3.77	1.60	1.12	0.28	
10	0.20	0.43	2.33	3.10	2.05	3.58	1.70	3.10	3.67	1.70	1.00	0.25	
11	0.19	0.43	7.23	2.54	1.98	21.33	1.77	3.10	3.77	1.65	1.00	0.25	
12	0.20	0.47	4.49	3.20	1.65	23.52	2.33	4.27	3.67	1.77	0.88	0.53	
13	0.19	0.45	3.29	2.47	2.61	54.48	2.54	14.36	3.58	1.70	0.80	0.43	
14	0.15	0.40	2.68	4.05	2.26	43.90	2.75	43.45	3.58	1.65	0.84	0.24	
15	0.16	0.16	2.33	6.19	1.84	29.23	2.96	48.48	3.48	1.60	0.84	0.22	
16	0.15	0.15	1.91	4.71	2.12	23.18	2.96	40.78	3.48	1.60	0.84	0.21	
17	0.19	0.12	2.61	2.89	2.75	14.88	3.58	25.56	3.48	1.65	0.77	0.28	
18	0.19	0.21	4.82	2.33	3.96	7.38	20.75	14.88	3.48	1.55	0.50	0.16	
19	0.88	0.32	5.28	4.60	4.49	5.15	21.33	13.18	3.39	1.50	0.25	0.15	
20	0.88	0.35	5.67	4.71	5.93	4.16	11.80	11.19	3.39	1.45	0.22	0.13	
21	0.96	0.30	5.15	4.49	9.96	3.10	17.56	12.03	3.20	1.35	0.24	0.19	
22	0.96	0.50	3.48	5.04	12.03	2.89	22.50	9.05	3.20	1.30	0.32	0.21	
23	0.84	0.59	2.96	7.07	6.45	2.75	10.98	7.85	3.20	1.55	0.43	0.13	
24	0.68	0.62	4.05	5.15	4.05	6.45	6.19	7.23	2.89	1.35	0.43	0.13	
25	0.68	0.80	3.03	6.61	2.75	5.04	5.15	6.61	2.89	1.20	0.68	0.21	
26	0.59	1.00	2.26	4.05	2.61	5.93	4.38	6.06	2.82	1.16	0.56	0.15	
27	0.59	0.96	2.12	4.38	2.96	4.82	3.67	5.80	2.82	1.20	0.45	0.05	
28	0.68	1.12	2.05	4.93	3.03	4.05	3.20	5.41	2.89	1.40	0.47	0.05	
29	0.77	1.45	2.05	4.27	2.96	3.39	3.03	5.15	2.75	1.40		0.30	
30	0.88	5.67	1.30	5.04	2.89	5.28	2.75	5.15	2.54	1.12		0.13	
31		4.82		4.27	2.89		3.03		2.40	1.20		0.10	
TOTAL	12.72	28.71	95.18	119.96	114.34	296.02	224.52	368.77	110.34	49.50	20.24	8.20	1448.50 CMSDAY
MEAN	0.42	0.93	3.17	3.87	3.69	9.87	7.24	12.29	3.56	1.60	0.72	0.26	3.97 CMS
MAX	0.96	5.67	7.23	7.07	12.03	54.48	34.76	48.48	5.28	2.33	1.12	0.80	54.48 CMS
MIN	0.15	0.12	1.30	1.40	1.65	1.84	1.70	3.10	2.40	1.12	0.22	0.05	0.05 CMS
RUNOFF	1.099	2.481	8.224	10.365	9.879	25.576	19.399	31.862	9.533	4.277	1.749	0.708	125.150 MCM

MOMENTARY PEAK 56.60 CMS, AT 322.50 M (MSL), AT 12.00 HOURS, ON SEP 13, 1985

RUNOFF YIELD 7.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 109.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

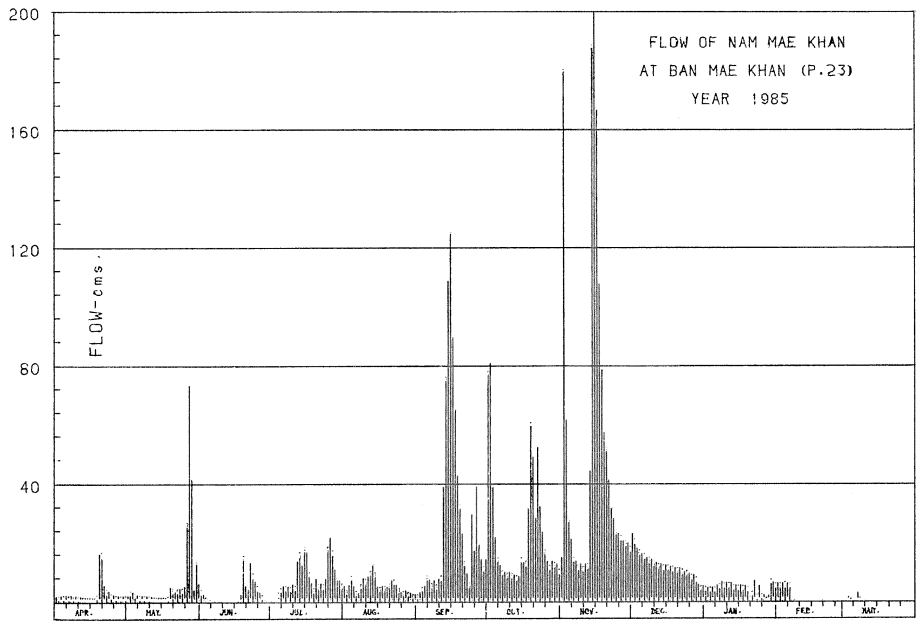
NAM MAE KHAN AT BAN MAE KHAN, CHIANG MAI (P.23)

LOCATION	LAT. 18-31-37 N., LONG. 98-51-42 E., ON LEFT BANK DOWNSTREAM AT THE BRIDGE ON HIGHWAY, AMPHOE SAN PA TONG, CHIANG MAI.
DRAINAGE AREA	1,777 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+285.622 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+289.483 M. (M.S.L.)
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, 1967, 1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967, 1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	286.48	286.50	286.82	286.44	286.98	286.58	288.14	287.32	287.45	286.94	287.16	286.58	
2	286.49	286.75	286.57	286.37	286.80	286.67	288.17	289.09	287.42	286.90	287.16	286.70	
3	286.51	286.69	286.45	286.37	287.02	286.95	287.69	287.96	287.37	286.91	287.16	286.98	
4	286.53	286.63	286.39	286.42	287.19	286.99	287.43	287.53	287.36	286.91	287.17	286.87	
5	286.53	286.55	286.33	286.89	286.98	287.19	287.32	287.42	287.34	286.92	287.16	286.79	
6	286.52	286.53	286.27	286.98	286.75	287.14	287.27	287.32	287.34	287.01	287.16	286.77	
7	286.53	286.52	286.27	286.98	286.63	287.09	287.23	287.30	287.32	287.05	286.89	287.06	
8	286.51	286.52	286.26	286.96	287.06	287.13	287.22	287.27	287.32	287.11	286.78	286.97	
9	286.50	286.51	286.24	286.94	287.16	287.04	287.21	287.28	287.31	287.08	286.74	286.82	
10	286.49	286.49	286.28	287.05	287.15	287.15	287.22	287.26	287.30	287.10	286.71	286.72	
11	286.47	286.47	286.31	287.00	287.18	287.19	287.21	287.28	287.29	287.09	286.69	286.68	
12	286.46	286.46	286.32	287.30	287.23	287.68	287.20	287.28	287.28	287.09	286.69	286.64	
13	286.44	286.44	286.32	287.35	287.27	288.12	287.19	287.75	287.28	287.00	286.65	286.61	
14	286.43	286.44	286.26	287.27	287.22	288.45	287.18	289.16	287.27	287.01	286.66	286.60	
15	286.42	286.44	286.26	287.38	286.96	288.61	287.32	289.29	287.27	286.99	286.65	286.59	
16	286.42	286.44	286.24	287.35	286.93	288.26	287.29	288.98	287.27	287.01	286.66	286.58	
17	286.41	286.43	286.28	287.22	286.98	288.01	287.30	288.44	287.26	286.99	286.63	286.56	
18	286.55	286.49	286.56	287.09	286.99	287.73	287.58	288.16	287.26	286.98	286.64	286.55	
19	287.34	286.91	287.33	286.89	286.94	287.60	287.95	287.91	287.25	286.93	286.65	286.55	
20	287.35	286.87	286.99	287.15	287.08	287.45	287.81	287.85	287.25	287.00	286.68	286.53	
21	287.01	286.69	287.04	287.07	287.13	287.30	287.55	287.71	287.25	287.09	286.65	286.52	
22	286.83	286.85	287.29	287.08	287.14	287.21	287.85	287.60	287.24	287.18	286.63	286.52	
23	286.74	286.85	287.21	287.05	287.03	287.09	287.61	287.53	287.22	287.04	286.60	286.52	
24	286.60	286.87	287.12	287.15	286.89	287.55	287.46	287.47	287.23	287.14	286.59	286.51	
25	286.56	286.96	287.00	287.38	286.69	287.38	287.36	287.45	287.21	287.05	286.59	286.52	
26	286.53	287.51	286.66	287.43	286.74	287.68	287.30	287.44	287.20	287.03	286.58	286.52	
27	286.51	288.09	286.56	287.36	286.77	287.41	287.27	287.41	287.20	286.97	286.58	286.51	
28	286.50	287.73	286.38	287.24	286.70	287.31	287.30	287.41	287.17	287.02	286.58	286.51	
29	286.50	286.79	286.35	287.20	286.65	287.26	287.29	287.40	287.03	287.19		286.51	
30	286.52	287.31	286.34	287.13	286.59	287.31	287.28	287.38	286.98	287.17		286.51	
31		287.07		287.08	286.58		287.24		286.98	287.16		286.51	
MEAN	286.59	286.77	286.56	287.05	286.95	287.42	287.43	287.76	287.26	287.03	286.77	286.64	
MAX	287.35	288.09	287.33	287.43	287.27	288.61	288.17	289.29	287.45	287.19	287.17	287.06	289.29
MIN	286.41	286.43	286.24	286.37	286.58	286.58	287.18	287.26	286.98	286.90	286.58	286.51	286.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 289.71 M (MSL), AT 18.00 HOURS, ON NOV 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 285.62 M (MSL), RIVER BED 285.10 M (MSL)
LEFT BANK ELEVATION 289.53 M (MSL)
RIGHT BANK ELEVATION 289.64 M (MSL), DRAINAGE AREA 1777 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.86	2.00	4.24	1.58	5.36	2.56	78.06	15.04	23.10	5.08	6.24	0.27	
2	1.93	3.75	2.49	1.09	4.10	3.19	80.88	180.35	21.24	4.80	6.24	0.50	
3	2.07	3.33	1.65	1.09	5.70	5.15	39.75	61.60	18.14	4.87	6.24	1.48	
4	2.21	2.91	1.23	1.44	8.93	5.43	21.86	28.24	17.52	4.87	6.68	0.91	
5	2.21	2.35	0.81	4.73	5.36	8.93	15.04	21.24	16.28	4.94	6.24	0.68	
6	2.14	2.21	0.42	5.36	3.75	7.58	12.42	15.04	16.28	5.60	6.24	0.64	
7	2.21	2.14	0.42	5.36	2.91	6.40	10.58	13.80	15.04	6.00	0.97	2.80	
8	2.07	2.14	0.36	5.22	6.10	7.31	10.12	12.42	15.04	6.77	0.66	1.42	
9	2.00	2.07	0.24	5.08	8.12	5.90	9.66	12.88	14.42	6.30	0.58	0.76	
10	1.93	1.93	0.48	6.00	7.85	7.85	10.12	11.96	13.80	6.50	0.52	0.54	
11	1.79	1.79	0.67	5.50	8.66	8.93	9.66	12.88	13.34	6.40	0.48	0.46	
12	1.72	1.72	0.74	13.80	10.58	39.00	9.20	12.88	12.88	6.40	0.48	0.38	
13	1.58	1.58	0.74	16.90	12.42	76.18	8.93	44.40	12.88	5.50	0.40	0.32	
14	1.51	1.58	0.36	12.42	10.12	108.75	8.66	188.70	12.42	5.60	0.42	0.30	
15	1.44	1.58	0.36	18.76	5.22	126.10	15.04	204.75	12.42	5.43	0.40	0.29	
16	1.44	1.58	0.24	16.90	5.01	89.58	13.34	167.70	12.42	5.60	0.42	0.27	
17	1.37	1.51	0.48	10.12	5.36	65.93	13.80	107.70	11.96	5.43	0.36	0.24	
18	2.35	1.93	2.42	6.40	5.43	42.84	31.64	79.94	11.96	5.36	0.38	0.23	
19	16.28	4.87	15.66	4.73	5.08	33.00	60.75	57.35	11.50	5.01	0.40	0.23	
20	16.90	4.59	5.43	7.85	6.30	23.10	49.12	52.40	11.50	1.60	0.46	0.20	
21	5.60	3.33	5.90	6.20	7.31	13.80	29.60	41.28	11.50	3.40	0.40	0.19	
22	4.31	4.45	13.34	6.30	7.58	9.66	52.40	33.00	11.04	7.12	0.36	0.19	
23	3.68	4.45	9.66	6.00	5.80	6.40	33.75	28.24	10.12	2.40	0.30	0.19	
24	2.70	4.59	7.04	7.85	4.73	29.60	23.72	24.34	10.58	5.36	0.29	0.17	
25	2.42	5.22	5.50	18.76	3.33	18.76	17.52	23.10	9.66	2.60	0.29	0.19	
26	2.21	26.88	3.12	21.86	3.68	39.00	13.80	22.48	9.20	2.20	0.27	0.19	
27	2.07	73.37	2.42	17.52	3.89	20.62	12.42	20.62	9.20	1.42	0.27	0.17	
28	2.00	42.84	1.16	11.04	3.40	14.42	13.80	20.62	8.39	2.00	0.27	0.17	
29	2.00	4.03	0.95	9.20	3.05	11.96	13.34	20.00	5.80	7.56		0.17	
30	2.14	14.42	0.88	7.31	2.63	14.42	12.88	18.76	5.36	6.68		0.17	
31		6.20		6.30	2.56		11.04		5.36	6.24		0.17	
TOTAL	96.14	237.34	89.41	268.67	180.32	852.35	742.90	1553.71	390.35	155.04	47.26	14.89	4628.38 CMSDAY
MEAN	3.20	7.66	2.98	8.67	5.82	28.41	23.96	51.79	12.59	5.00	1.69	0.48	12.68 CMS
MAX	16.90	73.37	15.66	21.86	12.42	126.10	80.88	204.75	23.10	7.56	6.68	2.80	204.75 CMS
MIN	1.37	1.51	0.24	1.09	2.56	2.56	8.66	11.96	5.36	1.42	0.27	0.17	0.17 CMS
RUNOFF	8.306	20.506	7.725	23.213	15.580	73.643	64.187	134.241	33.726	13.395	4.083	1.286	399.892 MCM

MOMENTARY PEAK 257.80 CMS, AT 289.71 M (MSL), AT 18.00 HOURS, ON NOV 14, 1985

RUNOFF YIELD 7.14 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 145.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

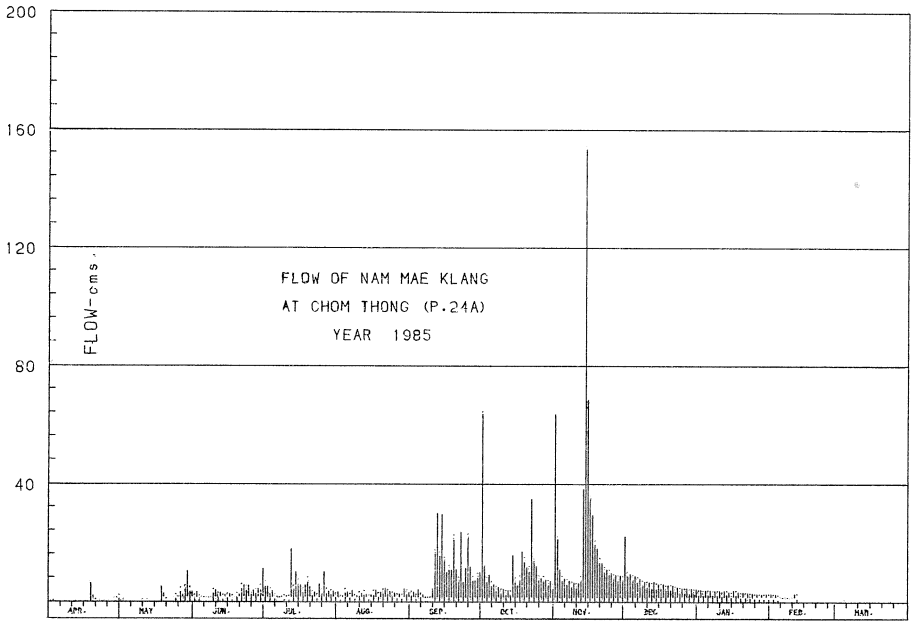
NAM MAE KLANG AT CHOM THONG, CHIANG MAI (P.24A)

LOCATION	LAT. 18-25-01 N., LONG. 98-40-29 E., ON LEFT BANK AT PRACHA UTHIT BRIDGE, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	460 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+274.693 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 NEAR THE GAGE OBSERVER S HOUSE, B.M.2 ON LEFT BANK AT ABUTMENT.
ELEVATION	B.M.1 =+277.954 M. (M.S.L.), B.M.2 =+280.309 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 277.46 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 85 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	275.45	275.56	275.66	275.94	275.70	275.73	277.80	277.78	276.63	275.75	275.66	275.49	
2	275.46	275.53	275.71	275.83	275.63	275.70	276.22	276.63	276.12	275.75	275.66	275.50	
3	275.46	275.51	275.63	275.79	275.62	275.66	276.02	276.16	276.08	275.74	275.65	275.53	
4	275.50	275.50	275.60	275.73	275.79	275.76	276.06	276.04	276.06	275.74	275.64	275.51	
5	275.48	275.48	275.59	275.66	275.70	275.69	275.94	275.99	276.04	275.75	275.60	275.50	
6	275.47	275.46	275.58	275.61	275.68	275.64	275.87	275.98	276.02	275.74	275.58	275.51	
7	275.47	275.46	275.58	275.59	275.74	275.60	275.84	275.95	275.99	275.74	275.58	275.51	
8	275.47	275.46	275.59	275.61	275.65	275.59	275.81	275.93	275.95	275.73	275.58	275.51	
9	275.47	275.53	275.78	275.64	275.62	275.60	275.78	275.91	275.93	275.73	275.57	275.50	
10	275.47	275.51	275.75	275.62	275.72	275.78	275.77	275.90	275.93	275.73	275.59	275.49	
11	275.47	275.54	275.70	275.63	275.67	276.46	275.75	275.90	275.92	275.71	275.66	275.48	
12	275.46	275.52	275.69	276.47	275.74	276.90	275.74	276.04	275.91	275.73	275.67	275.48	
13	275.45	275.50	275.65	275.86	275.65	276.43	275.74	277.15	275.93	275.74	275.55	275.48	
14	275.44	275.49	275.64	276.12	275.64	276.89	276.38	278.73	275.90	275.70	275.52	275.48	
15	275.44	275.49	275.68	275.98	275.64	276.35	276.01	277.88	275.88	275.70	275.54	275.48	
16	275.44	275.52	275.66	275.86	275.75	276.11	275.85	277.09	275.89	275.74	275.52	275.48	
17	275.47	275.53	275.64	275.80	275.75	276.23	276.05	276.88	275.88	275.74	275.50	275.48	
18	275.94	275.90	275.59	275.86	275.70	276.15	276.43	276.58	275.85	275.70	275.50	275.47	
19	275.62	275.67	275.69	276.02	275.70	276.65	276.35	276.47	275.86	275.69	275.48	275.47	
20	275.53	275.55	275.65	275.82	275.78	276.16	276.19	276.34	275.86	275.69	275.47	275.46	
21	275.51	275.52	275.89	275.73	275.79	276.02	276.21	276.26	275.85	275.69	275.48	275.46	
22	275.51	275.54	275.86	275.70	275.77	276.68	277.05	276.20	275.83	275.68	275.50	275.45	
23	275.50	275.57	275.85	275.67	275.72	276.01	276.33	276.16	275.81	275.68	275.50	275.45	
24	275.50	275.66	275.85	275.88	275.71	276.18	276.21	276.15	275.80	275.67	275.48	275.46	
25	275.48	275.61	275.76	275.78	275.68	276.66	276.05	276.10	275.79	275.66	275.49	275.47	
26	275.48	275.81	275.74	276.12	275.67	276.20	276.00	276.08	275.79	275.66	275.50	275.47	
27	275.53	275.64	275.78	275.79	275.66	276.04	276.04	276.06	275.79	275.66	275.50	275.47	
28	275.56	275.86	275.78	275.72	275.66	275.95	275.97	276.05	275.77	275.65	275.49	275.47	
29	275.58	276.13	275.87	275.76	275.78	276.10	275.96	276.05	275.78	275.66		275.46	
30	275.64	275.83	276.17	275.72	275.76	276.11	275.94	276.04	275.77	275.66		275.44	
31		275.72		275.69	275.69		275.89		275.77	275.66		275.45	
MEAN	275.51	275.60	275.72	275.81	275.70	276.10	276.10	276.42	275.92	275.71	275.55	275.48	
MAX	275.94	276.13	276.17	276.47	275.79	276.90	277.80	278.73	276.63	275.75	275.67	275.53	278.73
MIN	275.44	275.46	275.58	275.59	275.62	275.59	275.74	275.90	275.77	275.65	275.47	275.44	275.44

ANNUAL MAX MOMENTARY GAGE HEIGHT 278.94 M (MSL), AT 3.00 HOURS, ON NOV 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 274.69 M (MSL), RIVER BED 275.07 M (MSL)
LEFT BANK ELEVATION 277.54 M (MSL)
RIGHT BANK ELEVATION 277.45 M (MSL), DRAINAGE AREA 460 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.43	1.26	2.60	6.98	3.20	3.65	64.50	63.56	22.15	3.95	2.60	0.56	
2	0.46	0.93	3.35	5.18	2.15	3.20	12.24	22.15	10.20	3.95	2.60	0.60	
3	0.46	0.71	2.15	4.55	2.00	2.60	8.36	11.00	9.44	3.80	2.45	0.93	
4	0.60	0.60	1.70	3.65	4.55	4.10	9.08	8.72	9.08	3.80	2.30	0.71	
5	0.53	0.53	1.59	2.60	3.20	3.05	6.98	7.83	8.72	3.95	1.70	0.60	
6	0.50	0.46	1.48	1.85	2.90	2.30	5.82	7.66	8.36	3.80	1.48	0.71	
7	0.50	0.46	1.48	1.59	3.80	1.70	5.34	7.15	7.83	3.80	1.48	0.71	
8	0.50	0.46	1.59	1.85	2.45	1.59	4.86	6.81	7.15	3.65	1.48	0.71	
9	0.50	0.93	4.40	2.30	2.00	1.70	4.40	6.47	6.81	3.65	1.37	0.60	
10	0.50	0.71	3.95	2.00	3.50	4.40	4.25	6.30	6.81	3.65	1.59	0.56	
11	0.50	1.04	3.20	2.15	2.75	17.75	3.95	6.30	6.64	3.35	2.60	0.53	
12	0.46	0.82	3.05	18.00	3.80	30.00	3.80	8.72	6.47	3.65	2.75	0.53	
13	0.43	0.60	2.45	5.66	2.45	17.00	3.80	38.25	6.81	3.80	1.15	0.53	
14	0.39	0.56	2.30	10.20	2.30	29.70	15.80	154.55	6.30	3.20	0.82	0.53	
15	0.39	0.56	2.90	7.66	2.30	15.13	8.18	68.50	5.98	3.20	1.04	0.53	
16	0.39	0.82	2.60	5.66	3.95	10.00	5.50	36.17	6.14	3.80	0.82	0.53	
17	0.50	0.93	2.30	4.70	3.95	12.46	8.90	29.40	5.98	3.80	0.60	0.53	
18	6.98	6.30	1.59	5.66	3.20	10.80	17.00	20.79	5.50	3.20	0.60	0.50	
19	2.00	2.75	3.05	8.36	3.20	22.72	15.13	18.00	5.66	3.05	0.53	0.50	
20	0.93	1.15	2.45	5.02	4.40	11.00	11.60	14.90	5.66	3.05	0.50	0.46	
21	0.71	0.82	6.14	3.65	4.55	8.36	12.02	13.12	5.50	3.05	0.53	0.46	
22	0.71	1.04	5.66	3.20	4.25	23.58	34.85	11.80	5.18	2.90	0.60	0.43	
23	0.60	1.37	5.50	2.75	3.50	8.18	14.68	11.00	4.86	2.90	0.60	0.43	
24	0.60	2.60	5.50	5.98	3.35	11.40	12.02	10.80	4.70	2.75	0.53	0.46	
25	0.53	1.85	4.10	4.40	2.90	23.01	8.90	9.80	4.55	2.60	0.56	0.50	
26	0.53	4.86	3.80	10.20	2.75	11.80	8.00	9.44	4.55	2.60	0.60	0.50	
27	0.93	2.30	4.40	4.55	2.60	8.72	8.72	9.08	4.55	2.60	0.60	0.50	
28	1.26	5.66	4.40	3.50	2.60	7.15	7.49	8.90	4.25	2.45	0.56	0.50	
29	1.48	10.40	5.82	4.10	4.40	9.80	7.32	8.90	4.40	2.60		0.46	
30	2.30	5.18	11.20	3.50	4.10	10.00	6.98	8.72	4.25	2.60		0.39	
31		3.50		3.05	3.05		6.14		4.25	2.60		0.43	
TOTAL	27.60	62.16	106.70	154.50	100.10	326.85	346.61	644.79	208.73	101.75	35.04	16.92	2131.75 CMSDAY
MEAN	0.92	2.01	3.56	4.98	3.23	10.90	11.18	21.49	6.73	3.28	1.25	0.55	5.84 CMS
MAX	6.98	10.40	11.20	18.00	4.55	30.00	64.50	154.55	22.15	3.95	2.75	0.93	154.55 CMS
MIN	0.39	0.46	1.48	1.59	2.00	1.59	3.80	6.30	4.25	2.45	0.50	0.39	0.39 CMS
RUNOFF	2.385	5.371	9.219	13.349	8.649	28.240	29.947	55.710	18.034	8.791	3.027	1.462	184.183 MCM

MOMENTARY PEAK 195.00 CMS, AT 278.94 M (MSL), AT 3.00 HOURS, ON NOV 14, 1985

RUNOFF YIELD 12.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 423.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

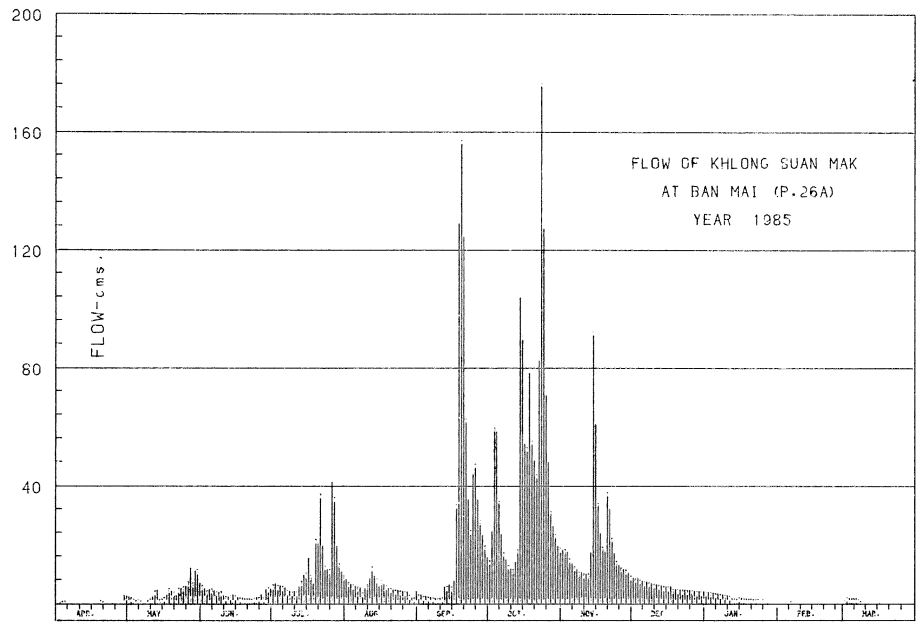
KHLONG SUAN MAK AT BAN MAI, KAMPHAENG PHET (P.26A)

LOCATION	LAT. 16-26-57 N., LONG. 99-26-27 E., ON RIGHT BANK ABOUT 515 METERS DOWNSTREAM FROM THA KRADAN WEIR AT BAN MAI, TAMBON NA BO KHUM, AMPHOE MUANG, KAMPHAENG PHET.
DRAINAGE AREA	969 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING
ELEVATION	+6.144 M. (A.D.)
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	1972-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THA KRADAN WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.30	-0.09	0.18	0.19	0.28	-0.03	0.54	0.68	0.30	0.03	-0.28	-0.22	
2	-0.28	-0.10	0.11	0.21	0.23	-0.04	0.87	0.68	0.29	0.02	-0.28	-0.11	
3	-0.23	-0.16	0.06	0.18	0.20	-0.07	1.62	0.65	0.30	0.01	-0.28	-0.14	
4	-0.23	-0.21	0.09	0.17	0.18	-0.07	1.60	0.56	0.27	0.00	-0.28	-0.14	
5	-0.22	-0.18	0.11	0.16	0.16	-0.09	1.14	0.50	0.25	-0.01	-0.23	-0.14	
6	-0.23	-0.22	0.06	0.13	0.14	-0.10	0.84	0.46	0.24	-0.02	-0.25	-0.14	
7	-0.24	-0.24	0.04	0.07	0.13	-0.10	0.64	0.42	0.24	-0.03	-0.27	-0.17	
8	-0.26	-0.28	0.02	0.05	0.01	-0.13	0.55	0.38	0.22	-0.04	-0.27	-0.24	
9	-0.27	-0.20	0.04	0.04	0.11	-0.14	0.47	0.38	0.21	-0.05	-0.27	-0.26	
10	-0.28	-0.15	-0.06	0.04	0.19	-0.13	0.43	0.36	0.20	-0.06	-0.26	-0.23	
11	-0.30	-0.09	-0.08	0.04	0.29	-0.11	0.42	0.36	0.19	-0.07	-0.25	-0.23	
12	-0.31	0.06	-0.09	0.15	0.46	0.14	0.52	0.36	0.18	-0.14	-0.25	-0.24	
13	-0.32	0.08	-0.06	0.25	0.33	0.16	0.68	0.64	0.17	-0.15	-0.25	-0.24	
14	-0.33	-0.17	-0.04	0.34	0.29	0.19	2.25	2.10	0.15	-0.16	-0.26	-0.24	
15	-0.33	-0.15	-0.06	0.37	0.15	0.15	2.08	1.64	0.15	-0.11	-0.26	-0.27	
16	-0.34	-0.10	-0.10	0.57	0.26	0.25	1.52	1.12	0.15	-0.13	-0.26	-0.28	
17	-0.31	-0.05	-0.11	0.34	0.20	1.11	1.50	0.85	0.15	-0.14	-0.27	-0.29	
18	-0.30	0.12	-0.12	0.20	0.17	2.55	1.91	0.71	0.10	-0.15	-0.25	-0.29	
19	-0.20	0.05	-0.14	0.79	0.12	2.86	1.54	0.65	0.09	-0.16	-0.28	-0.29	
20	-0.25	0.02	-0.14	0.74	0.12	2.50	1.42	1.21	0.09	-0.16	-0.28	-0.30	
21	-0.27	-0.06	-0.15	1.20	0.08	1.67	1.33	1.07	0.08	-0.17	-0.29	-0.30	
22	-0.29	0.12	-0.16	0.72	0.08	1.15	1.97	0.80	0.08	-0.17	-0.29	-0.31	
23	-0.30	0.12	-0.12	0.47	0.07	0.88	3.06	0.63	0.08	-0.17	-0.29	-0.31	
24	-0.30	0.15	-0.10	0.42	0.06	1.33	2.53	0.53	0.07	-0.18	-0.29	-0.32	
25	-0.30	0.16	-0.09	0.42	0.05	1.40	1.81	0.48	0.07	-0.18	-0.28	-0.33	
26	-0.30	0.24	-0.04	1.28	0.04	1.15	1.41	0.44	0.06	-0.19	-0.28	-0.34	
27	-0.27	0.44	-0.10	1.17	0.03	0.97	1.05	0.42	0.05	-0.19	-0.28	-0.35	
28	-0.23	0.22	0.09	0.72	-0.05	0.83	0.92	0.41	0.04	-0.20	-0.29	-0.36	
29	-0.05	0.40	0.13	0.50	-0.12	0.72	0.84	0.37	0.04	-0.26		-0.36	
30	-0.07	0.42	0.10	0.39	-0.11	0.58	0.72	0.33	0.04	-0.29		-0.36	
31		0.22		0.33	0.04		0.70		0.04	-0.28		-0.36	
MEAN	-0.26	0.01	-0.02	0.41	0.14	0.65	1.25	0.67	0.15	-0.12	-0.27	-0.26	
MAX	-0.05	0.44	0.18	1.28	0.46	2.86	3.06	2.10	0.30	0.03	-0.23	-0.11	3.06
MIN	-0.34	-0.28	-0.16	0.04	-0.12	-0.14	0.42	0.33	0.04	-0.29	-0.29	-0.36	-0.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.22 M (A.D), AT 12.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.98 M (A.D)
LEFT BANK ELEVATION 5.40 M (A.D)
RIGHT BANK ELEVATION 5.79 M (A.D), DRAINAGE AREA 969 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	2.35	6.36	6.53	8.38	3.22	14.68	18.46	8.80	4.06	0.48	1.02	
2	0.48	2.20	5.17	6.91	7.33	3.07	24.53	18.46	8.59	3.92	0.48	2.10	
3	0.93	1.60	4.46	6.36	6.70	2.64	59.70	17.65	8.80	3.79	0.48	1.80	
4	0.93	1.11	4.87	6.19	6.36	2.64	58.50	15.22	8.17	3.65	0.48	1.80	
5	1.02	1.40	5.17	6.02	6.02	2.35	34.90	13.60	7.75	3.51	0.93	1.80	
6	0.93	1.02	4.46	5.51	5.68	2.20	23.55	12.64	7.54	3.36	0.75	1.80	
7	0.84	0.84	4.19	4.60	5.51	2.20	17.38	11.68	7.54	3.22	0.57	1.50	
8	0.66	0.48	3.92	4.33	3.79	1.90	14.95	10.72	7.12	3.07	0.57	0.84	
9	0.57	1.20	4.19	4.19	5.17	1.80	12.88	10.72	6.91	2.93	0.57	0.66	
10	0.48	1.70	2.78	4.19	6.53	1.90	11.92	10.24	6.70	2.78	0.66	0.93	
11	0.30	2.35	2.49	4.19	8.59	2.10	11.68	10.24	6.53	2.64	0.75	0.93	
12	0.29	4.46	2.35	5.85	12.64	5.68	14.14	10.24	6.36	1.80	0.75	0.84	
13	0.27	4.73	2.78	7.75	9.52	6.02	18.46	17.38	6.19	1.70	0.75	0.84	
14	0.26	1.50	3.07	9.76	8.59	6.53	103.85	92.30	5.85	1.60	0.66	0.84	
15	0.26	1.70	2.78	10.48	5.85	5.85	90.78	60.90	5.85	2.10	0.66	0.57	
16	0.24	2.20	2.20	15.49	7.96	7.75	54.10	34.10	5.85	1.90	0.66	0.48	
17	0.29	2.93	2.10	9.76	6.70	33.70	53.00	23.88	5.85	1.80	0.57	0.39	
18	0.30	5.34	2.00	6.70	6.19	129.00	78.22	19.32	5.00	1.70	0.75	0.39	
19	1.20	4.33	1.80	21.93	5.34	157.20	55.20	17.65	4.87	1.60	0.48	0.39	
20	0.75	3.92	1.80	20.30	5.34	124.50	48.60	37.80	4.87	1.60	0.48	0.30	
21	0.57	2.78	1.70	37.30	4.73	62.70	43.86	32.10	4.73	1.50	0.39	0.30	
22	0.39	5.34	1.60	19.65	4.73	35.30	82.54	22.25	4.73	1.50	0.39	0.29	
23	0.30	5.34	2.00	12.88	4.60	24.85	176.50	17.11	4.73	1.50	0.39	0.29	
24	0.30	5.85	2.20	11.68	4.46	43.86	127.20	14.41	4.60	1.40	0.39	0.27	
25	0.30	6.02	2.35	11.68	4.33	47.50	71.65	13.12	4.60	1.40	0.48	0.26	
26	0.30	7.54	3.07	41.30	4.19	35.30	48.05	12.16	4.46	1.30	0.48	0.24	
27	0.57	12.16	2.20	36.10	4.06	28.16	31.30	11.68	4.33	1.30	0.48	0.23	
28	0.93	7.12	4.87	19.65	2.93	23.22	26.26	11.44	4.19	1.20	0.39	0.21	
29	2.93	11.20	5.51	13.60	2.00	19.65	23.55	10.48	4.19	0.66		0.21	
30	2.64	11.68	5.00	10.96	2.10	15.76	19.65	9.52	4.19	0.39		0.21	
31		7.12		9.52	4.19		19.00		4.19	0.48		0.21	
TOTAL	20.53	129.51	99.44	391.36	180.51	838.55	1470.58	617.47	184.08	65.36	15.87	22.94	4036.20 CMSDAY
MEAN	0.68	4.18	3.31	12.62	5.82	27.95	47.44	20.58	5.94	2.11	0.57	0.74	11.06 CMS
MAX	2.93	12.16	6.36	41.30	12.64	157.20	176.50	92.30	8.80	4.06	0.93	2.10	176.50 CMS
MIN	0.24	0.48	1.60	4.19	2.00	1.80	11.68	9.52	4.19	0.39	0.39	0.21	0.21 CMS
RUNOFF	1.774	11.190	8.592	33.814	15.596	72.451	127.058	53.349	15.905	5.647	1.371	1.982	348.728 MCM

MOMENTARY PEAK 192.50 CMS, AT 3.22 M (A.D), AT 12.00 HOURS, ON OCT 23, 1985

RUNOFF YIELD 11.41 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 198.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

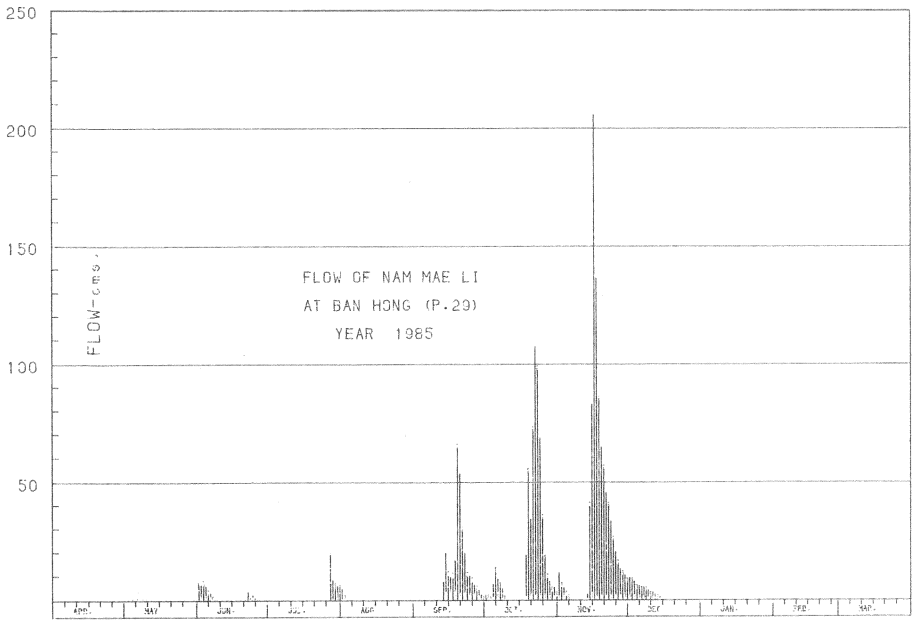
NAM MAE LI AT BAN HONG, LAMPHUN (P.29)

LOCATION	LAT. 18-18-35 N., LONG. 98-49-35 E., ON LEFT BANK ABOUT 10 METERS UPSTREAM FROM KAEO SONTHI BRIDGE, AMPHOE BAN HONG, LAMPHUN.
DRAINAGE AREA	1,970 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 3 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.420 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	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.26	1.01	0.28	0.88	0.27	0.74	1.25	1.20	0.67	0.45	0.43	
2	0.00	0.27	0.96	0.27	0.71	0.27	0.71	1.13	1.19	0.67	0.45	0.43	
3	0.00	0.27	1.04	0.26	0.47	0.26	0.58	1.04	1.15	0.61	0.46	0.43	
4	0.00	0.47	0.94	0.27	0.37	0.26	0.97	0.96	1.10	0.56	0.47	0.43	
5	0.00	0.49	0.86	0.26	0.38	0.25	1.22	0.83	1.08	0.55	0.48	0.43	
6	0.00	0.51	0.78	0.25	0.36	0.25	1.06	0.64	1.06	0.55	0.48	0.42	
7	0.00	0.48	0.67	0.25	0.37	0.25	1.00	0.56	1.05	0.56	0.47	0.42	
8	0.00	0.44	0.58	0.25	0.33	0.25	0.88	0.55	1.05	0.57	0.47	0.41	
9	0.00	0.42	0.41	0.25	0.33	0.25	0.67	0.55	0.99	0.58	0.48	0.41	
10	0.00	0.43	0.34	0.24	0.34	0.25	0.55	0.53	0.94	0.56	0.47	0.41	
11	0.00	0.41	0.31	0.24	0.34	0.26	0.52	0.51	0.93	0.57	0.46	0.41	
12	0.00	0.38	0.30	0.25	0.34	0.34	0.48	0.50	0.86	0.56	0.46	0.42	
13	0.00	0.36	0.29	0.26	0.31	1.04	0.44	0.86	0.83	0.55	0.45	0.43	
14	0.00	0.35	0.28	0.25	0.29	1.38	0.46	1.67	0.76	0.55	0.45	0.44	
15	0.00	0.33	0.28	0.25	0.28	1.17	0.45	1.99	0.77	0.54	0.44	0.43	
16	0.00	0.31	0.27	0.21	0.28	1.09	0.48	2.52	0.65	0.53	0.45	0.43	
17	0.03	0.31	0.27	0.25	0.28	1.15	0.58	2.25	0.65	0.49	0.44	0.42	
18	0.08	0.30	0.26	0.25	0.28	1.30	1.40	2.01	0.66	0.48	0.44	0.42	
19	0.10	0.30	0.26	0.26	0.29	1.88	1.80	1.87	0.65	0.48	0.44	0.39	
20	0.09	0.29	0.26	0.26	0.30	1.78	1.60	1.81	0.65	0.47	0.43	0.39	
21	0.09	0.29	0.27	0.26	0.30	1.56	1.93	1.71	0.64	0.47	0.43	0.39	
22	0.09	0.29	0.81	0.26	0.31	1.38	2.12	1.67	0.66	0.47	0.43	0.40	
23	0.09	0.29	0.58	0.27	0.29	1.16	2.08	1.59	0.65	0.48	0.43	0.40	
24	0.08	0.28	0.72	0.27	0.28	1.11	1.90	1.51	0.64	0.47	0.43	0.41	
25	0.06	0.28	0.55	0.28	0.27	1.08	1.62	1.42	0.57	0.47	0.43	0.41	
26	0.10	0.27	0.41	0.35	0.26	0.96	1.40	1.36	0.55	0.47	0.43	0.40	
27	0.08	0.26	0.33	1.38	0.25	0.94	1.24	1.29	0.63	0.48	0.44	0.40	
28	0.07	0.27	0.29	1.04	0.25	0.85	1.15	1.27	0.66	0.47	0.44	0.41	
29	0.05	0.28	0.28	1.00	0.27	0.71	1.06	1.23	0.54	0.46		0.41	
30	0.06	0.27	0.29	0.94	0.27	0.60	1.05	1.19	0.61	0.46		0.40	
31		0.26		0.96	0.26		0.94		0.61	0.46		0.42	
MEAN	0.04	0.34	0.50	0.39	0.34	0.81	1.07	1.28	0.81	0.52	0.45	0.41	
MAX	0.10	0.51	1.04	1.38	0.88	1.88	2.12	2.52	1.20	0.67	0.48	0.44	2.52
MIN	0.00	0.26	0.26	0.21	0.25	0.25	0.44	0.50	0.54	0.46	0.43	0.39	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.73 M (A.D), AT 12.00 HOURS, ON NOV 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.67 M (A.D)
LEFT BANK ELEVATION 3.79 M (A.D)
RIGHT BANK ELEVATION 3.78 M (A.D), DRAINAGE AREA 1970 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.22	7.57	0.26	4.69	0.24	2.47	11.50	9.40	0.07	0.00	0.00	
2	0.00	0.24	6.40	0.24	2.08	0.24	2.08	7.26	9.10	0.07	0.00	0.00	
3	0.00	0.24	8.38	0.22	0.64	0.22	1.02	5.06	7.87	0.04	0.01	0.00	
4	0.00	0.64	5.95	0.24	0.44	0.22	6.63	3.58	6.35	0.02	0.01	0.00	
5	0.00	0.68	4.33	0.22	0.46	0.20	13.82	1.91	5.92	0.02	0.01	0.00	
6	0.00	0.74	2.99	0.20	0.42	0.20	8.92	0.05	5.49	0.02	0.01	0.00	
7	0.00	0.66	1.70	0.20	0.44	0.20	7.30	0.02	5.27	0.02	0.01	0.00	
8	0.00	0.58	1.02	0.20	0.36	0.20	4.69	0.02	5.27	0.02	0.01	0.00	
9	0.00	0.54	0.52	0.20	0.36	0.20	1.70	0.02	4.05	0.03	0.01	0.00	
10	0.00	0.56	0.38	0.18	0.38	0.20	0.90	0.02	3.27	0.02	0.01	0.00	
11	0.00	0.52	0.32	0.18	0.38	0.22	0.78	0.01	3.12	0.02	0.01	0.00	
12	0.00	0.46	0.30	0.20	0.38	0.38	0.66	0.01	2.23	0.02	0.01	0.00	
13	0.00	0.42	0.28	0.22	0.32	8.38	0.58	2.23	1.91	0.02	0.00	0.00	
14	0.00	0.40	0.26	0.20	0.28	19.98	0.62	41.27	1.00	0.02	0.00	0.00	
15	0.00	0.36	0.26	0.20	0.26	12.17	0.60	82.92	1.15	0.02	0.00	0.00	
16	0.00	0.32	0.24	0.12	0.26	9.73	0.66	207.00	0.06	0.02	0.00	0.00	
17	0.00	0.32	0.24	0.20	0.26	11.55	1.02	136.50	0.06	0.01	0.00	0.00	
18	0.00	0.30	0.22	0.20	0.26	16.70	19.00	86.35	0.07	0.01	0.00	0.00	
19	0.00	0.30	0.22	0.22	0.28	66.12	55.80	64.83	0.06	0.01	0.00	0.00	
20	0.00	0.28	0.22	0.22	0.30	53.50	34.20	57.09	0.06	0.01	0.00	0.00	
21	0.00	0.28	0.24	0.22	0.30	30.96	73.44	45.45	0.05	0.01	0.00	0.00	
22	0.00	0.28	3.43	0.22	0.32	19.98	107.40	41.27	0.07	0.01	0.00	0.00	
23	0.00	0.28	1.02	0.24	0.28	11.86	99.30	33.38	0.06	0.01	0.00	0.00	
24	0.00	0.26	2.21	0.24	0.26	10.31	68.70	26.82	0.05	0.01	0.00	0.00	
25	0.00	0.26	0.90	0.26	0.24	9.46	36.22	20.40	0.02	0.01	0.00	0.00	
26	0.00	0.24	0.52	0.40	0.22	6.40	19.00	16.84	0.02	0.01	0.00	0.00	
27	0.00	0.22	0.36	19.98	0.20	5.95	11.08	13.18	0.05	0.01	0.00	0.00	
28	0.00	0.24	0.28	8.38	0.20	4.15	7.87	12.34	0.07	0.01	0.00	0.00	
29	0.00	0.26	0.26	7.30	0.24	2.08	5.49	10.66	0.02	0.01		0.00	
30	0.00	0.24	0.28	5.95	0.24	1.10	5.27	9.10	0.04	0.01		0.00	
31		0.22		6.40	0.22		3.27		0.04	0.01		0.00	
TOTAL	0.00	11.56	51.30	53.71	15.97	303.10	600.49	937.09	72.20	0.60	0.10	0.00	2046.12 CMSDAY
MEAN	0.00	0.37	1.71	1.73	0.52	10.10	19.37	31.24	2.33	0.02	0.00	0.00	5.61 CMS
MAX	0.00	0.74	8.38	19.98	4.69	66.12	107.40	207.00	9.40	0.07	0.01	0.00	207.00 CMS
MIN	0.00	0.22	0.22	0.12	0.20	0.20	0.58	0.01	0.02	0.01	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.999	4.432	4.641	1.380	26.188	51.882	80.965	6.238	0.052	0.009	0.000	176.785 MCM

MOMENTARY PEAK 271.30 CMS, AT 2.73 M (A.D), AT 12.00 HOURS, ON NOV 16, 1985

RUNOFF YIELD 2.85 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 137.72 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

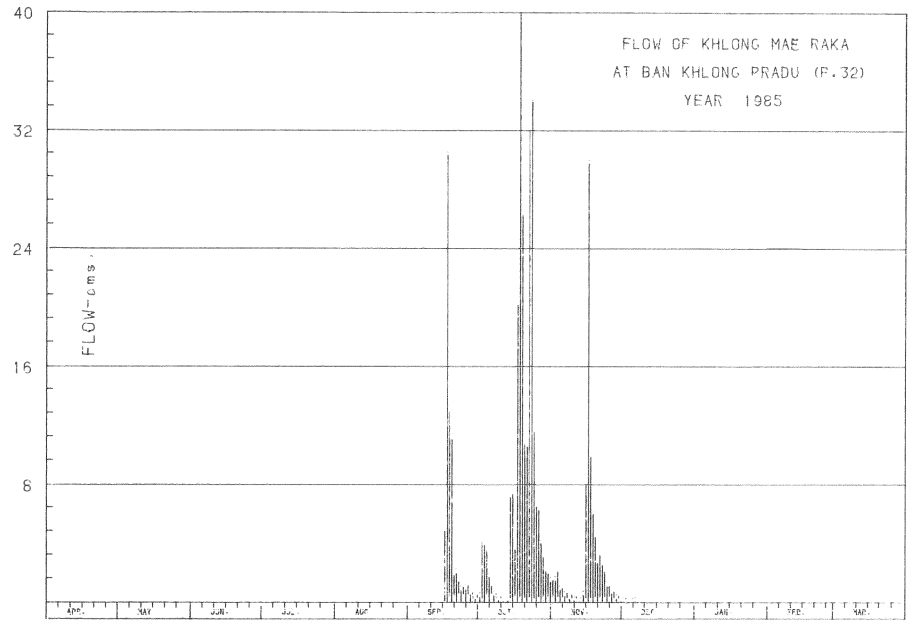
HUAI MAE RAKA AT BAN KHLONG PRADU, TAK (P.32)

LOCATION	LAT. 16-55-27 N., LONG. 99-18-09 E., ON RIGHT BANK AT BAN KHLONG PRADU, AMPHOE MUANG, TAK.
DRAINAGE AREA	342 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+3.516 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1971 TO DATE
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.01	0.01	0.01	0.01	0.01	0.36	0.52	0.27	0.15	0.05	0.05	
2	0.01	0.01	0.01	0.01	0.01	0.01	0.85	0.56	0.26	0.14	0.05	0.05	
3	0.01	0.01	0.01	0.01	0.01	0.01	0.87	0.61	0.25	0.14	0.05	0.05	
4	0.01	0.01	0.01	0.01	0.01	0.01	0.79	0.46	0.24	0.14	0.05	0.05	
5	0.01	0.01	0.01	0.01	0.01	0.01	0.60	0.42	0.26	0.14	0.05	0.05	
6	0.01	0.01	0.01	0.01	0.01	0.01	0.45	0.38	0.28	0.14	0.05	0.05	
7	0.01	0.01	0.01	0.01	0.01	0.01	0.39	0.35	0.23	0.14	0.05	0.05	
8	0.01	0.01	0.01	0.01	0.01	0.01	0.34	0.33	0.23	0.13	0.05	0.05	
9	0.01	0.01	0.01	0.01	0.01	0.01	0.31	0.32	0.21	0.12	0.05	0.05	
10	0.01	0.01	0.01	0.01	0.01	0.01	0.29	0.30	0.21	0.11	0.05	0.05	
11	0.01	0.01	0.01	0.01	0.01	0.01	0.29	0.29	0.20	0.10	0.05	0.05	
12	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.27	0.20	0.10	0.05	0.05	
13	0.01	0.01	0.01	0.01	0.01	0.01	0.30	0.27	0.19	0.10	0.05	0.05	
14	0.01	0.01	0.01	0.01	0.01	0.01	1.12	0.39	0.19	0.10	0.05	0.05	
15	0.01	0.01	0.01	0.01	0.01	0.01	1.16	1.18	0.19	0.10	0.05	0.05	
16	0.01	0.01	0.01	0.01	0.01	0.93	0.80	2.21	0.18	0.10	0.05	0.05	
17	0.01	0.01	0.01	0.01	0.01	2.23	1.84	1.31	0.18	0.10	0.05	0.05	
18	0.01	0.01	0.01	0.01	0.01	1.49	2.69	1.05	0.18	0.10	0.05	0.05	
19	0.01	0.01	0.01	0.01	0.01	1.40	2.08	0.89	0.18	0.10	0.05	0.05	
20	0.01	0.01	0.01	0.01	0.01	0.57	1.36	0.72	0.17	0.10	0.05	0.05	
21	0.01	0.01	0.01	0.01	0.01	0.64	1.37	0.75	0.17	0.10	0.05	0.05	
22	0.01	0.01	0.01	0.01	0.01	0.51	2.28	0.71	0.17	0.10	0.05	0.05	
23	0.01	0.01	0.01	0.01	0.01	0.46	2.36	0.61	0.17	0.09	0.05	0.05	
24	0.01	0.01	0.01	0.01	0.01	0.44	1.41	0.50	0.17	0.09	0.05	0.05	
25	0.01	0.01	0.01	0.01	0.01	0.47	1.09	0.45	0.17	0.09	0.05	0.05	
26	0.01	0.01	0.01	0.01	0.01	0.46	1.05	0.42	0.17	0.09	0.05	0.05	
27	0.01	0.01	0.01	0.01	0.01	0.41	0.87	0.37	0.16	0.08	0.05	0.05	
28	0.01	0.01	0.01	0.01	0.01	0.36	0.74	0.33	0.15	0.07	0.05	0.05	
29	0.01	0.01	0.01	0.01	0.01	0.33	0.65	0.30	0.15	0.06		0.05	
30	0.01	0.01	0.01	0.01	0.01	0.32	0.59	0.28	0.15	0.06		0.05	
31		0.01		0.01	0.01		0.55		0.15	0.05		0.05	
MEAN	0.01	0.01	0.01	0.01	0.01	0.37	0.97	0.59	0.20	0.10	0.05	0.05	
MAX	0.01	0.01	0.01	0.01	0.01	2.23	2.69	2.21	0.28	0.15	0.05	0.05	2.69
MIN	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.27	0.15	0.05	0.05	0.05	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.83 M (A.D), AT 4.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.01 M (A.D)
LEFT BANK ELEVATION 3.17 M (A.D)
RIGHT BANK ELEVATION 3.47 M (A.D), DRAINAGE AREA 342 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

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	0.64	1.48	0.29	0.03	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	4.05	1.74	0.26	0.02	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	4.23	2.08	0.22	0.02	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	3.52	1.13	0.19	0.02	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.91	0.26	0.02	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.72	0.33	0.02	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.60	0.15	0.02	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.52	0.15	0.01	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.48	0.08	0.01	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.40	0.08	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.36	0.05	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.29	0.05	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.29	0.04	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	7.12	0.76	0.04	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	7.66	7.93	0.04	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	4.83	3.60	29.98	0.04	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	30.54	20.39	9.86	0.04	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	12.93	44.09	6.22	0.04	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	11.35	26.46	4.41	0.04	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	1.80	10.69	2.92	0.04	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	2.30	10.86	3.18	0.04	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	1.41	31.94	2.83	0.04	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	1.13	34.21	2.08	0.04	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	1.02	11.53	1.35	0.04	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	1.19	6.73	1.07	0.04	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	1.13	6.22	0.91	0.04	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.85	4.23	0.68	0.03	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.64	3.09	0.52	0.03	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.52	2.37	0.40	0.03	0.00		0.00	
30	0.00	0.00	0.00	0.00	0.00	0.48	1.93	0.33	0.03	0.00		0.00	
31		0.00		0.00	0.00		1.68		0.03	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	0.00	72.12	253.45	86.43	2.82	0.17	0.00	0.00	414.99 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.00	2.40	8.18	2.88	0.09	0.01	0.00	0.00	1.14 CMS
MAX	0.00	0.00	0.00	0.00	0.00	30.54	44.09	29.98	0.33	0.03	0.00	0.00	44.09 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.29	0.03	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	0.000	6.231	21.898	7.468	0.244	0.015	0.000	0.000	35.855 MCM

MOMENTARY PEAK 48.43 CMS, AT 2.83 M (A.D), AT 4.00 HOURS, ON OCT 23, 1985
RUNOFF YIELD 3.32 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 141.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

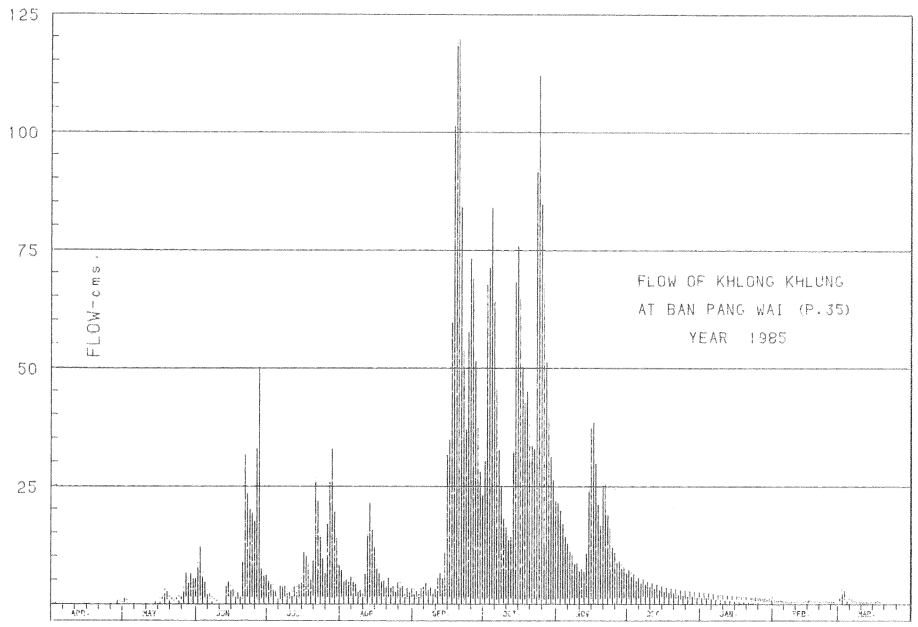
KHLONG KHLUNG AT BAN PANG WAI, KAMPHAENG PHET (P.35)

LOCATION	LAT. 16-04-22 N., LONG. 99-24-18 E., ON RIGHT BANK AT BAN PANG WAI ABOUT 1.5 KILOMETERS FROM KHAO SONG PHI NONG, AMPHOE KHLONG KHLUNG, KAMPHAENG PHET.
DRAINAGE AREA	730 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 34 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+4.502 M. (A.D.)
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	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 195 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.44	0.66	1.37	0.76	0.82	0.60	1.54	1.31	0.82	0.54	0.36	0.40	
2	0.44	0.62	1.51	0.66	0.75	0.56	2.21	1.29	0.80	0.54	0.36	0.60	
3	0.41	0.54	1.25	0.66	0.72	0.61	2.28	1.18	0.78	0.53	0.36	0.57	
4	0.46	0.48	1.08	0.56	0.75	0.61	2.46	1.12	0.76	0.52	0.34	0.44	
5	0.48	0.47	0.91	0.52	0.75	0.70	2.16	1.04	0.74	0.52	0.34	0.39	
6	0.49	0.47	0.79	0.64	0.75	0.68	1.82	1.01	0.73	0.51	0.33	0.35	
7	0.50	0.44	0.72	0.70	0.67	0.66	1.59	0.95	0.73	0.50	0.31	0.33	
8	0.48	0.42	0.66	0.64	0.63	0.62	1.40	0.91	0.72	0.49	0.33	0.33	
9	0.46	0.38	0.60	0.61	0.58	0.61	1.24	0.88	0.70	0.49	0.33	0.31	
10	0.39	0.37	0.60	0.54	0.61	0.60	1.16	0.85	0.69	0.49	0.33	0.31	
11	0.36	0.46	0.58	0.57	0.78	0.79	1.10	0.83	0.68	0.48	0.32	0.31	
12	0.36	0.54	0.58	0.63	1.13	0.79	1.09	0.85	0.67	0.48	0.32	0.31	
13	0.35	0.53	0.70	0.63	1.31	0.79	1.58	0.96	0.66	0.47	0.29	0.31	
14	0.44	0.66	0.70	0.66	1.17	0.97	2.22	1.39	0.65	0.46	0.31	0.29	
15	0.44	0.64	0.65	0.74	1.01	1.57	2.35	1.67	0.64	0.45	0.35	0.27	
16	0.43	0.68	0.59	0.97	0.87	1.62	2.16	1.71	0.63	0.45	0.31	0.28	
17	0.43	0.69	0.55	0.98	0.79	2.09	1.92	1.51	0.62	0.44	0.29	0.32	
18	0.39	0.92	0.53	0.88	0.75	2.68	1.77	1.32	0.62	0.43	0.29	0.28	
19	0.35	0.86	0.55	0.77	0.71	2.87	1.83	1.17	0.61	0.43	0.29	0.26	
20	0.36	0.73	0.89	0.90	0.69	2.88	1.76	1.42	0.61	0.43	0.29	0.26	
21	0.40	0.67	1.57	1.44	0.74	2.47	1.61	1.41	0.60	0.42	0.31	0.25	
22	0.37	0.61	1.36	1.32	0.68	1.97	1.58	1.26	0.59	0.41	0.28	0.24	
23	0.36	0.68	1.30	1.12	0.64	1.68	2.57	1.15	0.58	0.41	0.25	0.24	
24	0.35	0.74	1.25	0.92	0.64	2.04	2.80	1.04	0.58	0.42	0.27	0.23	
25	0.35	0.71	1.23	0.83	0.69	2.31	2.48	0.97	0.57	0.41	0.27	0.22	
26	0.35	0.97	1.58	1.18	0.69	2.23	2.22	0.92	0.56	0.39	0.27	0.21	
27	0.35	1.24	1.92	1.44	0.64	1.94	1.94	0.90	0.56	0.37	0.27	0.20	
28	0.63	1.15	0.83	1.58	0.60	1.67	1.71	0.87	0.56	0.39	0.26	0.21	
29	0.61	1.23	0.81	1.28	0.61	1.49	1.56	0.85	0.55	0.36		0.20	
30	0.50	1.23	0.77	1.08	0.63	1.35	1.43	0.83	0.54	0.39		0.20	
31		1.15		0.90	0.61		1.34		0.54	0.48		0.21	
MEAN	0.42	0.71	0.95	0.87	0.76	1.41	1.83	1.12	0.65	0.45	0.31	0.30	
MAX	0.63	1.24	1.92	1.58	1.31	2.88	2.80	1.71	0.82	0.54	0.36	0.60	2.88
MIN	0.35	0.37	0.53	0.52	0.58	0.56	1.09	0.83	0.54	0.36	0.25	0.20	0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.15 M (A.D), AT 23.00 HOURS, ON SEP 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 730 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	1.11	8.70	5.90	7.17	3.10	31.05	21.40	7.17	2.41	0.91	1.16	
2	0.22	0.85	12.06	4.06	5.70	2.64	67.62	20.65	6.70	2.41	0.91	3.10	
3	0.15	0.52	6.69	4.06	5.10	3.26	72.00	16.89	6.30	2.29	0.91	2.75	
4	0.28	0.33	4.60	2.64	5.70	3.26	83.95	15.06	5.90	2.18	0.78	1.48	
5	0.33	0.30	2.99	2.18	5.70	4.70	64.60	12.80	5.50	2.18	0.78	1.10	
6	0.35	0.30	2.00	3.74	5.70	4.38	45.35	11.97	5.30	2.06	0.72	0.84	
7	0.38	0.22	1.51	4.70	4.22	4.06	33.30	10.38	5.30	1.95	0.59	0.72	
8	0.33	0.17	1.11	3.74	3.58	3.42	25.00	9.32	5.10	1.87	0.72	0.72	
9	0.28	0.10	0.72	3.26	2.87	3.26	18.90	8.58	4.70	1.87	0.72	0.59	
10	0.11	0.08	0.72	2.41	3.26	3.10	16.28	7.88	4.54	1.87	0.72	0.59	
11	0.07	0.28	0.65	2.75	6.30	6.50	14.45	7.40	4.38	1.79	0.66	0.59	
12	0.07	0.52	0.65	3.58	15.36	6.50	14.18	7.88	4.22	1.79	0.66	0.59	
13	0.06	0.48	4.70	3.58	21.40	6.50	32.85	10.64	4.06	1.71	0.49	0.59	
14	0.22	1.11	4.70	4.06	16.58	10.91	68.25	24.60	3.90	1.63	0.59	0.49	
15	0.22	0.98	3.90	5.50	11.97	32.40	76.50	37.25	3.74	1.55	0.84	0.40	
16	0.20	1.24	2.98	10.91	8.35	34.75	64.60	39.30	3.58	1.55	0.59	0.44	
17	0.20	1.31	2.53	11.17	6.50	60.43	50.85	29.70	3.42	1.48	0.49	0.66	
18	0.11	3.08	2.29	8.58	5.70	101.30	42.60	21.80	3.42	1.40	0.49	0.44	
19	0.06	2.57	2.53	6.10	4.90	118.82	45.90	16.58	3.26	1.40	0.49	0.36	
20	0.07	1.58	8.82	9.05	4.54	119.80	42.05	25.85	3.26	1.40	0.49	0.36	
21	0.12	1.18	32.40	26.70	5.50	84.65	34.25	25.42	3.10	1.32	0.59	0.31	
22	0.08	0.79	23.40	21.80	4.38	53.60	32.85	19.60	2.98	1.24	0.44	0.27	
23	0.07	1.24	21.00	15.06	3.74	37.75	92.18	15.97	2.87	1.24	0.31	0.27	
24	0.06	1.65	19.25	9.58	3.74	57.55	112.00	12.80	2.87	1.32	0.40	0.23	
25	0.06	1.44	18.55	7.40	4.54	73.90	85.35	10.91	2.75	1.24	0.40	0.19	
26	0.06	3.53	32.85	16.89	4.54	68.87	68.25	9.58	2.64	1.10	0.40	0.14	
27	0.06	6.55	50.85	26.70	3.74	51.95	51.95	9.05	2.64	0.97	0.40	0.10	
28	0.91	5.39	7.40	32.85	3.10	37.25	39.30	8.35	2.64	1.10	0.36	0.14	
29	0.79	6.41	6.94	20.30	3.26	28.82	31.95	7.88	2.53	0.91		0.10	
30	0.38	6.41	6.10	13.90	3.58	23.00	26.27	7.40	2.41	1.10		0.10	
31		5.39		9.05	3.26		22.60		2.41	1.79		0.14	
TOTAL	6.52	57.11	293.59	302.20	193.98	1050.43	1507.23	482.89	123.59	50.12	16.85	19.96	4104.47 CMSDAY
MEAN	0.22	1.84	9.79	9.75	6.26	35.01	48.62	16.10	3.99	1.62	0.60	0.64	11.25 CMS
MAX	0.91	6.55	50.85	32.85	21.40	119.80	112.00	39.30	7.17	2.41	0.91	3.10	119.80 CMS
MIN	0.06	0.08	0.65	2.18	2.87	2.64	14.18	7.40	2.41	0.91	0.31	0.10	0.06 CMS
RUNOFF	0.563	4.934	25.366	26.110	16.760	90.757	130.225	41.722	10.678	4.330	1.456	1.725	354.626 MCM

MOMENTARY PEAK 147.00 CMS, AT 3.15 M (A.D), AT 23.00 HOURS, ON SEP 17, 1985

RUNOFF YIELD 15.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 201.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

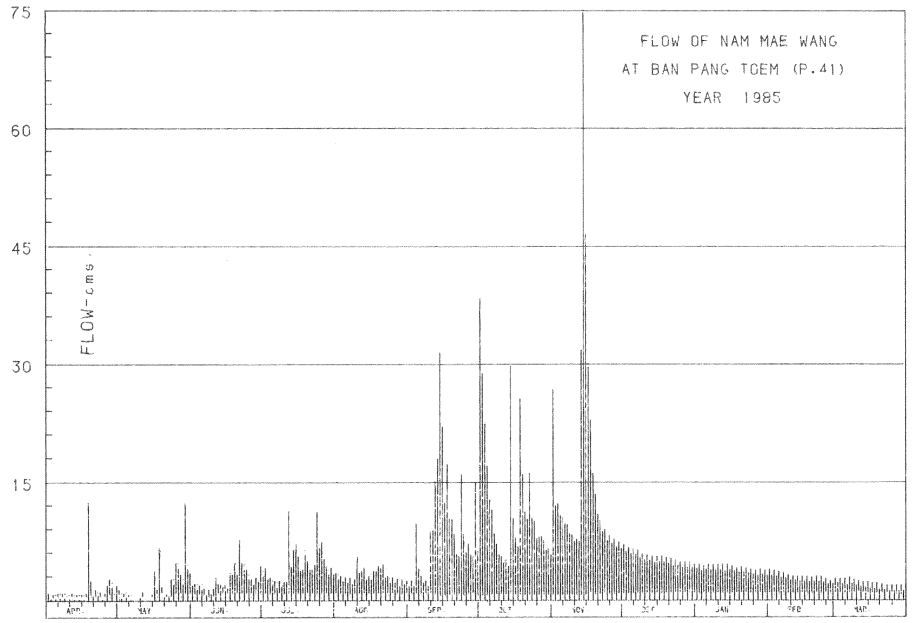
NAM MAE WANG AT BAN PANG TOEM, CHIANG MAI (P.41)

LOCATION	LAT. 18-37-00 N., LONG. 98-44-43 E., ON LEFT BANK ABOUT 1 KILOMETER FROM BAN PANG TOEM, AMPHOE SAN PA THONG, CHIANG MAI.
DRAINAGE AREA	426 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+322.20 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+329.595 M. (M.S.L.)
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	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BY SOME SILTING.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 207 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	322.96	322.99	323.05	323.11	323.10	323.05	324.13	324.37	323.48	323.32	323.27	323.19	
2	322.95	322.96	323.03	323.13	323.09	323.05	323.91	323.81	323.46	323.31	323.26	323.20	
3	322.95	322.96	323.03	323.09	323.08	323.05	323.76	323.80	323.45	323.30	323.26	323.19	
4	322.95	322.97	323.02	323.07	323.08	323.36	323.60	323.74	323.44	323.30	323.25	323.19	
5	322.96	322.95	323.03	323.05	323.07	323.15	323.48	323.70	323.44	323.31	323.25	323.19	
6	322.96	322.95	323.00	323.05	323.07	323.08	323.42	323.68	323.44	323.31	323.24	323.18	
7	322.96	322.93	322.99	323.04	323.07	323.07	323.33	323.64	323.43	323.31	323.24	323.20	
8	322.96	322.93	322.99	323.05	323.06	323.05	323.26	323.60	323.41	323.31	323.24	323.19	
9	322.94	322.93	323.00	323.05	323.06	323.05	323.23	323.56	323.40	323.31	323.22	323.18	
10	322.95	322.96	323.00	323.04	323.20	323.32	323.20	323.54	323.39	323.31	323.22	323.18	
11	322.96	322.97	323.07	323.08	323.10	323.35	323.19	323.52	323.39	323.31	323.21	323.17	
12	322.95	322.92	323.03	323.42	323.14	323.54	323.18	323.54	323.39	323.31	323.22	323.17	
13	322.95	322.92	323.02	323.16	323.13	323.64	323.17	324.49	323.38	323.30	323.21	323.16	
14	322.95	322.93	323.01	323.23	323.09	323.97	323.93	325.29	323.37	323.31	323.21	323.16	
15	322.95	322.95	323.02	323.26	323.08	323.75	323.40	324.78	323.38	323.31	323.21	323.16	
16	322.95	323.11	323.00	323.20	323.09	323.45	323.29	324.45	323.38	323.30	323.21	323.15	
17	322.96	322.99	323.10	323.14	323.11	323.62	323.27	324.26	323.38	323.30	323.21	323.15	
18	323.45	323.24	323.09	323.12	323.14	323.38	323.83	324.03	323.38	323.28	323.21	323.15	
19	323.05	323.01	323.16	323.23	323.14	323.40	323.58	323.87	323.37	323.29	323.20	323.15	
20	322.98	322.97	323.09	323.17	323.16	323.31	323.41	323.75	323.36	323.29	323.21	323.14	
21	322.99	322.95	323.28	323.15	323.15	323.23	323.40	323.67	323.36	323.29	323.21	323.14	
22	322.98	322.98	323.16	323.12	323.10	323.20	323.57	323.62	323.34	323.28	323.21	323.14	
23	322.97	323.06	323.15	323.18	323.08	323.58	323.40	323.60	323.35	323.28	323.21	323.13	
24	322.95	323.06	323.12	323.41	323.07	323.31	323.37	323.55	323.35	323.27	323.20	323.13	
25	322.96	323.16	323.09	323.26	323.07	323.24	323.31	323.55	323.33	323.27	323.19	323.13	
26	323.05	323.16	323.06	323.27	323.07	323.26	323.30	323.53	323.33	323.26	323.19	323.13	
27	323.06	323.09	323.06	323.21	323.06	323.23	323.32	323.52	323.33	323.26	323.17	323.13	
28	323.04	323.08	323.07	323.14	323.05	323.20	323.28	323.50	323.33	323.27	323.19	323.13	
29	322.96	323.45	323.08	323.12	323.06	323.55	323.25	323.50	323.33	323.27		323.13	
30	323.05	323.15	323.14	323.13	323.06	323.23	323.24	323.49	323.33	323.26		323.13	
31		323.10		323.12	323.05		323.23		323.31	323.26		323.13	
MEAN	322.99	323.02	323.06	323.15	323.09	323.32	323.43	323.83	323.38	323.29	323.22	323.16	
MAX	323.45	323.45	323.28	323.42	323.20	323.97	324.13	325.29	323.48	323.32	323.27	323.20	325.29
MIN	322.94	322.92	322.99	323.04	323.05	323.05	323.17	323.49	323.31	323.26	323.17	323.13	322.92

ANNUAL MAX MOMENTARY GAGE HEIGHT 326.50 M (MSL), AT 20.00 HOURS, ON NOV 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 322.20 M (MSL), RIVER BED 322.90 M (MSL)
LEFT BANK ELEVATION 328.83 M (MSL)
RIGHT BANK ELEVATION 328.37 M (MSL), DRAINAGE AREA 426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	1.35	2.50	3.71	3.50	2.50	38.64	26.79	7.14	4.70	3.95	2.75	
2	0.75	0.90	2.10	4.13	3.30	2.50	28.84	12.47	6.83	4.55	3.80	2.90	
3	0.75	0.90	2.10	3.30	3.10	2.50	22.88	12.30	6.68	4.40	3.80	2.75	
4	0.75	1.05	1.90	2.90	3.10	9.82	17.10	11.28	6.52	4.40	3.65	2.75	
5	0.90	0.75	2.10	2.50	2.90	4.55	13.30	10.60	6.52	4.55	3.65	2.75	
6	0.90	0.75	1.50	2.50	2.90	3.10	11.50	10.28	6.52	4.55	3.50	2.60	
7	0.90	0.45	1.35	2.30	2.90	2.90	9.01	9.64	6.37	4.55	3.50	2.90	
8	0.90	0.45	1.35	2.50	2.70	2.50	7.16	9.00	6.06	4.55	3.50	2.75	
9	0.60	0.45	1.50	2.50	2.70	2.50	6.38	8.38	5.90	4.55	3.20	2.60	
10	0.75	0.90	1.50	2.30	5.60	8.74	5.60	8.07	5.75	4.55	3.20	2.60	
11	0.90	1.05	2.90	3.10	3.50	9.55	5.39	7.76	5.75	4.55	3.05	2.45	
12	0.75	0.30	2.10	11.50	4.34	15.18	5.18	8.07	5.75	4.55	3.20	2.45	
13	0.75	0.30	1.90	4.76	4.13	18.50	4.97	31.77	5.60	4.40	3.05	2.30	
14	0.75	0.45	1.70	6.38	3.30	31.45	29.71	79.80	5.45	4.55	3.05	2.30	
15	0.75	0.75	1.90	7.16	3.10	22.50	10.90	46.60	5.60	4.55	3.05	2.30	
16	0.75	3.71	1.50	5.60	3.30	12.40	7.94	30.05	5.60	4.40	3.05	2.15	
17	0.90	1.35	3.50	4.34	3.71	17.80	7.42	22.92	5.60	4.40	3.05	2.15	
18	12.40	6.64	3.30	3.92	4.34	10.36	25.60	16.59	5.60	4.10	3.05	2.15	
19	2.50	1.70	4.76	6.38	4.34	10.90	16.46	13.49	5.45	4.25	2.90	2.15	
20	1.20	1.05	3.30	4.97	4.76	8.47	11.20	11.45	5.30	4.25	3.05	2.00	
21	1.35	0.75	7.68	4.55	4.55	6.38	10.90	10.12	5.30	4.25	3.05	2.00	
22	1.20	1.20	4.76	3.92	3.50	5.60	16.14	9.32	5.00	4.10	3.05	2.00	
23	1.05	2.70	4.55	5.18	3.10	16.46	10.90	9.00	5.15	4.10	3.05	1.85	
24	0.75	2.70	3.92	11.20	2.90	8.47	10.09	8.23	5.15	3.95	2.90	1.85	
25	0.90	4.76	3.30	7.16	2.90	6.64	8.47	8.23	4.85	3.95	2.75	1.85	
26	2.50	4.76	2.70	7.42	2.90	7.16	8.20	7.91	4.85	3.80	2.75	1.85	
27	2.70	3.30	2.70	5.86	2.70	6.38	8.74	7.76	4.85	3.80	2.45	1.85	
28	2.30	2.70	2.90	4.34	2.50	5.60	7.68	7.45	4.85	3.95	2.75	1.85	
29	0.90	12.40	3.10	3.92	2.70	15.50	6.90	7.45	4.85	3.95		1.85	
30	2.50	4.55	4.34	4.13	2.70	6.38	6.64	7.30	4.85	3.80		1.85	
31		3.50		3.92	2.50		6.38		4.55	3.80		1.85	
TOTAL	45.90	68.57	84.71	148.35	104.47	283.29	386.22	470.08	174.24	132.80	89.00	70.40	2058.03 CMSDAY
MEAN	1.53	2.21	2.82	4.79	3.37	9.44	12.46	15.67	5.62	4.28	3.18	2.27	5.64 CMS
MAX	12.40	12.40	7.68	11.50	5.60	31.45	38.64	79.80	7.14	4.70	3.95	2.90	79.80 CMS
MIN	0.60	0.30	1.35	2.30	2.50	2.50	4.97	7.30	4.55	3.80	2.45	1.85	0.30 CMS
RUNOFF	3.966	5.924	7.319	12.817	9.026	24.476	33.369	40.615	15.054	11.474	7.690	6.083	177.814 MCM

MOMENTARY PEAK 181.00 CMS, AT 326.50 M (MSL), AT 20.00 HOURS, ON NOV 13, 1985
RUNOFF YIELD 13.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 424.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

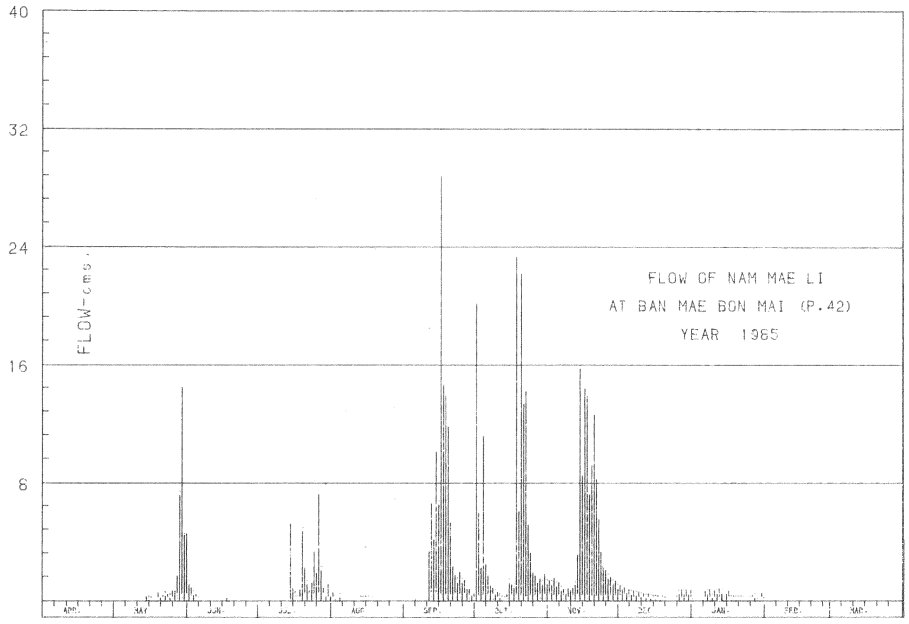
NAM MAE LI AT BAN MAE BON MAI, LAMPHUN (P.42)

LOCATION	LAT. 17-53-16 N., LONG. 99-05-20 E., ON RIGHT BANK AT BAN MAE BON MAI, KING AMPHOE THUNG HUA CHANG, LAMPHUN.
DRAINAGE AREA	315 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+500.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE TOP STAFF GAGE.
ELEVATION	+505.708 M. (M.S.L.)
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	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 153 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	500.13	500.11	500.80	500.39	500.61	500.44	502.42	500.80	500.73	500.47	500.45	500.36	
2	500.13	500.11	500.70	500.38	500.55	500.44	501.41	500.80	500.74	500.45	500.44	500.36	
3	500.12	500.11	500.65	500.38	500.51	500.44	501.00	500.83	500.70	500.45	500.42	500.36	
4	500.11	500.11	500.56	500.38	500.60	500.44	501.85	500.78	500.69	500.46	500.40	500.36	
5	500.11	500.11	500.51	500.38	500.52	500.44	501.03	500.77	500.67	500.52	500.39	500.36	
6	500.11	500.11	500.50	500.38	500.50	500.45	500.86	500.72	500.65	500.63	500.39	500.36	
7	500.11	500.11	500.48	500.38	500.50	500.43	500.79	500.67	500.64	500.66	500.38	500.36	
8	500.11	500.11	500.44	500.38	500.50	500.41	500.69	500.67	500.64	500.67	500.37	500.36	
9	500.11	500.11	500.43	500.38	500.49	500.41	500.66	500.68	500.62	500.59	500.37	500.36	
10	500.11	500.11	500.43	500.38	500.48	500.41	500.61	500.73	500.61	500.64	500.37	500.36	
11	500.11	500.11	500.43	500.38	500.47	501.13	500.58	500.69	500.59	500.67	500.37	500.36	
12	500.11	500.11	500.43	500.39	500.49	501.47	500.53	500.80	500.58	500.68	500.36	500.36	
13	500.11	500.38	500.43	500.39	500.53	501.25	500.52	501.08	500.58	500.68	500.36	500.36	
14	500.11	500.55	500.42	501.33	500.53	501.77	500.56	502.17	500.57	500.53	500.36	500.36	
15	500.11	500.53	500.42	500.75	500.53	501.49	500.82	501.64	500.55	500.67	500.36	500.36	
16	500.11	500.51	500.42	500.63	500.53	502.86	500.74	502.09	500.55	500.64	500.36	500.36	
17	500.11	500.50	500.53	500.53	500.51	502.10	500.76	502.04	500.54	500.54	500.36	500.36	
18	500.11	500.48	500.44	500.66	500.49	502.04	502.58	501.55	500.54	500.53	500.36	500.36	
19	500.11	500.60	500.40	501.31	500.49	501.92	501.44	501.70	500.53	500.53	500.36	500.36	
20	500.11	500.60	500.40	500.96	500.49	501.34	502.52	501.97	500.51	500.53	500.36	500.36	
21	500.11	500.54	500.40	500.80	500.50	501.01	502.02	501.62	500.50	500.53	500.36	500.36	
22	500.11	500.63	500.40	500.64	500.49	500.87	502.06	501.39	500.50	500.52	500.36	500.35	
23	500.11	500.57	500.40	500.83	500.49	500.83	501.35	501.11	500.49	500.52	500.36	500.35	
24	500.11	500.59	500.40	501.11	500.48	500.91	501.10	501.00	500.48	500.52	500.36	500.35	
25	500.11	500.64	500.40	500.95	500.48	500.83	500.95	500.93	500.53	500.52	500.36	500.35	
26	500.11	500.72	500.40	501.53	500.45	500.80	500.86	500.88	500.66	500.54	500.36	500.35	
27	500.11	500.86	500.40	500.97	500.45	500.75	500.83	500.84	500.66	500.59	500.36	500.34	
28	500.11	501.55	500.40	500.69	500.45	500.67	500.82	500.81	500.66	500.50	500.36	500.34	
29	500.11	502.08	500.40	500.63	500.45	500.64	500.80	500.79	500.66	500.52		500.34	
30	500.11	501.28	500.40	500.75	500.45	500.58	500.88	500.75	500.66	500.59		500.33	
31		501.26		500.63	500.45		500.81		500.65	500.48		500.33	
MEAN	500.11	500.52	500.46	500.67	500.50	500.99	501.12	501.11	500.60	500.56	500.37	500.35	
MAX	500.13	502.08	500.80	501.53	500.61	502.86	502.58	502.17	500.74	500.68	500.45	500.36	502.86
MIN	500.11	500.11	500.40	500.38	500.45	500.41	500.52	500.67	500.48	500.45	500.36	500.33	500.11

ANNUAL MAX MOMENTARY GAGE HEIGHT 503.58 M (MSL), AT 13.00 HOURS, ON SEP 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 500.10 M (MSL), RIVER BED 500.29 M (MSL)
LEFT BANK ELEVATION 506.38 M (MSL)
RIGHT BANK ELEVATION 505.52 M (MSL), DRAINAGE AREA 315 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.39	0.03	0.56	0.12	20.36	1.39	1.03	0.18	0.14	0.02	
2	0.00	0.00	0.88	0.02	0.39	0.12	6.00	1.39	1.08	0.14	0.12	0.02	
3	0.00	0.00	0.70	0.02	0.28	0.12	2.50	1.54	0.88	0.14	0.07	0.02	
4	0.00	0.00	0.41	0.02	0.52	0.12	11.15	1.29	0.84	0.16	0.03	0.02	
5	0.00	0.00	0.28	0.02	0.30	0.12	2.72	1.24	0.77	0.30	0.03	0.02	
6	0.00	0.00	0.25	0.02	0.25	0.14	1.70	0.98	0.70	0.63	0.03	0.02	
7	0.00	0.00	0.21	0.02	0.25	0.10	1.34	0.77	0.66	0.74	0.02	0.02	
8	0.00	0.00	0.12	0.02	0.25	0.05	0.84	0.77	0.66	0.77	0.02	0.02	
9	0.00	0.00	0.10	0.02	0.23	0.05	0.74	0.81	0.59	0.49	0.02	0.02	
10	0.00	0.00	0.10	0.02	0.21	0.05	0.56	1.03	0.56	0.66	0.02	0.02	
11	0.00	0.00	0.10	0.02	0.18	3.47	0.47	0.84	0.49	0.77	0.02	0.02	
12	0.00	0.00	0.10	0.03	0.23	6.60	0.33	1.39	0.47	0.81	0.02	0.02	
13	0.00	0.02	0.10	0.03	0.33	4.45	0.30	3.10	0.47	0.81	0.02	0.02	
14	0.00	0.39	0.07	5.20	0.33	10.11	0.41	15.99	0.44	0.33	0.02	0.02	
15	0.00	0.33	0.07	1.13	0.33	6.80	1.49	8.48	0.39	0.77	0.02	0.02	
16	0.00	0.28	0.07	0.63	0.33	28.80	1.08	14.65	0.39	0.66	0.02	0.02	
17	0.00	0.25	0.33	0.33	0.28	14.80	1.19	13.90	0.36	0.36	0.02	0.02	
18	0.00	0.21	0.12	0.74	0.23	13.90	23.32	7.45	0.36	0.33	0.02	0.02	
19	0.00	0.52	0.03	5.00	0.23	12.10	6.30	9.20	0.33	0.33	0.02	0.02	
20	0.00	0.52	0.03	2.26	0.23	5.30	22.18	12.85	0.28	0.33	0.02	0.02	
21	0.00	0.36	0.03	1.39	0.25	2.58	13.60	8.24	0.25	0.33	0.02	0.02	
22	0.00	0.63	0.03	0.66	0.23	1.75	14.20	5.80	0.25	0.30	0.02	0.02	
23	0.00	0.44	0.03	1.54	0.23	1.54	5.40	3.33	0.23	0.30	0.02	0.02	
24	0.00	0.49	0.03	3.33	0.21	1.96	3.25	2.50	0.21	0.30	0.02	0.02	
25	0.00	0.66	0.03	2.20	0.21	1.54	2.20	2.08	0.33	0.30	0.02	0.02	
26	0.00	0.98	0.03	7.23	0.14	1.39	1.70	1.80	0.74	0.36	0.02	0.02	
27	0.00	1.70	0.03	2.32	0.14	1.13	1.54	1.59	0.74	0.49	0.02	0.01	
28	0.00	7.45	0.03	0.84	0.14	0.77	1.49	1.44	0.74	0.25	0.02	0.01	
29	0.00	14.50	0.03	0.63	0.14	0.66	1.39	1.34	0.74	0.30		0.01	
30	0.00	4.72	0.03	1.13	0.14	0.47	1.80	1.13	0.74	0.49		0.01	
31		4.54		0.63	0.14		1.44		0.70	0.21		0.01	
TOTAL	0.00	38.99	5.76	37.48	7.91	121.11	152.99	128.31	17.42	13.34	0.86	0.57	524.74 CMSDAY
MEAN	0.00	1.26	0.19	1.21	0.26	4.04	4.94	4.28	0.56	0.43	0.03	0.02	1.44 CMS
MAX	0.00	14.50	1.39	7.23	0.56	28.80	23.32	15.99	1.08	0.81	0.14	0.02	28.80 CMS
MIN	0.00	0.00	0.03	0.02	0.14	0.05	0.30	0.77	0.21	0.14	0.02	0.01	0.00 CMS
RUNOFF	0.000	3.369	0.498	3.238	0.683	10.464	13.218	11.086	1.505	1.153	0.074	0.049	45.338 MCM

MOMENTARY PEAK 44.64 CMS, AT 503.58 M (MSL), AT 13.00 HOURS, ON SEP 16, 1985
RUNOFF YIELD 4.56 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 141.72 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

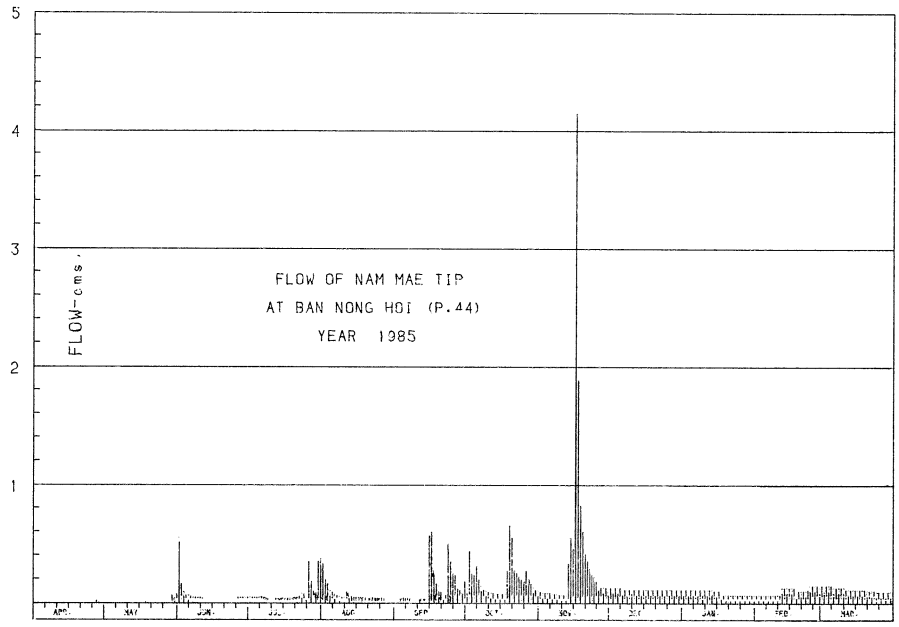
NAM MAE TIP AT BAN NONG HOI(1), LAMPHUN (P.44)

LOCATION	LAT. 18-35-12 N., LONG. 99-09-27 E., ON RIGHT BANK NEAR BAN NONG HOI SCHOOL, BAN NONG HOI, TAMBON MAKHUA CHAE, AMPHOE MUANG, LAMPHUN.
DRAINAGE AREA	35 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 71.20 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+4.332 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 TO DATE.
RATED BY FLOAT	-
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 105 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.42	0.13	0.32	0.11	0.21	0.18	0.21	0.20	0.15	0.22	
2	0.00	0.00	0.23	0.13	0.25	0.11	0.37	0.17	0.21	0.20	0.15	0.22	
3	0.00	0.00	0.18	0.13	0.23	0.11	0.30	0.17	0.21	0.20	0.15	0.22	
4	0.00	0.00	0.15	0.13	0.19	0.12	0.27	0.17	0.21	0.20	0.15	0.22	
5	0.00	0.00	0.15	0.13	0.18	0.12	0.31	0.17	0.21	0.20	0.15	0.22	
6	0.00	0.00	0.14	0.13	0.16	0.12	0.25	0.16	0.20	0.20	0.15	0.21	
7	0.00	0.00	0.13	0.13	0.15	0.11	0.22	0.16	0.20	0.20	0.15	0.21	
8	0.00	0.00	0.13	0.12	0.14	0.10	0.20	0.16	0.20	0.20	0.15	0.21	
9	0.00	0.00	0.13	0.11	0.13	0.10	0.19	0.15	0.20	0.20	0.15	0.21	
10	0.00	0.00	0.13	0.11	0.13	0.09	0.18	0.15	0.21	0.20	0.15	0.21	
11	0.00	0.00	0.12	0.10	0.18	0.14	0.17	0.15	0.20	0.20	0.15	0.20	
12	0.00	0.00	0.11	0.12	0.17	0.12	0.17	0.15	0.20	0.20	0.21	0.20	
13	0.00	0.00	0.10	0.12	0.14	0.11	0.16	0.32	0.20	0.20	0.21	0.20	
14	0.00	0.00	0.09	0.12	0.13	0.11	0.16	0.42	0.20	0.19	0.21	0.20	
15	0.00	0.00	0.09	0.12	0.13	0.44	0.16	0.38	0.20	0.19	0.21	0.20	
16	0.00	0.00	0.09	0.12	0.13	0.44	0.16	1.31	0.20	0.19	0.21	0.20	
17	0.00	0.00	0.09	0.12	0.13	0.29	0.16	0.83	0.20	0.16	0.21	0.20	
18	0.00	0.11	0.09	0.12	0.13	0.23	0.29	0.52	0.20	0.15	0.17	0.20	
19	0.00	0.06	0.10	0.12	0.12	0.22	0.46	0.44	0.20	0.15	0.19	0.20	
20	0.00	0.06	0.10	0.13	0.12	0.18	0.42	0.36	0.20	0.15	0.19	0.19	
21	0.00	0.06	0.09	0.13	0.12	0.16	0.29	0.33	0.20	0.15	0.19	0.19	
22	0.00	0.07	0.09	0.14	0.12	0.15	0.28	0.30	0.20	0.15	0.19	0.19	
23	0.00	0.10	0.09	0.17	0.12	0.40	0.26	0.27	0.20	0.15	0.20	0.19	
24	0.00	0.08	0.09	0.16	0.12	0.33	0.25	0.26	0.20	0.15	0.22	0.18	
25	0.00	0.08	0.11	0.15	0.12	0.28	0.24	0.24	0.20	0.15	0.22	0.18	
26	0.00	0.08	0.13	0.33	0.12	0.27	0.29	0.22	0.20	0.15	0.22	0.18	
27	0.10	0.08	0.13	0.24	0.11	0.23	0.25	0.21	0.20	0.15	0.22	0.18	
28	0.00	0.08	0.13	0.19	0.11	0.20	0.23	0.21	0.20	0.15	0.21	0.18	
29	0.00	0.15	0.13	0.17	0.11	0.17	0.21	0.21	0.20	0.15		0.18	
30	0.00	0.12	0.13	0.33	0.11	0.24	0.20	0.20	0.20	0.15		0.18	
31		0.16		0.34	0.11		0.19		0.20	0.15		0.18	
MEAN	0.00	0.04	0.13	0.15	0.15	0.19	0.24	0.30	0.20	0.18	0.18	0.20	
MAX	0.10	0.16	0.42	0.34	0.32	0.44	0.46	1.31	0.21	0.20	0.22	0.22	1.31
MIN	0.00	0.00	0.09	0.10	0.11	0.09	0.16	0.15	0.20	0.15	0.15	0.18	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.42 M (A.D), AT 6.00 HOURS, ON NOV 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.21 M (A.D)
LEFT BANK ELEVATION 1.70 M (A.D)
RIGHT BANK ELEVATION 2.16 M (A.D), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.552	0.047	0.332	0.029	0.128	0.092	0.128	0.110	0.065	0.146	
2	0.000	0.000	0.164	0.047	0.200	0.029	0.437	0.083	0.128	0.110	0.065	0.146	
3	0.000	0.000	0.092	0.047	0.164	0.029	0.290	0.083	0.128	0.110	0.065	0.146	
4	0.000	0.000	0.065	0.047	0.101	0.038	0.236	0.083	0.128	0.110	0.065	0.146	
5	0.000	0.000	0.065	0.047	0.092	0.038	0.311	0.083	0.128	0.110	0.065	0.146	
6	0.000	0.000	0.056	0.047	0.074	0.038	0.200	0.074	0.110	0.110	0.065	0.128	
7	0.000	0.000	0.047	0.047	0.065	0.029	0.146	0.074	0.110	0.110	0.065	0.128	
8	0.000	0.000	0.047	0.038	0.056	0.020	0.110	0.074	0.110	0.110	0.065	0.128	
9	0.000	0.000	0.047	0.029	0.047	0.020	0.101	0.065	0.110	0.110	0.065	0.128	
10	0.000	0.000	0.047	0.029	0.047	0.016	0.092	0.065	0.128	0.110	0.065	0.128	
11	0.000	0.000	0.038	0.020	0.092	0.056	0.083	0.065	0.110	0.110	0.065	0.110	
12	0.000	0.000	0.029	0.038	0.083	0.038	0.083	0.065	0.110	0.110	0.128	0.110	
13	0.000	0.000	0.020	0.038	0.056	0.029	0.074	0.332	0.110	0.110	0.128	0.110	
14	0.000	0.000	0.016	0.038	0.047	0.029	0.074	0.552	0.110	0.101	0.128	0.110	
15	0.000	0.000	0.016	0.038	0.047	0.604	0.074	0.458	0.110	0.101	0.128	0.110	
16	0.000	0.000	0.016	0.038	0.047	0.604	0.074	4.144	0.110	0.101	0.128	0.110	
17	0.000	0.000	0.016	0.038	0.047	0.272	0.074	1.887	0.110	0.074	0.128	0.110	
18	0.000	0.029	0.016	0.038	0.047	0.164	0.272	0.822	0.110	0.065	0.083	0.110	
19	0.000	0.004	0.020	0.038	0.038	0.146	0.656	0.604	0.110	0.065	0.101	0.110	
20	0.000	0.004	0.020	0.047	0.038	0.092	0.552	0.416	0.110	0.065	0.101	0.101	
21	0.000	0.004	0.016	0.047	0.038	0.074	0.272	0.353	0.110	0.065	0.101	0.101	
22	0.000	0.008	0.016	0.056	0.038	0.065	0.254	0.290	0.110	0.065	0.101	0.101	
23	0.000	0.020	0.016	0.083	0.038	0.500	0.218	0.236	0.110	0.065	0.110	0.101	
24	0.000	0.012	0.016	0.074	0.038	0.353	0.200	0.218	0.110	0.065	0.146	0.092	
25	0.000	0.012	0.029	0.065	0.038	0.254	0.182	0.182	0.110	0.065	0.146	0.092	
26	0.000	0.012	0.047	0.353	0.038	0.236	0.272	0.146	0.110	0.065	0.146	0.092	
27	0.020	0.012	0.047	0.182	0.029	0.164	0.200	0.128	0.110	0.065	0.146	0.092	
28	0.000	0.012	0.047	0.101	0.029	0.110	0.164	0.128	0.110	0.065	0.128	0.092	
29	0.000	0.065	0.047	0.083	0.029	0.083	0.128	0.128	0.110	0.065		0.092	
30	0.000	0.038	0.047	0.353	0.029	0.182	0.110	0.110	0.110	0.065		0.092	
31		0.074		0.374	0.029		0.101		0.110	0.065		0.092	
TOTAL	0.020	0.306	1.717	2.567	2.093	4.341	6.168	12.040	3.518	2.717	2.792	3.500	41.779 CMSDAY
MEAN	0.001	0.010	0.057	0.083	0.068	0.145	0.199	0.401	0.113	0.088	0.100	0.113	0.114 CMS
MAX	0.020	0.074	0.552	0.374	0.332	0.604	0.656	4.144	0.128	0.110	0.146	0.146	4.144 CMS
MIN	0.000	0.000	0.016	0.020	0.029	0.016	0.074	0.065	0.110	0.065	0.065	0.092	0.000 CMS
RUNOFF	0.002	0.026	0.148	0.222	0.181	0.375	0.533	1.040	0.304	0.235	0.241	0.302	3.610 MCM

MOMENTARY PEAK 4.74 CMS, AT 1.42 M (A.D), AT 6.00 HOURS, ON NOV 16, 1985
RUNOFF YIELD 3.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 135.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

KHLONG SUAN MAK AT BAN PONG NAM RON, KAMPHAENG PHET (P.47)

LOCATION	LAT. 16-20-03 N., LONG. 99-16-29 E., ON RIGHT BANK AT BAN PONG NAM RON, AMPHOE KHLONG LAN, KAMPHAENG PHET.
DRAINAGE AREA	521 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 9 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+4.740 M.(A.D.)
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	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
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 83 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

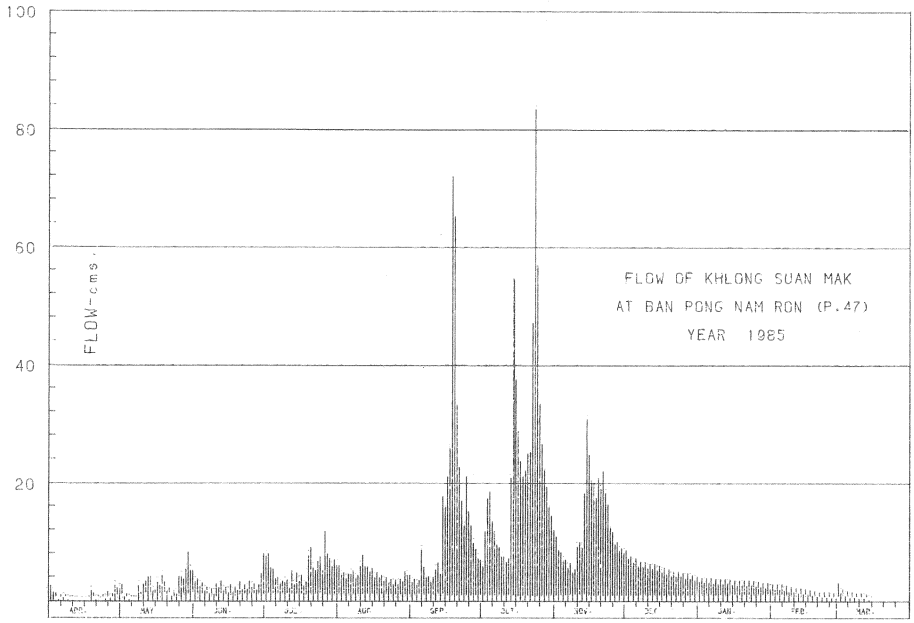
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.31	0.39	0.59	0.49	0.39	0.52	0.67	0.43	0.29	0.23	0.24	
2	0.27	0.22	0.37	0.57	0.45	0.37	0.70	0.62	0.41	0.28	0.23	0.20	
3	0.20	0.19	0.35	0.51	0.43	0.36	0.88	0.58	0.40	0.28	0.23	0.19	
4	0.17	0.18	0.33	0.46	0.42	0.36	0.89	0.55	0.39	0.28	0.23	0.17	
5	0.17	0.16	0.30	0.42	0.42	0.62	0.77	0.53	0.39	0.28	0.23	0.17	
6	0.20	0.15	0.28	0.39	0.46	0.48	0.70	0.51	0.37	0.28	0.22	0.16	
7	0.17	0.15	0.27	0.37	0.45	0.43	0.65	0.51	0.37	0.27	0.22	0.16	
8	0.17	0.35	0.26	0.35	0.42	0.40	0.61	0.47	0.37	0.27	0.21	0.16	
9	0.15	0.21	0.26	0.39	0.41	0.39	0.58	0.46	0.37	0.27	0.21	0.15	
10	0.15	0.37	0.32	0.36	0.52	0.39	0.55	0.47	0.36	0.27	0.21	0.15	
11	0.14	0.35	0.34	0.33	0.56	0.50	0.55	0.47	0.36	0.27	0.20	0.15	
12	0.14	0.44	0.35	0.45	0.52	0.51	0.54	0.47	0.36	0.27	0.20	0.15	
13	0.13	0.40	0.30	0.36	0.48	0.46	0.96	0.70	0.36	0.27	0.20	0.14	
14	0.13	0.29	0.28	0.43	0.48	0.87	1.43	1.04	0.35	0.27	0.19	0.13	
15	0.13	0.24	0.28	0.40	0.47	0.84	1.24	0.87	0.35	0.26	0.19	0.12	
16	0.13	0.39	0.31	0.41	0.43	0.95	1.10	0.77	0.34	0.26	0.19	0.11	
17	0.15	0.30	0.28	0.35	0.43	1.06	1.02	0.75	0.34	0.26	0.18	0.11	
18	0.29	0.45	0.28	0.34	0.43	1.58	0.95	0.70	0.33	0.26	0.18	0.11	
19	0.20	0.34	0.31	0.59	0.41	1.53	0.99	0.77	0.33	0.26	0.17	0.10	
20	0.17	0.29	0.34	0.61	0.40	1.17	1.03	0.74	0.32	0.26	0.17	0.10	
21	0.16	0.27	0.32	0.51	0.39	1.00	1.05	0.80	0.32	0.26	0.16	0.10	
22	0.13	0.23	0.31	0.45	0.38	0.85	1.35	0.72	0.32	0.26	0.16	0.10	
23	0.17	0.24	0.32	0.55	0.37	0.75	1.67	0.65	0.32	0.26	0.16	0.09	
24	0.18	0.26	0.35	0.55	0.37	0.95	1.45	0.56	0.32	0.26	0.16	0.09	
25	0.22	0.40	0.34	0.49	0.36	0.82	1.18	0.52	0.31	0.25	0.16	0.09	
26	0.19	0.44	0.32	0.70	0.37	0.73	1.06	0.48	0.31	0.25	0.15	0.09	
27	0.19	0.37	0.31	0.60	0.37	0.66	0.99	0.47	0.31	0.25	0.15	0.08	
28	0.35	0.50	0.31	0.54	0.40	0.60	0.91	0.45	0.31	0.24	0.15	0.08	
29	0.27	0.58	0.47	0.52	0.44	0.57	0.84	0.44	0.30	0.24		0.07	
30	0.32	0.49	0.57	0.53	0.45	0.53	0.78	0.44	0.30	0.24		0.07	
31		0.45		0.53	0.41		0.73		0.29	0.23		0.07	
MEAN	0.19	0.32	0.33	0.47	0.43	0.70	0.92	0.61	0.35	0.26	0.19	0.13	
MAX	0.35	0.58	0.57	0.70	0.56	1.58	1.67	1.04	0.43	0.29	0.23	0.24	1.67
MIN	0.13	0.15	0.26	0.33	0.36	0.36	0.52	0.44	0.29	0.23	0.15	0.07	0.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.85 M (A.D), AT 16.00 HOURS, ON OCT 23, 1985

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)

LEFT BANK ELEVATION M (A.D)

RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 521 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.60	2.76	4.04	8.54	6.00	4.04	6.72	10.90	8.62	4.18	2.86	3.08	
2	2.21	1.56	3.72	8.02	5.20	3.72	11.80	9.40	7.94	3.96	2.86	2.20	
3	1.30	1.21	3.40	6.46	4.80	3.56	18.14	8.28	7.60	3.96	2.86	2.03	
4	1.03	1.12	3.08	5.40	4.60	3.56	18.52	7.50	7.28	3.96	2.86	1.69	
5	1.03	0.94	2.60	4.60	4.60	9.40	14.11	6.98	7.28	3.96	2.86	1.69	
6	1.30	0.85	2.34	4.04	5.40	5.80	11.80	6.46	6.64	3.96	2.64	1.52	
7	1.03	0.85	2.21	3.72	5.20	4.80	10.30	6.46	6.64	3.74	2.64	1.52	
8	1.03	3.40	2.08	3.40	4.60	4.20	9.10	5.60	6.64	3.74	2.42	1.52	
9	0.85	1.43	2.08	4.04	4.40	4.04	8.28	5.40	6.64	3.74	2.42	1.35	
10	0.85	3.72	2.92	3.56	6.72	4.04	7.50	9.98	6.32	3.74	2.42	1.35	
11	0.76	3.40	3.24	3.08	7.76	6.20	7.50	9.98	6.32	3.74	2.20	1.35	
12	0.76	5.00	3.40	5.20	6.72	6.46	7.24	9.98	6.32	3.74	2.20	1.35	
13	0.67	4.20	2.60	3.56	5.80	5.40	21.54	18.20	6.32	3.74	2.20	1.18	
14	0.67	2.47	2.34	4.80	5.80	17.76	54.78	31.48	6.00	3.74	2.03	1.01	
15	0.67	1.82	2.34	4.20	5.60	16.62	38.16	24.73	6.00	3.52	2.03	0.84	
16	0.67	4.04	2.76	4.40	4.80	21.10	28.80	20.86	5.68	3.52	2.03	0.67	
17	0.85	2.60	2.34	3.40	4.80	26.60	24.40	20.10	5.68	3.52	1.86	0.67	
18	2.47	5.20	2.34	3.24	4.80	71.96	21.10	18.20	5.36	3.52	1.86	0.67	
19	1.30	3.24	2.76	8.54	4.40	65.86	22.86	20.86	5.36	3.52	1.69	0.50	
20	1.03	2.47	3.24	9.10	4.20	33.28	24.95	19.72	5.04	3.52	1.69	0.50	
21	0.94	2.21	2.92	6.46	4.04	23.30	26.05	22.00	5.04	3.52	1.52	0.50	
22	0.67	1.69	2.76	5.20	3.88	17.00	47.10	18.96	5.04	3.52	1.52	0.50	
23	1.03	1.82	2.92	7.50	3.72	13.45	83.92	16.35	5.04	3.52	1.52	0.45	
24	1.12	2.08	3.40	7.50	3.72	21.10	56.90	13.10	5.04	3.52	1.52	0.45	
25	1.56	4.20	3.24	6.00	3.56	15.86	33.92	11.70	4.72	3.30	1.52	0.45	
26	1.21	5.00	2.92	11.80	3.72	12.79	26.60	10.32	4.72	3.30	1.35	0.45	
27	1.21	3.72	2.76	8.80	3.72	10.60	22.86	9.98	4.72	3.30	1.35	0.40	
28	3.40	6.20	2.76	7.24	4.20	8.80	19.34	9.30	4.72	3.08	1.35	0.40	
29	2.21	8.28	5.60	6.72	5.00	8.02	16.62	8.96	4.40	3.08		0.35	
30	2.92	6.00	8.02	6.98	5.20	6.98	14.44	8.96	4.40	3.08		0.35	
31		5.20		6.98	4.40		12.79		4.18	2.86		0.35	
TOTAL	39.35	98.68	93.13	182.48	151.36	456.30	728.14	400.70	181.70	111.10	58.28	31.34	2532.56 CMSDAY
MEAN	1.31	3.18	3.10	5.89	4.88	15.21	23.49	13.36	5.86	3.58	2.08	1.01	6.94 CMS
MAX	3.40	8.28	8.02	11.80	7.76	71.96	83.92	31.48	8.62	4.18	2.86	3.08	83.92 CMS
MIN	0.67	0.85	2.08	3.08	3.56	3.56	6.72	5.40	4.18	2.86	1.35	0.35	0.35 CMS
RUNOFF	3.400	8.526	8.046	15.766	13.078	39.424	62.911	34.620	15.699	9.599	5.035	2.708	218.813 MCM

MOMENTARY PEAK 110.10 CMS, AT 1.85 M (A.D), AT 16.00 HOURS, ON OCT 23, 1985

RUNOFF YIELD 13.32 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 211.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

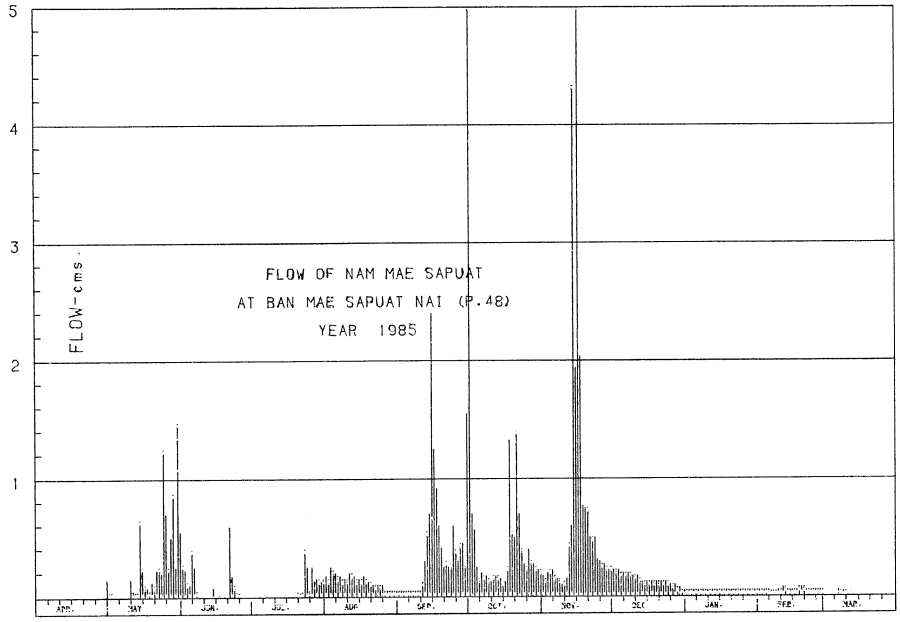
NAM MAE SAPUAT AT BAN MAE SAPUAT NAI, LAMPHUN (P.48)

LOCATION	LAT. 18-25-21 N., LONG. 99-05-15 E., ON RIGHT BANK ABOUT 4 KILOMETERS UPSTREAM FROM MAE SAPUAT RESERVOIR AT BAN MAE SAPUATNAI, TAMBON THA SOP SAO, AMPHOE MAE THA, LAMPHUN.
DRAINAGE AREA	74 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 22 METERS THE EAST OF THE TOP STAFF GAGE
ELEVATION	+2.20 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 FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.29	0.39	0.27	0.35	0.30	0.91	0.35	0.37	0.30	0.30	0.24	
2	0.24	0.29	0.37	0.27	0.34	0.30	0.48	0.34	0.37	0.30	0.30	0.24	
3	0.24	0.28	0.33	0.27	0.38	0.30	0.46	0.36	0.37	0.30	0.30	0.24	
4	0.24	0.27	0.32	0.26	0.37	0.30	0.38	0.37	0.36	0.30	0.30	0.24	
5	0.24	0.27	0.42	0.26	0.36	0.30	0.34	0.37	0.36	0.30	0.30	0.24	
6	0.24	0.27	0.38	0.26	0.35	0.30	0.36	0.35	0.36	0.30	0.29	0.24	
7	0.24	0.27	0.30	0.26	0.35	0.30	0.35	0.34	0.36	0.30	0.29	0.30	
8	0.24	0.27	0.28	0.26	0.34	0.30	0.35	0.34	0.36	0.30	0.29	0.29	
9	0.24	0.27	0.27	0.26	0.34	0.30	0.34	0.32	0.35	0.30	0.30	0.29	
10	0.24	0.35	0.27	0.26	0.34	0.30	0.33	0.33	0.35	0.30	0.30	0.29	
11	0.24	0.30	0.27	0.26	0.36	0.33	0.35	0.34	0.35	0.30	0.31	0.28	
12	0.24	0.29	0.27	0.26	0.36	0.40	0.35	0.43	0.34	0.30	0.31	0.28	
13	0.24	0.29	0.26	0.27	0.35	0.45	0.35	0.46	0.33	0.30	0.30	0.24	
14	0.24	0.47	0.31	0.27	0.34	0.48	0.34	0.85	0.33	0.30	0.30	0.24	
15	0.24	0.37	0.25	0.28	0.34	0.69	0.33	0.64	0.33	0.30	0.30	0.24	
16	0.24	0.32	0.25	0.28	0.34	0.56	0.33	1.01	0.33	0.30	0.30	0.24	
17	0.24	0.31	0.27	0.28	0.35	0.52	0.38	0.65	0.33	0.30	0.30	0.24	
18	0.24	0.30	0.25	0.28	0.34	0.46	0.57	0.50	0.33	0.30	0.31	0.24	
19	0.24	0.33	0.26	0.29	0.33	0.43	0.45	0.49	0.33	0.30	0.31	0.24	
20	0.24	0.32	0.25	0.29	0.33	0.38	0.44	0.49	0.33	0.30	0.31	0.24	
21	0.24	0.37	0.46	0.28	0.32	0.40	0.58	0.44	0.33	0.30	0.30	0.24	
22	0.24	0.38	0.35	0.29	0.32	0.38	0.48	0.44	0.33	0.30	0.30	0.24	
23	0.24	0.36	0.32	0.42	0.32	0.39	0.42	0.44	0.33	0.30	0.30	0.24	
24	0.24	0.56	0.29	0.38	0.32	0.46	0.39	0.41	0.33	0.30	0.30	0.24	
25	0.24	0.48	0.28	0.30	0.32	0.42	0.38	0.40	0.32	0.30	0.30	0.24	
26	0.24	0.38	0.28	0.38	0.30	0.40	0.42	0.39	0.32	0.30	0.30	0.24	
27	0.24	0.44	0.27	0.35	0.30	0.43	0.40	0.39	0.32	0.30	0.30	0.24	
28	0.24	0.51	0.27	0.34	0.30	0.43	0.39	0.38	0.31	0.30	0.30	0.24	
29	0.24	0.38	0.27	0.34	0.30	0.39	0.38	0.37	0.31	0.30		0.24	
30	0.34	0.59	0.27	0.33	0.30	0.60	0.37	0.38	0.30	0.30		0.24	
31		0.45		0.34	0.30		0.37		0.30	0.30		0.00	
MEAN	0.24	0.36	0.30	0.29	0.33	0.40	0.41	0.45	0.34	0.30	0.30	0.24	
MAX	0.34	0.59	0.46	0.42	0.38	0.69	0.91	1.01	0.37	0.30	0.31	0.30	1.01
MIN	0.24	0.27	0.25	0.26	0.30	0.30	0.33	0.32	0.30	0.30	0.29	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.50 M (A.D), AT 4.00 HOURS, ON OCT 1, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.24 M (A.D)
LEFT BANK ELEVATION 2.05 M (A.D)
RIGHT BANK ELEVATION 1.53 M (A.D), DRAINAGE AREA 74 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.040	0.275	0.020	0.175	0.050	5.155	0.175	0.225	0.050	0.050	0.000	
2	0.000	0.040	0.225	0.020	0.150	0.050	0.700	0.150	0.225	0.050	0.050	0.000	
3	0.000	0.030	0.125	0.020	0.250	0.050	0.600	0.200	0.225	0.050	0.050	0.000	
4	0.000	0.020	0.100	0.010	0.225	0.050	0.250	0.225	0.200	0.050	0.050	0.000	
5	0.000	0.020	0.400	0.010	0.200	0.050	0.150	0.225	0.200	0.050	0.050	0.000	
6	0.000	0.020	0.250	0.010	0.175	0.050	0.200	0.175	0.200	0.050	0.040	0.000	
7	0.000	0.020	0.050	0.010	0.175	0.050	0.175	0.150	0.200	0.050	0.040	0.050	
8	0.000	0.020	0.030	0.010	0.150	0.050	0.175	0.150	0.200	0.050	0.040	0.040	
9	0.000	0.020	0.020	0.010	0.150	0.050	0.150	0.100	0.175	0.050	0.050	0.040	
10	0.000	0.175	0.020	0.010	0.150	0.050	0.125	0.125	0.175	0.050	0.050	0.040	
11	0.000	0.050	0.020	0.010	0.200	0.125	0.175	0.150	0.175	0.050	0.075	0.030	
12	0.000	0.040	0.020	0.010	0.200	0.300	0.175	0.450	0.150	0.050	0.075	0.030	
13	0.000	0.040	0.010	0.020	0.175	0.550	0.175	0.600	0.125	0.050	0.050	0.000	
14	0.000	0.650	0.075	0.020	0.150	0.700	0.150	4.330	0.125	0.050	0.050	0.000	
15	0.000	0.225	0.000	0.030	0.150	2.423	0.125	1.938	0.125	0.050	0.050	0.000	
16	0.000	0.100	0.000	0.030	0.150	1.250	0.125	6.725	0.125	0.050	0.050	0.000	
17	0.000	0.075	0.020	0.030	0.175	0.950	0.250	2.035	0.125	0.050	0.050	0.000	
18	0.000	0.050	0.000	0.030	0.150	0.600	1.325	0.800	0.125	0.050	0.075	0.000	
19	0.000	0.125	0.010	0.040	0.125	0.450	0.550	0.750	0.125	0.050	0.075	0.000	
20	0.000	0.100	0.000	0.040	0.125	0.250	0.500	0.750	0.125	0.050	0.075	0.000	
21	0.000	0.225	0.600	0.030	0.100	0.300	1.400	0.500	0.125	0.050	0.050	0.000	
22	0.000	0.250	0.175	0.040	0.100	0.250	0.700	0.500	0.125	0.050	0.050	0.000	
23	0.000	0.200	0.100	0.400	0.100	0.275	0.400	0.500	0.125	0.050	0.050	0.000	
24	0.000	1.250	0.040	0.250	0.100	0.600	0.275	0.350	0.125	0.050	0.050	0.000	
25	0.000	0.700	0.030	0.050	0.100	0.400	0.250	0.300	0.100	0.050	0.050	0.000	
26	0.000	0.250	0.030	0.250	0.050	0.300	0.400	0.275	0.100	0.050	0.050	0.000	
27	0.000	0.500	0.020	0.175	0.050	0.450	0.300	0.275	0.100	0.050	0.050	0.000	
28	0.000	0.875	0.020	0.150	0.050	0.450	0.275	0.250	0.075	0.050	0.050	0.000	
29	0.000	0.250	0.020	0.150	0.050	0.275	0.250	0.225	0.075	0.050		0.000	
30	0.150	1.475	0.020	0.125	0.050	1.550	0.225	0.250	0.050	0.050		0.000	
31		0.550		0.150	0.050		0.225		0.050	0.050		0.000	
TOTAL	0.150	8.385	2.705	2.160	4.200	12.948	15.930	23.628	4.400	1.550	1.495	0.230	77.781 CMSDAY
MEAN	0.005	0.270	0.090	0.070	0.135	0.432	0.514	0.788	0.142	0.050	0.053	0.007	0.213 CMS
MAX	0.150	1.475	0.600	0.400	0.250	2.423	5.155	6.725	0.225	0.050	0.075	0.050	6.725 CMS
MIN	0.000	0.020	0.000	0.010	0.050	0.050	0.125	0.100	0.050	0.050	0.040	0.000	0.000 CMS
RUNOFF	0.013	0.724	0.234	0.187	0.363	1.119	1.376	2.041	0.380	0.134	0.129	0.020	6.720 MCM

MOMENTARY PEAK 18.05 CMS, AT 1.50 M (A.D), AT 4.00 HOURS, ON OCT 1, 1985
RUNOFF YIELD 2.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 243.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PING RIVER BASIN

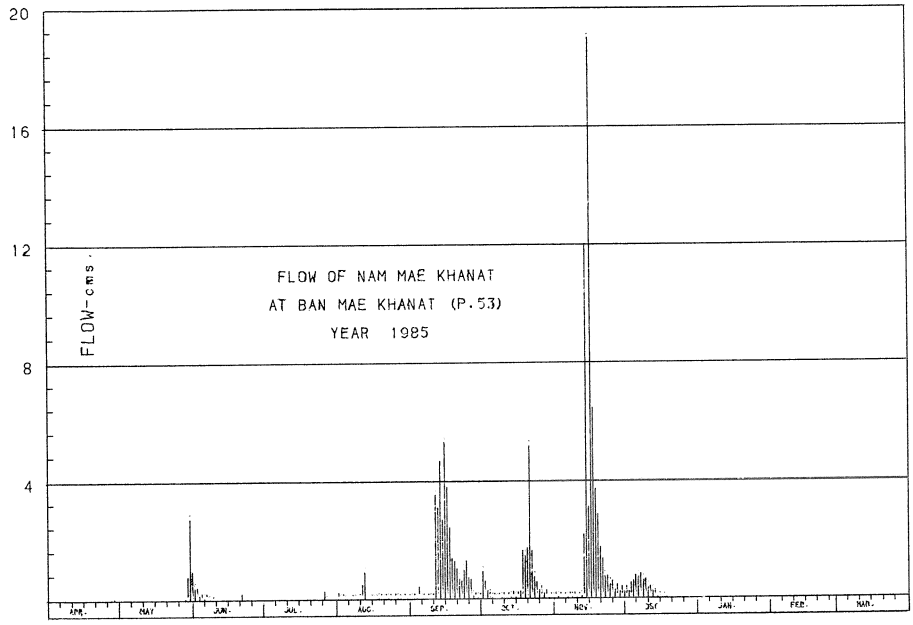
NAM MAE KHANAT AT BAN MAE KHANAT, LAMPHUN (P.53)

LOCATION	LAT. 18-23-11 N., LONG. 99-00-37 E., ON RIGHT BANK AT BAN MAE KHANAT, AMPHOE MAE THA, LAMPHUN.
DRAINAGE AREA	146 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 20 METERS NORTH OF THE TOP STAFF GAGE.
ELEVATION	+5.245 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	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW AFFECTED BY LOCAL RESIDENT WEIR ABOUT 300 METERS DOWNSTREAM FROM GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 98 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.48	0.69	0.21	0.59	0.57	0.78	0.58	0.52	0.59	0.56	0.47	
2	0.03	0.48	0.65	0.20	0.57	0.57	0.70	0.59	0.52	0.59	0.56	0.52	
3	0.02	0.47	0.62	0.20	0.57	0.58	0.66	0.58	0.54	0.59	0.56	0.53	
4	0.02	0.45	0.59	0.20	0.56	0.65	0.62	0.57	0.58	0.60	0.52	0.53	
5	0.02	0.42	0.59	0.20	0.55	0.57	0.58	0.57	0.58	0.59	0.55	0.51	
6	0.02	0.40	0.59	0.19	0.55	0.57	0.57	0.58	0.60	0.56	0.55	0.50	
7	0.02	0.35	0.56	0.19	0.56	0.57	0.56	0.58	0.59	0.52	0.55	0.50	
8	0.02	0.27	0.55	0.19	0.56	0.57	0.57	0.58	0.58	0.56	0.55	0.50	
9	0.02	0.21	0.54	0.19	0.56	0.57	0.58	0.58	0.56	0.57	0.55	0.50	
10	0.02	0.49	0.53	0.19	0.57	0.57	0.58	0.58	0.54	0.56	0.55	0.50	
11	0.02	0.48	0.53	0.18	0.67	1.05	0.57	0.57	0.52	0.57	0.55	0.49	
12	0.02	0.48	0.50	0.19	0.78	1.00	0.58	0.60	0.52	0.55	0.55	0.48	
13	0.02	0.47	0.48	0.19	0.61	1.15	0.59	0.91	0.50	0.57	0.54	0.45	
14	0.02	0.46	0.50	0.28	0.56	0.96	0.60	1.70	0.47	0.58	0.54	0.43	
15	0.02	0.50	0.51	0.38	0.56	1.20	0.59	1.00	0.46	0.58	0.54	0.42	
16	0.02	0.48	0.51	0.24	0.56	1.06	0.59	2.17	0.46	0.58	0.54	0.41	
17	0.02	0.48	0.51	0.21	0.56	0.95	0.65	1.28	0.45	0.57	0.54	0.41	
18	0.02	0.48	0.50	0.20	0.58	0.82	0.85	0.91	0.52	0.57	0.49	0.40	
19	0.02	0.47	0.50	0.19	0.57	0.83	0.85	0.81	0.57	0.57	0.50	0.40	
20	0.02	0.48	0.51	0.20	0.57	0.77	0.86	0.71	0.58	0.57	0.51	0.41	
21	0.02	0.48	0.62	0.19	0.57	0.74	1.19	0.65	0.58	0.56	0.53	0.41	
22	0.02	0.48	0.55	0.19	0.58	0.70	0.85	0.60	0.59	0.55	0.53	0.41	
23	0.02	0.49	0.53	0.20	0.57	0.79	0.75	0.58	0.59	0.55	0.53	0.41	
24	0.02	0.49	0.53	0.20	0.56	0.81	0.69	0.56	0.57	0.53	0.53	0.41	
25	0.02	0.49	0.52	0.38	0.58	0.75	0.67	0.55	0.57	0.55	0.42	0.41	
26	0.02	0.49	0.52	0.61	0.58	0.71	0.65	0.53	0.56	0.55	0.46	0.41	
27	0.50	0.48	0.52	0.54	0.56	0.61	0.63	0.53	0.56	0.56	0.48	0.41	
28	0.50	0.54	0.52	0.43	0.56	0.58	0.61	0.52	0.56	0.53	0.52	0.40	
29	0.50	0.73	0.52	0.34	0.57	0.58	0.57	0.52	0.56	0.56		0.39	
30	0.49	0.98	0.53	0.34	0.57	0.57	0.57	0.52	0.56	0.56		0.38	
31		0.76		0.33	0.56		0.57		0.56	0.56		0.38	
MEAN	0.08	0.49	0.54	0.26	0.58	0.75	0.67	0.73	0.55	0.56	0.53	0.44	
MAX	0.50	0.98	0.69	0.61	0.78	1.20	1.19	2.17	0.60	0.60	0.56	0.53	2.17
MIN	0.02	0.21	0.48	0.18	0.55	0.57	0.56	0.52	0.45	0.52	0.42	0.38	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.36 M (A.D), AT 16.00 HOURS, ON NOV 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.21 M (A.D)
LEFT BANK ELEVATION 4.63 M (A.D)
RIGHT BANK ELEVATION 8.88 M (A.D), DRAINAGE AREA 146 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.032	0.563	0.000	0.211	0.173	1.080	0.192	0.396	0.000	0.000	0.000	
2	0.000	0.032	0.415	0.000	0.173	0.173	0.600	0.211	0.396	0.000	0.000	0.000	
3	0.000	0.028	0.304	0.000	0.173	0.192	0.452	0.192	0.522	0.000	0.000	0.000	
4	0.000	0.020	0.211	0.000	0.154	0.415	0.304	0.173	0.774	0.000	0.000	0.000	
5	0.000	0.008	0.211	0.000	0.135	0.173	0.192	0.173	0.774	0.000	0.000	0.000	
6	0.000	0.000	0.211	0.000	0.135	0.173	0.173	0.192	0.900	0.000	0.000	0.000	
7	0.000	0.000	0.154	0.000	0.154	0.173	0.154	0.192	0.837	0.000	0.000	0.000	
8	0.000	0.000	0.135	0.000	0.154	0.173	0.173	0.192	0.774	0.000	0.000	0.000	
9	0.000	0.000	0.116	0.000	0.154	0.173	0.192	0.192	0.648	0.000	0.000	0.000	
10	0.000	0.036	0.097	0.000	0.173	0.173	0.192	0.192	0.522	0.000	0.000	0.000	
11	0.000	0.032	0.097	0.000	0.489	3.675	0.173	0.173	0.396	0.000	0.000	0.000	
12	0.000	0.032	0.040	0.000	1.080	3.100	0.192	0.230	0.396	0.000	0.000	0.000	
13	0.000	0.028	0.032	0.000	0.267	4.850	0.211	2.164	0.270	0.000	0.000	0.000	
14	0.000	0.024	0.040	0.000	0.154	2.684	0.230	12.100	0.195	0.000	0.000	0.000	
15	0.000	0.040	0.059	0.000	0.154	5.450	0.211	3.100	0.170	0.000	0.000	0.000	
16	0.000	0.032	0.059	0.000	0.154	3.790	0.211	19.135	0.170	0.000	0.000	0.000	
17	0.000	0.032	0.059	0.000	0.154	2.580	0.415	6.450	0.145	0.000	0.000	0.000	
18	0.000	0.032	0.040	0.000	0.192	1.372	1.630	3.855	0.000	0.000	0.000	0.000	
19	0.000	0.028	0.040	0.000	0.173	1.458	1.630	2.850	0.000	0.000	0.000	0.000	
20	0.000	0.032	0.059	0.000	0.173	1.020	1.716	1.895	0.000	0.000	0.000	0.000	
21	0.000	0.032	0.304	0.000	0.173	0.840	5.330	1.350	0.000	0.000	0.000	0.000	
22	0.000	0.032	0.135	0.000	0.192	0.600	1.630	0.900	0.000	0.000	0.000	0.000	
23	0.000	0.036	0.097	0.000	0.173	1.140	0.900	0.774	0.000	0.000	0.000	0.000	
24	0.000	0.036	0.097	0.000	0.154	1.286	0.563	0.648	0.000	0.000	0.000	0.000	
25	0.000	0.036	0.078	0.000	0.192	0.900	0.489	0.585	0.000	0.000	0.000	0.000	
26	0.000	0.036	0.078	0.267	0.192	0.660	0.415	0.459	0.000	0.000	0.000	0.000	
27	0.040	0.032	0.078	0.116	0.154	0.267	0.341	0.459	0.000	0.000	0.000	0.000	
28	0.040	0.116	0.078	0.012	0.154	0.192	0.267	0.396	0.000	0.000	0.000	0.000	
29	0.040	0.780	0.078	0.000	0.173	0.192	0.173	0.396	0.000	0.000		0.000	
30	0.036	2.892	0.097	0.000	0.173	0.173	0.173	0.396	0.000	0.000		0.000	
31		0.960		0.000	0.154		0.173		0.000	0.000		0.000	
TOTAL	0.156	5.456	4.062	0.395	6.490	38.220	20.585	60.216	8.285	0.000	0.000	0.000	143.865 CMSDAY
MEAN	0.005	0.176	0.135	0.013	0.209	1.274	0.664	2.007	0.267	0.000	0.000	0.000	0.394 CMS
MAX	0.040	2.892	0.563	0.267	1.080	5.450	5.330	19.135	0.900	0.000	0.000	0.000	19.135 CMS
MIN	0.000	0.000	0.032	0.000	0.135	0.173	0.154	0.173	0.000	0.000	0.000	0.000	0.000 CMS
RUNOFF	0.013	0.471	0.351	0.034	0.561	3.302	1.779	5.203	0.716	0.000	0.000	0.000	12.430 MCM

MOMENTARY PEAK 22.10 CMS, AT 2.36 M (A.D), AT 16.00 HOURS, ON NOV 16, 1985

RUNOFF YIELD 2.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3.227 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

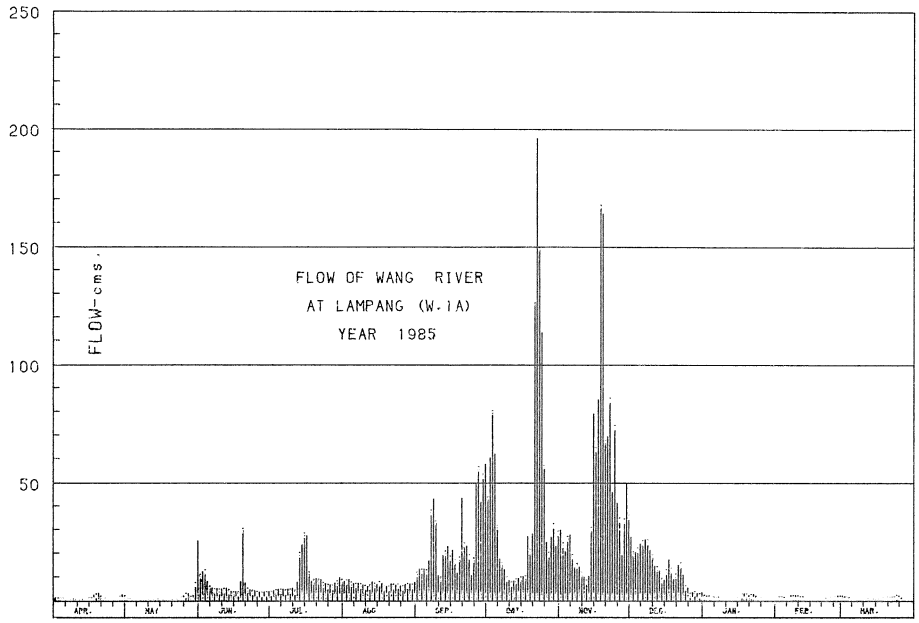
WANG RIVER AT LAMPANG, LAMPANG (W.1A)

LOCATION	LAT. 18-17-24 N., LONG. 99-29-40 E., ON LEFT BANK ABOUT 300 METERS UPSTREAM FROM PHATTHANA PHAK NUA 1, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	3,481 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+227.80 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+234.247 M. (M.S.L.)
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	1967 TO DATE.
RATED BY FLOAT	-
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 55 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	227.79	227.77	228.34	227.96	228.20	228.38	229.29	228.95	228.87	227.86	227.81	227.84	
2	227.78	227.74	228.39	227.98	228.23	228.43	229.62	228.80	228.69	227.84	227.82	227.82	
3	227.78	227.72	228.42	228.00	228.24	228.43	229.96	228.69	228.68	227.84	227.82	227.81	
4	227.78	227.71	228.21	228.01	228.19	228.43	229.65	228.88	228.74	227.81	227.79	227.78	
5	227.77	227.70	228.09	228.02	228.15	228.42	229.00	228.90	228.79	227.81	227.79	227.75	
6	227.76	227.70	228.05	228.01	228.16	228.56	228.59	228.65	228.83	227.81	227.81	227.75	
7	227.76	227.69	228.03	228.00	228.16	229.16	228.53	228.45	228.84	227.81	227.85	227.75	
8	227.75	227.70	228.03	228.01	228.15	229.27	228.42	228.52	228.84	227.80	227.85	227.75	
9	227.74	227.70	228.02	228.02	228.12	229.05	228.29	228.46	228.71	227.79	227.85	227.76	
10	227.75	227.71	228.02	228.03	228.11	228.32	228.22	228.37	228.65	227.77	227.85	227.77	
11	227.76	227.72	228.04	227.99	228.08	228.29	228.19	228.29	228.48	227.77	227.82	227.75	
12	227.74	227.73	228.04	228.18	228.12	228.64	228.21	228.23	228.47	227.76	227.82	227.75	
13	227.74	227.74	228.01	228.68	228.19	228.70	228.25	228.30	228.40	227.74	227.75	227.74	
14	227.76	227.73	227.96	228.78	228.16	228.76	228.26	228.98	228.26	227.74	227.73	227.73	
15	227.79	227.72	227.95	228.92	228.13	228.63	228.29	229.94	228.23	227.77	227.74	227.72	
16	227.80	227.68	227.95	228.89	228.20	228.71	228.30	229.70	228.42	227.77	227.74	227.74	
17	227.86	227.66	227.95	228.38	228.15	228.58	228.31	230.03	228.58	227.89	227.74	227.77	
18	227.90	227.67	228.20	228.21	228.10	228.36	228.88	230.91	228.44	227.89	227.74	227.79	
19	227.91	227.68	228.97	228.24	228.08	228.62	228.72	230.88	228.24	227.89	227.73	227.80	
20	227.84	227.67	228.17	228.26	228.09	229.28	228.91	229.75	228.35	227.85	227.73	227.81	
21	227.79	227.63	228.04	228.24	228.14	228.80	230.53	229.78	228.49	227.88	227.74	227.81	
22	227.78	227.68	228.00	228.24	228.14	228.76	231.11	230.04	228.53	227.88	227.75	227.81	
23	227.76	227.74	227.99	228.18	228.11	228.65	230.76	229.33	228.33	227.83	227.76	227.82	
24	227.75	227.81	227.98	228.15	228.14	228.32	230.39	229.86	228.10	227.80	227.80	227.86	
25	227.74	227.84	227.96	228.13	228.09	228.61	229.56	229.23	228.04	227.79	227.80	227.84	
26	227.74	227.91	227.94	228.12	228.10	229.40	228.81	229.08	227.91	227.79	227.82	227.77	
27	227.75	227.90	227.94	228.12	228.13	229.55	228.68	228.64	227.92	227.80	227.84	227.74	
28	227.83	227.83	227.94	228.16	228.15	229.24	228.87	229.07	227.95	227.79	227.84	227.76	
29	227.87	227.85	227.95	228.21	228.14	229.49	229.02	229.40	227.90	227.80		227.78	
30	227.84	228.18	227.95	228.28	228.14	229.57	228.76	229.11	227.90	227.79		227.81	
31		228.83		228.24	228.18		228.94		227.92	227.79		227.82	
MEAN	227.79	227.79	228.08	228.21	228.14	228.78	229.01	229.17	228.40	227.81	227.79	227.78	
MAX	227.91	228.83	228.97	228.92	228.24	229.57	231.11	230.91	228.87	227.89	227.85	227.86	231.11
MIN	227.74	227.63	227.94	227.96	228.08	228.29	228.19	228.23	227.90	227.74	227.73	227.72	227.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 231.32 M (MSL), AT 11.00 HOURS, ON OCT 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 227.80 M (MSL), RIVER BED 226.82 M (MSL)
LEFT BANK ELEVATION 233.96 M (MSL)
RIGHT BANK ELEVATION 232.53 M (MSL), DRAINAGE AREA 3481 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.52	1.36	11.36	4.16	8.30	12.32	44.07	30.00	26.95	2.56	1.76	2.24	
2	1.44	1.12	12.56	4.48	8.93	13.58	60.68	24.50	20.88	2.24	1.92	1.92	
3	1.44	0.96	13.32	4.80	9.14	13.58	80.64	20.88	20.56	2.24	1.92	1.76	
4	1.44	0.88	8.51	4.97	8.12	13.58	62.30	27.30	22.52	1.76	1.52	1.44	
5	1.36	0.80	6.33	5.14	7.40	13.32	32.00	28.00	24.17	1.76	1.52	1.20	
6	1.28	0.80	5.65	4.97	7.58	16.96	17.74	19.60	25.55	1.76	1.76	1.20	
7	1.28	0.76	5.31	4.80	7.58	38.52	16.18	14.10	25.90	1.76	2.40	1.20	
8	1.20	0.80	5.31	4.97	7.40	43.21	13.32	15.92	25.90	1.60	2.40	1.20	
9	1.12	0.80	5.14	5.14	6.86	34.00	10.19	14.36	21.53	1.52	2.40	1.28	
10	1.20	0.88	5.14	5.31	6.68	10.88	8.72	12.08	19.60	1.36	2.40	1.36	
11	1.28	0.96	5.48	4.64	6.16	10.19	8.12	10.19	14.88	1.36	1.92	1.20	
12	1.12	1.04	5.48	7.94	6.86	19.28	8.51	8.93	14.62	1.28	1.92	1.20	
13	1.12	1.12	4.97	20.56	8.12	21.20	9.35	10.40	12.80	1.12	1.20	1.12	
14	1.28	1.04	4.16	23.84	7.58	23.18	9.56	31.20	9.56	1.12	1.04	1.04	
15	1.52	0.96	4.00	28.80	7.04	18.96	10.19	79.36	8.93	1.36	1.12	0.96	
16	1.60	0.72	4.00	27.65	8.30	21.53	10.40	65.00	13.32	1.36	1.12	1.12	
17	2.56	0.64	4.00	12.32	7.40	17.48	10.64	85.30	17.48	3.04	1.12	1.36	
18	3.20	0.68	8.30	8.51	6.50	11.84	27.30	167.85	13.84	3.04	1.12	1.52	
19	3.36	0.72	30.80	9.14	6.16	18.64	21.86	164.10	9.14	3.04	1.04	1.60	
20	2.24	0.68	7.76	9.56	6.33	43.64	28.40	67.90	11.60	2.40	1.04	1.76	
21	1.52	0.52	5.48	9.14	7.22	24.50	126.35	69.64	15.14	2.88	1.12	1.76	
22	1.44	0.72	4.80	9.14	7.22	23.18	196.01	86.00	16.18	2.88	1.20	1.76	
23	1.28	1.12	4.64	7.94	6.68	19.60	149.70	45.97	11.12	2.08	1.28	1.92	
24	1.20	1.76	4.48	7.40	7.22	10.88	113.65	74.40	6.50	1.60	1.60	2.56	
25	1.12	2.24	4.16	7.04	6.33	18.32	57.48	41.49	5.48	1.52	1.60	2.24	
26	1.12	3.36	3.84	6.86	6.50	49.40	24.85	35.20	3.36	1.52	1.92	1.36	
27	1.20	3.20	3.84	6.86	7.04	56.95	20.56	19.28	3.52	1.60	2.24	1.12	
28	2.08	2.08	3.84	7.58	7.40	41.92	26.95	34.80	4.00	1.52	2.24	1.28	
29	2.72	2.40	4.00	8.51	7.22	53.81	32.80	49.40	3.20	1.60		1.44	
30	2.24	7.94	4.00	9.98	7.22	58.01	23.18	36.42	3.20	1.52		1.76	
31		25.55		9.14	7.94		29.60		3.52	1.52		1.92	
TOTAL	48.48	68.61	200.66	291.29	226.43	772.46	1291.30	1389.57	434.95	57.92	45.84	46.80	4874.31 CMSDAY
MEAN	1.62	2.21	6.69	9.40	7.30	25.75	41.65	46.32	14.03	1.87	1.64	1.51	13.35 CMS
MAX	3.36	25.55	30.80	28.80	9.14	58.01	196.01	167.85	26.95	3.04	2.40	2.56	196.01 CMS
MIN	1.12	0.52	3.84	4.16	6.16	10.19	8.12	8.93	3.20	1.12	1.04	0.96	0.52 CMS
RUNOFF	4.189	5.928	17.337	25.167	19.564	66.741	111.568	120.059	37.580	5.004	3.961	4.044	421.140 MCM

MOMENTARY PEAK 231.80 CMS, AT 231.32 M (MSL), AT 11.00 HOURS, ON OCT 22, 1985

RUNOFF YIELD 3.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 66.59 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

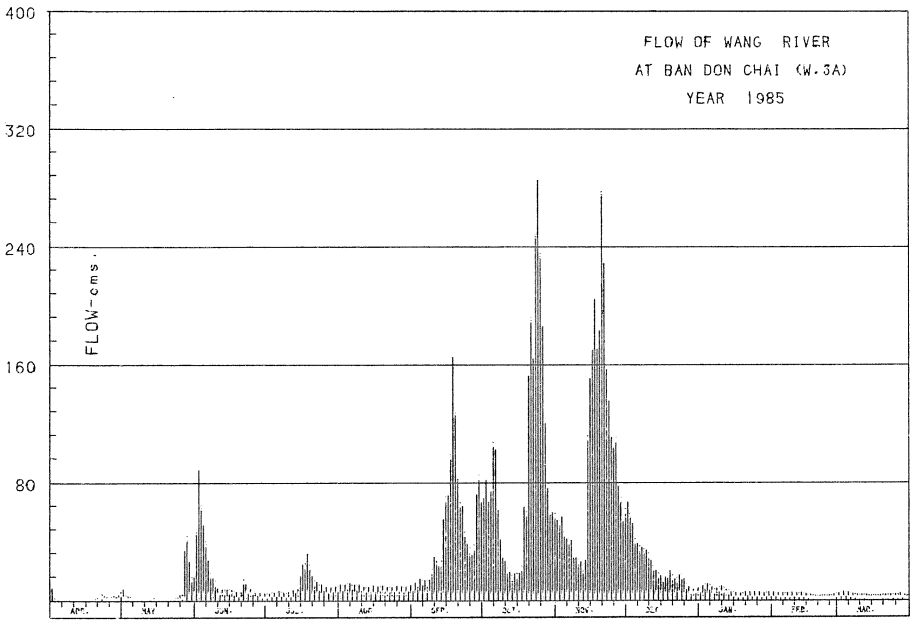
WANG RIVER AT BAN DON CHAI, LAMPANG (W.3A)

LOCATION	LAT. 17-38-29 N., LONG. 99-14-04 E., ON RIGHT BANK ABOUT 30 METERS UPSTREAM FROM SIRIYONG BRIDGE, AMPHOE THOEN, LAMPANG.
DRAINAGE AREA	8,985 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+161.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 15 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+167.074 M.(M.S.L.).
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 FLOAT	-
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 32 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	161.63	161.61	162.58	161.49	161.72	161.71	162.99	162.69	162.89	161.64	161.52	161.48	
2	161.25	161.41	163.20	161.49	161.71	161.76	163.11	162.69	162.77	161.69	161.51	161.51	
3	161.23	161.37	162.86	161.53	161.72	161.79	162.95	162.73	162.65	161.72	161.50	161.53	
4	161.21	161.34	162.63	161.52	161.74	161.84	163.00	162.55	162.46	161.73	161.50	161.53	
5	161.23	161.32	162.43	161.54	161.75	161.82	163.44	162.46	162.40	161.71	161.50	161.51	
6	161.25	161.28	162.16	161.56	161.72	161.81	163.38	162.46	162.37	161.65	161.49	161.48	
7	161.25	161.27	161.96	161.54	161.72	161.80	162.86	162.44	162.35	161.60	161.49	161.46	
8	161.24	161.26	161.85	161.52	161.72	161.82	162.45	162.28	162.33	161.62	161.49	161.44	
9	161.21	161.24	161.80	161.51	161.72	162.03	162.28	162.20	162.31	161.65	161.51	161.43	
10	161.19	161.28	161.63	161.53	161.70	162.21	162.15	162.18	162.27	161.68	161.51	161.42	
11	161.19	161.31	161.60	161.54	161.67	162.24	162.04	162.14	162.16	161.64	161.49	161.42	
12	161.19	161.32	161.60	161.58	161.66	162.07	161.97	162.09	162.08	161.59	161.49	161.42	
13	161.17	161.33	161.60	161.64	161.66	162.16	161.91	162.16	162.00	161.56	161.50	161.41	
14	161.17	161.26	161.60	161.61	161.68	162.70	161.94	163.49	161.95	161.53	161.49	161.39	
15	161.17	161.26	161.60	161.99	161.70	162.95	161.95	163.92	161.90	161.52	161.46	161.39	
16	161.16	161.23	161.59	162.10	161.69	162.96	161.95	164.15	161.88	161.50	161.43	161.40	
17	161.16	161.24	161.57	162.12	161.68	163.34	162.08	164.46	161.87	161.48	161.42	161.39	
18	161.19	161.24	161.54	162.26	161.69	164.07	162.84	164.16	161.96	161.48	161.39	161.39	
19	161.26	161.25	161.53	162.10	161.70	163.69	162.79	164.25	162.00	161.50	161.37	161.40	
20	161.28	161.22	161.53	161.90	161.68	163.12	163.94	165.13	161.91	161.53	161.36	161.42	
21	161.32	161.21	161.83	161.80	161.66	162.89	164.34	164.69	161.83	161.55	161.37	161.42	
22	161.45	161.21	161.73	161.78	161.66	162.85	164.06	164.02	161.86	161.53	161.38	161.42	
23	161.38	161.28	161.65	161.72	161.66	162.55	164.87	163.76	161.91	161.51	161.39	161.43	
24	161.33	161.30	161.62	161.72	161.68	162.40	165.20	163.52	161.93	161.53	161.38	161.44	
25	161.34	161.42	161.60	161.71	161.69	162.35	164.75	163.39	161.83	161.52	161.39	161.43	
26	161.33	161.44	161.58	161.66	161.69	162.24	164.28	163.48	161.73	161.52	161.40	161.44	
27	161.40	162.31	161.56	161.65	161.68	162.39	163.63	163.05	161.66	161.50	161.43	161.48	
28	161.33	162.50	161.51	161.65	161.66	162.97	163.03	162.94	161.61	161.50	161.48	161.45	
29	161.42	162.14	161.49	161.67	161.67	163.16	162.81	162.67	161.60	161.51		161.41	
30	161.54	161.88	161.49	161.67	161.69	162.89	162.78	162.82	161.62	161.52		161.37	
31		161.87		161.69	161.71		162.77		161.63	161.52		161.36	
MEAN	161.28	161.44	161.83	161.70	161.69	162.49	163.05	163.17	162.06	161.57	161.45	161.43	
MAX	161.63	162.50	163.20	162.26	161.75	164.07	165.20	165.13	162.89	161.73	161.52	161.53	165.20
MIN	161.16	161.21	161.49	161.49	161.66	161.71	161.91	162.09	161.60	161.48	161.36	161.36	161.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 165.34 M (MSL), AT 4.00 HOURS, ON NOV 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 161.00 M (MSL), RIVER BED 160.33 M (MSL)
LEFT BANK ELEVATION 170.11 M (MSL)
RIGHT BANK ELEVATION 170.00 M (MSL), DRAINAGE AREA 8985 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.41	7.87	48.40	4.85	10.94	10.62	73.33	54.45	66.67	8.68	5.52	4.70	
2	1.60	3.65	88.50	4.85	10.62	12.22	81.75	54.45	59.20	10.03	5.26	5.26	
3	1.36	3.11	64.78	5.78	10.94	13.18	70.65	56.80	52.25	10.94	5.00	5.78	
4	1.12	2.72	51.15	5.52	11.58	14.82	74.00	46.75	41.80	11.26	5.00	5.78	
5	1.36	2.46	40.15	6.04	11.90	14.16	107.52	41.80	38.50	10.62	5.00	5.26	
6	1.60	1.96	27.20	6.56	10.94	13.83	102.56	41.80	37.00	8.95	4.85	4.70	
7	1.60	1.84	18.96	6.04	10.94	13.50	64.78	40.70	36.00	7.60	4.85	4.40	
8	1.48	1.72	15.15	5.52	10.94	14.16	41.25	32.60	35.00	8.14	4.85	4.10	
9	1.12	1.48	13.50	5.26	10.94	21.63	32.60	29.00	34.00	8.95	5.26	3.95	
10	0.90	1.96	8.41	5.78	10.30	29.45	26.75	28.10	32.15	9.76	5.26	3.80	
11	0.90	2.33	7.60	6.04	9.49	30.80	22.04	26.30	27.20	8.68	4.85	3.80	
12	0.90	2.46	7.60	7.08	9.22	23.27	19.32	24.09	23.68	7.34	4.85	3.80	
13	0.70	2.59	7.60	8.68	9.22	27.20	17.16	27.20	20.40	6.56	5.00	3.65	
14	0.70	1.72	7.60	7.87	9.76	55.00	18.24	111.67	18.60	5.78	4.85	3.37	
15	0.70	1.72	7.60	20.04	10.30	70.65	18.60	150.40	16.80	5.52	4.40	3.37	
16	0.60	1.36	7.34	24.50	10.03	71.32	18.60	173.00	16.14	5.00	3.95	3.50	
17	0.60	1.48	6.82	25.40	9.76	99.28	23.68	204.30	15.81	4.70	3.80	3.37	
18	0.90	1.48	6.04	31.70	10.03	165.00	63.52	174.00	18.96	4.70	3.37	3.37	
19	1.72	1.60	5.78	24.50	10.30	129.10	60.40	183.00	20.40	5.00	3.11	3.50	
20	1.96	1.24	5.78	16.80	9.76	82.50	152.30	277.36	17.16	5.78	2.98	3.80	
21	2.46	1.12	14.49	13.50	9.22	66.67	192.00	228.90	14.49	6.30	3.11	3.80	
22	4.25	1.12	11.26	12.86	9.22	64.15	164.00	160.00	15.48	5.78	3.24	3.80	
23	3.24	1.96	8.95	10.94	9.22	46.75	248.70	135.40	17.16	5.26	3.37	3.95	
24	2.59	2.20	8.14	10.94	9.76	38.50	285.20	114.20	17.88	5.78	3.24	4.10	
25	2.72	3.80	7.60	10.62	10.03	36.00	235.50	103.38	14.49	5.52	3.37	3.95	
26	2.59	4.10	7.08	9.22	10.03	30.80	186.00	110.84	11.26	5.52	3.50	4.10	
27	3.50	34.00	6.56	8.95	9.76	38.00	123.70	77.50	9.22	5.00	3.95	4.70	
28	2.59	44.00	5.26	8.95	9.22	71.99	76.10	69.98	7.87	5.00	4.70	4.25	
29	3.80	26.30	4.85	9.49	9.49	85.50	61.63	53.35	7.60	5.26		3.65	
30	6.04	16.14	4.85	9.49	10.03	66.67	59.80	62.26	8.14	5.52		3.11	
31		15.81		10.03	10.62		59.20		8.41	5.52		2.98	
TOTAL	64.01	197.30	525.00	343.80	314.51	1456.72	2780.88	2893.58	759.72	214.45	120.49	125.65	9796.11 CMSDAY
MEAN	2.13	6.36	17.50	11.09	10.15	48.56	89.71	96.45	24.51	6.92	4.30	4.05	26.84 CMS
MAX	8.41	44.00	88.50	31.70	11.90	165.00	285.20	277.36	66.67	11.26	5.52	5.78	285.20 CMS
MIN	0.60	1.12	4.85	4.85	9.22	10.62	17.16	24.09	7.60	4.70	2.98	2.98	0.60 CMS
RUNOFF	5.530	17.047	45.360	29.704	27.174	125.861	240.268	250.005	65.640	18.528	10.410	10.856	846.384 MCM

MOMENTARY PEAK 301.80 CMS, AT 165.34 M (MSL), AT 4.00 HOURS, ON NOV 20, 1985
RUNOFF YIELD 2.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 33.59 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

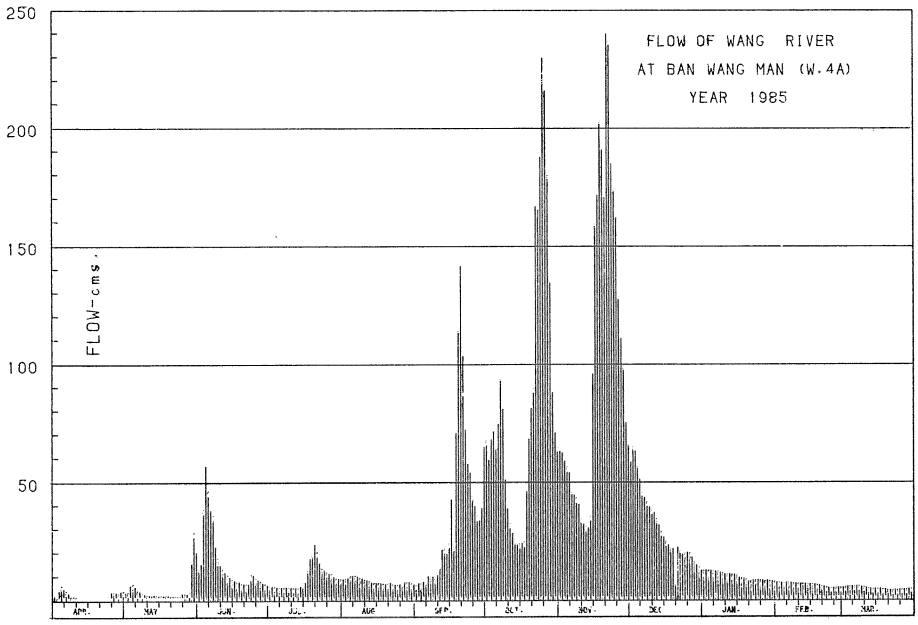
WANG RIVER AT BAN WANG MAN, TAK (W.4A)

LOCATION	LAT. 17-12-22 N., LONG. 99-06-08 E., ON RIGHT BANK ABOUT 200 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	10,507 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+130.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF WAT WANG MAN.
ELEVATION	+136.071 M. (M.S.L.)
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	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 12,320 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	130.73	130.83	131.46	131.02	131.18	131.05	133.00	132.90	132.80	131.35	131.11	130.97	
2	130.68	130.85	131.47	131.01	131.19	131.09	132.82	132.93	132.94	131.36	131.10	130.99	
3	130.88	131.03	132.27	131.00	131.20	131.09	133.05	132.81	132.90	131.35	131.09	131.00	
4	131.03	131.07	132.76	130.99	131.24	131.12	133.08	132.75	132.78	131.35	131.09	131.00	
5	130.93	131.00	132.49	130.98	131.25	131.18	132.96	132.69	132.62	131.34	131.10	131.00	
6	130.89	130.90	132.26	130.98	131.25	131.24	133.15	132.50	132.47	131.33	131.10	131.00	
7	130.81	130.86	132.20	130.98	131.24	131.25	133.54	132.44	132.41	131.33	131.09	131.01	
8	130.73	130.82	131.76	130.99	131.21	131.23	133.28	132.41	132.36	131.31	131.08	131.01	
9	130.72	130.79	131.58	130.98	131.20	131.23	132.66	132.33	132.30	131.30	131.08	130.99	
10	130.71	130.77	131.45	130.98	131.17	131.26	132.28	132.15	132.27	131.28	131.07	130.98	
11	130.69	130.76	131.38	130.97	131.16	131.48	132.09	132.08	132.23	131.28	131.07	130.96	
12	130.69	130.75	131.32	130.97	131.15	131.72	131.96	132.05	132.15	131.28	131.07	130.95	
13	130.69	130.77	131.26	130.97	131.11	131.74	131.87	132.03	132.07	131.27	131.07	130.93	
14	130.68	130.76	131.22	131.01	131.10	131.65	131.79	132.19	131.98	131.27	131.06	130.93	
15	130.66	130.75	131.18	131.09	131.10	131.82	131.82	133.56	131.90	131.25	131.06	130.93	
16	130.65	130.75	131.15	131.11	131.10	132.39	131.82	134.59	131.84	131.21	131.06	130.93	
17	130.66	130.75	131.12	131.40	131.09	131.77	131.84	134.77	131.79	131.20	131.05	130.93	
18	130.69	130.75	131.12	131.57	131.08	133.07	132.48	135.21	131.75	131.19	131.04	130.92	
19	130.69	130.75	131.09	131.66	131.07	133.90	133.05	135.04	131.73	131.17	131.03	130.91	
20	130.68	130.73	131.08	131.80	131.08	134.32	133.29	134.78	131.10	131.13	131.01	130.90	
21	130.65	130.73	131.07	131.68	131.10	133.73	133.45	135.69	131.75	131.13	131.00	130.89	
22	130.66	130.73	131.07	131.49	131.07	133.10	134.70	135.65	131.69	131.15	130.97	130.89	
23	130.70	130.73	131.27	131.39	131.05	132.83	134.71	134.96	131.64	131.16	130.96	130.90	
24	130.73	130.75	131.26	131.36	131.05	132.69	135.00	134.81	131.66	131.16	130.96	130.90	
25	130.84	130.80	131.20	131.32	131.06	132.43	135.58	134.63	131.67	131.15	130.96	130.91	
26	130.85	130.81	131.16	131.29	131.11	132.31	135.38	134.12	131.66	131.15	130.96	130.91	
27	130.83	130.79	131.13	131.29	131.11	132.20	134.89	133.83	131.59	131.14	130.97	130.91	
28	130.81	130.84	131.09	131.23	131.11	132.13	134.21	133.62	131.51	131.15	130.97	130.91	
29	130.86	131.48	131.07	131.20	131.12	132.35	133.45	133.16	131.45	131.14		130.92	
30	130.88	131.97	131.04	131.19	131.09	132.94	133.07	132.98	131.41	131.13		130.93	
31		131.67		131.19	131.06		132.93		131.35	131.12		130.93	
MEAN	130.76	130.89	131.43	131.20	131.13	132.08	133.20	133.52	131.99	131.23	131.04	130.94	
MAX	131.03	131.97	132.76	131.80	131.25	134.32	135.58	135.69	132.94	131.36	131.11	131.01	135.69
MIN	130.65	130.73	131.04	130.97	131.05	131.05	131.79	132.03	131.10	131.12	130.96	130.89	130.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 135.74 M (MSL), AT 4.00 HOURS, ON NOV 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 130.00 M (MSL), RIVER BED 130.29 M (MSL)
LEFT BANK ELEVATION 136.01 M (MSL)
RIGHT BANK ELEVATION 136.70 M (MSL), DRAINAGE AREA 10507 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.82	3.25	15.21	6.15	9.11	6.68	67.80	63.20	58.60	12.73	7.74	5.35	
2	1.12	3.55	15.45	5.97	9.31	7.37	59.52	64.58	65.04	12.94	7.55	5.65	
3	4.00	6.32	38.52	5.80	9.50	7.37	70.10	59.06	63.20	12.73	7.37	5.80	
4	6.32	7.03	56.96	5.65	10.36	7.94	71.48	56.55	57.78	12.73	7.37	5.80	
5	4.75	5.80	46.44	5.50	10.58	9.11	65.96	54.11	51.38	12.51	7.55	5.80	
6	4.15	4.30	38.16	5.50	10.58	10.36	74.70	46.80	45.72	12.30	7.55	5.80	
7	2.95	3.70	36.00	5.50	10.36	10.58	94.70	44.64	43.56	12.30	7.37	5.97	
8	1.82	3.10	22.66	5.65	9.72	10.14	81.00	43.56	41.76	11.87	7.20	5.97	
9	1.68	2.66	18.03	5.50	9.50	10.14	52.94	40.68	39.60	11.65	7.20	5.65	
10	1.54	2.38	14.98	5.50	8.91	10.79	38.88	34.42	38.52	11.22	7.03	5.50	
11	1.26	2.24	13.37	5.35	8.72	15.68	32.53	32.22	37.08	11.22	7.03	5.20	
12	1.26	2.10	12.08	5.35	8.52	21.62	28.50	31.28	34.42	11.22	7.03	5.05	
13	1.26	2.38	10.79	5.35	7.74	22.14	25.80	30.64	31.91	11.01	7.03	4.75	
14	1.12	2.24	9.93	5.97	7.55	19.80	23.44	35.69	29.10	11.01	6.85	4.75	
15	0.84	2.10	9.11	7.37	7.55	24.30	24.30	95.80	26.70	10.58	6.85	4.75	
16	0.70	2.10	8.52	7.74	7.55	42.84	24.30	159.34	24.90	9.72	6.85	4.75	
17	0.84	2.10	7.94	13.80	7.37	22.92	24.90	171.56	23.44	9.50	6.68	4.75	
18	1.26	2.10	7.94	17.80	7.20	71.02	46.08	203.35	22.40	9.31	6.50	4.60	
19	1.26	2.10	7.37	20.06	7.03	115.10	70.10	190.76	21.88	8.91	6.32	4.45	
20	1.12	1.82	7.20	23.70	7.20	141.60	81.50	172.24	7.55	8.14	5.97	4.30	
21	0.70	1.82	7.03	20.58	7.55	105.28	89.75	240.02	22.40	8.14	5.80	4.15	
22	0.84	1.82	7.03	15.92	7.03	72.40	166.80	236.90	20.84	8.52	5.35	4.15	
23	1.40	1.82	11.01	13.59	6.68	59.98	167.48	184.96	19.54	8.72	5.20	4.30	
24	1.82	2.10	10.79	12.94	6.68	54.11	187.80	174.31	20.06	8.72	5.20	4.30	
25	3.40	2.80	9.50	12.08	6.85	44.28	231.45	162.04	20.32	8.52	5.20	4.45	
26	3.55	2.95	8.72	11.43	7.74	39.96	216.01	128.68	20.06	8.52	5.20	4.45	
27	3.25	2.66	8.14	11.43	7.74	36.00	179.99	110.97	18.26	8.33	5.35	4.45	
28	2.95	3.40	7.37	10.14	7.74	33.80	134.45	99.12	16.38	8.52	5.35	4.45	
29	3.70	15.68	7.03	9.50	7.94	41.40	89.75	75.16	14.98	8.33		4.60	
30	4.00	28.80	6.50	9.31	7.37	65.04	71.02	66.88	14.04	8.14		4.75	
31		20.32		9.31	6.85		64.58		12.73	7.94		4.75	
TOTAL	66.68	147.54	479.78	305.44	254.53	1139.75	2657.61	3109.52	964.15	316.00	183.69	153.44	9778.13 CMSDAY
MEAN	2.22	4.76	15.99	9.85	8.21	37.99	85.73	103.65	31.10	10.19	6.56	4.95	26.79 CMS
MAX	6.32	28.80	56.96	23.70	10.58	141.60	231.45	240.02	65.04	12.94	7.74	5.97	240.02 CMS
MIN	0.70	1.82	6.50	5.35	6.68	6.68	23.44	30.64	7.55	7.94	5.20	4.15	0.70 CMS
RUNOFF	5.761	12.747	41.453	26.390	21.991	98.474	229.618	268.663	83.303	27.302	15.871	13.257	844.831 MCM

MOMENTARY PEAK 243.92 CMS, AT 135.74 M (MSL), AT 4.00 HOURS, ON NOV 22, 1985

RUNOFF YIELD 2.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 23.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

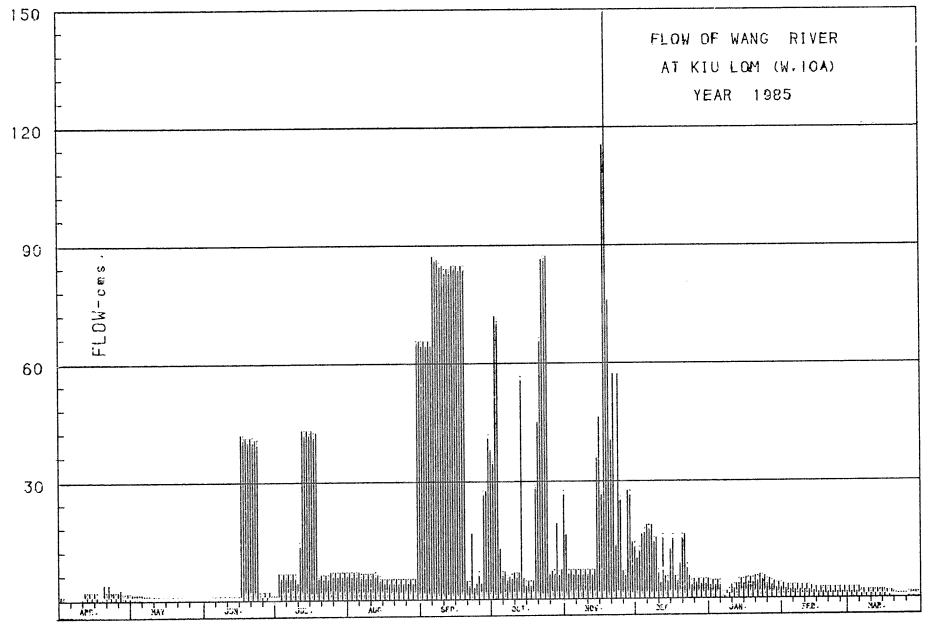
WANG RIVER AT KIU LOM, LAMPANG (W.10A)

LOCATION	LAT. 18-31-16 N., LONG. 99-37-52 E., ON LEFT BANK ABOUT 800 METERS DOWNSTREAM FROM KIU LOM DAMSITE, AMPHOE CHAE HOM, LAMPANG.
DRAINAGE AREA	2,798 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+258.961 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+265.511 M.(M.S.L.)
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	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1980.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY KIU LOM DAM. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	258.89	258.91	258.88	258.90	259.08	260.21	259.73	259.33	259.17	259.01	258.98	258.95	
2	258.87	258.91	258.88	259.07	259.08	260.21	260.30	259.09	259.25	259.01	258.98	258.95	
3	258.87	258.91	258.88	259.07	259.08	260.21	260.29	259.09	259.33	259.01	258.97	258.95	
4	258.87	258.91	258.89	259.07	259.08	260.21	259.24	259.09	259.37	259.01	258.97	258.95	
5	258.87	258.91	258.89	259.07	259.08	260.21	259.08	259.09	259.39	259.01	258.97	258.95	
6	258.87	258.90	258.89	259.07	259.07	260.49	259.08	259.09	259.39	258.92	258.97	258.93	
7	258.87	258.90	258.89	259.07	259.07	260.49	259.05	259.09	259.39	258.92	258.97	258.93	
8	258.87	258.90	258.89	259.07	259.07	260.48	259.04	259.09	259.31	258.92	258.97	258.93	
9	258.87	258.89	258.89	259.07	259.07	260.47	259.06	259.09	259.31	258.94	258.97	258.93	
10	258.91	258.89	258.89	259.00	259.07	260.46	259.07	259.09	259.09	258.97	258.97	258.93	
11	258.93	258.89	258.89	259.29	259.07	260.45	259.07	259.09	258.99	258.98	258.97	258.93	
12	258.93	258.88	258.89	259.86	259.08	260.45	259.07	259.09	259.33	258.98	258.97	258.93	
13	258.93	258.88	258.89	259.86	259.06	260.45	260.07	259.09	259.04	259.02	258.96	258.93	
14	258.93	258.88	258.89	259.86	259.05	260.46	259.03	259.75	259.04	259.02	258.96	258.93	
15	258.93	258.88	258.89	259.86	259.03	260.46	259.01	259.91	259.23	259.02	258.95	258.93	
16	258.93	258.88	259.84	259.86	259.03	260.46	259.01	259.57	259.33	259.03	258.95	258.93	
17	258.82	258.88	259.84	259.85	259.03	260.46	259.01	260.81	259.04	259.03	258.95	258.92	
18	258.82	258.88	259.83	259.85	259.03	260.46	259.01	261.44	259.04	259.03	258.95	258.92	
19	258.99	258.88	259.83	259.06	259.03	260.46	259.60	260.35	259.13	259.03	258.95	258.92	
20	258.93	258.88	259.83	259.06	259.03	259.01	259.89	259.83	259.33	259.04	258.95	258.91	
21	258.99	258.88	259.83	259.06	259.03	259.01	260.22	260.08	259.33	259.04	258.95	258.90	
22	258.93	258.87	259.82	259.06	259.03	259.34	260.48	259.28	259.13	259.05	258.95	258.89	
23	258.93	258.87	259.82	259.06	259.03	258.99	260.49	260.08	259.04	259.05	258.95	258.89	
24	258.93	258.87	258.93	259.08	259.03	258.99	260.49	259.54	259.01	259.04	258.95	258.89	
25	258.93	258.87	258.93	259.08	259.03	259.08	259.08	259.08	259.02	259.02	258.95	258.89	
26	258.99	258.86	258.93	259.08	259.03	258.99	259.08	259.08	259.03	259.02	258.95	258.91	
27	258.92	258.86	258.93	259.08	259.03	259.57	259.09	259.57	259.02	259.01	258.95	258.91	
28	258.92	258.73	258.93	259.08	259.03	259.57	259.40	259.57	259.02	259.00	258.95	258.91	
29	258.92	258.73	258.90	259.08	259.03	259.84	259.08	259.28	259.02	258.99		258.91	
30	258.92	258.87	258.90	259.08	260.21	259.77	259.09	259.28	259.02	258.99		258.91	
31		258.87		259.08	260.21		259.57		259.02	258.99		258.91	
MEAN	258.91	258.87	259.15	259.25	259.13	259.99	259.44	259.50	259.17	259.00	258.96	258.92	
MAX	258.99	258.91	259.84	259.86	260.21	260.49	260.49	261.44	259.39	259.05	258.98	258.95	261.44
MIN	258.82	258.73	258.88	258.90	259.03	258.99	259.01	259.08	258.99	258.92	258.95	258.89	258.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 261.44 M (MSL), AT 9.00 HOURS, ON NOV 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 258.96 M (MSL), RIVER BED 258.00 M (MSL)
LEFT BANK ELEVATION 269.60 M (MSL)
RIGHT BANK ELEVATION 269.21 M (MSL), DRAINAGE AREA 2798 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.02	1.44	0.93	1.12	7.10	65.70	35.65	16.33	10.25	4.65	3.66	2.71	
2	0.83	1.44	0.93	6.75	7.10	65.70	72.00	7.45	13.20	4.65	3.66	2.71	
3	0.83	1.44	0.93	6.75	7.10	65.70	71.30	7.45	16.33	4.65	3.35	2.71	
4	0.83	1.44	1.02	6.75	7.10	65.70	12.82	7.45	17.97	4.65	3.35	2.71	
5	0.83	1.44	1.02	6.75	7.10	65.70	7.10	7.45	18.79	4.65	3.35	2.71	
6	0.83	1.12	1.02	6.75	6.75	87.20	7.10	7.45	18.79	1.76	3.35	2.07	
7	0.83	1.12	1.02	6.75	6.75	87.20	6.05	7.45	18.79	1.76	3.35	2.07	
8	0.83	1.12	1.02	6.75	6.75	86.40	5.70	7.45	15.51	1.76	3.35	2.07	
9	0.83	1.02	1.02	6.75	6.75	85.60	6.40	7.45	15.51	2.39	3.35	2.07	
10	1.44	1.02	1.02	4.30	6.75	84.80	6.75	7.45	7.45	3.35	3.35	2.07	
11	2.07	1.02	1.02	14.72	6.75	84.00	6.75	7.45	3.98	3.66	3.35	2.07	
12	2.07	0.93	1.02	43.10	7.10	84.00	6.75	7.45	16.33	3.66	3.35	2.07	
13	2.07	0.93	1.02	43.10	6.40	84.00	56.55	7.45	5.70	5.00	3.03	2.07	
14	2.07	0.93	1.02	43.10	6.05	84.80	5.35	36.75	5.70	5.00	3.03	2.07	
15	2.07	0.93	1.02	43.10	5.35	84.80	4.65	46.15	12.44	5.00	2.71	2.07	
16	2.07	0.93	41.90	43.10	5.35	84.80	4.65	27.50	16.33	5.35	2.71	2.07	
17	0.35	0.93	41.90	42.50	5.35	84.80	4.65	115.45	5.70	5.35	2.71	1.76	
18	0.35	0.93	41.30	42.50	5.35	84.80	4.65	178.78	5.70	5.35	2.71	1.76	
19	3.98	0.93	41.30	6.40	5.35	84.80	29.00	76.00	8.85	5.35	2.71	1.76	
20	2.07	0.93	41.30	6.40	5.35	4.65	44.90	41.30	16.33	5.70	2.71	1.44	
21	3.98	0.93	41.30	6.40	5.35	4.65	66.40	57.20	16.33	5.70	2.71	1.12	
22	2.07	0.83	40.70	6.40	5.35	16.74	86.40	14.34	8.85	6.05	2.71	1.02	
23	2.07	0.83	40.70	6.40	5.35	3.98	87.20	57.20	5.70	6.05	2.71	1.02	
24	2.07	0.83	2.07	7.10	5.35	3.98	87.20	26.00	4.65	5.70	2.71	1.02	
25	2.07	0.83	2.07	7.10	5.35	7.10	7.10	7.10	5.00	5.00	2.71	1.02	
26	3.98	0.74	2.07	7.10	5.35	3.98	7.10	7.10	5.35	5.00	2.71	1.44	
27	1.76	0.74	2.07	7.10	5.35	27.50	7.45	27.50	5.00	4.65	2.71	1.44	
28	1.76	0.05	2.07	7.10	5.35	27.50	19.20	27.50	5.00	4.30	2.71	1.44	
29	1.76	0.05	1.12	7.10	5.35	41.90	7.10	14.34	5.00	3.98		1.44	
30	1.76	0.83	1.12	7.10	65.70	37.85	7.45	14.34	5.00	3.98		1.44	
31		0.83		7.10	65.70		27.50		5.00	3.98		1.44	
TOTAL	51.55	29.48	358.02	463.44	307.20	1700.33	808.87	880.28	320.53	138.08	84.82	56.88	5199.48 CMSDAY
MEAN	1.72	0.95	11.93	14.95	9.91	56.68	26.09	29.34	10.34	4.45	3.03	1.83	14.25 CMS
MAX	3.98	1.44	41.90	43.10	65.70	87.20	87.20	178.78	18.79	6.05	3.66	2.71	178.78 CMS
MIN	0.35	0.05	0.93	1.12	5.35	3.98	4.65	7.10	3.98	1.76	2.71	1.02	0.05 CMS
RUNOFF	4.454	2.547	30.933	40.041	26.542	146.909	69.886	76.056	27.694	11.930	7.328	4.914	449.235 MCM

MOMENTARY PEAK 178.78 CMS, AT 261.44 M (MSL), AT 9.00 HOURS, ON NOV 18, 1985

RUNOFF YIELD 5.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 63.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

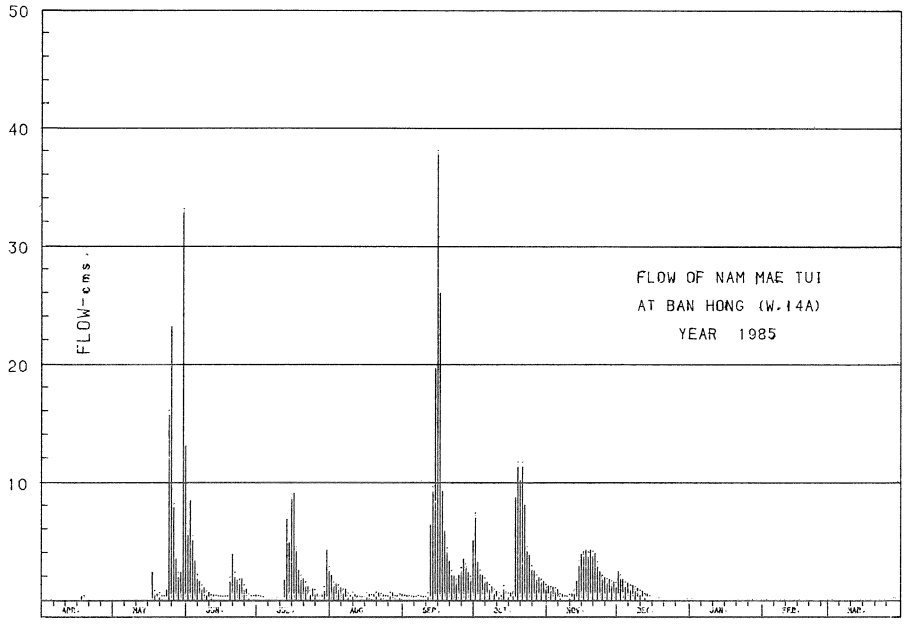
NAM MAE TUI AT BAN HONG, LAMPANG (W.14A)

LOCATION	LAT. 18-26-17 N., LONG. 99-27-58 E., ON RIGHT BANK AT BAN HONG, TAMBON BAN AIEM, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	649 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+257.670 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 7.00 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+261.325 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	257.74	257.76	258.78	257.99	258.33	258.00	258.92	258.16	258.38	257.87	257.80	257.78	
2	257.75	257.76	259.01	257.97	258.23	257.99	258.49	258.15	258.34	257.87	257.79	257.78	
3	257.76	257.76	258.74	257.95	258.20	257.99	258.40	258.14	258.27	257.88	257.79	257.78	
4	257.75	257.76	258.50	257.94	258.18	257.97	258.33	258.13	258.23	257.88	257.79	257.78	
5	257.74	257.75	258.34	257.94	258.13	257.96	258.29	258.10	258.21	257.87	257.79	257.78	
6	257.74	257.75	258.24	257.94	258.11	257.96	258.23	258.03	258.18	257.87	257.79	257.78	
7	257.74	257.75	258.18	257.93	258.11	257.99	258.19	258.01	258.17	257.86	257.80	257.78	
8	257.74	257.75	258.13	257.93	258.04	257.97	258.15	257.98	258.15	257.85	257.80	257.78	
9	257.74	257.75	258.08	257.92	257.99	257.96	258.11	257.98	258.12	257.84	257.80	257.78	
10	257.75	257.74	258.05	257.92	258.05	257.96	258.07	258.01	258.09	257.84	257.80	257.78	
11	257.75	257.74	258.01	257.92	258.01	258.04	258.04	258.02	258.07	257.83	257.79	257.78	
12	257.74	257.74	258.00	258.26	257.97	258.83	257.99	258.10	258.03	257.82	257.79	257.78	
13	257.73	257.81	257.99	258.91	257.96	259.10	258.17	258.24	258.02	257.82	257.79	257.78	
14	257.73	257.87	257.98	258.68	257.95	259.73	258.06	258.50	257.98	257.82	257.79	257.78	
15	257.73	257.83	257.97	259.05	257.95	260.52	258.04	258.57	257.93	257.82	257.79	257.78	
16	257.75	257.77	257.97	259.06	258.04	260.03	258.04	258.59	257.90	257.81	257.79	257.78	
17	257.95	258.37	257.97	258.64	258.01	259.10	258.06	258.61	257.91	257.81	257.78	257.78	
18	257.98	258.08	257.98	258.40	258.01	258.78	259.03	258.59	257.91	257.81	257.78	257.78	
19	257.76	258.02	258.30	258.33	258.01	258.63	259.25	258.61	257.90	257.81	257.79	257.78	
20	257.76	258.04	258.57	258.28	258.05	258.50	259.14	258.60	257.90	257.80	257.79	257.78	
21	257.76	257.99	258.37	258.23	258.04	258.39	259.25	258.58	257.90	257.80	257.79	257.78	
22	257.76	257.98	258.26	258.15	258.03	258.32	258.98	258.49	257.88	257.80	257.79	257.78	
23	257.75	258.09	258.27	258.09	258.00	258.27	258.64	258.38	257.86	257.80	257.79	257.78	
24	257.75	259.53	258.28	258.11	257.99	258.33	258.56	258.33	257.85	257.80	257.78	257.79	
25	257.76	259.90	258.18	258.10	257.98	258.43	258.45	258.30	257.84	257.80	257.78	257.80	
26	257.76	258.99	258.11	258.02	258.05	258.52	258.39	258.28	257.84	257.80	257.78	257.80	
27	257.76	258.52	258.02	257.97	258.04	258.47	258.33	258.27	257.84	257.79	257.78	257.79	
28	257.76	258.37	257.99	258.00	257.99	258.37	258.30	258.25	257.83	257.79	257.78	257.79	
29	257.76	258.37	257.99	258.15	257.99	258.32	258.27	258.23	257.83	257.79		257.79	
30	257.76	260.33	258.00	258.61	258.02	258.70	258.24	258.22	257.86	257.79		257.79	
31		259.34		258.44	258.01		258.19		257.87	257.79		257.79	
MEAN	257.76	258.20	258.21	258.22	258.05	258.50	258.41	258.28	258.00	257.82	257.79	257.78	
MAX	257.98	260.33	259.01	259.06	258.33	260.52	259.25	258.61	258.38	257.88	257.80	257.80	260.52
MIN	257.73	257.74	257.97	257.92	257.95	257.96	257.99	257.98	257.83	257.79	257.78	257.78	257.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 261.57 M (MSL), AT 15.00 HOURS, ON SEP 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 257.67 M (MSL), RIVER BED 257.20 M (MSL)
LEFT BANK ELEVATION 262.26 M (MSL)
RIGHT BANK ELEVATION 262.29 M (MSL), DRAINAGE AREA 649 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.07	5.90	0.45	2.17	0.48	7.43	1.24	2.48	0.17	0.10	0.08	
2	0.06	0.07	8.48	0.40	1.60	0.45	3.28	1.19	2.23	0.17	0.09	0.08	
3	0.07	0.07	5.50	0.34	1.44	0.45	2.60	1.14	1.82	0.18	0.09	0.08	
4	0.06	0.07	3.36	0.31	1.34	0.40	2.17	1.09	1.60	0.18	0.09	0.08	
5	0.05	0.06	2.23	0.31	1.09	0.37	1.93	0.94	1.49	0.17	0.09	0.08	
6	0.05	0.06	1.66	0.31	0.99	0.37	1.60	0.62	1.34	0.17	0.09	0.08	
7	0.05	0.06	1.34	0.28	0.99	0.45	1.39	0.53	1.29	0.16	0.10	0.08	
8	0.05	0.06	1.09	0.28	0.66	0.40	1.19	0.42	1.19	0.15	0.10	0.08	
9	0.05	0.06	0.85	0.26	0.45	0.37	0.99	0.42	1.04	0.14	0.10	0.08	
10	0.06	0.05	0.71	0.26	0.71	0.37	0.80	0.53	0.89	0.14	0.10	0.08	
11	0.06	0.05	0.53	0.26	0.53	0.66	0.66	0.57	0.80	0.13	0.09	0.08	
12	0.05	0.05	0.48	1.76	0.40	6.43	0.45	0.94	0.62	0.12	0.09	0.08	
13	0.04	0.11	0.45	7.32	0.37	9.65	1.29	1.66	0.57	0.12	0.09	0.08	
14	0.04	0.17	0.42	4.92	0.34	19.67	0.76	3.36	0.42	0.12	0.09	0.08	
15	0.04	0.13	0.40	9.00	0.34	38.12	0.66	3.95	0.28	0.12	0.09	0.08	
16	0.06	0.08	0.40	9.13	0.66	26.06	0.66	4.12	0.20	0.11	0.09	0.08	
17	0.34	2.41	0.40	4.56	0.53	9.65	0.76	4.29	0.23	0.11	0.08	0.08	
18	0.42	0.85	0.42	2.60	0.53	5.90	8.74	4.12	0.23	0.11	0.08	0.08	
19	0.07	0.57	1.98	2.17	0.53	4.47	11.75	4.29	0.20	0.11	0.09	0.08	
20	0.07	0.66	3.95	1.87	0.71	3.36	10.19	4.20	0.20	0.10	0.09	0.08	
21	0.07	0.45	2.41	1.60	0.66	2.54	11.75	4.03	0.20	0.10	0.09	0.08	
22	0.07	0.42	1.76	1.19	0.62	2.10	8.12	3.28	0.18	0.10	0.09	0.08	
23	0.06	0.89	1.82	0.89	0.48	1.82	4.56	2.48	0.16	0.10	0.09	0.08	
24	0.06	16.08	1.87	0.99	0.45	2.17	3.86	2.17	0.15	0.10	0.08	0.09	
25	0.07	23.20	1.34	0.94	0.42	2.83	2.98	1.98	0.14	0.10	0.08	0.10	
26	0.07	8.24	0.99	0.57	0.71	3.53	2.54	1.87	0.14	0.10	0.08	0.10	
27	0.07	3.53	0.57	0.40	0.66	3.13	2.17	1.82	0.14	0.09	0.08	0.09	
28	0.07	2.41	0.45	0.48	0.45	2.41	1.98	1.71	0.13	0.09	0.08	0.09	
29	0.07	2.41	0.45	1.19	0.45	2.10	1.82	1.60	0.13	0.09		0.09	
30	0.07	33.18	0.48	4.29	0.57	5.10	1.66	1.55	0.16	0.09		0.09	
31		13.10		2.90	0.53		1.39		0.17	0.09		0.09	
TOTAL	2.42	109.62	52.69	62.23	22.38	155.81	102.13	62.11	20.82	3.83	2.50	2.58	599.12 CMSDAY
MEAN	0.08	3.54	1.76	2.01	0.72	5.19	3.29	2.07	0.67	0.12	0.09	0.08	1.64 CMS
MAX	0.42	33.18	8.48	9.13	2.17	38.12	11.75	4.29	2.48	0.18	0.10	0.10	38.12 CMS
MIN	0.04	0.05	0.40	0.26	0.34	0.37	0.45	0.42	0.13	0.09	0.08	0.08	0.04 CMS
RUNOFF	0.209	9.471	4.552	5.377	1.934	13.462	8.824	5.366	1.799	0.331	0.216	0.223	51.764 MCM

MOMENTARY PEAK 69.21 CMS, AT 261.57 M (MSL), AT 15.00 HOURS, ON SEP 15, 1985

RUNOFF YIELD 2.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 106.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

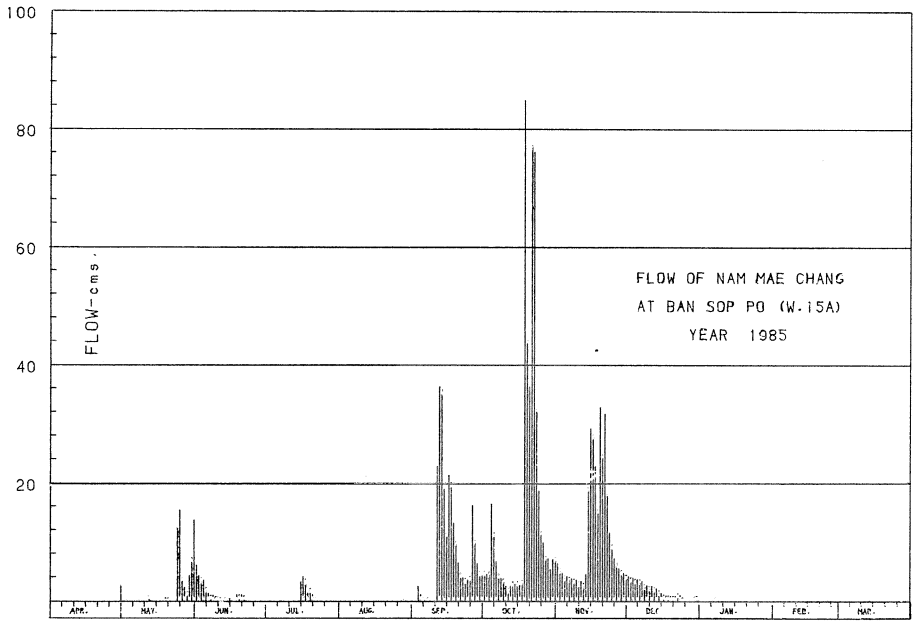
NAM MAE CHANG AT BAN SOP PO, LAMPANG (W.15A)

LOCATION	LAT. 18-08-08 N., LONG. 99-34-58 E., ON RIGHT BANK ABOUT 1.5 KILOMETERS UPSTREAM FROM BAN SOP PO, AMPHOE MAE THA, LAMPANG.
DRAINAGE AREA	1,103 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+240.120 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+251.685 M.(M.S.L.)
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	1972-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 171 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	240.21	240.71	241.35	240.71	240.75	240.67	241.24	241.32	241.16	240.77	240.70	240.64	
2	240.18	240.64	241.19	240.69	240.75	240.68	241.21	241.27	241.13	240.74	240.69	240.64	
3	240.10	240.59	241.13	240.69	240.75	240.99	241.23	241.22	241.12	240.74	240.68	240.63	
4	240.10	240.56	241.06	240.70	240.73	240.86	241.79	241.19	241.09	240.77	240.68	240.63	
5	240.07	240.56	240.95	240.69	240.71	240.81	241.59	241.16	241.08	240.78	240.68	240.63	
6	240.11	240.60	240.89	240.68	240.69	240.81	241.34	241.14	241.07	240.78	240.68	240.63	
7	239.90	240.61	240.85	240.70	240.70	240.76	241.21	241.10	241.03	240.77	240.66	240.63	
8	239.96	240.66	240.85	240.70	240.71	240.75	241.11	241.09	240.98	240.77	240.66	240.63	
9	240.01	240.64	240.82	240.69	240.69	240.73	241.09	241.06	240.97	240.75	240.67	240.62	
10	239.97	240.57	240.81	240.69	240.74	240.76	240.96	241.01	240.96	240.76	240.62	240.62	
11	239.90	240.71	240.79	240.67	240.71	242.03	240.94	241.03	240.96	240.78	240.66	240.61	
12	239.90	240.84	240.78	240.70	240.68	242.39	240.96	240.99	240.95	240.77	240.66	240.61	
13	239.90	240.73	240.76	240.72	240.70	242.38	241.01	241.21	240.94	240.75	240.65	240.60	
14	239.90	240.67	240.75	240.75	240.72	241.88	240.98	241.89	240.92	240.78	240.66	240.61	
15	239.90	240.64	240.86	241.11	240.68	241.59	241.01	242.20	240.89	240.77	240.66	240.64	
16	239.90	240.60	240.79	241.16	240.69	241.96	240.97	242.17	240.86	240.75	240.65	240.62	
17	239.90	240.57	240.78	241.08	240.67	241.92	241.04	242.01	240.84	240.74	240.64	240.61	
18	239.90	240.56	240.86	240.89	240.69	241.66	243.36	241.75	240.84	240.74	240.64	240.61	
19	239.99	240.79	240.86	240.94	240.69	241.52	242.58	242.30	240.83	240.72	240.64	240.61	
20	240.05	240.77	240.86	240.86	240.67	241.33	242.39	242.07	240.83	240.73	240.64	240.61	
21	240.05	240.73	240.84	240.81	240.68	241.22	243.22	242.27	240.83	240.72	240.62	240.61	
22	240.05	240.71	240.78	240.78	240.69	241.13	243.20	241.86	240.88	240.73	240.63	240.60	
23	240.03	240.71	240.77	240.77	240.69	241.10	242.29	241.59	240.85	240.73	240.63	240.59	
24	240.15	241.65	240.76	240.76	240.66	241.06	241.87	241.49	240.80	240.72	240.64	240.58	
25	240.18	241.75	240.74	240.75	240.64	241.16	241.60	241.37	240.78	240.72	240.65	240.59	
26	240.18	241.13	240.74	240.74	240.64	241.78	241.51	241.33	240.78	240.71	240.66	240.59	
27	240.17	240.95	240.72	240.73	240.65	241.53	241.39	241.27	240.78	240.71	240.65	240.58	
28	240.16	240.91	240.72	240.72	240.67	241.32	241.37	241.25	240.80	240.70	240.65	240.60	
29	240.46	241.19	240.72	240.72	240.65	241.24	241.31	241.22	240.81	240.70		240.63	
30	240.98	241.38	240.72	240.74	240.66	241.18	241.36	241.20	240.83	240.70		240.63	
31		241.68		240.76	240.68		241.38		240.76	240.70		240.62	
MEAN	240.08	240.83	240.85	240.78	240.69	241.31	241.56	241.47	240.91	240.74	240.66	240.61	
MAX	240.98	241.75	241.35	241.16	240.75	242.39	243.36	242.30	241.16	240.78	240.70	240.64	243.36
MIN	239.90	240.56	240.72	240.67	240.64	240.67	240.94	240.99	240.76	240.70	240.62	240.58	239.90

ANNUAL MAX MOMENTARY GAGE HEIGHT 244.16 M (MSL), AT 14.00 HOURS, ON OCT 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 240.12 M (MSL), RIVER BED 239.91 M (MSL)
LEFT BANK ELEVATION 251.67 M (MSL)
RIGHT BANK ELEVATION 250.91 M (MSL), DRAINAGE AREA 1103 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.42	6.85	0.42	0.50	0.34	5.04	6.34	4.16	0.54	0.40	0.28	
2	0.00	0.28	4.34	0.38	0.50	0.36	4.56	5.52	3.98	0.48	0.38	0.28	
3	0.00	0.18	3.98	0.38	0.50	3.02	4.88	4.72	3.92	0.48	0.36	0.26	
4	0.00	0.12	3.56	0.40	0.46	1.08	16.45	4.34	3.74	0.54	0.36	0.26	
5	0.00	0.12	2.30	0.38	0.42	0.68	11.54	4.16	3.68	0.56	0.36	0.26	
6	0.00	0.20	1.32	0.36	0.38	0.68	6.68	4.04	3.62	0.56	0.36	0.26	
7	0.00	0.22	1.00	0.40	0.40	0.52	4.56	3.80	3.38	0.54	0.32	0.26	
8	0.00	0.32	1.00	0.40	0.42	0.50	3.86	3.74	2.84	0.54	0.32	0.26	
9	0.00	0.28	0.76	0.38	0.38	0.46	3.74	3.56	2.66	0.50	0.34	0.24	
10	0.00	0.14	0.68	0.38	0.48	0.52	2.48	3.26	2.48	0.52	0.24	0.24	
11	0.00	0.42	0.58	0.34	0.42	23.49	2.12	3.38	2.48	0.56	0.32	0.22	
12	0.00	0.92	0.56	0.40	0.36	36.31	2.48	3.02	2.30	0.54	0.32	0.22	
13	0.00	0.46	0.52	0.44	0.40	35.92	3.26	4.56	2.12	0.50	0.30	0.20	
14	0.00	0.34	0.50	0.50	0.44	18.94	2.84	19.22	1.76	0.56	0.32	0.22	
15	0.00	0.28	1.08	3.86	0.36	11.54	3.26	29.20	1.32	0.54	0.32	0.28	
16	0.00	0.20	0.58	4.16	0.38	21.30	2.66	28.18	1.08	0.50	0.30	0.24	
17	0.00	0.14	0.56	3.68	0.34	20.10	3.44	22.83	0.92	0.48	0.28	0.22	
18	0.00	0.12	1.08	1.32	0.38	13.22	84.92	15.45	0.92	0.48	0.28	0.22	
19	0.00	0.58	1.08	2.12	0.38	10.11	44.14	32.80	0.84	0.44	0.28	0.22	
20	0.00	0.54	1.08	1.08	0.34	6.51	36.31	24.81	0.84	0.46	0.28	0.22	
21	0.00	0.46	0.92	0.68	0.36	4.72	77.21	31.72	0.84	0.44	0.24	0.22	
22	0.00	0.42	0.56	0.56	0.38	3.98	76.13	18.38	1.24	0.46	0.26	0.20	
23	0.00	0.42	0.54	0.54	0.38	3.80	32.44	11.54	1.00	0.46	0.26	0.18	
24	0.00	12.97	0.52	0.52	0.32	3.56	18.66	9.50	0.60	0.44	0.28	0.16	
25	0.00	15.45	0.48	0.50	0.28	4.16	11.75	7.19	0.56	0.44	0.30	0.18	
26	0.00	3.98	0.48	0.48	0.28	16.20	9.90	6.51	0.56	0.42	0.32	0.18	
27	0.00	2.30	0.44	0.46	0.30	10.31	7.53	5.52	0.56	0.42	0.30	0.16	
28	0.00	1.58	0.44	0.44	0.34	6.34	7.19	5.20	0.60	0.40	0.30	0.20	
29	0.00	4.34	0.44	0.44	0.30	5.04	6.17	4.72	0.68	0.40		0.26	
30	2.84	7.36	0.44	0.48	0.32	4.28	7.02	4.40	0.84	0.40		0.26	
31		13.71		0.52	0.36		7.36		0.52	0.40		0.24	
TOTAL	2.84	69.27	38.67	27.40	11.86	267.99	510.58	331.61	57.04	15.00	8.70	7.10	1348.06 CMSDAY
MEAN	0.09	2.23	1.29	0.88	0.38	8.93	16.47	11.05	1.84	0.48	0.31	0.23	3.69 CMS
MAX	2.84	15.45	6.85	4.16	0.50	36.31	84.92	32.80	4.16	0.56	0.40	0.28	84.92 CMS
MIN	0.00	0.12	0.44	0.34	0.28	0.34	2.12	3.02	0.52	0.40	0.24	0.16	0.00 CMS
RUNOFF	0.245	5.985	3.341	2.367	1.025	23.154	44.114	28.651	4.928	1.296	0.752	0.613	116.472 MCM

MOMENTARY PEAK 134.40 CMS, AT 244.16 M (MSL), AT 14.00 HOURS, ON OCT 18, 1985

RUNOFF YIELD 3.35 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 121.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

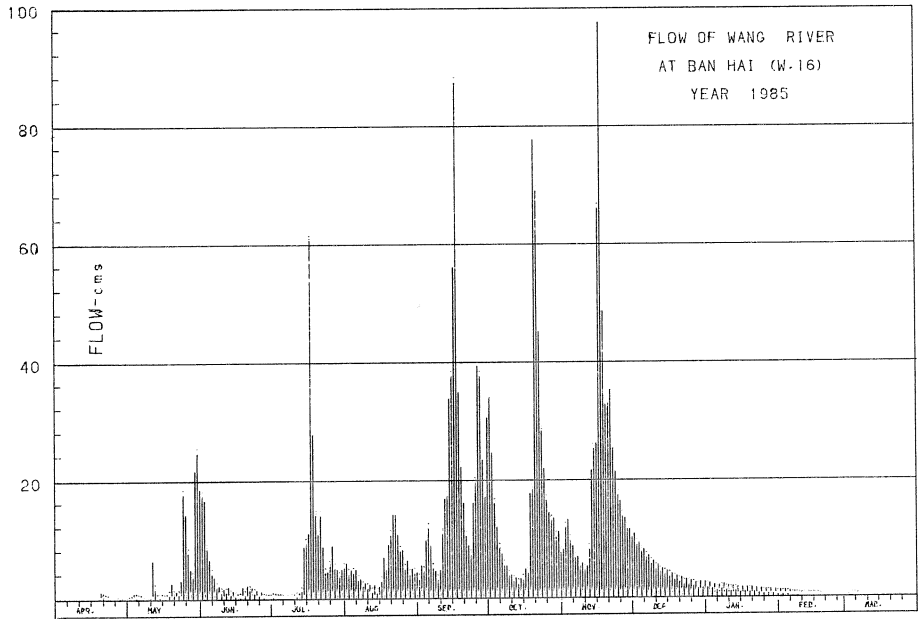
WANG RIVER AT BAN HAI, LAMPANG (W.16)

LOCATION	LAT. 18-48-12 N., LONG. 99-38-45 E., ON RIGHT BANK AT BAN HAI, AMPHOE CHAE HOM LAMPANG.
DRAINAGE AREA	1,284 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+7.676 M. (A.D.)
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 FLOAT	-
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 161 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.30	1.46	0.40	0.88	0.74	1.98	1.01	1.15	0.60	0.42	0.29	
2	0.18	0.32	1.40	0.39	0.81	0.85	1.68	1.24	1.10	0.59	0.42	0.30	
3	0.16	0.38	1.07	0.37	0.79	0.84	1.41	1.26	1.07	0.58	0.42	0.33	
4	0.16	0.39	0.92	0.37	0.82	1.10	1.21	1.14	1.04	0.55	0.42	0.35	
5	0.16	0.36	0.81	0.34	0.80	1.24	1.07	1.04	1.01	0.54	0.40	0.35	
6	0.16	0.34	0.70	0.33	0.73	1.05	0.97	0.98	0.98	0.54	0.38	0.31	
7	0.15	0.31	0.62	0.33	0.67	0.88	0.91	0.94	0.95	0.57	0.38	0.31	
8	0.15	0.29	0.55	0.33	0.64	0.78	0.84	0.89	0.92	0.57	0.38	0.29	
9	0.14	0.25	0.52	0.36	0.61	0.73	0.78	0.87	0.90	0.54	0.36	0.28	
10	0.12	0.34	0.49	0.35	0.61	0.79	0.72	0.85	0.86	0.53	0.35	0.28	
11	0.12	0.91	0.52	0.41	0.58	1.20	0.71	0.83	0.85	0.52	0.35	0.27	
12	0.13	0.60	0.53	0.39	0.52	1.41	0.68	1.06	0.82	0.52	0.36	0.27	
13	0.12	0.41	0.47	0.54	0.57	1.46	0.67	1.58	0.80	0.52	0.36	0.26	
14	0.12	0.40	0.44	1.04	0.51	1.95	0.67	1.73	0.79	0.50	0.35	0.26	
15	0.11	0.38	0.42	1.12	0.53	2.09	0.73	1.73	0.77	0.48	0.36	0.25	
16	0.11	0.36	0.38	1.16	0.71	2.44	0.80	2.63	0.76	0.49	0.35	0.26	
17	0.15	0.37	0.40	2.54	0.94	2.97	0.82	3.11	0.73	0.50	0.35	0.25	
18	0.23	0.46	0.53	1.78	0.87	1.98	1.44	2.31	0.72	0.49	0.33	0.24	
19	0.42	0.61	0.46	1.33	1.06	1.63	1.50	1.92	0.70	0.49	0.31	0.22	
20	0.40	0.46	0.56	1.15	1.19	1.38	2.81	1.95	0.69	0.49	0.32	0.21	
21	0.36	0.43	0.57	1.33	1.30	1.18	2.68	1.99	0.68	0.49	0.31	0.21	
22	0.33	0.47	0.52	1.04	1.34	1.05	2.22	1.73	0.65	0.47	0.31	0.21	
23	0.31	0.65	0.50	0.82	1.15	1.01	1.82	1.57	0.65	0.46	0.29	0.21	
24	0.28	1.47	0.46	0.77	1.05	1.38	1.59	1.46	0.65	0.46	0.29	0.21	
25	0.26	1.30	0.45	0.91	1.01	1.54	1.43	1.39	0.63	0.45	0.29	0.21	
26	0.27	1.03	0.42	1.05	0.87	2.11	1.31	1.32	0.63	0.44	0.29	0.20	
27	0.25	0.80	0.39	0.88	0.91	2.09	1.29	1.27	0.60	0.45	0.30	0.20	
28	0.24	0.77	0.36	0.80	0.80	1.64	1.27	1.23	0.60	0.44	0.31	0.20	
29	0.24	1.58	0.35	0.77	0.81	1.45	1.17	1.19	0.61	0.44		0.20	
30	0.23	1.71	0.36	0.80	0.82	1.86	1.17	1.17	0.60	0.43		0.19	
31		1.47		0.89	0.76		1.03		0.61	0.42		0.19	
MEAN	0.21	0.64	0.59	0.81	0.83	1.43	1.27	1.45	0.79	0.50	0.35	0.25	
MAX	0.42	1.71	1.46	2.54	1.34	2.97	2.81	3.11	1.15	0.60	0.42	0.35	3.11
MIN	0.11	0.25	0.35	0.33	0.51	0.73	0.67	0.83	0.60	0.42	0.29	0.19	0.11

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.59 M (A.D), AT 3.00 HOURS, ON NOV 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.05 M (A.D)
LEFT BANK ELEVATION 7.02 M (A.D)
RIGHT BANK ELEVATION 6.41 M (A.D), DRAINAGE AREA 1284 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.50	18.22	1.00	5.94	4.12	34.88	8.18	10.80	2.50	1.14	0.47	
2	0.16	0.60	16.60	0.95	5.03	5.55	24.60	12.76	9.80	2.42	1.14	0.50	
3	0.12	0.90	9.26	0.85	4.77	5.42	16.87	13.24	9.26	2.34	1.14	0.65	
4	0.12	0.95	6.56	0.85	5.16	9.80	12.04	10.60	8.72	2.10	1.14	0.75	
5	0.12	0.80	5.03	0.70	4.90	12.76	9.26	8.72	8.18	2.02	1.00	0.75	
6	0.12	0.70	3.60	0.65	3.99	8.90	7.46	7.64	7.64	2.02	0.90	0.55	
7	0.10	0.55	2.72	0.65	3.27	5.94	6.38	6.92	7.10	2.26	0.90	0.55	
8	0.10	0.47	2.10	0.65	2.94	4.64	5.42	6.07	6.56	2.26	0.90	0.47	
9	0.08	0.35	1.86	0.80	2.61	3.99	4.64	5.81	6.20	2.02	0.80	0.44	
10	0.04	0.70	1.63	0.75	2.61	4.77	3.86	5.55	5.68	1.94	0.75	0.44	
11	0.04	6.38	1.86	1.07	2.34	11.80	3.73	5.29	5.55	1.86	0.75	0.41	
12	0.06	2.50	1.94	0.95	1.86	16.87	3.38	9.08	5.16	1.86	0.80	0.41	
13	0.04	1.07	1.49	2.02	2.26	18.22	3.27	21.62	4.90	1.86	0.80	0.38	
14	0.04	1.00	1.28	8.72	1.78	33.80	3.27	26.16	4.77	1.70	0.75	0.38	
15	0.02	0.90	1.14	10.20	1.94	38.48	3.99	26.16	4.51	1.56	0.80	0.35	
16	0.02	0.80	0.90	11.00	3.73	56.08	4.90	66.80	4.38	1.63	0.75	0.38	
17	0.10	0.85	1.00	61.52	6.92	88.22	5.16	97.52	3.99	1.70	0.75	0.35	
18	0.29	1.42	1.94	27.76	5.81	34.88	17.68	49.32	3.86	1.63	0.65	0.32	
19	1.14	2.61	1.42	14.92	9.08	23.10	19.30	32.72	3.60	1.63	0.55	0.26	
20	1.00	1.42	2.18	10.80	11.60	16.12	77.66	33.80	3.49	1.63	0.60	0.23	
21	0.80	1.21	2.26	14.92	14.20	11.40	69.80	35.24	3.38	1.63	0.55	0.23	
22	0.65	1.49	1.86	8.72	15.16	8.90	45.12	26.16	3.05	1.49	0.55	0.23	
23	0.55	3.05	1.70	5.16	10.80	8.18	29.12	21.33	3.05	1.42	0.47	0.23	
24	0.44	18.49	1.42	4.51	8.90	16.12	21.91	18.22	3.05	1.42	0.47	0.23	
25	0.38	14.20	1.35	6.38	8.18	20.46	17.41	16.36	2.83	1.35	0.47	0.23	
26	0.41	8.54	1.14	8.90	5.81	39.34	14.44	14.68	2.83	1.28	0.47	0.20	
27	0.35	4.90	0.95	5.94	6.38	38.48	13.96	13.48	2.50	1.35	0.50	0.20	
28	0.32	4.51	0.80	4.90	4.90	23.40	13.48	12.52	2.50	1.28	0.55	0.20	
29	0.32	21.62	0.75	4.51	5.03	17.95	11.20	11.60	2.61	1.28		0.20	
30	0.29	25.52	0.80	4.90	5.16	30.56	11.20	11.20	2.50	1.21		0.18	
31		18.49		6.07	4.38		8.54		2.61	1.14		0.18	
TOTAL	8.38	147.49	95.76	231.72	177.44	618.25	523.93	634.75	155.06	53.79	21.04	11.35	2678.96 CMSDAY
MEAN	0.28	4.76	3.19	7.47	5.72	20.61	16.90	21.16	5.00	1.74	0.75	0.37	7.34 CMS
MAX	1.14	25.52	18.22	61.52	15.16	88.22	77.66	97.52	10.80	2.50	1.14	0.75	97.52 CMS
MIN	0.02	0.35	0.75	0.65	1.78	3.99	3.27	5.29	2.50	1.14	0.47	0.18	0.02 CMS
RUNOFF	0.724	12.743	8.274	20.021	15.331	53.417	45.268	54.842	13.397	4.647	1.818	0.981	231 462 MCM

MOMENTARY PEAK 133.20 CMS, AT 3.59 M (A.D), AT 3.00 HOURS, ON NOV 17, 1985

RUNOFF YIELD 5.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 103.74 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WANG RIVER BASIN

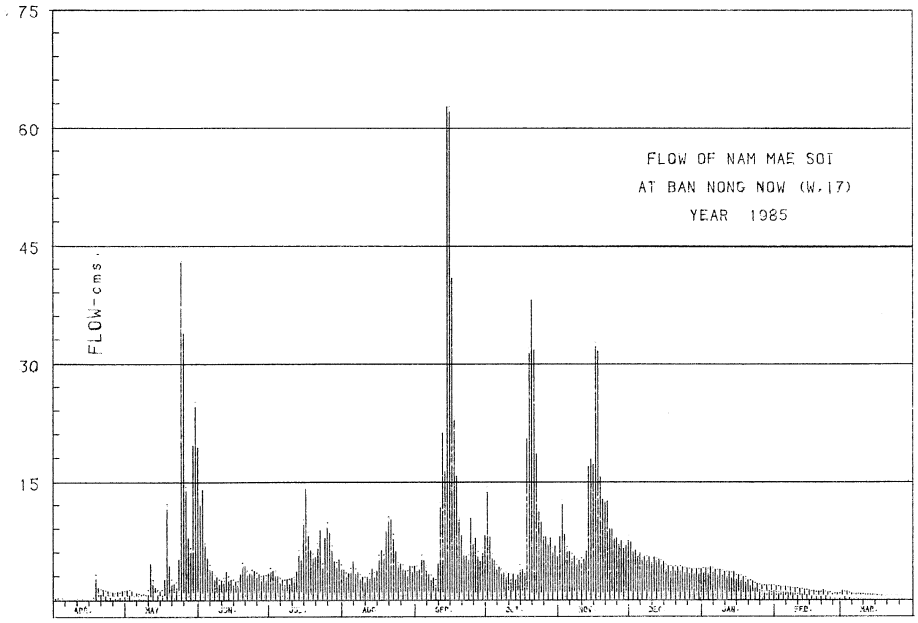
NAM MAE SOI AT BAN NONG NOW, LAMPANG (W.17)

LOCATION	LAT. 18-43-16 N., LONG 99-34-12 E., ON RIGHT BANK AT THE BRIDGE OF LAMPANG-WANG NUA ROAD, BAN NONG NOW, TAMBON CHAE HOM, AMPHOE CHAE HOM, LAMPANG.
DRAINAGE AREA	619 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+292.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 21 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+295.790 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1980 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	291.98	292.12	292.91	292.39	292.37	292.41	293.00	292.66	292.62	292.39	292.18	292.11	
2	291.98	292.13	292.98	292.36	292.34	292.37	292.66	292.92	292.58	292.39	292.18	292.10	
3	291.98	292.11	292.61	292.36	292.33	292.51	292.52	292.68	292.55	292.38	292.17	292.10	
4	291.98	292.03	292.48	292.30	292.39	292.46	292.46	292.58	292.54	292.40	292.17	292.08	
5	291.98	292.08	292.42	292.28	292.45	292.41	292.42	292.54	292.53	292.39	292.17	292.07	
6	291.97	292.07	292.36	292.26	292.38	292.32	292.40	292.52	292.51	292.37	292.16	292.06	
7	291.97	292.05	292.31	292.26	292.34	292.31	292.38	292.50	292.50	292.37	292.16	292.06	
8	291.97	292.06	292.29	292.27	292.32	292.28	292.36	292.47	292.50	292.37	292.15	292.06	
9	291.97	292.05	292.26	292.27	292.29	292.26	292.34	292.46	292.49	292.36	292.15	292.06	
10	291.97	292.13	292.25	292.28	292.29	292.43	292.33	292.48	292.49	292.35	292.15	292.06	
11	291.97	292.43	292.28	292.29	292.29	292.90	292.32	292.47	292.49	292.35	292.14	292.05	
12	291.97	292.26	292.35	292.35	292.33	293.27	292.32	292.59	292.48	292.35	292.14	292.05	
13	291.96	292.16	292.30	292.55	292.38	293.11	292.32	293.11	292.47	292.34	292.13	292.05	
14	291.96	292.13	292.26	292.46	292.34	294.33	292.31	293.17	292.46	292.35	292.13	292.05	
15	291.96	292.11	292.26	292.79	292.36	294.33	292.42	293.12	292.45	292.31	292.12	292.05	
16	291.96	292.13	292.24	292.99	292.51	293.83	292.37	293.62	292.42	292.31	292.11	292.04	
17	292.01	292.26	292.24	292.70	292.55	293.34	292.39	293.59	292.41	292.31	292.11	292.04	
18	292.32	292.89	292.32	292.55	292.51	293.06	293.24	293.08	292.41	292.29	292.10	292.03	
19	292.16	292.41	292.44	292.52	292.70	292.82	293.60	292.92	292.40	292.29	292.10	292.03	
20	292.14	292.26	292.41	292.49	292.81	292.67	293.76	292.94	292.41	292.25	292.10	292.03	
21	292.13	292.21	292.36	292.61	292.79	292.55	293.61	292.91	292.40	292.25	292.12	292.03	
22	292.12	292.23	292.33	292.71	292.68	292.50	293.17	292.76	292.41	292.24	292.10	292.03	
23	292.11	292.47	292.37	292.43	292.54	292.51	292.87	292.72	292.40	292.22	292.09	292.03	
24	292.10	293.89	292.36	292.65	292.44	292.80	292.77	292.68	292.39	292.21	292.09	292.03	
25	292.09	293.65	292.34	292.77	292.43	292.64	292.70	292.65	292.39	292.20	292.06	292.03	
26	292.08	293.00	292.32	292.69	292.42	292.65	292.66	292.64	292.38	292.19	292.07	292.03	
27	292.10	292.65	292.30	292.59	292.36	292.54	292.64	292.63	292.38	292.19	292.07	292.02	
28	292.09	292.57	292.31	292.45	292.36	292.45	292.65	292.61	292.38	292.19	292.07	292.02	
29	292.11	293.21	292.31	292.44	292.41	292.57	292.57	292.59	292.38	292.19		292.01	
30	292.11	293.40	292.33	292.47	292.40	292.67	292.59	292.67	292.38	292.19		292.01	
31		293.20		292.42	292.41		292.54		292.38	292.19		292.01	
MEAN	292.04	292.46	292.38	292.48	292.44	292.78	292.67	292.78	292.45	292.30	292.12	292.05	
MAX	292.32	293.89	292.98	292.99	292.81	294.33	293.76	293.62	292.62	292.40	292.18	292.11	294.33
MIN	291.96	292.03	292.24	292.26	292.29	292.26	292.31	292.46	292.38	292.19	292.06	292.01	291.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 294.56 M (MSL), AT 6.00 HOURS, ON SEP 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 292.00 M (MSL), RIVER BED 291.71 M (MSL)
LEFT BANK ELEVATION 294.77 M (MSL)
RIGHT BANK ELEVATION 296.36 M (MSL), DRAINAGE AREA 619 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	1.23	12.60	4.09	3.86	4.34	14.40	8.04	7.38	4.09	1.77	1.14	
2	0.26	1.32	14.00	3.74	3.51	3.86	8.04	12.80	6.76	4.09	1.77	1.05	
3	0.26	1.14	7.21	3 74	3.39	5.75	5.89	8.37	6.32	3.97	1.68	1.05	
4	0.26	0.54	5.32	3.05	4.09	5.04	5.04	6.76	6.18	4.20	1.68	0.90	
5	0.26	0.90	4.48	2.83	4.90	4.34	4.48	6.18	6.03	4.09	1.68	0.83	
6	0.22	0.83	3.74	2.61	3.97	3.28	4.20	5.89	5.75	3.86	1.59	0.76	
7	0.22	0.68	3.17	2.61	3.51	3.17	3.97	5.60	5.60	3.86	1.59	0.76	
8	0.22	0 76	2.94	2.72	3.28	2.83	3.74	5.18	5.60	3.86	1.50	0.76	
9	0.22	0.68	2.61	2.72	2.94	2.61	3.51	5.04	5.46	3.74	1.50	0.76	
10	0.22	1.32	2.50	2.83	2.94	4.62	3.39	5.32	5.46	3.63	1.50	0.76	
11	0.22	4.62	2.83	2.94	2.94	12.40	3.28	5.18	5.46	3.63	1.41	0.68	
12	0.22	2.61	3.63	3.63	3.39	21.29	3.28	6.90	5.32	3.63	1.41	0.68	
13	0.19	1.59	3.05	6.32	3.97	16.97	3.28	16.97	5.18	3.51	1.32	0.68	
14	0.19	1.32	2.61	5.04	3.51	62.75	3.17	18.59	5.04	3.63	1.32	0.68	
15	0.19	1.14	2.61	10.23	3.74	62.75	4.48	17.24	4.90	3.17	1.23	0.68	
16	0.19	1.32	2.39	14.20	5.75	40.96	3.86	32.76	4.48	3.17	1.14	0.61	
17	0.39	2.61	2.39	8.70	6.32	23.34	4.09	31.65	4.34	3.17	1.14	0.61	
18	3.28	12.20	3.28	6.32	5.75	15.78	20.48	16.24	4.34	2.94	1.05	0.54	
19	1.59	4.34	4.76	5.89	8.70	10.80	32.00	12.80	4.20	2.94	1.05	0.54	
20	1.41	2.61	4.34	5.46	10.60	8.21	38.14	13.20	4.34	2.50	1.05	0.54	
21	1.32	2.06	3.74	7.21	10.23	6.32	32.38	12.60	4.20	2.50	1.23	0.54	
22	1.23	2.28	3.39	8.87	8.37	5.60	18.59	9.72	4.34	2.39	1.05	0.54	
23	1.14	5.18	3.86	4.62	6.18	5.75	11.80	9.04	4.20	2.17	0.98	0.54	
24	1.05	43.48	3.74	7.87	4.76	10.40	9.89	8.37	4.09	2.06	0.98	0.54	
25	0.98	33.90	3.51	9.89	4.62	7.71	8.70	7.87	4.09	1.95	0.76	0.54	
26	0.90	14.40	3.28	8.53	4.48	7.87	8.04	7.71	3.97	1.86	0.83	0.54	
27	1.05	7.87	3.05	6.90	3.74	6.18	7.71	7.54	3.97	1.86	0.83	0.47	
28	0.98	6.62	3.17	4.90	3.74	4.90	7.87	7.21	3.97	1.86	0.83	0.47	
29	1.14	19.67	3.17	4.76	4.34	6.62	6.62	6.90	3.97	1.86		0.39	
30	1.14	25.20	3.39	5.18	4.20	8.21	6.90	8.21	3.97	1.86		0.39	
31		19.40		4.48	4.34		6.18		3.97	1.86		0.39	
TOTAL	21.20	223.82	124.76	172.88	150.06	384.65	297.40	325.88	152.88	93.91	35.87	20.36	2003.67 CMSDAY
MEAN	0.71	7.22	4.16	5.58	4.84	12.82	9.59	10.86	4.93	3.03	1.28	0.66	5.49 CMS
MAX	3.28	43.48	14.00	14.20	10.60	62.75	38.14	32.76	7.38	4.20	1.77	1.14	62.75 CMS
MIN	0.19	0.54	2.39	2.61	2.94	2.61	3.17	5.04	3.97	1.86	0.76	0.39	0.19 CMS
RUNOFF	1.832	19.338	10.779	14.937	12.965	33.234	25.695	28.156	13.209	8.114	3.099	1.759	173.117 MCM

MOMENTARY PEAK 73.32 CMS, AT 294.56 M (MSL), AT 6.00 HOURS, ON SEP 14, 1985
RUNOFF YIELD 8.87 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 118.45 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

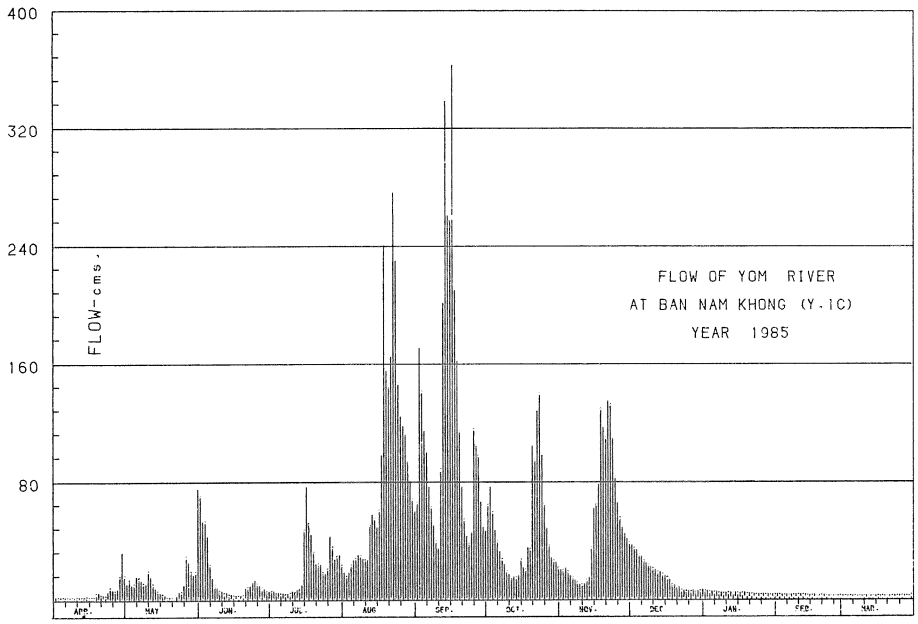
YOM RIVER AT BAN NAM KHONG, PHRAE (Y.1C)

LOCATION	LAT. 18-07-59 N., LONG. 100-07-39 E., ON RIGHT BANK ABOUT 5 METERS DOWNSTREAM FROM PHATHANA PHAK NUA 8 BRIDGE AT TAMBON PA MAT, AMPHOE MUANG, PHRAE.
DRAINAGE AREA	7,624 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+143.50 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+153.908 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 135 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	144.01	144.35	145.42	144.20	144.56	145.36	145.34	144.60	144.90	144.09	143.95	143.90	
2	144.01	144.44	145.17	144.18	144.51	146.73	145.49	144.60	144.87	144.07	143.96	143.88	
3	144.01	144.33	145.18	144.14	144.56	146.41	145.27	144.62	144.84	144.06	143.94	143.88	
4	144.01	144.36	145.01	144.14	144.67	145.94	145.08	144.58	144.79	144.05	143.93	143.88	
5	144.00	144.50	144.68	144.13	144.73	145.78	144.96	144.51	144.76	144.05	143.93	143.88	
6	144.00	144.48	144.47	144.12	144.76	145.49	144.84	144.49	144.71	144.05	143.93	143.88	
7	144.00	144.42	144.35	144.11	144.80	145.32	144.75	144.42	144.66	144.03	143.93	143.87	
8	144.01	144.38	144.27	144.11	144.80	145.13	144.67	144.39	144.64	144.02	143.94	143.88	
9	144.00	144.35	144.21	144.14	144.75	144.96	144.58	144.34	144.60	144.01	143.94	143.88	
10	144.01	144.59	144.18	144.17	144.74	144.87	144.53	144.35	144.58	144.01	143.95	143.88	
11	144.01	144.49	144.15	144.16	144.73	145.64	144.50	144.35	144.55	144.03	143.95	143.88	
12	144.01	144.36	144.15	144.22	145.14	147.01	144.49	144.44	144.52	144.02	143.95	143.88	
13	144.03	144.25	144.11	144.25	145.24	147.84	144.49	144.48	144.51	144.01	143.94	143.88	
14	144.03	144.20	144.09	144.33	145.21	147.41	144.51	144.89	144.48	144.02	143.92	143.87	
15	144.02	144.13	144.07	145.09	145.11	147.40	144.75	145.30	144.44	144.02	143.91	143.88	
16	144.01	144.11	144.06	145.49	145.29	147.95	144.63	145.34	144.42	144.01	143.91	143.88	
17	144.02	144.06	144.06	145.16	145.74	147.09	144.61	145.51	144.37	144.02	143.93	143.88	
18	144.14	144.01	144.05	145.03	147.30	146.64	144.88	146.23	144.26	144.02	143.91	143.88	
19	144.14	144.01	144.08	144.84	146.57	145.95	144.87	146.00	144.24	144.00	143.90	143.87	
20	144.09	143.99	144.26	144.68	146.46	145.49	145.81	145.87	144.21	143.99	143.92	143.87	
21	144.07	143.97	144.30	144.69	146.67	145.20	145.71	146.31	144.18	143.99	143.91	143.88	
22	144.06	144.12	144.31	144.67	147.51	145.01	146.20	146.28	144.11	143.96	143.90	143.88	
23	144.16	144.15	144.43	144.57	147.22	144.93	146.39	145.86	144.08	143.96	143.90	143.88	
24	144.30	144.18	144.43	144.54	146.48	145.05	145.74	145.58	144.09	143.96	143.89	143.89	
25	144.21	144.33	144.37	144.62	146.14	145.98	145.35	145.35	144.07	143.95	143.88	143.89	
26	144.20	144.79	144.32	145.01	146.05	145.81	145.10	145.21	144.07	143.96	143.89	143.89	
27	144.23	144.70	144.29	144.90	145.89	145.74	144.91	145.10	144.09	143.96	143.90	143.89	
28	144.51	144.58	144.24	144.74	145.71	145.36	144.76	145.03	144.05	143.95	143.90	143.88	
29	144.83	144.52	144.19	144.79	145.54	145.14	144.73	144.98	144.07	143.94		143.88	
30	144.52	144.58	144.17	144.80	145.39	145.07	144.70	144.94	144.10	143.94		143.94	
31		145.47		144.67	145.27		144.63		144.11	143.95		143.94	
MEAN	144.12	144.36	144.37	144.54	145.53	145.92	145.01	145.07	144.40	144.00	143.92	143.88	
MAX	144.83	145.47	145.42	145.49	147.51	147.95	146.39	146.31	144.90	144.09	143.96	143.94	147.95
MIN	144.00	143.97	144.05	144.11	144.51	144.87	144.49	144.34	144.05	143.94	143.88	143.87	143.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 148.10 M (MSL), AT 7.00 HOURS, ON SEP 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 143.50 M (MSL), RIVER BED 143.51 M (MSL)
LEFT BANK ELEVATION 152.84 M (MSL)
RIGHT BANK ELEVATION 154.04 M (MSL), DRAINAGE AREA 7624 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.20	10.75	71.10	6.50	18.70	66.50	65.00	20.50	37.00	6.30	3.75	3.00	
2	2.20	13.90	53.05	6.00	16.45	171.00	76.70	20.50	35.35	5.90	3.90	2.76	
3	2.20	10.05	53.70	5.00	18.70	141.80	59.90	21.50	33.70	5.70	3.60	2.76	
4	2.20	11.10	43.10	5.00	24.00	114.60	47.30	19.60	31.00	5.50	3.45	2.76	
5	2.00	16.00	24.50	4.75	27.00	101.70	40.10	16.45	29.50	5.50	3.45	2.76	
6	2.00	15.30	14.95	4.50	28.50	76.70	32.90	15.65	27.00	5.50	3.45	2.76	
7	2.00	13.20	10.75	4.25	30.50	63.50	28.00	13.20	24.90	5.10	3.45	2.64	
8	2.20	11.80	8.25	4.25	30.50	50.45	24.00	12.15	24.10	4.90	3.60	2.76	
9	2.00	10.75	6.75	5.00	28.00	40.10	19.60	10.40	22.50	4.70	3.60	2.76	
10	2.20	20.05	6.00	5.75	27.50	34.70	17.35	10.75	21.70	4.70	3.75	2.76	
11	2.20	15.65	5.25	5.50	27.00	89.10	16.00	10.75	20.50	5.10	3.75	2.76	
12	2.20	11.10	5.25	7.00	51.10	201.30	15.65	13.90	19.30	4.90	3.75	2.76	
13	2.60	7.75	4.25	7.75	57.80	340.00	15.65	15.30	18.90	4.70	3.60	2.76	
14	2.60	6.50	3.80	10.05	55.70	260.70	16.45	35.90	17.80	4.90	3.30	2.64	
15	2.40	4.75	3.40	47.90	49.15	259.00	28.00	62.00	16.40	4.90	3.15	2.76	
16	2.20	4.25	3.20	76.70	61.30	363.00	22.00	65.00	15.70	4.70	3.15	2.76	
17	2.40	3.20	3.20	52.40	98.10	211.70	21.00	78.30	13.95	4.90	3.45	2.76	
18	5.00	2.20	3.00	44.30	242.00	162.00	35.30	129.80	10.50	4.90	3.15	2.76	
19	5.00	2.20	3.60	32.90	155.30	115.00	34.70	117.00	10.00	4.50	3.00	2.64	
20	3.80	1.85	8.00	24.50	145.80	76.70	104.45	110.15	9.25	4.35	3.30	2.64	
21	3.40	1.55	9.00	25.00	165.00	55.00	95.40	134.70	8.50	4.35	3.15	2.76	
22	3.20	4.50	9.35	24.00	277.80	43.10	128.00	132.80	6.75	3.90	3.00	2.76	
23	5.50	5.25	13.55	19.15	230.00	38.30	140.30	109.20	6.10	3.90	3.00	2.76	
24	9.00	6.00	13.55	17.80	147.40	45.50	98.10	83.90	6.30	3.90	2.88	2.88	
25	6.75	10.05	11.45	21.50	124.40	116.20	65.75	65.75	5.90	3.75	2.76	2.88	
26	6.50	30.00	9.70	43.10	119.50	104.45	48.50	56.15	5.90	3.90	2.88	2.88	
27	7.25	25.50	8.75	36.50	112.05	98.10	37.10	49.00	6.30	3.90	3.00	2.88	
28	16.45	19.60	7.50	27.50	95.40	66.50	28.50	44.45	5.50	3.75	3.00	2.76	
29	32.30	16.90	6.25	30.00	80.70	51.10	27.00	41.40	5.90	3.60		2.76	
30	16.90	19.60	5.75	30.50	68.75	46.70	25.50	39.20	6.50	3.60		3.60	
31		75.10		24.00	59.90		22.00		6.75	3.75		3.60	
TOTAL	158.85	406.40	429.95	659.05	2674.00	3604.50	1436.20	1555.35	509.45	143.95	93.27	87.48	11758.45 CMSDAY
MEAN	5.30	13.11	14.33	21.26	86.26	120.15	46.33	51.84	16.43	4.64	3.33	2.82	32.21 CMS
MAX	32.30	75.10	71.10	76.70	277.80	363.00	140.30	134.70	37.00	6.30	3.90	3.60	363.00 CMS
MIN	2.00	1.55	3.00	4.25	16.45	34.70	15.65	10.40	5.50	3.60	2.76	2.64	1.55 CMS
RUNOFF	13.725	35.113	37.148	56.942	231.034	311.429	124.088	134.382	44.016	12.437	8.059	7.558	1015.930 MCM

MOMENTARY PEAK 396.00 CMS, AT 148.10 M (MSL), AT 7.00 HOURS, ON SEP 16, 1985
RUNOFF YIELD 4.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 51.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

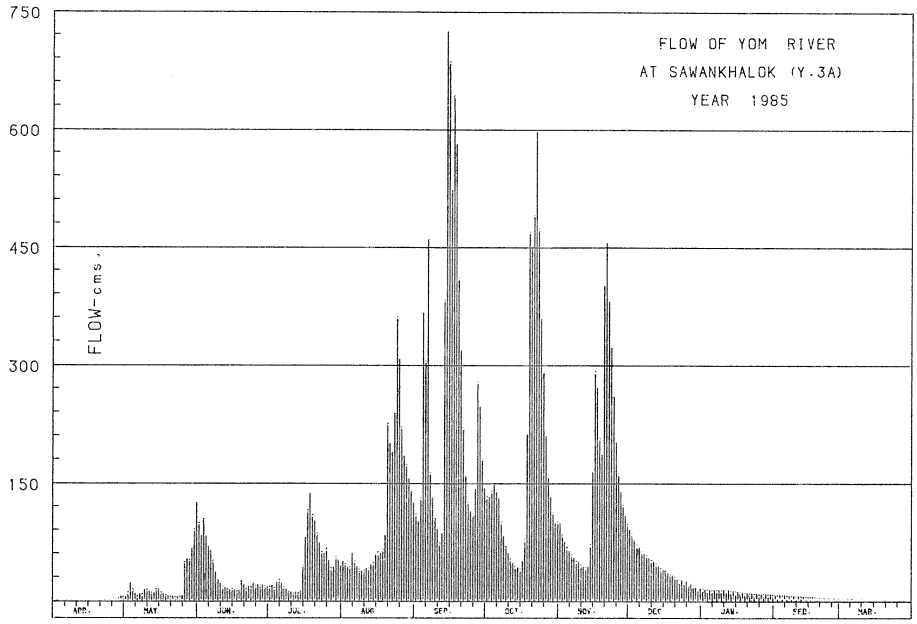
YOM RIVER AT SAWANKHALOK, SUKHOTHAI (Y.3A)

LOCATION	LAT. 17-18-29 N., LONG. 99-49-43 E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE SAWANKHALOK, SUKHOTHAI.
DRAINAGE AREA	13,583 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+51.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+60.559 M. (M.S.L.)
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 FLOAT	-
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 39 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	51.31	51.52	53.16	51.91	52.51	53.29	53.54	53.15	53.05	51.83	51.62	51.43	
2	51.31	51.73	52.96	51.94	52.46	53.18	53.53	52.97	52.99	51.81	51.62	51.43	
3	51.31	52.01	53.22	51.87	52.39	53.52	53.61	52.86	52.88	51.81	51.62	51.43	
4	51.31	51.83	52.95	52.03	52.40	55.66	53.70	52.77	52.81	51.80	51.61	51.43	
5	51.31	51.67	52.78	52.10	52.66	55.18	53.63	52.70	52.76	51.80	51.61	51.43	
6	51.31	51.59	52.71	51.99	52.51	56.33	53.51	52.63	52.69	51.80	51.59	51.42	
7	51.30	51.65	52.52	51.89	52.41	53.87	53.17	52.57	52.65	51.80	51.59	51.41	
8	51.30	51.66	52.28	51.82	52.35	53.52	52.95	52.51	52.62	51.80	51.58	51.41	
9	51.29	51.81	52.09	51.75	52.30	53.23	52.78	52.50	52.57	51.79	51.58	51.41	
10	51.29	51.82	51.99	51.72	52.32	53.06	52.66	52.44	52.53	51.80	51.57	51.40	
11	51.29	51.75	51.91	51.69	52.36	52.84	52.55	52.40	52.50	51.80	51.57	51.40	
12	51.29	51.72	51.87	51.72	52.37	52.99	52.47	52.38	52.46	51.79	51.57	51.39	
13	51.29	51.69	51.83	51.70	52.44	55.78	52.41	52.41	52.41	51.77	51.55	51.38	
14	51.29	51.84	51.80	51.76	52.48	58.05	52.38	52.82	52.37	51.76	51.55	51.37	
15	51.30	51.82	51.84	52.43	52.63	57.81	52.35	53.87	52.33	51.75	51.53	51.36	
16	51.31	51.73	51.80	52.93	52.68	56.76	52.51	55.06	52.31	51.74	51.53	51.36	
17	51.31	51.67	51.77	53.35	52.66	57.54	52.90	54.87	52.26	51.73	51.53	51.35	
18	51.31	51.63	51.78	53.58	52.73	57.15	54.33	54.29	52.22	51.71	51.51	51.34	
19	51.32	51.59	52.07	53.28	52.96	55.98	56.40	54.10	52.20	51.70	51.51	51.33	
20	51.33	51.55	51.96	53.19	54.46	55.29	56.26	55.93	52.17	51.69	51.48	51.33	
21	51.33	51.54	51.84	53.00	54.23	54.41	56.55	56.30	52.10	51.69	51.47	51.33	
22	51.33	51.53	51.91	52.84	54.15	53.82	57.25	55.79	52.10	51.68	51.46	51.32	
23	51.33	51.53	51.89	52.69	54.58	53.46	56.43	55.32	52.09	51.66	51.45	51.32	
24	51.35	51.55	52.00	52.66	55.62	53.32	55.60	54.80	52.06	51.66	51.45	51.32	
25	51.36	51.59	51.94	52.75	55.20	53.29	55.06	54.24	52.05	51.65	51.45	51.32	
26	51.38	52.50	51.96	52.52	54.42	53.64	54.31	53.86	52.01	51.65	51.44	51.31	
27	51.40	52.55	51.96	52.38	54.08	54.94	53.83	53.60	51.98	51.65	51.44	51.31	
28	51.45	52.54	51.95	52.39	53.97	54.65	53.53	53.42	51.94	51.65	51.43	51.31	
29	51.55	52.75	51.92	52.60	53.79	54.05	53.32	53.26	51.87	51.64		51.31	
30	51.55	53.06	51.89	52.53	53.64	53.65	53.15	53.14	51.86	51.64		51.30	
31		53.45		52.47	53.45		53.18		51.85	51.63		51.30	
MEAN	51.34	51.90	52.15	52.37	53.20	54.68	53.87	53.63	52.34	51.73	51.53	51.36	
MAX	51.55	53.45	53.22	53.58	55.62	58.05	57.25	56.30	53.05	51.83	51.62	51.43	58.05
MIN	51.29	51.52	51.77	51.69	52.30	52.84	52.35	52.38	51.85	51.63	51.43	51.30	51.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 58.28 M (MSL), AT 23.00 HOURS, ON SEP 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 51.00 M (MSL), RIVER BED 50.82 M (MSL)
LEFT BANK ELEVATION 61.01 M (MSL)
RIGHT BANK ELEVATION 60.91 M (MSL), DRAINAGE AREA 13583 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	5.45	99.80	18.95	51.15	111.10	133.60	99.00	91.00	15.70	7.95	3.60	
2	1.20	11.87	83.80	20.30	47.90	101.40	132.70	84.60	86.20	14.90	7.95	3.60	
3	1.20	23.45	104.80	17.30	43.45	131.80	139.90	75.80	77.40	14.90	7.95	3.60	
4	1.20	15.70	83.00	24.35	44.00	366.80	148.00	68.90	71.80	14.50	7.60	3.60	
5	1.20	9.70	69.60	27.50	61.20	305.80	141.70	64.00	68.20	14.50	7.60	3.60	
6	1.20	7.03	64.70	22.55	51.15	460.20	130.90	59.10	63.30	14.50	7.03	3.40	
7	1.00	9.00	51.80	18.10	44.65	164.00	100.60	55.05	60.50	14.50	7.03	3.20	
8	1.00	9.35	37.40	15.30	41.25	131.80	83.00	51.15	58.40	14.50	6.80	3.20	
9	0.80	14.90	27.05	12.63	38.50	105.70	69.60	50.50	55.05	14.13	6.80	3.20	
10	0.80	15.30	22.55	11.50	39.60	91.80	61.20	46.60	52.45	14.50	6.58	3.00	
11	0.80	12.63	18.95	10.40	41.80	74.20	53.75	44.00	50.50	14.50	6.58	3.00	
12	0.80	11.50	17.30	11.50	42.35	86.20	48.55	42.90	47.90	14.13	6.58	2.80	
13	0.80	10.40	15.70	10.75	46.60	383.20	44.65	44.65	44.65	13.38	6.13	2.60	
14	0.80	16.10	14.50	13.00	49.20	725.00	42.90	72.60	42.35	13.00	6.13	2.40	
15	1.00	15.30	16.10	45.95	59.10	686.60	41.25	164.00	40.15	12.63	5.67	2.20	
16	1.20	11.87	14.50	81.40	62.60	523.00	51.15	292.60	39.05	12.25	5.67	2.20	
17	1.20	9.70	13.38	116.50	61.20	643.40	79.00	271.70	36.30	11.87	5.67	2.00	
18	1.20	8.30	13.75	137.20	66.10	581.50	212.30	207.90	34.10	11.12	5.22	1.80	
19	1.40	7.03	26.15	110.20	83.80	411.20	470.00	187.00	33.00	10.75	5.22	1.60	
20	1.60	6.13	21.20	102.20	226.60	318.80	450.40	404.20	31.35	10.40	4.60	1.60	
21	1.60	5.90	16.10	87.00	201.30	221.10	491.50	456.00	27.50	10.40	4.40	1.60	
22	1.60	5.67	18.95	74.20	192.50	159.00	597.00	384.60	27.50	10.05	4.20	1.40	
23	1.60	5.67	18.10	63.30	239.80	126.40	474.20	322.60	27.05	9.35	4.00	1.40	
24	2.00	6.13	23.00	61.20	361.60	113.80	359.00	264.00	25.70	9.35	4.00	1.40	
25	2.20	7.03	20.30	67.50	308.00	111.10	292.60	202.40	25.25	9.00	4.00	1.40	
26	2.60	50.50	21.20	51.80	222.20	142.60	210.10	163.00	23.45	9.00	3.80	1.20	
27	3.00	53.75	21.20	42.90	185.00	279.40	160.00	139.00	22.10	9.00	3.80	1.20	
28	4.00	53.10	20.75	43.45	174.00	247.50	132.70	122.80	20.30	9.00	3.60	1.20	
29	6.13	67.50	19.40	57.00	156.10	182.00	113.80	108.40	17.30	8.65		1.20	
30	6.13	91.80	18.10	52.45	142.60	143.50	99.00	98.20	16.90	8.65		1.00	
31		125.50		48.55	125.50		101.40		16.50	8.30		1.00	
TOTAL	52.46	703.26	1013.13	1476.93	3510.80	8129.90	5666.45	4647.25	1333.20	371.41	162.56	70.20	27137.55 CMSDAY
MEAN	1.75	22.69	33.77	47.64	113.25	271.00	182.79	154.91	43.01	11.98	5.81	2.26	74.35 CMS
MAX	6.13	125.50	104.80	137.20	361.60	725.00	597.00	456.00	91.00	15.70	7.95	3.60	725.00 CMS
MIN	0.80	5.45	13.38	10.40	38.50	74.20	41.25	42.90	16.50	8.30	3.60	1.00	0.80 CMS
RUNOFF	4.533	60.762	87.534	127.607	303.333	702.423	489.581	401.522	115.188	32.090	14.045	6.065	2344.685 MCM

MOMENTARY PEAK 761.80 CMS, AT 58.28 M (MSL), AT 23.00 HOURS, ON SEP 14, 1985
RUNOFF YIELD 5.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 56.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

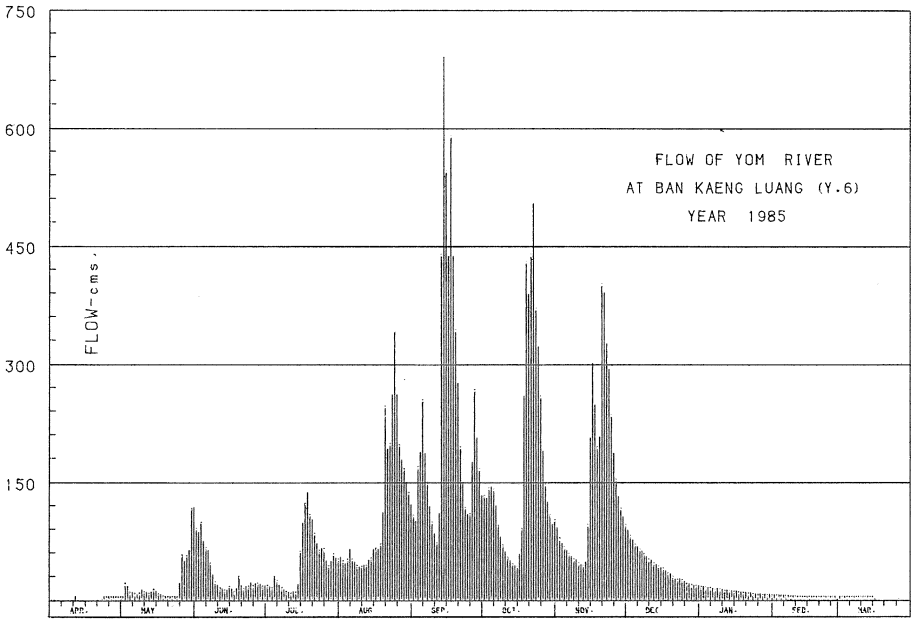
YOM RIVER AT BAN KAENG LUANG, SUKHOTHAI (Y.6)

LOCATION	LAT. 17-26-03 N., LONG. 99-47-32 E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM KAENG LUANG, AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,658 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+59.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+68.928 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1952 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW DIVERTED FOR IRRIGATION ABOUT 24.000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 84 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	59.43	59.67	61.12	60.12	60.70	61.28	61.50	61.13	61.10	60.07	59.77	59.57	
2	59.40	60.19	61.07	60.07	60.64	61.21	61.47	61.00	61.03	60.07	59.77	59.57	
3	59.38	60.08	61.20	60.05	60.59	61.79	61.58	60.92	60.97	60.06	59.76	59.56	
4	59.38	59.90	60.95	60.34	60.67	61.92	61.59	60.87	60.91	60.05	59.76	59.56	
5	59.38	59.89	60.86	60.25	60.83	62.36	61.57	60.81	60.87	60.05	59.75	59.56	
6	59.37	59.85	60.81	60.12	60.67	61.91	61.39	60.76	60.83	60.01	59.75	59.56	
7	59.37	59.78	60.60	60.05	60.62	61.64	61.16	60.71	60.80	60.00	59.74	59.56	
8	59.37	59.87	60.37	59.97	60.56	61.38	61.01	60.67	60.76	60.01	59.73	59.56	
9	59.37	59.97	60.21	59.93	60.53	61.20	60.90	60.66	60.71	60.00	59.73	59.55	
10	59.37	59.92	60.12	59.89	60.54	61.05	60.79	60.60	60.67	59.98	59.72	59.54	
11	59.57	59.89	60.04	59.87	60.56	60.93	60.70	60.57	60.65	59.96	59.71	59.54	
12	59.37	59.86	60.00	59.91	60.56	61.30	60.64	60.56	60.60	59.96	59.70	59.53	
13	59.36	59.90	59.97	59.91	60.65	63.31	60.59	60.62	60.57	59.95	59.70	59.53	
14	59.35	60.00	59.96	60.14	60.69	64.07	60.55	61.17	60.54	59.94	59.70	59.53	
15	59.34	59.93	60.09	60.80	60.83	63.69	60.54	62.05	60.51	59.93	59.70	59.52	
16	59.34	59.84	59.99	61.19	60.85	63.30	60.75	62.63	60.50	59.93	59.69	59.50	
17	59.39	59.79	59.93	61.42	60.83	63.82	61.12	62.32	60.45	59.90	59.67	59.49	
18	59.40	59.74	60.01	61.53	60.92	63.30	62.39	61.97	60.41	59.89	59.66	59.49	
19	59.40	59.71	60.34	61.29	61.31	62.87	63.27	62.06	60.39	59.89	59.65	59.48	
20	59.49	59.68	60.11	61.23	62.31	62.49	63.08	63.14	60.33	59.88	59.64	59.47	
21	59.50	59.67	60.02	61.06	61.95	61.97	63.31	63.09	60.27	59.86	59.63	59.47	
22	59.49	59.68	60.08	60.92	62.00	61.62	63.55	62.79	60.27	59.86	59.60	59.47	
23	59.65	59.64	60.10	60.81	62.40	61.37	63.00	62.59	60.28	59.83	59.60	59.47	
24	59.64	59.69	60.19	60.84	62.87	61.29	62.75	62.24	60.26	59.81	59.59	59.47	
25	59.58	60.17	60.11	60.84	62.40	61.30	62.39	61.91	60.22	59.81	59.58	59.46	
26	59.54	60.74	60.16	60.64	61.99	61.83	61.93	61.67	60.17	59.81	59.58	59.46	
27	59.53	60.63	60.18	60.55	61.85	62.44	61.62	61.49	60.15	59.80	59.53	59.45	
28	59.65	60.73	60.15	60.63	61.77	62.05	61.43	61.36	60.14	59.80	59.49	59.45	
29	59.70	60.81	60.10	60.76	61.64	61.77	61.29	61.26	60.11	59.79		59.44	
30	59.66	61.36	60.10	60.69	61.53	61.50	61.17	61.17	60.11	59.79		59.44	
31		61.37		60.67	61.40		61.23		60.10	59.78		59.43	
MEAN	59.46	60.06	60.30	60.53	61.21	62.07	61.62	61.49	60.51	59.92	59.67	59.51	
MAX	59.70	61.37	61.20	61.53	62.87	64.07	63.55	63.14	61.10	60.07	59.77	59.57	64.07
MIN	59.34	59.64	59.93	59.87	60.53	60.93	60.54	60.56	60.10	59.78	59.49	59.43	59.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 64.13 M (MSL), AT 15.00 HOURS, ON SEP 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 59.00 M (MSL), RIVER BED 247.72 M (MSL)
LEFT BANK ELEVATION 68.84 M (MSL)
RIGHT BANK ELEVATION 69.58 M (MSL), DRAINAGE AREA 12658 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.3	5.5	92.0	19.9	55.5	108.8	134.0	93.0	90.0	17.8	7.3	5.5	
2	1.0	23.0	87.0	17.8	51.0	101.1	130.4	80.0	83.0	17.8	7.3	5.5	
3	0.8	18.2	100.0	17.0	47.4	170.6	143.6	72.9	77.3	17.4	7.0	5.5	
4	0.8	11.0	75.6	31.4	53.2	188.8	144.8	68.8	72.0	17.0	7.0	5.5	
5	0.8	10.7	68.0	26.2	65.7	255.6	142.4	64.1	68.8	17.0	6.8	5.5	
6	0.7	9.5	64.1	19.9	53.2	187.4	120.9	60.2	65.7	15.4	6.8	5.5	
7	0.7	7.5	48.0	17.0	49.5	150.8	96.0	56.3	63.3	15.0	6.5	5.5	
8	0.7	10.1	33.2	13.8	45.4	119.8	81.0	53.2	60.2	15.4	6.2	5.5	
9	0.7	13.8	24.0	12.2	43.4	100.0	71.2	52.5	56.3	15.0	6.2	5.5	
10	0.7	11.8	19.9	10.7	44.1	85.0	62.5	48.0	53.2	14.2	6.0	5.5	
11	5.5	10.7	16.6	10.1	45.4	73.8	55.5	46.1	51.8	13.4	5.7	5.5	
12	0.7	9.8	15.0	11.4	45.4	111.0	51.0	45.4	48.0	13.4	5.5	5.5	
13	0.6	11.0	13.8	11.4	51.8	440.6	47.4	49.5	46.1	13.0	5.5	5.5	
14	0.5	15.0	13.4	20.8	54.7	691.4	44.7	97.0	44.1	12.6	5.5	5.5	
15	0.4	12.2	18.6	63.3	65.7	547.0	44.1	207.0	42.1	12.2	5.5	5.5	
16	0.4	9.2	14.6	99.0	67.2	438.0	59.4	301.4	41.5	12.2	5.5	2.0	
17	0.9	7.8	12.2	124.4	65.7	591.6	92.0	249.2	38.2	11.0	5.5	1.9	
18	1.0	6.5	15.4	137.6	72.9	438.0	260.4	195.8	35.6	10.7	5.5	1.9	
19	1.0	5.7	31.4	109.9	112.1	344.6	431.4	208.4	34.4	10.7	5.5	1.8	
20	1.9	5.5	19.5	103.3	247.6	276.4	389.6	402.8	30.8	10.4	5.5	1.7	
21	2.0	5.5	15.8	86.0	193.0	195.8	440.6	391.8	27.4	9.8	5.5	1.7	
22	1.9	5.5	18.2	72.9	200.0	148.4	505.0	330.2	27.4	9.8	5.5	1.7	
23	5.5	5.5	19.0	64.1	262.0	118.7	372.0	294.2	27.9	8.9	5.5	1.7	
24	5.5	5.5	23.0	66.5	344.6	109.9	323.0	236.4	26.8	8.3	5.5	1.7	
25	5.5	22.1	19.5	66.5	262.0	111.0	260.4	187.4	24.6	8.3	5.5	1.6	
26	5.5	58.6	21.7	51.0	198.6	176.2	190.2	154.4	22.1	8.3	5.5	1.6	
27	5.5	50.3	22.6	44.7	179.0	268.4	148.4	132.8	21.3	8.0	5.5	1.5	
28	5.5	57.8	21.3	50.3	167.8	207.0	125.6	117.6	20.8	8.0	1.9	1.5	
29	5.5	64.1	19.0	60.2	150.8	167.8	109.9	106.6	19.5	7.8		1.4	
30	5.5	117.6	19.0	54.7	137.6	134.0	97.0	97.0	19.5	7.8		1.4	
31		118.7		53.2	122.0		103.3		19.0	7.5		1.3	
TOTAL	69.0	725.7	981.4	1547.2	3554.3	7057.5	5277.7	4500.0	1358.7	374.1	162.7	108.9	25717.2 CMSDAY
MEAN	2.3	23.4	32.7	49.9	114.7	235.3	170.2	150.0	43.8	12.1	5.8	3.5	70.5 CMS
MAX	5.5	118.7	100.0	137.6	344.6	691.4	505.0	402.8	90.0	17.8	7.3	5.5	691.4 CMS
MIN	0.4	5.5	12.2	10.1	43.4	73.8	44.1	45.4	19.0	7.5	1.9	1.3	0.4 CMS
RUNOFF	5.96	62.70	84.79	133.68	307.09	609.77	455.99	388.80	117.39	32.32	14.06	9.41	2221.97 MCM

MOMENTARY PEAK 717.20 CMS, AT 64.13 M (MSL), AT 15.00 HOURS, ON SEP 14, 1985
RUNOFF YIELD 5.57 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 56.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

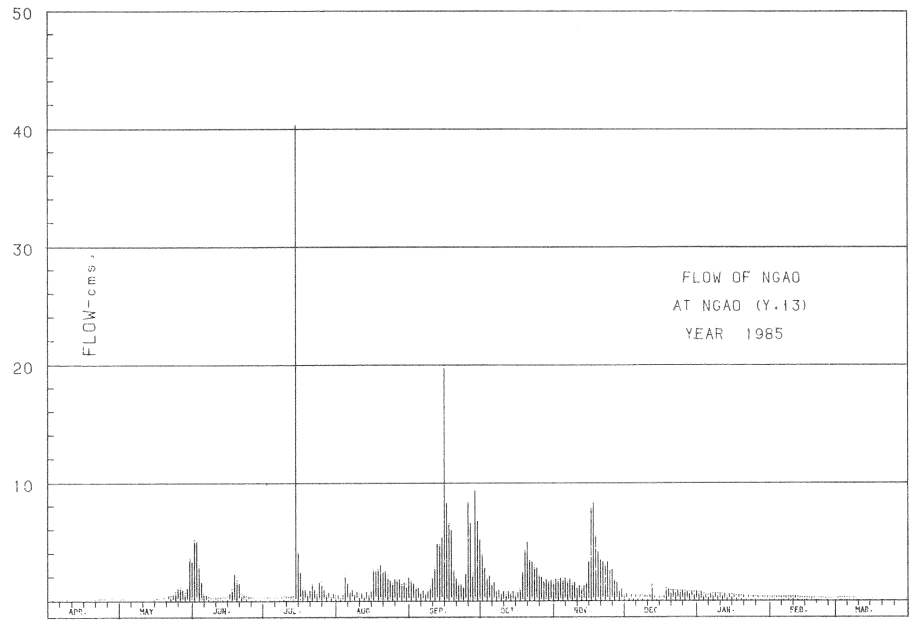
NGAO RIVER AT NGAO, LAMPANG (Y.13)

LOCATION	LAT. 18-45-06 N., LONG. 99-58-53 E., ON LEFT BANK DOWNSTREAM AT THE BRIDGE ON HIGHWAY, AMPHOE NGAO, LAMPANG.
DRAINAGE AREA	382 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+266.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 5.00 METERS UPSTREAM FROM THE GAGE SITE.
ELEVATION	+273.180 M. (M.S.L.)
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	1957 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1957-1958, 1969, 1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1957-1958, 1969, 1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	266.35	266.44	267.01	266.49	266.58	266.79	266.95	266.78	266.61	266.64	266.52	266.47	
2	266.35	266.43	267.00	266.51	266.57	266.74	266.86	266.78	266.60	266.64	266.52	266.48	
3	266.35	266.38	266.88	266.50	266.59	266.73	266.81	266.79	266.59	266.62	266.52	266.50	
4	266.35	266.36	266.75	266.48	266.82	266.70	266.81	266.79	266.59	266.60	266.52	266.48	
5	266.35	266.36	266.65	266.49	266.74	266.68	266.76	266.79	266.58	266.61	266.52	266.48	
6	266.35	266.35	266.58	266.49	266.68	266.66	266.75	266.78	266.58	266.61	266.52	266.48	
7	266.36	266.36	266.53	266.49	266.67	266.64	266.69	266.78	266.58	266.62	266.52	266.47	
8	266.37	266.36	266.49	266.51	266.64	266.65	266.67	266.76	266.57	266.62	266.53	266.46	
9	266.36	266.36	266.48	266.55	266.64	266.72	266.66	266.75	266.56	266.62	266.53	266.46	
10	266.35	266.37	266.50	266.54	266.62	266.79	266.65	266.73	266.54	266.62	266.53	266.46	
11	266.35	266.38	266.50	266.54	266.62	266.87	266.64	266.72	266.58	266.62	266.54	266.45	
12	266.35	266.38	266.50	266.55	266.62	266.99	266.65	266.71	266.73	266.61	266.52	266.45	
13	266.35	266.38	266.52	266.55	266.64	267.00	266.65	266.72	266.52	266.60	266.50	266.45	
14	266.34	266.37	266.51	267.82	266.64	267.02	266.65	266.77	266.52	266.61	266.50	266.45	
15	266.34	266.40	266.55	266.96	266.65	267.48	266.63	266.90	266.51	266.61	266.50	266.45	
16	266.35	266.44	266.62	266.83	266.86	267.15	266.63	267.14	266.50	266.59	266.49	266.44	
17	266.38	266.46	266.69	266.71	266.84	267.09	266.70	267.15	266.55	266.59	266.48	266.44	
18	266.36	266.48	266.82	266.67	266.87	267.05	266.83	267.04	266.70	266.58	266.48	266.44	
19	266.37	266.50	266.77	266.65	266.88	266.86	266.97	266.95	266.68	266.57	266.48	266.44	
20	266.39	266.53	266.74	266.66	266.86	266.79	267.00	266.93	266.67	266.56	266.47	266.44	
21	266.40	266.56	266.61	266.76	266.84	266.76	266.92	266.90	266.67	266.55	266.47	266.43	
22	266.43	266.58	266.58	266.67	266.82	266.73	266.90	266.90	266.66	266.55	266.47	266.44	
23	266.45	266.60	266.55	266.65	266.77	266.74	266.88	266.90	266.66	266.55	266.47	266.43	
24	266.43	266.65	266.53	266.75	266.77	266.82	266.86	266.87	266.66	266.55	266.45	266.43	
25	266.41	266.69	266.52	266.76	266.78	267.16	266.83	266.85	266.66	266.54	266.45	266.43	
26	266.43	266.71	266.49	266.67	266.80	267.08	266.80	266.80	266.66	266.54	266.44	266.43	
27	266.47	266.67	266.49	266.64	266.78	266.83	266.79	266.75	266.64	266.53	266.45	266.43	
28	266.45	266.64	266.48	266.63	266.76	267.19	266.78	266.70	266.65	266.53	266.45	266.43	
29	266.43	266.69	266.48	266.61	266.75	267.10	266.78	266.68	266.65	266.52		266.43	
30	266.44	266.92	266.49	266.61	266.74	267.01	266.77	266.64	266.65	266.52		266.43	
31		266.90		266.60	266.80		266.77		266.65	266.52		266.43	
MEAN	266.38	266.51	266.61	266.66	266.73	266.89	266.78	266.83	266.61	266.58	266.49	266.45	
MAX	266.47	266.92	267.01	267.82	266.88	267.48	267.00	267.15	266.73	266.64	266.54	266.50	267.82
MIN	266.34	266.35	266.48	266.48	266.57	266.64	266.63	266.64	266.50	266.52	266.44	266.43	266.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 267.90 M (MSL), AT 12.00 HOURS, ON JUL 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 266.30 M (MSL), RIVER BED 265.75 M (MSL)
LEFT BANK ELEVATION 275.23 M (MSL)
RIGHT BANK ELEVATION 275.24 M (MSL), DRAINAGE AREA 382 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.21	5.20	0.28	0.46	1.91	4.15	1.82	0.56	0.74	0.34	0.26	
2	0.07	0.19	5.00	0.32	0.44	1.46	2.78	1.82	0.50	0.74	0.34	0.27	
3	0.07	0.12	3.04	0.30	0.48	1.37	2.13	1.91	0.48	0.62	0.34	0.30	
4	0.07	0.09	1.55	0.27	2.26	1.10	2.13	1.91	0.48	0.50	0.34	0.27	
5	0.07	0.09	0.80	0.28	1.46	0.98	1.64	1.91	0.46	0.56	0.34	0.27	
6	0.07	0.07	0.46	0.28	0.98	0.86	1.55	1.82	0.46	0.56	0.34	0.27	
7	0.09	0.09	0.36	0.28	0.92	0.74	1.04	1.82	0.46	0.62	0.34	0.26	
8	0.11	0.09	0.28	0.32	0.74	0.80	0.92	1.64	0.44	0.62	0.36	0.24	
9	0.09	0.09	0.27	0.40	0.74	1.28	0.86	1.55	0.42	0.62	0.36	0.24	
10	0.07	0.11	0.30	0.38	0.62	1.91	0.80	1.37	0.38	0.62	0.36	0.24	
11	0.07	0.12	0.30	0.38	0.62	2.91	0.74	1.28	0.46	0.62	0.38	0.22	
12	0.07	0.12	0.30	0.40	0.62	4.83	0.80	1.19	1.37	0.56	0.34	0.22	
13	0.07	0.12	0.34	0.40	0.74	5.00	0.80	1.28	0.34	0.50	0.30	0.22	
14	0.06	0.11	0.32	40.32	0.74	5.40	0.80	1.73	0.34	0.56	0.30	0.22	
15	0.06	0.15	0.40	4.32	0.80	19.94	0.68	3.30	0.32	0.56	0.30	0.22	
16	0.07	0.21	0.62	2.39	2.78	8.30	0.68	8.04	0.30	0.48	0.28	0.21	
17	0.12	0.24	1.04	1.19	2.52	6.80	1.10	8.30	0.40	0.48	0.27	0.21	
18	0.09	0.27	2.26	0.92	2.91	6.00	2.39	5.80	1.10	0.46	0.27	0.21	
19	0.11	0.30	1.73	0.80	3.04	2.78	4.49	4.15	0.98	0.44	0.27	0.21	
20	0.13	0.36	1.46	0.86	2.78	1.91	5.00	3.81	0.92	0.42	0.26	0.21	
21	0.15	0.42	0.56	1.64	2.52	1.64	3.64	3.30	0.92	0.40	0.26	0.19	
22	0.19	0.46	0.46	0.92	2.26	1.37	3.30	3.30	0.86	0.40	0.26	0.21	
23	0.22	0.50	0.40	0.80	1.73	1.46	3.04	3.30	0.86	0.40	0.26	0.19	
24	0.19	0.80	0.36	1.55	1.73	2.26	2.78	2.91	0.86	0.40	0.22	0.19	
25	0.16	1.04	0.34	1.64	1.82	8.56	2.39	2.65	0.86	0.38	0.22	0.19	
26	0.19	1.19	0.28	0.92	2.00	6.60	2.00	2.00	0.86	0.38	0.21	0.19	
27	0.26	0.92	0.28	0.74	1.82	2.39	1.91	1.55	0.74	0.36	0.22	0.19	
28	0.22	0.74	0.27	0.68	1.64	9.34	1.82	1.10	0.80	0.36	0.22	0.19	
29	0.19	1.04	0.27	0.56	1.55	7.00	1.82	0.98	0.80	0.34		0.19	
30	0.21	3.64	0.28	0.56	1.46	5.20	1.73	0.74	0.80	0.34		0.19	
31		3.30		0.50	2.00		1.73		0.80	0.34		0.19	
TOTAL	3.61	17.20	29.53	65.60	47.18	122.10	61.64	78.28	20.33	15.38	8.30	6.88	476.03 CMSDAY
MEAN	0.12	0.55	0.98	2.12	1.52	4.07	1.99	2.61	0.66	0.50	0.30	0.22	1.30 CMS
MAX	0.26	3.64	5.20	40.32	3.04	19.94	5.00	8.30	1.37	0.74	0.38	0.30	40.32 CMS
MIN	0.06	0.07	0.27	0.27	0.44	0.74	0.68	0.74	0.30	0.34	0.21	0.19	0,06 CMS
RUNOFF	0.312	1.486	2.551	5.668	4.076	10.549	5.326	6.763	1.757	1.329	0.717	0.594	41.129 MCM

MOMENTARY PEAK 46.00 CMS, AT 267.90 M (MSL), AT 12.00 HOURS, ON JUL 14, 1985

RUNOFF YIELD 3.41 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 120.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

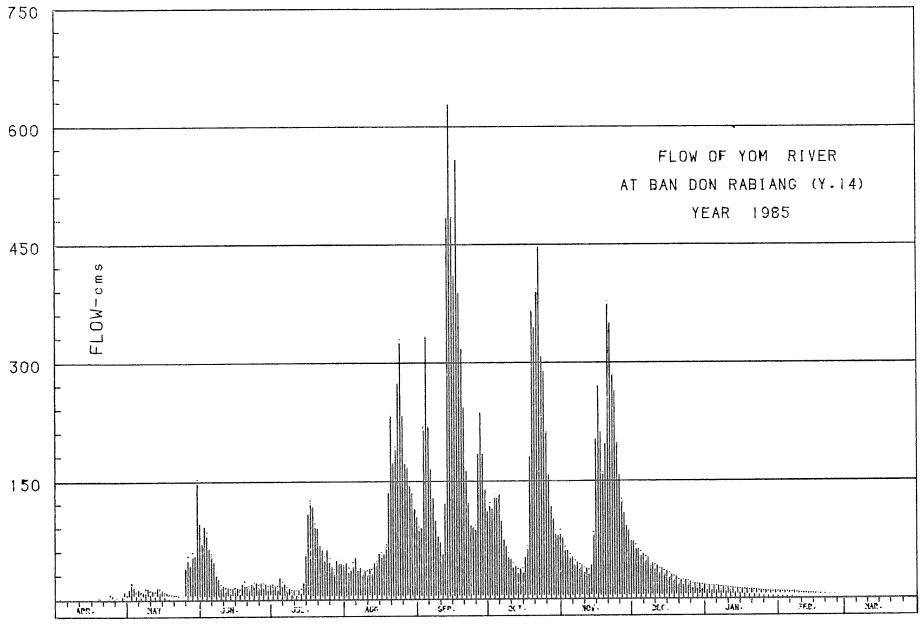
YOM RIVER AT BAN DON RABIANG, SUKHOTHAI (Y.14)

LOCATION	LAT. 17-35-42 N., LONG. 99-43-08 E., ON LEFT BANK ABOUT 50 METERS FROM SI SATCHANALAI-DEN CHAI HIGHWAY NO. 101 AT GUIDEPOST 44 TH., AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,131 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+65.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+78.363 M. (M.S.L.)
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	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1964 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	65.60	66.05	67.04	66.22	66.66	67.24	67.58	67.05	67.00	66.16	65.95	65.79	
2	65.60	66.26	67.24	66.17	66.58	67.21	67.49	66.92	66.95	66.15	65.95	65.78	
3	65.59	66.12	67.16	66.19	66.52	68.43	67.68	66.85	66.88	66.15	65.95	65.78	
4	65.59	66.00	66.89	66.37	66.68	69.23	67.63	66.80	66.84	66.15	65.95	65.78	
5	65.59	66.05	66.82	66.29	66.74	68.46	67.72	66.75	66.80	66.14	65.94	65.78	
6	65.59	65.98	66.68	66.22	66.61	67.98	67.32	66.70	66.76	66.13	65.94	65.78	
7	65.58	65.95	66.51	66.14	66.57	67.68	67.09	66.66	66.74	66.12	65.95	65.78	
8	65.58	66.09	66.34	66.09	66.53	67.33	66.92	66.63	66.68	66.11	65.92	65.77	
9	65.58	66.08	66.22	66.05	66.52	67.15	66.82	66.61	66.64	66.11	65.91	65.77	
10	65.58	66.04	66.17	66.04	66.52	66.99	66.72	66.57	66.62	66.10	65.90	65.76	
11	65.57	66.01	66.13	66.03	66.55	66.87	66.65	66.55	66.60	66.09	65.90	65.76	
12	65.57	66.00	66.11	66.04	66.55	67.56	66.59	66.53	66.55	66.08	65.89	65.75	
13	65.56	66.11	66.09	66.09	66.65	70.12	66.55	66.61	66.55	66.07	65.89	65.75	
14	65.55	66.09	66.09	66.24	66.70	70.84	66.54	67.15	66.51	66.06	65.88	65.74	
15	65.56	66.02	66.13	66.86	66.81	70.12	66.56	68.30	66.49	66.05	65.88	65.74	
16	65.56	65.97	66.10	67.43	66.83	69.69	66.74	68.85	66.46	66.04	65.87	65.73	
17	65.62	65.94	66.07	67.61	66.80	70.51	66.94	68.37	66.42	66.04	65.86	65.72	
18	65.77	65.90	66.22	67.52	66.96	69.57	68.12	67.99	66.40	66.03	65.85	65.71	
19	65.75	65.88	66.30	67.30	67.70	69.16	69.46	68.25	66.38	66.02	65.84	65.69	
20	65.73	65.86	66.16	67.21	68.56	68.62	69.30	69.51	66.32	66.02	65.84	65.69	
21	65.72	65.86	66.19	67.01	68.05	68.00	69.60	69.34	66.29	66.02	65.83	65.68	
22	65.79	65.83	66.21	66.87	68.23	67.57	69.89	68.94	66.31	66.01	65.82	65.68	
23	65.88	65.81	66.27	66.77	68.84	67.32	69.10	68.77	66.30	66.00	65.81	65.68	
24	65.81	65.81	66.25	66.87	69.21	67.22	68.95	68.30	66.28	65.99	65.81	65.68	
25	65.75	66.56	66.22	66.75	68.54	67.26	68.40	67.91	66.25	65.98	65.80	65.68	
26	65.74	66.78	66.25	66.59	68.09	68.15	67.91	67.62	66.22	65.98	65.79	65.67	
27	65.74	66.61	66.25	66.55	68.00	68.61	67.57	67.44	66.21	65.97	65.79	65.67	
28	65.93	66.84	66.23	66.70	67.84	68.15	67.35	67.31	66.20	65.97	65.79	65.66	
29	65.96	66.78	66.19	66.72	67.70	67.78	67.18	67.17	66.20	65.96		65.66	
30	65.86	67.87	66.20	66.64	67.55	67.46	67.09	67.08	66.19	65.96		65.66	
31		67.29		66.67	67.39		67.19		66.17	65.96		65.65	
MEAN	65.68	66.21	66.36	66.59	67.27	68.28	67.63	67.52	66.49	66.05	65.88	65.72	
MAX	65.96	67.87	67.24	67.61	69.21	70.84	69.89	69.51	67.00	66.16	65.95	65.79	70.84
MIN	65.55	65.81	66.07	66.03	66.52	66.87	66.54	66.53	66.17	65.96	65.79	65.65	65.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 70.87 M (MSL), AT 12.00 HOURS, ON SEP 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 65.10 M (MSL), RIVER BED 63.40 M (MSL)
LEFT BANK ELEVATION 78.17 M (MSL)
RIGHT BANK ELEVATION 76.89 M (MSL), DRAINAGE AREA 12131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.00	12.50	76.20	19.50	46.20	92.20	123.00	77.00	73.00	16.90	8.75	4.30	
2	1.00	21.50	92.20	17.30	40.70	89.80	114.00	66.60	69.00	16.50	8.75	4.10	
3	0.90	15.30	85.80	18.10	36.80	218.92	133.00	61.00	63.40	16.50	8.75	4.10	
4	0.90	10.50	64.20	27.35	47.60	332.80	128.00	57.00	60.20	16.50	8.75	4.10	
5	0.90	12.50	58.60	23.00	52.20	222.64	137.00	53.00	57.00	16.10	8.40	4.10	
6	0.90	9.80	47.60	19.50	42.70	164.80	98.60	49.00	53.80	15.70	8.40	4.10	
7	0.80	8.75	36.15	16.10	40.05	133.00	80.20	46.20	52.20	15.30	8.75	4.10	
8	0.80	14.10	25.70	14.10	37.45	99.40	66.60	44.10	47.60	14.90	7.70	3.90	
9	0.80	13.70	19.50	12.50	36.80	85.00	58.60	42.70	44.80	14.90	7.35	3.90	
10	0.80	12.10	17.30	12.10	36.80	72.20	50.60	40.05	43.40	14.50	7.00	3.70	
11	0.70	10.90	15.70	11.70	38.75	62.60	45.50	38.75	42.00	14.10	7.00	3.70	
12	0.70	10.50	14.90	12.10	38.75	121.00	41.35	37.45	38.75	13.70	6.75	3.50	
13	0.60	14.90	14.10	14.10	45.50	487.60	38.75	42.70	38.75	13.30	6.75	3.50	
14	0.50	14.10	14.10	20.50	49.00	628.00	38.10	85.00	36.15	12.90	6.50	3.30	
15	0.60	11.30	15.70	61.80	57.80	487.60	39.40	202.80	34.85	12.50	6.50	3.30	
16	0.60	9.45	14.50	108.00	59.40	410.20	52.20	275.00	32.90	12.10	6.25	3.10	
17	1.30	8.40	13.30	126.00	57.00	562.00	68.20	211.48	30.30	12.10	6.00	2.90	
18	3.90	7.00	19.50	117.00	69.80	388.60	180.48	165.90	29.00	11.70	5.75	2.70	
19	3.50	6.50	23.50	97.00	135.00	321.60	369.60	196.60	27.90	11.30	5.50	2.35	
20	3.10	6.00	16.90	89.80	235.04	242.80	344.00	377.80	24.60	11.30	5.50	2.35	
21	2.90	6.00	18.10	73.80	172.50	167.00	394.00	350.40	23.00	11.30	5.25	2.20	
22	4.30	5.25	19.00	62.60	194.12	122.00	446.20	287.60	24.05	10.90	5.00	2.20	
23	6.50	4.75	22.00	54.60	273.60	98.60	312.00	263.80	23.50	10.50	4.75	2.20	
24	4.75	4.75	21.00	62.60	329.60	90.60	289.00	202.80	22.50	10.15	4.75	2.20	
25	3.50	39.40	19.50	53.00	232.56	93.80	215.20	157.10	21.00	9.80	4.50	2.20	
26	3.30	55.40	21.00	41.35	176.90	184.20	157.10	127.00	19.50	9.80	4.30	2.05	
27	3.30	42.70	21.00	38.75	167.00	241.40	122.00	109.00	19.00	9.45	4.30	2.05	
28	8.05	60.20	20.00	49.00	149.40	184.20	101.00	97.80	18.50	9.45	4.30	1.90	
29	9.10	55.40	18.10	50.60	135.00	143.00	87.40	86.60	18.50	9.10		1.90	
30	6.00	152.70	18.50	44.80	120.00	111.00	80.20	79.40	18.10	9.10		1.90	
31		96.20		46.90	104.20		88.20		17.30	9.10		1.75	
TOTAL	76.00	752.55	883.65	1415.55	3258.22	6658.56	4499.48	3931.63	1124.55	391.45	182.25	93.65	23267.54 CMSDAY
MEAN	2.53	24.28	29.45	45.66	105.10	221.95	145.14	131.05	36.28	12.63	6.51	3.02	63.75 CMS
MAX	9.10	152.70	92.20	126.00	329.60	628.00	446.20	377.80	73.00	16.90	8.75	4.30	628.00 CMS
MIN	0.50	4.75	13.30	11.70	36.80	62.60	38.10	37.45	17.30	9.10	4.30	1.75	0.50 CMS
RUNOFF	6.566	65.020	76.347	122.304	281.510	575.300	388.755	339.693	97.161	33.821	15.746	8.091	2010.316 MCM

MOMENTARY PEAK 634.00 CMS, AT 70.87 M (MSL), AT 12.00 HOURS, ON SEP 14, 1985

RUNOFF YIELD 5.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 52.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

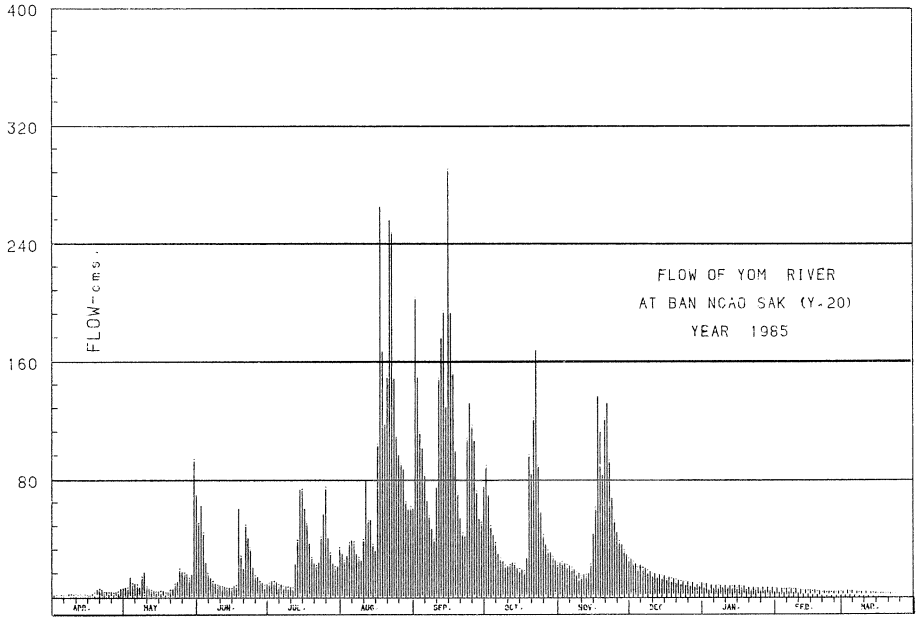
YOM RIVER AT BAN NGAO SAK, PHRAE (Y.20)

LOCATION	LAT. 18-35-03 N., LONG. 100-09-17 E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM SOP NGAO, TAMBON TAO POON, AMPHOE SONG, PHRAE.
DRAINAGE AREA	5,410 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+180.976 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+193.552 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 151 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	181.35	181.59	182.53	181.70	182.15	184.60	183.14	182.03	182.08	181.67	181.57	181.47	
2	181.35	181.60	182.71	181.73	182.07	183.99	182.82	182.05	182.05	181.68	181.56	181.49	
3	181.35	181.81	182.42	181.74	182.12	183.49	182.50	182.02	182.02	181.63	181.56	181.50	
4	181.35	181.69	182.03	181.71	182.30	183.31	182.39	182.01	181.97	181.65	181.56	181.49	
5	181.35	181.68	181.88	181.67	182.32	183.05	182.30	181.99	182.00	181.65	181.56	181.49	
6	181.34	181.67	181.79	181.66	182.31	182.76	182.15	181.97	181.97	181.65	181.57	181.48	
7	181.40	181.59	181.74	181.63	182.15	182.61	182.10	181.93	181.95	181.65	181.56	181.47	
8	181.39	181.82	181.68	181.62	182.11	182.46	182.05	181.90	181.93	181.64	181.56	181.46	
9	181.38	181.89	181.66	181.62	182.06	182.34	182.00	181.88	181.90	181.65	181.55	181.46	
10	181.38	181.63	181.64	181.60	182.34	182.90	181.98	181.84	181.88	181.64	181.54	181.46	
11	181.37	181.56	181.62	181.60	182.97	183.99	182.01	181.85	181.87	181.64	181.53	181.47	
12	181.37	181.54	181.61	182.01	182.56	184.31	182.03	181.86	181.86	181.63	181.52	181.46	
13	181.36	181.50	181.59	182.33	182.56	184.51	182.03	181.87	181.85	181.63	181.52	181.44	
14	181.36	181.49	181.58	182.88	182.28	183.73	181.95	182.02	181.84	181.64	181.52	181.44	
15	181.35	181.48	181.58	182.89	182.19	185.32	181.95	182.40	181.83	181.64	181.52	181.43	
16	181.34	181.51	181.63	182.68	183.36	184.49	181.93	182.70	181.82	181.64	181.51	181.43	
17	181.40	181.50	181.65	182.55	185.14	184.04	181.92	183.83	181.81	181.62	181.52	181.43	
18	181.45	181.46	182.68	182.28	184.23	183.28	182.09	183.51	181.79	181.62	181.50	181.42	
19	181.53	181.45	182.13	182.11	183.56	182.85	183.25	183.03	181.78	181.60	181.49	181.42	
20	181.56	181.54	181.94	182.02	184.01	182.58	183.04	183.63	181.77	181.59	181.48	181.42	
21	181.53	181.54	182.51	182.00	185.07	182.42	183.63	183.77	181.75	181.59	181.48	181.42	
22	181.47	181.69	182.35	182.03	185.02	182.37	184.22	183.19	181.74	181.59	181.47	181.41	
23	181.47	181.72	182.24	182.37	183.98	183.42	183.14	182.79	181.73	181.58	181.47	181.40	
24	181.47	181.95	181.96	182.62	183.46	183.77	182.64	182.56	181.73	181.58	181.47	181.40	
25	181.47	181.89	181.84	182.91	183.24	183.56	182.40	182.42	181.73	181.58	181.47	181.39	
26	181.44	181.89	181.81	182.35	183.16	183.39	182.27	182.32	181.71	181.59	181.47	181.39	
27	181.46	181.86	181.74	182.17	183.09	182.87	182.21	182.27	181.71	181.60	181.47	181.39	
28	181.50	181.80	181.70	182.02	182.76	182.57	182.17	182.21	181.69	181 59	181.48	181.39	
29	181.55	181.85	181.66	181.98	182.67	182.54	182.12	182.14	181.66	181.58		181.39	
30	181.57	183.20	181.67	181.98	182.71	182.91	182.06	182.10	181.70	181.59		181.39	
31		182.82		182.24	182.68		182.03		181.70	181.58		181.39	
MEAN	181.42	181.75	181.92	182.09	182.99	183.35	182.40	182.40	181.83	181.62	181.52	181.44	
MAX	181.57	183.20	182.71	182.91	185.14	185.32	184.22	183.83	182.08	181.68	181.57	181.50	185.32
MIN	181.34	181.45	181.58	181.60	182.06	182.34	181.92	181.84	181.66	181.58	181.47	181.39	181.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 185.68 M (MSL), AT 1.00 HOURS, ON AUG 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 180.98 M (MSL), RIVER BED 179.55 M (MSL)
LEFT BANK ELEVATION 193.50 M (MSL)
RIGHT BANK ELEVATION 193.44 M (MSL), DRAINAGE AREA 5410 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.75	6.75	50.80	10.00	29.50	204.00	90.10	23.50	26.00	9.10	6.25	3.90	
2	1.75	7.00	62.15	11.05	25.50	149.20	69.30	24.50	24.50	9.40	6.00	4.30	
3	1.75	13.90	44.20	11.40	28.00	112.85	49.00	23.00	23.00	7.90	6.00	4.50	
4	1.75	9.70	23.50	10.35	37.50	101.15	42.45	22.50	20.65	8.50	6.00	4.30	
5	1.75	9.40	16.70	9.10	38.60	84.25	37.50	21.55	22.00	8.50	6.00	4.30	
6	1.60	9.10	13.15	8.80	38.05	65.40	29.50	20.65	20.65	8.50	6.25	4.10	
7	2.50	6.75	11.40	7.90	29.50	55.65	27.00	18.85	19.75	8.50	6.00	3.90	
8	2.35	14.30	9.40	7.60	27.50	46.60	24.50	17.50	18.85	8.20	6.00	3.70	
9	2.20	17.10	8.80	7.60	25.00	39.70	22.00	16.70	17.50	8.50	5.75	3.70	
10	2.20	7.90	8.20	7.00	39.70	74.50	21.10	15.10	16.70	8.20	5.50	3.70	
11	2.05	6.00	7.60	7.00	79.05	149.20	22.50	15.50	16.30	8.20	5.25	3.90	
12	2.05	5.50	7.30	22.50	52.60	175.90	23.50	15.90	15.90	7.90	5.00	3.70	
13	1.90	4.50	6.75	39.15	52.60	195.00	23.50	16.30	15.50	7.90	5.00	3.30	
14	1.90	4.30	6.50	73.20	36.40	129.10	19.75	23.00	15.10	8.20	5.00	3.30	
15	1.75	4.10	6.50	73.85	31.50	291.00	19.75	43.00	14.70	8.20	5.00	3.10	
16	1.60	4.75	7.90	60.20	104.40	193.00	18.85	61.50	14.30	8.20	4.75	3.10	
17	2.50	4.50	8.50	52.00	265.20	153.20	18.40	136.40	13.90	7.60	5.00	3.10	
18	3.50	3.70	60.20	36.40	168.70	99.20	26.50	114.15	13.15	7.60	4.50	2.90	
19	5.25	3.50	28.50	27.50	117.40	71.25	97.25	82.95	12.80	7.00	4.30	2.90	
20	6.00	5.50	19.30	23.00	150.80	53.80	83.60	122.10	12.45	6.75	4.10	2.90	
21	5.25	5.50	49.60	22.00	256.10	44.20	122.10	131.90	11.75	6.75	4.10	2.90	
22	3.90	9.70	40.25	23.50	249.60	41.35	167.80	93.35	11.40	6.75	3.90	2.70	
23	3.90	10.70	34.20	41.35	148.40	108.30	90.10	67.35	11.05	6.50	3.90	2.50	
24	3.90	19.75	20.20	56.30	110.90	131.90	57.60	52.60	11.05	6.50	3.90	2.50	
25	3.90	17.10	15.10	75.15	96.60	117.40	43.00	44.20	11.05	6.50	3.90	2.35	
26	3.30	17.10	13.90	40.25	91.40	106.35	35.85	38.60	10.35	6.75	3.90	2.35	
27	3.70	15.90	11.40	30.50	86.85	72.55	32.55	35.85	10.35	7.00	3.90	2.35	
28	4.50	13.50	10.00	23.00	65.40	53.20	30.50	32.55	9.70	6.75	4.10	2.35	
29	5.75	15.50	8.80	21.10	59.55	51.40	28.00	29.00	8.80	6.50		2.35	
30	6.25	94.00	9.10	21.10	62.15	75.15	25.00	27.00	10.00	6.75		2.35	
31		69.30		34.20	60.20		23.50		10.00	6.50		2.35	
TOTAL	92.45	436.30	619.90	894.05	2664.65	3245.75	1422.05	1387.05	469.20	236.10	139.35	99.65	11706.40 CMSDAY
MEAN	3.08	14.07	20.66	28.84	85.96	108.19	45.87	46.23	15.14	7.62	4.97	3.21	32.07 CMS
MAX	6.25	94.00	62.15	75.15	265.20	291.00	167.80	136.40	26.00	9.40	6.25	4.50	291.00 CMS
MIN	1.60	3.50	6.50	7.00	25.00	39.70	18.40	15.10	8.80	6.50	3.90	2.35	1.60 CMS
RUNOFF	7.988	37.696	53.559	77.246	230.226	280.433	122.865	119.841	40.539	20.399	12.031	8.610	1011.433 MCM

MOMENTARY PEAK 345.00 CMS, AT 185.68 M (MSL), AT 1.00 HOURS, ON AUG 22, 1985

RUNOFF YIELD 5.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 63.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

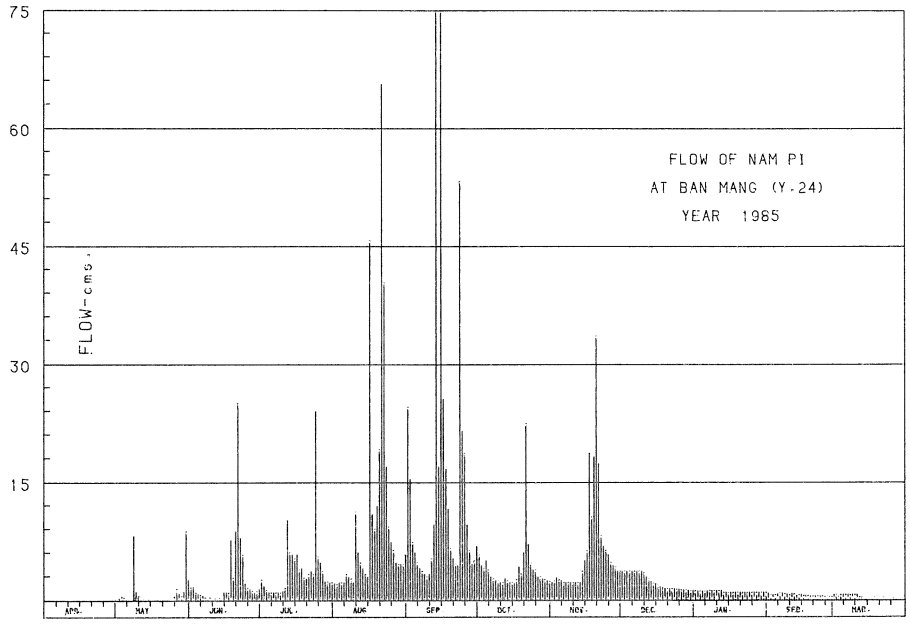
NAM PI AT BAN MANG, PHAYAO (Y.24)

LOCATION	LAT. 18-53-04 N., LONG. 100-17-24 E., ON RIGHT BANK UPSTREAM OF THE BRIDGE OF PONG SANUK-CHIANG MUAN ROAD, BAN MANG, AMPHOE CHIANG MUAN, PHAYAO.
DRAINAGE AREA	597 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.035 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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 31 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.32	1.40	1.68	1.77	1.73	2.44	1.94	1.74	1.84	1.63	1.58	1.55	
2	1.32	1.53	1.69	1.70	1.72	2.24	1.88	1.76	1.84	1.62	1.55	1.55	
3	1.32	1.52	1.60	1.65	1.74	2.00	1.86	1.79	1.84	1.62	1.55	1.55	
4	1.32	1.49	1.57	1.60	1.74	1.95	1.91	1.77	1.84	1.62	1.55	1.55	
5	1.31	1.45	1.55	1.60	1.74	1.90	1.85	1.76	1.84	1.62	1.56	1.55	
6	1.30	1.46	1.53	1.60	1.82	1.86	1.80	1.74	1.84	1.62	1.59	1.55	
7	1.30	1.42	1.50	1.60	1.80	1.84	1.78	1.74	1.84	1.63	1.58	1.55	
8	1.29	2.04	1.50	1.60	1.78	1.82	1.76	1.74	1.84	1.63	1.57	1.55	
9	1.28	1.61	1.49	1.60	1.74	1.80	1.76	1.74	1.84	1.63	1.56	1.55	
10	1.27	1.53	1.47	1.62	2.13	1.82	1.74	1.74	1.83	1.63	1.55	1.55	
11	1.27	1.44	1.47	1.67	1.95	1.92	1.74	1.74	1.80	1.63	1.57	1.55	
12	1.26	1.44	1.47	2.10	1.90	2.08	1.78	1.74	1.78	1.63	1.57	1.50	
13	1.25	1.43	1.47	1.95	1.86	3.24	1.76	1.74	1.75	1.60	1.53	1.50	
14	1.25	1.40	1.47	1.94	1.82	2.28	1.74	1.84	1.73	1.60	1.55	1.50	
15	1.25	1.40	1.65	1.92	1.80	3.23	1.74	1.91	1.73	1.60	1.55	1.50	
16	1.25	1.38	1.60	1.94	2.77	2.46	1.73	1.96	1.71	1.60	1.53	1.50	
17	1.35	1.37	1.60	1.85	2.12	2.28	1.77	2.32	1.69	1.60	1.53	1.50	
18	1.30	1.45	2.01	1.86	2.06	2.14	1.87	2.11	1.67	1.60	1.53	1.50	
19	1.30	1.40	1.79	1.79	2.15	1.97	1.82	2.31	1.66	1.60	1.52	1.50	
20	1.30	1.40	2.05	1.78	2.33	1.92	1.95	2.60	1.66	1.60	1.52	1.50	
21	1.30	1.42	2.45	1.82	2.99	1.89	2.40	2.29	1.66	1.60	1.52	1.48	
22	1.30	1.42	2.02	1.84	2.70	1.88	1.99	2.03	1.66	1.60	1.52	1.48	
23	1.31	1.42	1.94	1.82	2.28	2.86	1.90	1.98	1.66	1.60	1.52	1.48	
24	1.32	1.46	1.73	2.43	2.07	2.38	1.85	1.96	1.65	1.60	1.52	1.48	
25	1.33	1.52	1.67	1.93	2.00	2.32	1.85	1.94	1.65	1.60	1.51	1.46	
26	1.33	1.66	1.65	1.90	1.96	2.08	1.80	1.90	1.64	1.60	1.51	1.44	
27	1.34	1.57	1.63	1.84	1.90	1.96	1.80	1.88	1.64	1.60	1.51	1.44	
28	1.34	1.53	1.59	1.75	1.89	1.89	1.78	1.87	1.64	1.60	1.51	1.44	
29	1.42	1.61	1.62	1.75	1.89	1.91	1.77	1.84	1.63	1.60		1.45	
30	1.41	2.05	1.65	1.74	1.89	1.98	1.76	1.84	1.63	1.60		1.43	
31		1.77		1.74	1.94		1.75		1.63	1.60		1.42	
MEAN	1.31	1.52	1.67	1.80	2.01	2.14	1.83	1.91	1.73	1.61	1.54	1.50	
MAX	1.42	2.05	2.45	2.43	2.99	3.24	2.40	2.60	1.84	1.63	1.59	1.55	3.24
MIN	1.25	1.37	1.47	1.60	1.72	1.80	1.73	1.74	1.63	1.60	1.51	1.42	1.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.52 M (A.D), AT 15.00 HOURS, ON SEP 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.51 M (A.D)
LEFT BANK ELEVATION 6.68 M (A.D)
RIGHT BANK ELEVATION 7.36 M (A.D), DRAINAGE AREA 597 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.12	1.64	2.64	2.16	24.58	5.84	2.28	3.72	1.24	0.88	0.70	
2	0.04	0.58	1.72	1.80	2.04	15.40	4.44	2.52	3.72	1.16	0.70	0.70	
3	0.04	0.52	1.00	1.40	2.28	7.40	4.08	2.88	3.72	1.16	0.70	0.70	
4	0.04	0.37	0.82	1.00	2.28	6.10	5.06	2.64	3.72	1.16	0.70	0.70	
5	0.03	0.26	0.70	1.00	2.28	4.80	3.90	2.52	3.72	1.16	0.76	0.70	
6	0.02	0.29	0.58	1.00	3.36	4.08	3.00	2.28	3.72	1.16	0.94	0.70	
7	0.02	0.18	0.40	1.00	3.00	3.72	2.76	2.28	3.72	1.24	0.88	0.70	
8	0.02	8.52	0.40	1.00	2.76	3.36	2.52	2.28	3.72	1.24	0.82	0.70	
9	0.02	1.08	0.37	1.00	2.28	3.00	2.52	2.28	3.72	1.24	0.76	0.70	
10	0.01	0.58	0.32	1.16	11.28	3.36	2.28	2.28	3.54	1.24	0.70	0.70	
11	0.01	0.23	0.32	1.56	6.10	5.32	2.28	2.28	3.00	1.24	0.82	0.70	
12	0.01	0.23	0.32	10.20	4.80	9.64	2.76	2.28	2.76	1.24	0.82	0.40	
13	0.01	0.20	0.32	6.10	4.08	92.48	2.52	2.28	2.40	1.00	0.58	0.40	
14	0.01	0.12	0.32	5.84	3.36	17.00	2.28	3.72	2.16	1.00	0.70	0.40	
15	0.01	0.12	1.40	5.32	3.00	91.06	2.28	5.06	2.16	1.00	0.70	0.40	
16	0.01	0.10	1.00	5.84	45.72	25.62	2.16	6.36	1.92	1.00	0.58	0.40	
17	0.07	0.09	1.00	3.90	10.92	17.00	2.64	18.74	1.72	1.00	0.58	0.40	
18	0.02	0.26	7.68	4.08	9.08	11.64	4.26	10.56	1.56	1.00	0.58	0.40	
19	0.02	0.12	2.88	2.88	12.00	6.62	3.36	18.27	1.48	1.00	0.52	0.40	
20	0.02	0.12	8.80	2.76	19.21	5.32	6.10	33.60	1.48	1.00	0.52	0.40	
21	0.02	0.18	25.10	3.36	65.62	4.62	22.50	17.40	1.48	1.00	0.52	0.34	
22	0.02	0.18	7.96	3.72	40.40	4.44	7.14	8.24	1.48	1.00	0.52	0.34	
23	0.03	0.18	5.84	3.36	17.00	53.28	4.80	6.88	1.48	1.00	0.52	0.34	
24	0.04	0.29	2.16	24.06	9.36	21.56	3.90	6.36	1.40	1.00	0.52	0.34	
25	0.05	0.52	1.56	5.58	7.40	18.74	3.90	5.84	1.40	1.00	0.46	0.29	
26	0.05	1.48	1.40	4.80	6.36	9.64	3.00	4.80	1.32	1.00	0.46	0.23	
27	0.06	0.82	1.24	3.72	4.80	6.36	3.00	4.44	1.32	1.00	0.46	0.23	
28	0.06	0.58	0.94	2.40	4.62	4.62	2.76	4.26	1.32	1.00	0.46	0.23	
29	0.18	1.08	1.16	2.40	4.62	5.06	2.64	3.72	1.24	1.00		0.26	
30	0.15	8.80	1.40	2.28	4.62	6.88	2.52	3.72	1.24	1.00		0.20	
31		2.64		2.28	5.84		2.40		1.24	1.00		0.18	
TOTAL	1.13	30.84	80.75	119.44	322.63	492.70	125.60	193.05	72.58	33.48	18.16	14.28	1504.64 CMSDAY
MEAN	0.04	0.99	2.69	3.85	10.41	16.42	4.05	6.44	2.34	1.08	0.65	0.46	4.12 CMS
MAX	0.18	8.80	25.10	24.06	65.62	92.48	22.50	33.60	3.72	1.24	0.94	0.70	92.48 CMS
MIN	0.01	0.09	0.32	1.00	2.04	3.00	2.16	2.28	1.24	1.00	0.46	0.18	0.01 CMS
RUNOFF	0.098	2.665	6.977	10.320	27.875	42.569	10.852	16.680	6.271	2.893	1.569	1.234	130.001 MCM

MOMENTARY PEAK 130.60 CMS, AT 3.52 M (A.D), AT 15.00 HOURS, ON SEP 23, 1985

RUNOFF YIELD 6.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 218.76 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

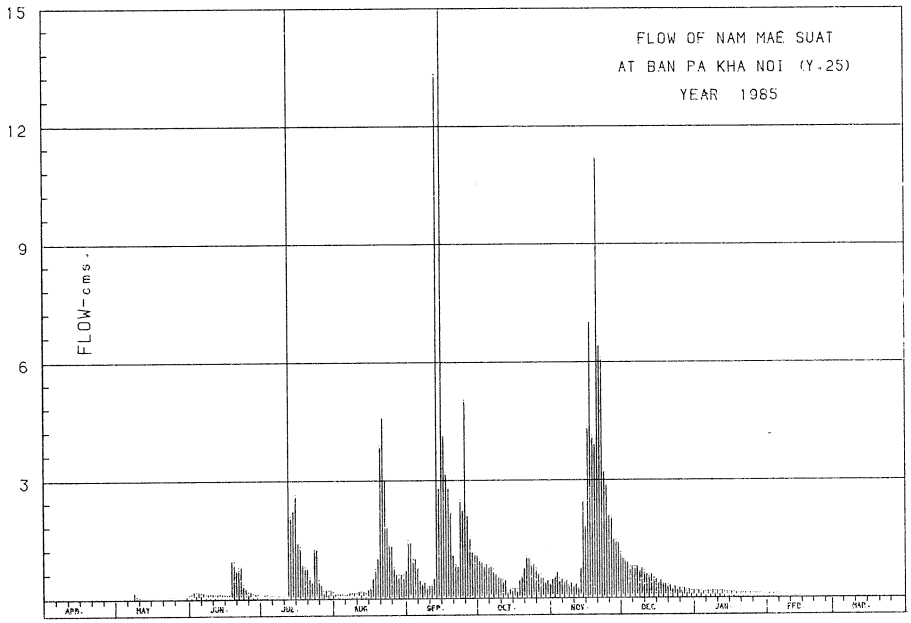
NAM MAE SUAT AT BAN PA KHA NOI, NAN (Y.25)

LOCATION	LAT. 18-50-28 N., LONG. 100-25-55 E., ON LEFT BANK AT THE BRIDGE OF PHAYAO-NAN HIGHWAY AND ABOUT 1.5 KILOMETERS FROM KING AMPHOE BAN LUANG, TAMBON PA KHA LUANG, KING AMPHOE BAN LUANG, NAN.
DRAINAGE AREA	203 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 6 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+4.637 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	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.15	0.26	0.23	0.25	0.56	0.50	0.39	0.50	0.30	0.24	0.17	
2	0.16	0.15	0.29	0.24	0.25	0.55	0.48	0.42	0.50	0.30	0.24	0.17	
3	0.16	0.14	0.29	0.24	0.25	0.50	0.47	0.43	0.48	0.30	0.24	0.17	
4	0.14	0.14	0.29	0.23	0.25	0.50	0.47	0.40	0.46	0.28	0.24	0.17	
5	0.14	0.14	0.28	0.23	0.24	0.46	0.47	0.39	0.46	0.28	0.24	0.17	
6	0.14	0.14	0.28	0.23	0.24	0.38	0.46	0.39	0.46	0.29	0.23	0.17	
7	0.14	0.14	0.26	0.23	0.27	0.38	0.45	0.38	0.46	0.29	0.23	0.16	
8	0.14	0.31	0.26	0.23	0.27	0.37	0.42	0.36	0.45	0.30	0.23	0.16	
9	0.14	0.23	0.26	0.23	0.27	0.34	0.42	0.36	0.45	0.29	0.23	0.16	
10	0.14	0.19	0.26	0.23	0.27	0.34	0.40	0.35	0.44	0.29	0.23	0.16	
11	0.14	0.18	0.26	0.23	0.29	0.36	0.39	0.35	0.42	0.29	0.23	0.16	
12	0.14	0.18	0.26	1.09	0.30	0.40	0.38	0.34	0.42	0.29	0.20	0.16	
13	0.14	0.18	0.26	0.62	0.29	1.02	0.31	0.45	0.42	0.28	0.20	0.16	
14	0.14	0.18	0.25	0.63	0.27	0.67	0.31	0.65	0.40	0.28	0.19	0.16	
15	0.13	0.18	0.24	0.66	0.31	1.06	0.32	0.60	0.39	0.27	0.19	0.16	
16	0.13	0.17	0.24	0.55	0.34	0.74	0.32	0.75	0.39	0.27	0.19	0.16	
17	0.13	0.17	0.24	0.54	0.40	0.70	0.32	0.85	0.38	0.27	0.19	0.16	
18	0.13	0.17	0.49	0.47	0.45	0.67	0.38	0.74	0.38	0.26	0.18	0.16	
19	0.13	0.17	0.49	0.46	0.50	0.63	0.42	0.73	0.35	0.26	0.18	0.16	
20	0.13	0.17	0.44	0.45	0.73	0.51	0.45	0.97	0.35	0.26	0.17	0.16	
21	0.13	0.17	0.46	0.41	0.76	0.47	0.51	0.83	0.34	0.26	0.17	0.16	
22	0.14	0.17	0.46	0.37	0.69	0.46	0.50	0.82	0.34	0.26	0.17	0.16	
23	0.15	0.21	0.36	0.53	0.60	0.65	0.48	0.70	0.33	0.26	0.17	0.16	
24	0.15	0.23	0.32	0.53	0.55	0.63	0.47	0.68	0.33	0.26	0.17	0.16	
25	0.15	0.22	0.30	0.39	0.54	0.78	0.45	0.62	0.32	0.26	0.17	0.15	
26	0.15	0.21	0.29	0.35	0.46	0.62	0.42	0.62	0.32	0.26	0.17	0.15	
27	0.15	0.21	0.27	0.31	0.42	0.57	0.42	0.56	0.32	0.25	0.17	0.15	
28	0.15	0.21	0.26	0.31	0.42	0.52	0.40	0.56	0.31	0.25	0.17	0.15	
29	0.15	0.21	0.26	0.31	0.42	0.52	0.39	0.55	0.31	0.25		0.15	
30	0.15	0.26	0.23	0.31	0.42	0.51	0.38	0.52	0.30	0.24		0.15	
31		0.25		0.30	0.44		0.38		0.30	0.24		0.15	
MEAN	0.14	0.19	0.30	0.39	0.39	0.56	0.42	0.56	0.39	0.27	0.20	0.16	
MAX	0.16	0.31	0.49	1.09	0.76	1.06	0.51	0.97	0.50	0.30	0.24	0.17	1.09
MIN	0.13	0.14	0.23	0.23	0.24	0.34	0.31	0.34	0.30	0.24	0.17	0.15	0.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.46 M (A.D), AT 3.00 HOURS, ON SEP 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.15 M (A.D)
LEFT BANK ELEVATION 4.38 M (A.D)
RIGHT BANK ELEVATION 3.34 M (A.D), DRAINAGE AREA 203 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.02	0.12	0.08	0.11	1.48	1.00	0.47	1.00	0.18	0.10	0.03	
2	0.02	0.02	0.17	0.10	0.11	1.40	0.90	0.60	1.00	0.18	0.10	0.03	
3	0.02	0.02	0.17	0.10	0.11	1.00	0.85	0.65	0.90	0.18	0.10	0.03	
4	0.02	0.02	0.17	0.08	0.11	1.00	0.85	0.50	0.80	0.15	0.10	0.03	
5	0.02	0.02	0.15	0.08	0.10	0.80	0.85	0.47	0.80	0.15	0.10	0.03	
6	0.02	0.02	0.15	0.08	0.10	0.44	0.80	0.47	0.80	0.17	0.08	0.03	
7	0.02	0.02	0.12	0.08	0.14	0.44	0.75	0.44	0.80	0.17	0.08	0.02	
8	0.02	0.21	0.12	0.08	0.14	0.40	0.60	0.37	0.75	0.18	0.08	0.02	
9	0.02	0.08	0.12	0.08	0.14	0.31	0.60	0.37	0.75	0.17	0.08	0.02	
10	0.02	0.04	0.12	0.08	0.14	0.31	0.50	0.34	0.70	0.17	0.08	0.02	
11	0.02	0.03	0.12	0.08	0.17	0.37	0.47	0.34	0.60	0.17	0.08	0.02	
12	0.02	0.03	0.12	16.54	0.18	0.50	0.44	0.31	0.60	0.17	0.04	0.02	
13	0.02	0.03	0.12	2.08	0.17	13.32	0.21	0.75	0.60	0.15	0.04	0.02	
14	0.02	0.03	0.11	2.22	0.14	2.78	0.21	2.50	0.50	0.15	0.04	0.02	
15	0.01	0.03	0.10	2.64	0.21	15.16	0.24	1.80	0.47	0.14	0.04	0.02	
16	0.01	0.03	0.10	1.40	0.31	4.12	0.24	4.35	0.47	0.14	0.04	0.02	
17	0.01	0.03	0.10	1.32	0.50	3.20	0.24	7.00	0.44	0.14	0.04	0.02	
18	0.01	0.03	0.95	0.85	0.75	2.78	0.44	4.12	0.44	0.12	0.03	0.02	
19	0.01	0.03	0.95	0.80	1.00	2.22	0.60	3.89	0.34	0.12	0.03	0.02	
20	0.01	0.03	0.70	0.75	3.89	1.08	0.75	11.23	0.34	0.12	0.03	0.02	
21	0.01	0.03	0.80	0.55	4.58	0.85	1.08	6.40	0.31	0.12	0.03	0.02	
22	0.02	0.03	0.80	0.40	3.06	0.80	1.00	6.10	0.31	0.12	0.03	0.02	
23	0.02	0.05	0.37	1.24	1.80	2.50	0.90	3.20	0.28	0.12	0.03	0.02	
24	0.02	0.08	0.24	1.24	1.40	2.22	0.85	2.92	0.28	0.12	0.03	0.02	
25	0.02	0.07	0.18	0.47	1.32	5.04	0.75	2.08	0.24	0.12	0.03	0.02	
26	0.02	0.05	0.17	0.34	0.80	2.08	0.60	2.08	0.24	0.12	0.03	0.02	
27	0.02	0.05	0.14	0.21	0.60	1.56	0.60	1.48	0.24	0.11	0.03	0.02	
28	0.02	0.05	0.12	0.21	0.60	1.16	0.50	1.48	0.21	0.11	0.03	0.02	
29	0.02	0.05	0.12	0.21	0.60	1.16	0.47	1.40	0.21	0.11		0.02	
30	0.02	0.12	0.08	0.21	0.60	1.08	0.44	1.16	0.18	0.10		0.02	
31		0.11		0.18	0.70		0.44		0.18	0.10		0.02	
TOTAL	0.53	1.46	7.80	34.78	24.58	71.56	19.17	69.27	15.78	4.37	1.55	0.68	251.53 CMSDAY
MEAN	0.02	0.05	0.26	1.12	0.79	2.39	0.62	2.31	0.51	0.14	0.06	0.02	0.69 CMS
MAX	0.02	0.21	0.95	16.54	4.58	15.16	1.08	11.23	1.00	0.18	0.10	0.03	16.54 CMS
MIN	0.01	0.02	0.08	0.08	0.10	0.31	0.21	0.31	0.18	0.10	0.03	0.02	0.01 CMS
RUNOFF	0.046	0.126	0.674	3.005	2.124	6.183	1.656	5.985	1.363	0.378	0.134	0.059	21.732 MCM

MOMENTARY PEAK 46.72 CMS, AT 1.46 M (A.D), AT 3.00 HOURS, ON SEP 15, 1985
RUNOFF YIELD 3.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 230.15 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

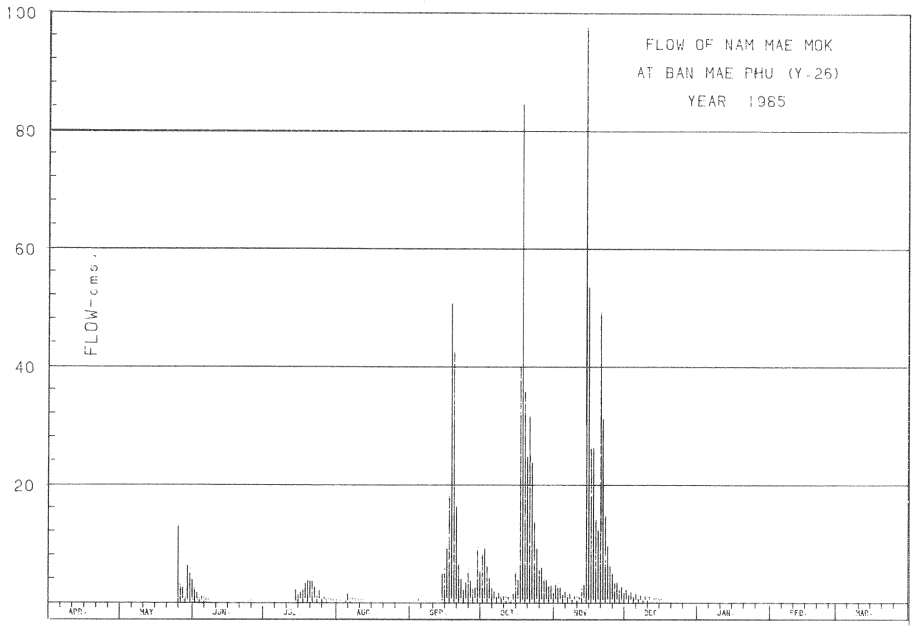
NAM MAE MOK AT BAN MAE PHU, LAMPANG (Y.26)

LOCATION	LAT. 17-19-45 N., LONG. 99-27-42 E., ON LEFT BANK DOWNSTREAM FROM BAN MAE PHU, TAMBON WIANG MOK, AMPHOE THOEN, LAMPANG.
DRAINAGE AREA	785 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+8.00 M. (A.D.)
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 FLOAT	-
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 85 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.56	0.50	1.17	0.87	0.92	0.86	1.51	1.18	1.11	0.87	0.83	0.75	
2	0.55	0.50	1.06	0.87	0.92	0.89	1.53	1.20	1.09	0.87	0.83	0.74	
3	0.54	0.50	1.02	0.86	0.91	0.89	1.42	1.14	1.07	0.86	0.82	0.74	
4	0.53	0.49	1.00	0.86	0.91	0.94	1.26	1.10	1.05	0.86	0.84	0.74	
5	0.52	0.49	0.98	0.84	1.04	0.93	1.19	1.08	1.04	0.86	0.83	0.73	
6	0.52	0.48	0.95	0.84	0.98	0.89	1.08	1.06	1.02	0.86	0.83	0.73	
7	0.51	0.47	0.93	0.84	0.96	0.89	1.06	1.04	1.01	0.86	0.80	0.73	
8	0.50	0.46	0.92	0.83	0.94	0.89	1.06	1.01	1.00	0.86	0.80	0.73	
9	0.49	0.46	0.91	0.83	0.92	0.88	1.04	1.00	1.00	0.86	0.80	0.73	
10	0.48	0.56	0.90	0.83	0.92	0.88	1.00	1.00	1.00	0.86	0.81	0.73	
11	0.47	0.84	0.88	0.82	0.93	0.88	0.99	0.98	0.99	0.87	0.81	0.73	
12	0.46	0.80	0.88	0.84	0.92	0.90	0.98	1.13	0.96	0.86	0.80	0.73	
13	0.45	0.79	0.87	0.87	0.91	0.90	0.98	1.18	0.96	0.85	0.80	0.73	
14	0.44	0.77	0.87	1.11	0.90	1.31	1.04	4.05	0.96	0.85	0.81	0.72	
15	0.43	0.75	0.87	1.10	0.90	1.36	1.35	3.07	0.95	0.85	0.80	0.72	
16	0.43	0.74	0.86	1.07	0.89	1.53	1.24	2.27	0.94	0.85	0.77	0.71	
17	0.42	0.73	0.86	1.17	0.89	1.94	2.70	2.25	0.93	0.85	0.77	0.70	
18	0.43	0.74	0.86	1.20	0.89	2.99	3.79	1.77	0.93	0.85	0.77	0.69	
19	0.44	0.83	0.86	1.29	0.89	2.77	2.58	1.67	0.92	0.84	0.79	0.67	
20	0.45	0.78	0.85	1.23	0.88	1.85	2.19	2.95	0.92	0.84	0.78	0.65	
21	0.47	0.76	0.85	1.28	0.88	1.42	2.45	2.42	0.92	0.84	0.75	0.64	
22	0.46	0.78	0.87	1.15	0.88	1.25	2.15	1.80	0.92	0.83	0.75	0.63	
23	0.46	0.76	0.87	1.08	0.87	1.17	1.76	1.55	0.90	0.83	0.75	0.62	
24	0.45	0.80	0.90	1.10	0.87	1.21	1.53	1.42	0.90	0.83	0.76	0.61	
25	0.44	1.70	0.90	1.03	0.88	1.36	1.38	1.31	0.89	0.83	0.75	0.60	
26	0.44	1.18	0.90	0.98	0.88	1.23	1.37	1.25	0.88	0.83	0.75	0.59	
27	0.43	1.14	0.89	0.97	0.86	1.18	1.28	1.21	0.90	0.83	0.75	0.58	
28	0.50	1.03	0.89	0.95	0.86	1.14	1.24	1.17	0.90	0.83	0.75	0.57	
29	0.49	1.39	0.88	0.93	0.87	1.54	1.22	1.15	0.88	0.84		0.56	
30	0.48	1.36	0.88	0.92	0.86	1.33	1.17	1.13	0.88	0.85		0.56	
31		1.24		0.92	0.86		1.13		0.87	0.83		0.55	
MEAN	0.47	0.80	0.91	0.98	0.90	1.27	1.51	1.55	0.96	0.85	0.79	0.67	
MAX	0.56	1.70	1.17	1.29	1.04	2.99	3.79	4.05	1.11	0.87	0.84	0.75	4.05
MIN	0.42	0.46	0.85	0.82	0.86	0.86	0.98	0.98	0.87	0.83	0.75	0.55	0.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.59 M (A.D), AT 17.00 HOURS, ON NOV 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 785 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	2.89	0.25	0.49	0.21	8.72	3.01	2.17	0.25	0.10	0.00	
2	0.00	0.00	1.65	0.25	0.49	0.32	9.16	3.25	1.95	0.25	0.10	0.00	
3	0.00	0.00	1.25	0.21	0.42	0.32	6.86	2.53	1.75	0.21	0.07	0.00	
4	0.00	0.00	1.05	0.21	0.42	0.63	4.15	2.05	1.55	0.21	0.14	0.00	
5	0.00	0.00	0.91	0.14	1.45	0.56	3.13	1.85	1.45	0.21	0.10	0.00	
6	0.00	0.00	0.70	0.14	0.91	0.32	1.85	1.65	1.25	0.21	0.10	0.00	
7	0.00	0.00	0.56	0.14	0.77	0.32	1.65	1.45	1.15	0.21	0.00	0.00	
8	0.00	0.00	0.49	0.10	0.63	0.32	1.65	1.15	1.05	0.21	0.00	0.00	
9	0.00	0.00	0.42	0.10	0.49	0.28	1.45	1.05	1.05	0.21	0.00	0.00	
10	0.00	0.00	0.35	0.10	0.49	0.28	1.05	1.05	1.05	0.21	0.03	0.00	
11	0.00	0.14	0.28	0.07	0.56	0.28	0.98	0.91	0.98	0.25	0.03	0.00	
12	0.00	0.00	0.28	0.14	0.49	0.35	0.91	2.41	0.77	0.21	0.00	0.00	
13	0.00	0.00	0.25	0.25	0.42	0.35	0.91	3.01	0.77	0.18	0.00	0.00	
14	0.00	0.00	0.25	2.17	0.35	4.92	1.45	97.50	0.77	0.18	0.03	0.00	
15	0.00	0.00	0.25	2.05	0.35	5.77	5.60	53.45	0.70	0.18	0.00	0.00	
16	0.00	0.00	0.21	1.75	0.32	9.16	3.85	26.75	0.63	0.18	0.00	0.00	
17	0.00	0.00	0.21	2.89	0.32	18.50	40.50	26.25	0.56	0.18	0.00	0.00	
18	0.00	0.00	0.21	3.25	0.32	50.65	84.50	14.44	0.56	0.18	0.00	0.00	
19	0.00	0.10	0.21	4.60	0.32	42.95	36.30	12.24	0.49	0.14	0.00	0.00	
20	0.00	0.00	0.18	3.70	0.28	16.30	24.75	49.25	0.49	0.14	0.00	0.00	
21	0.00	0.00	0.18	4.45	0.28	6.86	32.00	31.10	0.49	0.14	0.00	0.00	
22	0.00	0.00	0.25	2.65	0.28	4.00	23.75	15.10	0.49	0.10	0.00	0.00	
23	0.00	0.00	0.25	1.85	0.25	2.89	14.22	9.60	0.35	0.10	0.00	0.00	
24	0.00	0.00	0.35	2.05	0.25	3.40	9.16	6.86	0.35	0.10	0.00	0.00	
25	0.00	12.90	0.35	1.35	0.28	5.77	6.11	4.92	0.32	0.10	0.00	0.00	
26	0.00	3.01	0.35	0.91	0.28	3.70	5.94	4.00	0.28	0.10	0.00	0.00	
27	0.00	2.53	0.32	0.84	0.21	3.01	4.45	3.40	0.35	0.10	0.00	0.00	
28	0.00	1.35	0.32	0.70	0.21	2.53	3.85	2.89	0.35	0.10	0.00	0.00	
29	0.00	6.28	0.28	0.56	0.25	9.38	3.55	2.65	0.28	0.14		0.00	
30	0.00	5.77	0.28	0.49	0.21	5.26	2.89	2.41	0.28	0.18		0.00	
31		3.85		0.49	0.21		2.41		0.25	0.10		0.00	
TOTAL	0.00	35.93	15.53	38.85	13.00	199.59	347.75	388.18	24.93	5.26	0.70	0.00	1069.72 CMSDAY
MEAN	0.00	1.16	0.52	1.25	0.42	6.65	11.22	12.94	0.80	0.17	0.03	0.00	2.93 CMS
MAX	0.00	12.90	2.89	4.60	1.45	50.65	84.50	97.50	2.17	0.25	0.14	0.00	97.50 CMS
MIN	0.00	0.00	0.18	0.07	0.21	0.21	0.91	0.91	0.25	0.10	0.00	0.00	0.00 CMS
RUNOFF	0.000	3.104	1.342	3.357	1.123	17.245	30.046	33.539	2.154	0.454	0.060	0.000	92.424 MCM

MOMENTARY PEAK 175.00 CMS, AT 5.59 M (A.D), AT 17.00 HOURS, ON NOV 14, 1985
RUNOFF YIELD 3.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 222.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

YOM RIVER BASIN

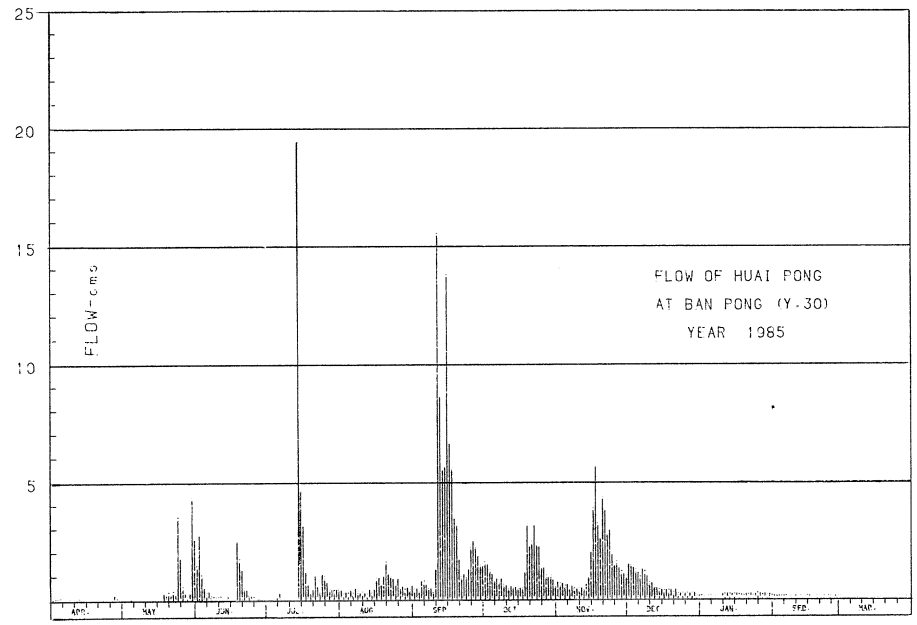
HUAI PONG AT BAN PONG, LAMPANG (Y.30)

LOCATION	LAT. 18-42-59 N., LONG. 99-57-40 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY, TAMBON MAE PONG, AMPHOE NGAO, LAMPANG.
DRAINAGE AREA	96 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 25 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+6.62 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 FLOAT	-
RATED BY CURRENT METER	1983 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	0.41	0.75	0.43	0.54	0.56	0.77	0.62	0.75	0.46	0.46	0.45	
2	0.41	0.40	0.91	0.43	0.52	0.56	0.75	0.61	0.76	0.45	0.45	0.45	
3	0.42	0.40	0.69	0.43	0.52	0.56	0.72	0.61	0.73	0.45	0.46	0.45	
4	0.43	0.46	0.57	0.43	0.52	0.63	0.69	0.59	0.72	0.46	0.45	0.45	
5	0.42	0.40	0.52	0.50	0.54	0.64	0.65	0.60	0.70	0.47	0.46	0.45	
6	0.41	0.40	0.53	0.51	0.52	0.60	0.65	0.58	0.67	0.45	0.46	0.45	
7	0.42	0.40	0.48	0.45	0.56	0.59	0.64	0.58	0.72	0.45	0.45	0.41	
8	0.41	0.41	0.47	0.43	0.54	0.56	0.65	0.57	0.71	0.45	0.46	0.41	
9	0.41	0.39	0.45	0.43	0.51	0.55	0.60	0.55	0.67	0.45	0.45	0.41	
10	0.42	0.38	0.46	0.43	0.53	0.72	0.59	0.56	0.62	0.49	0.45	0.42	
11	0.42	0.37	0.47	0.44	0.51	1.67	0.58	0.56	0.61	0.50	0.45	0.41	
12	0.42	0.39	0.43	0.45	0.51	1.35	0.58	0.57	0.59	0.50	0.45	0.42	
13	0.42	0.37	0.42	0.45	0.55	1.16	0.59	0.60	0.56	0.50	0.45	0.41	
14	0.42	0.37	0.46	1.82	0.53	1.16	0.57	0.68	0.55	0.49	0.45	0.42	
15	0.42	0.37	0.40	1.09	0.55	1.60	0.58	0.82	0.54	0.50	0.46	0.41	
16	0.43	0.40	0.39	0.95	0.66	1.23	0.56	1.02	0.54	0.50	0.45	0.41	
17	0.42	0.41	0.40	0.72	0.66	1.16	0.57	1.16	0.54	0.49	0.44	0.42	
18	0.41	0.54	0.88	0.60	0.63	0.98	0.70	0.96	0.54	0.48	0.45	0.42	
19	0.41	0.48	0.79	0.55	0.67	0.96	0.96	0.89	0.54	0.47	0.45	0.42	
20	0.41	0.53	0.72	0.55	0.77	0.78	0.85	1.06	0.52	0.49	0.45	0.41	
21	0.40	0.48	0.58	0.70	0.69	0.67	0.88	1.01	0.54	0.49	0.45	0.41	
22	0.40	0.54	0.55	0.58	0.70	0.69	0.95	0.92	0.51	0.50	0.45	0.42	
23	0.40	0.49	0.52	0.55	0.65	0.68	0.87	0.93	0.50	0.47	0.45	0.42	
24	0.40	0.99	0.47	0.69	0.63	0.72	0.85	0.82	0.51	0.49	0.45	0.42	
25	0.39	0.79	0.46	0.68	0.65	0.85	0.74	0.74	0.50	0.51	0.45	0.42	
26	0.39	0.59	0.45	0.62	0.58	0.88	0.73	0.77	0.51	0.50	0.44	0.42	
27	0.48	0.51	0.50	0.57	0.58	0.86	0.68	0.73	0.50	0.48	0.45	0.42	
28	0.43	0.48	0.44	0.55	0.56	0.80	0.66	0.71	0.51	0.50	0.45	0.42	
29	0.42	0.51	0.43	0.55	0.57	0.75	0.68	0.69	0.51	0.48		0.44	
30	0.42	1.06	0.43	0.55	0.56	0.74	0.64	0.68	0.46	0.49		0.43	
31		0.89		0.56	0.59		0.60		0.46	0.47		0.43	
MEAN	0.42	0.50	0.53	0.60	0.58	0.86	0.69	0.74	0.58	0.48	0.45	0.42	
MAX	0.48	1.06	0.91	1.82	0.77	1.67	0.96	1.16	0.76	0.51	0.46	0.45	1.82
MIN	0.39	0.37	0.39	0.43	0.51	0.55	0.56	0.55	0.46	0.45	0.44	0.41	0.37

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.15 M (A.D), AT 8.00 HOURS, ON JUL 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.05 M (A.D)
LEFT BANK ELEVATION 9.24 M (A.D)
RIGHT BANK ELEVATION 9.27 M (A.D), DRAINAGE AREA 96 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.07	1.50	0.11	0.41	0.49	1.64	0.75	1.50	0.17	0.17	0.15	
2	0.07	0.05	2.75	0.11	0.33	0.49	1.50	0.70	1.57	0.15	0.15	0.15	
3	0.09	0.05	1.10	0.11	0.33	0.49	1.29	0.70	1.36	0.15	0.17	0.15	
4	0.11	0.17	0.53	0.11	0.33	0.80	1.10	0.61	1.29	0.17	0.15	0.15	
5	0.09	0.05	0.33	0.25	0.41	0.85	0.90	0.65	1.15	0.19	0.17	0.15	
6	0.07	0.05	0.37	0.29	0.33	0.65	0.90	0.57	1.00	0.15	0.17	0.15	
7	0.09	0.05	0.21	0.15	0.49	0.61	0.85	0.57	1.29	0.15	0.15	0.07	
8	0.07	0.07	0.19	0.11	0.41	0.49	0.90	0.53	1.22	0.15	0.17	0.07	
9	0.07	0.04	0.15	0.11	0.29	0.45	0.65	0.45	1.00	0.15	0.15	0.07	
10	0.09	0.04	0.17	0.11	0.37	1.29	0.61	0.49	0.75	0.23	0.15	0.09	
11	0.09	0.04	0.19	0.13	0.29	15.55	0.57	0.49	0.70	0.25	0.15	0.07	
12	0.09	0.04	0.11	0.15	0.29	8.60	0.57	0.53	0.61	0.25	0.15	0.09	
13	0.09	0.04	0.09	0.15	0.45	5.63	0.61	0.65	0.49	0.25	0.15	0.07	
14	0.09	0.04	0.17	19.44	0.37	5.63	0.53	1.05	0.45	0.23	0.15	0.09	
15	0.09	0.04	0.05	4.73	0.45	13.80	0.57	2.01	0.41	0.25	0.17	0.07	
16	0.11	0.05	0.04	3.15	0.95	6.63	0.49	3.89	0.41	0.25	0.15	0.07	
17	0.09	0.07	0.05	1.29	0.95	5.63	0.53	5.63	0.41	0.23	0.13	0.09	
18	0.07	0.41	2.49	0.65	0.80	3.45	1.15	3.25	0.41	0.21	0.15	0.09	
19	0.07	0.21	1.78	0.45	1.00	3.25	3.25	2.57	0.41	0.19	0.15	0.09	
20	0.07	0.37	1.29	0.45	1.64	1.71	2.25	4.37	0.33	0.23	0.15	0.07	
21	0.05	0.21	0.57	1.15	1.10	1.00	2.49	3.77	0.41	0.23	0.15	0.07	
22	0.05	0.41	0.45	0.57	1.15	1.10	3.15	2.85	0.29	0.25	0.15	0.09	
23	0.05	0.23	0.33	0.45	0.90	1.05	2.41	2.95	0.25	0.19	0.15	0.09	
24	0.05	3.55	0.19	1.10	0.80	1.29	2.25	2.01	0.29	0.23	0.15	0.09	
25	0.04	1.78	0.17	1.05	0.90	2.25	1.43	1.43	0.25	0.29	0.15	0.09	
26	0.04	0.61	0.15	0.75	0.57	2.49	1.36	1.64	0.29	0.25	0.13	0.09	
27	0.21	0.29	0.25	0.53	0.57	2.33	1.05	1.36	0.25	0.21	0.15	0.09	
28	0.11	0.21	0.13	0.45	0.49	1.85	0.95	1.22	0.29	0.25	0.15	0.09	
29	0.09	0.29	0.11	0.45	0.53	1.50	1.05	1.10	0.29	0.21		0.13	
30	0.09	4.37	0.11	0.45	0.49	1.43	0.85	1.05	0.17	0.23		0.11	
31		2.57		0.49	0.61		0.65		0.17	0.19		0.11	
TOTAL	2.46	16.47	16.02	39.49	19.00	92.78	38.50	49.84	19.71	6.53	4.28	3.05	308.13 CMSDAY
MEAN	0.08	0.53	0.53	1.27	0.61	3.09	1.24	1.66	0.64	0.21	0.15	0.10	0.84 CMS
MAX	0.21	4.37	2.75	19.44	1.64	15.55	3.25	5.63	1.57	0.29	0.17	0.15	19.44 CMS
MIN	0.04	0.04	0.04	0.11	0.29	0.45	0.49	0.45	0.17	0.15	0.13	0.07	0.04 CMS
RUNOFF	0.213	1.423	1.384	3.412	1.642	8.016	3.326	4.306	1.703	0.564	0.370	0.264	26.622 MCM

MOMENTARY PEAK 29.00 CMS, AT 2.15 M (A.D), AT 8.00 HOURS, ON JUL 14, 1985
RUNOFF YIELD 8.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 302.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

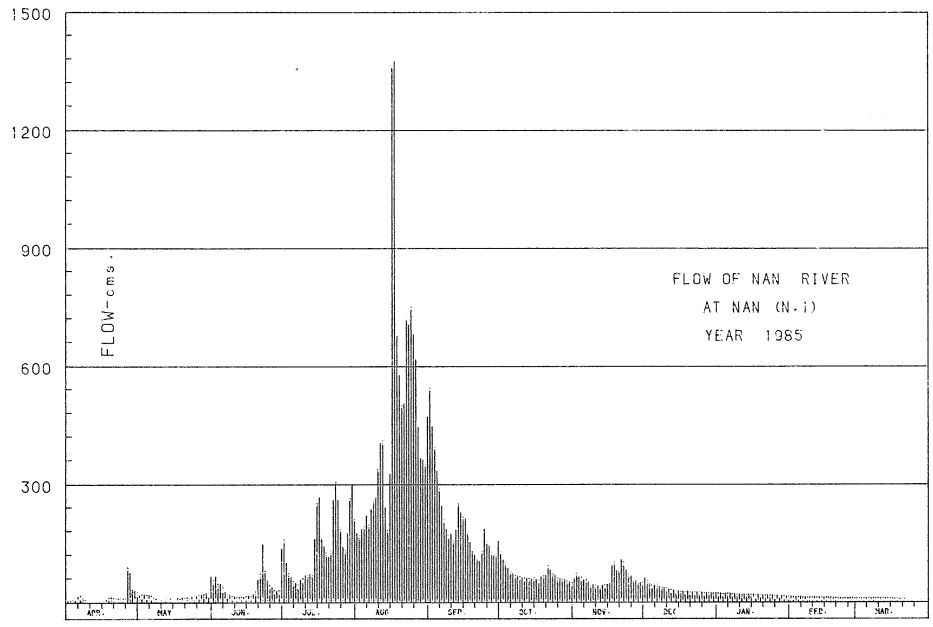
NAN RIVER AT NAN, NAN (N.1)

LOCATION	LAT. 18-46-23 N., LONG. 100-46-51 E., ON RIGHT BANK INFRONT OF FORESTRY OFFICE, AMPHOE MUANG, NAN.
DRAINAGE AREA	4,609 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+192.17 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON WEST SIDE OF AUTOMATIC GAGE BUILDING.
ELEVATION	+199.204 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1954-1956, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 101 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	192.70	192.94	193.37	194.14	194.24	196.02	193.92	193.40	193.42	193.02	192.89	192.81	
2	192.71	192.99	193.47	193.74	194.20	195.63	193.79	193.54	193.35	193.01	192.88	192.81	
3	192.73	192.98	193.28	193.54	194.31	195.40	193.75	193.45	193.27	193.01	192.87	192.80	
4	192.85	192.97	193.28	193.45	194.35	195.10	193.64	193.44	193.24	193.01	192.87	192.80	
5	192.89	192.96	193.18	193.34	194.53	194.87	193.57	193.37	193.23	193.01	192.87	192.81	
6	192.94	192.94	193.07	193.30	194.38	194.65	193.53	193.38	193.26	193.01	192.86	192.81	
7	192.81	192.84	193.00	193.26	194.61	194.47	193.49	193.32	193.20	193.00	192.86	192.81	
8	192.74	192.80	192.96	193.38	194.73	194.31	193.47	193.27	193.18	192.99	192.86	192.81	
9	192.72	192.77	192.93	193.42	194.76	194.20	193.46	193.25	193.17	192.97	192.86	192.81	
10	192.70	192.76	192.91	193.49	195.12	194.23	193.43	193.24	193.16	192.97	192.86	192.81	
11	192.69	192.75	192.89	193.51	195.45	194.11	193.42	193.22	193.13	192.97	192.86	192.81	
12	192.68	192.83	192.89	193.53	195.48	194.30	193.42	193.22	193.12	192.97	192.86	192.81	
13	192.67	192.82	192.89	193.55	194.63	194.68	193.41	193.24	193.10	192.97	192.86	192.81	
14	192.67	192.81	192.89	194.14	194.29	194.57	193.40	193.25	193.08	192.97	192.86	192.81	
15	192.68	192.80	192.92	194.69	195.06	194.51	193.43	193.26	193.08	192.97	192.85	192.80	
16	192.68	192.79	192.93	194.76	198.67	194.49	193.38	193.38	193.07	192.97	192.85	192.79	
17	192.75	192.84	192.93	194.20	198.70	194.26	193.38	193.69	193.07	192.96	192.85	192.78	
18	192.87	192.80	192.98	194.02	196.53	194.09	193.45	193.76	193.07	192.96	192.84	192.78	
19	192.87	192.85	193.08	193.91	196.15	193.97	193.48	193.59	193.07	192.96	192.83	192.77	
20	192.84	192.85	193.38	193.84	195.84	193.87	193.49	193.62	193.07	192.95	192.83	192.77	
21	192.82	192.86	193.53	193.95	195.86	193.83	193.69	193.79	193.05	192.95	192.82	192.76	
22	192.81	192.86	194.10	194.73	196.66	193.77	193.61	193.75	193.05	192.94	192.81	192.75	
23	192.81	192.89	193.59	194.96	196.60	193.94	193.52	193.60	193.05	192.94	192.81	192.75	
24	192.82	192.89	193.37	194.73	196.75	194.31	193.50	193.51	193.04	192.94	192.81	192.75	
25	192.83	192.91	193.24	194.31	196.52	194.10	193.42	193.47	193.04	192.93	192.81	192.74	
26	193.66	192.97	193.19	194.01	196.33	194.03	193.41	193.38	193.03	192.93	192.82	192.73	
27	193.55	192.97	193.12	193.95	195.62	193.92	193.39	193.35	193.03	192.92	192.82	192.73	
28	193.13	192.99	193.09	194.24	195.29	193.86	193.39	193.33	193.03	192.91	192.81	192.74	
29	193.10	193.02	193.12	194.75	195.24	193.89	193.35	193.30	193.02	192.91		192.73	
30	193.07	193.04	193.98	194.91	195.18	194.11	193.32	193.31	193.02	192.90		192.73	
31		193.47		194.48	195.73		193.30		193.02	192.90		192.73	
MEAN	192.86	192.90	193.19	194.01	195.54	194.38	193.49	193.42	193.12	192.96	192.85	192.78	
MAX	193.66	193.47	194.10	194.96	198.70	196.02	193.92	193.79	193.42	193.02	192.89	192.81	198.70
MIN	192.67	192.75	192.89	193.26	194.20	193.77	193.30	193.22	193.02	192.90	192.81	192.73	192.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 199.09 M (MSL), AT 24.00 HOURS, ON AUG 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 192.17 M (MSL), RIVER BED 190.80 M (MSL)
LEFT BANK ELEVATION 199.37 M (MSL)
RIGHT BANK ELEVATION 199.81 M (MSL), DRAINAGE AREA 4609 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.0	17.8	57.0	161.0	176.0	545.0	128.0	60.0	62.0	23.6	14.5	10.5	
2	5.5	21.3	67.0	101.0	170.0	447.5	108.5	74.8	55.0	22.8	14.0	10.5	
3	6.5	20.6	48.0	74.8	186.5	395.0	102.5	65.0	47.0	22.8	13.5	10.0	
4	12.5	19.9	48.0	65.0	192.5	335.0	87.2	64.0	44.0	22.8	13.5	10.0	
5	14.5	19.2	38.0	54.0	221.0	289.0	78.4	57.0	43.0	22.8	13.5	10.5	
6	17.8	17.8	27.6	50.0	197.0	245.0	73.6	58.0	46.0	22.8	13.0	10.5	
7	10.5	12.0	22.0	46.0	237.0	210.5	69.0	52.0	40.0	22.0	13.0	10.5	
8	7.0	10.0	19.2	58.0	261.0	186.5	67.0	47.0	38.0	21.3	13.0	10.5	
9	6.0	8.5	17.1	62.0	267.0	170.0	66.0	45.0	37.0	19.9	13.0	10.5	
10	5.0	8.0	15.7	69.0	339.0	174.5	63.0	44.0	36.0	19.9	13.0	10.5	
11	4.5	7.5	14.5	71.2	405.0	156.5	62.0	42.0	33.0	19.9	13.0	10.5	
12	4.0	11.5	14.5	73.6	411.0	185.0	62.0	42.0	32.0	19.9	13.0	10.5	
13	3.5	11.0	14.5	76.0	241.0	251.0	61.0	44.0	30.0	19.9	13.0	10.5	
14	3.5	10.5	14.5	161.0	183.5	229.0	60.0	45.0	28.4	19.9	13.0	10.5	
15	4.0	10.0	16.4	253.0	327.0	217.0	63.0	46.0	28.4	19.9	12.5	10.0	
16	4.0	9.5	17.1	267.0	1364.5	213.5	58.0	58.0	27.6	19.9	12.5	9.5	
17	7.5	12.0	17.1	170.0	1375.0	179.0	58.0	93.7	27.6	19.2	12.5	9.0	
18	13.5	10.0	20.6	143.0	684.0	153.5	65.0	104.0	27.6	19.2	12.0	9.0	
19	13.5	12.5	28.4	126.5	577.5	135.5	68.0	80.8	27.6	19.2	11.5	8.5	
20	12.0	12.5	58.0	116.0	500.0	120.5	69.0	84.6	27.6	18.5	11.5	8.5	
21	11.0	13.0	73.6	132.5	505.0	114.5	93.7	108.5	26.0	18.5	11.0	8.0	
22	10.5	13.0	55.0	261.0	723.0	105.5	83.3	102.5	26.0	17.8	10.5	7.5	
23	10.5	14.5	80.8	307.0	705.0	131.0	72.4	82.0	26.0	17.8	10.5	7.5	
24	11.0	14.5	57.0	261.0	750.0	186.5	70.0	71.2	25.2	17.8	10.5	7.5	
25	11.5	15.7	44.0	186.5	681.0	155.0	62.0	67.0	25.2	17.1	10.5	7.0	
26	89.8	19.9	39.0	141.5	624.0	144.5	61.0	58.0	24.4	17.1	11.0	6.5	
27	76.0	19.9	32.0	132.5	445.0	128.0	59.0	55.0	24.4	16.4	11.0	6.5	
28	33.0	21.3	29.2	176.0	373.0	119.0	59.0	53.0	24.4	15.7	10.5	7.0	
29	30.0	23.6	32.0	265.0	363.0	123.5	55.0	50.0	23.6	15.7		6.5	
30	27.6	25.2	137.0	297.0	351.0	156.5	52.0	51.0	23.6	15.0		6.5	
31		67.0		212.0	472.5		50.0		23.6	15.0		6.5	
TOTAL	471.2	509.7	1254.8	4570.1	14308.0	6202.5	2186.6	1905.1	1010.2	600.1	344.0	277.5	33639.8 CMSDAY
MEAN	15.7	16.4	41.8	147.4	461.5	206.8	70.5	63.5	32.6	19.4	12.3	9.0	92.2 CMS
MAX	89.8	67.0	155.0	307.0	1375.0	545.0	128.0	108.5	62.0	23.6	14.5	10.5	1375.0 CMS
MIN	3.5	7.5	14.5	46.0	170.0	105.5	50.0	42.0	23.6	15.0	10.5	6.5	3.5 CMS
RUNOFF	40.71	44.04	108.41	394.86	1236.21	535.90	188.92	164.60	87.28	51.85	29.72	23.98	2906.48 MCM

MOMENTARY PEAK 1511.50 CMS, AT 199.09 M (MSL), AT 24.00 HOURS, ON AUG 16, 1985
RUNOFF YIELD 20.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 327.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

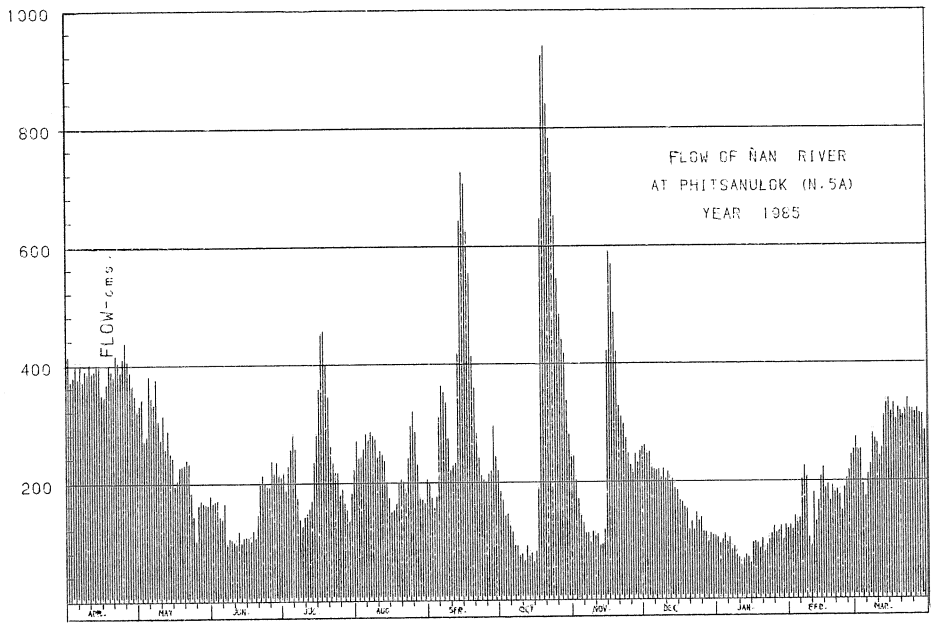
NAN RIVER AT PHITSANULOK, PHITSANULOK (N.5A)

LOCATION	LAT. 16-49-15 N., LONG. 100-15-49 E., ON LEFT BANK NEAR THE POST OFFICE AND ABOUT 1 KILOMETER UPSTREAM FROM GAGING STATION N.5, AMPHOE MUANG, PHITSANULOK.
DRAINAGE AREA	25,286 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+34.50 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+45.856 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971. STAGE-DISCHARGE RELATION DEFINED BY 58 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	38.59	37.97	36.60	37.08	37.49	36.92	36.78	37.26	37.41	35.93	36.08	37.51	
2	38.34	38.10	36.55	36.73	37.31	36.60	36.56	36.96	37.36	35.70	36.11	37.40	
3	38.34	37.49	36.64	37.19	37.26	36.51	36.36	36.57	37.32	35.89	36.26	37.34	
4	38.52	37.62	36.29	37.37	37.44	36.62	36.32	36.36	37.14	35.91	36.23	36.88	
5	38.32	38.35	36.32	37.63	37.59	37.86	36.18	36.15	37.05	35.83	36.22	36.59	
6	38.52	38.12	36.51	37.38	37.58	38.22	35.97	36.04	37.11	35.83	36.95	37.04	
7	38.28	37.98	35.80	36.67	37.62	38.21	35.79	35.94	37.05	35.66	37.09	37.12	
8	38.47	38.36	35.85	36.23	37.64	38.00	35.67	35.86	37.00	35.63	37.01	37.63	
9	38.38	37.77	35.93	36.21	37.51	37.58	35.56	35.97	37.06	35.53	35.82	37.49	
10	38.55	37.57	35.77	36.28	37.32	37.05	35.48	35.98	36.98	35.36	35.76	37.51	
11	38.39	37.84	35.83	36.43	37.35	37.19	35.43	35.92	37.01	35.29	36.66	37.24	
12	38.46	37.43	36.00	36.42	37.37	37.16	35.67	35.77	36.95	35.33	36.24	37.43	
13	38.49	37.64	35.86	36.64	37.20	38.65	35.55	35.70	36.90	35.54	36.52	37.81	
14	38.50	37.37	35.86	37.18	36.95	40.07	35.50	36.11	36.83	35.37	37.00	38.03	
15	38.11	37.25	35.98	37.63	36.60	40.59	35.44	38.64	36.71	35.35	37.07	38.03	
16	38.14	36.88	35.87	38.18	36.44	40.44	35.54	39.77	36.62	35.72	36.81	37.92	
17	38.25	36.90	35.89	38.88	36.39	40.00	36.80	39.61	36.51	35.84	36.80	37.97	
18	38.52	37.17	36.01	38.88	36.58	39.52	40.09	39.12	36.51	35.71	36.61	37.82	
19	38.41	37.12	35.97	38.53	36.85	38.63	41.71	38.63	36.39	35.70	36.78	37.91	
20	38.40	37.21	36.32	38.08	36.99	38.19	41.77	38.00	36.09	35.80	36.77	37.93	
21	38.60	37.22	36.30	37.47	36.88	37.65	41.26	37.81	36.16	35.60	36.71	37.81	
22	38.57	37.23	36.98	37.17	36.77	37.24	40.89	37.78	36.10	35.67	36.72	37.93	
23	38.40	36.69	36.92	37.10	37.24	37.04	40.59	37.51	36.33	35.88	36.35	38.03	
24	38.61	36.37	36.80	37.02	37.75	36.90	40.12	37.36	36.27	35.90	36.83	37.96	
25	38.75	35.80	36.87	36.73	37.89	36.92	39.50	37.12	36.24	36.15	36.90	37.89	
26	38.58	36.55	37.20	36.75	37.67	36.99	39.06	37.07	36.05	35.92	37.10	37.91	
27	38.40	36.56	37.08	36.60	37.14	37.11	38.82	37.29	35.95	36.07	37.26	37.90	
28	38.27	36.60	37.18	36.40	36.66	37.70	38.61	37.23	35.85	36.07	37.41	37.90	
29	38.10	36.49	37.04	36.31	36.57	37.32	38.07	37.33	35.92	35.88		37.82	
30	37.95	36.56	36.95	36.68	36.60	37.05	37.57	37.45	35.98	36.09		37.66	
31		36.64		37.13	36.91		37.31		35.86	36.12		37.84	
MEAN	38.41	37.25	36.39	37.13	37.15	37.86	37.61	37.14	36.60	35.75	36.65	37.65	
MAX	38.75	38.36	37.20	38.88	37.89	40.59	41.77	39.77	37.41	36.15	37.41	38.03	41.77
MIN	37.95	35.80	35.77	36.21	36.39	36.51	35.43	35.70	35.85	35.29	35.76	36.59	35.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 41.95 M (MSL), AT 24.00 HOURS, ON OCT 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 34.50 M (MSL), RIVER BED 33.23 M (MSL)
LEFT BANK ELEVATION 45.08 M (MSL)
RIGHT BANK ELEVATION 45.46 M (MSL), DRAINAGE AREA 25286 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	414.6	331.1	174.0	223.8	270.8	206.2	192.0	243.6	261.2	112.4	124.4	273.2	
2	379.6	348.0	169.0	187.0	249.2	174.0	170.0	210.6	255.2	94.0	126.9	260.0	
3	379.6	270.8	178.0	235.9	243.6	155.0	150.0	171.0	250.4	109.2	140.4	252.8	
4	404.8	286.4	143.1	256.4	264.8	176.0	146.0	150.0	230.4	110.8	137.7	202.0	
5	376.8	381.0	146.0	287.6	282.8	316.8	133.2	130.5	220.5	104.4	136.8	173.0	
6	404.8	350.6	165.0	257.6	281.6	363.6	115.6	121.2	227.1	104.4	209.5	219.4	
7	371.4	332.4	102.0	181.0	286.4	362.3	101.2	113.2	220.5	91.2	224.9	228.2	
8	397.8	382.4	106.0	137.7	288.8	335.0	91.9	106.8	215.0	89.1	216.1	287.6	
9	385.2	305.1	112.4	135.9	273.2	281.6	84.2	115.6	221.6	82.1	103.6	270.8	
10	409.0	280.4	99.6	142.2	250.4	220.5	78.6	116.4	212.8	70.2	98.8	273.2	
11	386.6	314.2	104.4	157.0	254.0	235.9	75.1	111.6	216.1	65.4	180.0	241.4	
12	396.4	263.6	118.0	156.0	256.4	232.6	91.9	99.6	209.5	68.1	138.6	263.6	
13	400.6	288.8	106.8	178.0	237.0	423.0	83.5	94.0	204.0	82.8	166.0	310.3	
14	402.0	256.4	106.8	234.8	209.5	642.9	80.0	126.9	197.0	70.9	215.0	338.9	
15	349.3	242.5	116.4	287.6	174.0	731.3	75.8	421.6	185.0	69.5	222.7	338.9	
16	353.2	202.0	107.6	358.4	158.0	705.8	82.8	594.2	176.0	95.6	195.0	324.6	
17	367.5	204.0	109.2	457.0	153.0	631.0	194.0	568.6	165.0	105.2	194.0	331.1	
18	404.8	233.7	118.8	457.0	172.0	554.2	646.3	493.0	165.0	94.8	175.0	311.6	
19	389.4	228.2	115.6	406.2	199.0	420.2	928.8	420.2	153.0	94.0	192.0	323.3	
20	388.0	238.1	146.0	345.4	213.9	369.7	939.6	335.0	125.2	102.0	191.0	325.9	
21	416.0	239.2	204.0	268.4	202.0	290.0	847.8	310.3	131.4	87.0	185.0	310.3	
22	411.8	240.3	212.8	233.7	191.0	241.4	782.3	306.4	126.0	91.9	186.0	325.9	
23	388.0	183.0	206.2	226.0	241.4	219.4	731.3	273.2	147.0	108.4	149.0	338.9	
24	417.4	151.0	194.0	217.2	302.5	204.0	651.4	255.2	141.3	110.0	197.0	329.8	
25	437.5	102.0	201.0	187.0	320.7	206.2	551.0	228.2	138.6	130.5	204.0	320.7	
26	413.2	169.0	237.0	189.0	292.4	213.9	484.0	222.7	122.0	111.6	226.0	323.3	
27	388.0	170.0	223.8	174.0	230.4	227.1	448.0	246.9	114.0	123.6	243.6	322.0	
28	370.1	174.0	234.8	154.0	180.0	296.0	417.4	240.3	106.0	123.6	261.2	322.0	
29	348.0	163.0	219.4	145.0	171.0	250.4	344.1	251.6	111.6	108.4		311.6	
30	328.5	170.0	209.5	182.0	174.0	220.5	280.4	266.0	116.4	125.2		291.2	
31		178.0		229.3	205.1		249.2		106.8	127.8		314.2	
TOTAL	11679.9	7679.2	4687.2	7288.1	7228.9	9906.5	10247.4	7344.4	5471.6	3064.1	5040.2	9059.7	88697.2 CMSDAY
MEAN	389.3	247.7	156.2	235.1	233.2	330.2	330.6	244.8	176.5	98.8	180.0	292.2	243.0 CMS
MAX	437.5	382.4	237.0	457.0	320.7	731.3	939.6	594.2	261.2	130.5	261.2	338.9	939.6 CMS
MIN	328.5	102.0	99.6	135.9	153.0	165.0	75.1	94.0	106.0	65.4	98.8	173.0	65.4 CMS
RUNOFF	1009.14	663.48	404.97	629.69	624.58	855.92	885.38	634.56	472.75	264.74	435.47	782.76	7663.44 MCM

MOMENTARY PEAK 972.00 CMS, AT 41.95 M (MSL), AT 24.00 HOURS, ON OCT 19, 1985

RUNOFF YIELD 9.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 38.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

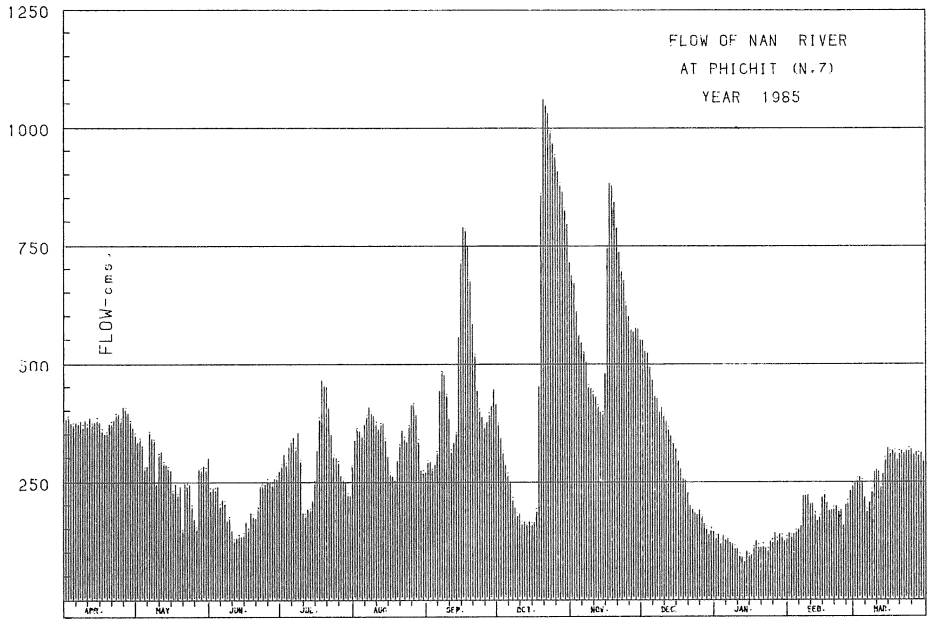
NAN RIVER AT PHICHIT, PHICHIT (N.7)

LOCATION	LAT. 16-26-31 N., LONG. 100-21-11 E., ON RIGHT BANK INFRONT OF PHICHIT PHITHAYA KHAM SCHOOL, AMPHOE MUANG, PHICHIT.
DRAINAGE AREA	29,153 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+26.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF PHICHIT PHITTHAYA KHAM SCHOOL.
ELEVATION	+37.228 M. (M.S.L.)
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	1934 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1967, 1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1967, 1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971. STAGE-DISCHARGE RELATION DEFINED BY 14 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.52	30.11	29.22	29.71	30.15	29.79	30.46	32.75	31.82	28.08	28.14	29.32	
2	30.58	30.19	29.22	29.90	30.37	29.76	30.19	32.67	31.70	28.11	28.11	29.44	
3	30.45	30.06	29.23	29.74	30.31	29.62	29.97	32.24	31.62	27.94	28.12	29.45	
4	30.46	29.65	29.25	30.03	30.25	29.70	29.70	31.93	31.44	28.08	28.23	29.40	
5	30.47	29.67	28.86	30.16	30.43	29.96	29.54	31.78	31.18	28.05	28.23	29.01	
6	30.49	30.31	28.95	30.20	30.60	31.00	29.36	31.63	30.96	28.00	28.42	28.74	
7	30.49	30.18	28.93	30.02	30.73	31.32	29.01	31.47	30.88	27.98	29.05	28.89	
8	30.43	30.17	28.46	30.28	30.66	31.26	28.77	31.10	30.71	27.85	29.13	29.20	
9	30.50	29.29	28.56	29.80	30.58	30.95	28.65	31.04	30.73	27.80	29.07	29.56	
10	30.44	29.92	28.20	28.64	30.48	30.53	28.63	30.99	30.63	27.71	28.91	29.67	
11	30.55	29.95	27.99	28.63	30.34	29.99	28.45	30.90	30.49	27.57	28.87	29.57	
12	30.45	29.76	28.01	28.73	30.46	30.11	28.44	30.77	30.39	27.45	28.67	29.30	
13	30.47	29.70	28.10	28.75	30.45	30.30	28.45	30.65	30.23	27.41	28.46	29.52	
14	30.55	29.67	28.04	28.93	30.19	31.86	28.44	30.66	30.15	27.63	28.60	29.85	
15	30.47	29.59	28.15	29.37	29.86	32.96	28.41	31.28	30.00	27.56	29.01	30.01	
16	30.36	29.17	28.43	29.96	29.56	33.41	28.43	33.16	29.83	27.51	29.15	29.97	
17	30.26	29.30	28.27	30.56	29.47	33.39	28.75	33.99	29.63	27.79	28.89	29.97	
18	30.30	29.10	28.64	31.17	29.37	33.16	31.07	34.00	29.49	27.93	28.77	29.98	
19	30.44	29.25	28.62	31.12	29.78	32.70	33.86	33.74	29.39	27.84	28.71	29.80	
20	30.48	28.24	28.51	31.07	30.08	32.06	35.05	33.44	29.19	27.74	28.81	29.97	
21	30.50	29.31	28.78	30.77	30.32	31.60	35.01	33.08	28.82	27.87	28.81	29.97	
22	30.63	29.31	29.25	30.25	30.21	31.00	34.88	32.84	28.80	27.73	28.75	29.98	
23	30.61	29.29	29.30	29.90	30.12	30.71	34.66	32.68	28.64	27.73	28.72	29.97	
24	30.54	28.83	29.30	29.84	30.42	30.57	34.50	32.37	28.69	27.92	28.42	30.02	
25	30.73	28.49	29.41	29.78	30.77	30.42	34.36	32.17	28.71	27.98	28.83	29.99	
26	30.73	28.30	29.32	29.48	30.80	30.47	34.15	32.02	28.60	28.15	28.95	29.96	
27	30.63	29.61	29.33	29.44	30.60	30.64	34.00	31.94	28.40	28.01	29.16	29.94	
28	30.50	29.64	29.42	29.35	30.17	30.75	33.88	32.05	28.33	28.11	29.33	29.94	
29	30.37	29.68	29.47	29.11	29.59	31.07	33.67	31.99	28.10	28.11		29.93	
30	30.28	29.65	29.57	29.05	29.60	30.78	33.45	31.87	28.29	27.93		29.82	
31		29.83		29.70	29.55		32.97		28.18	28.07		29.76	
MEAN	30.49	29.52	28.83	29.79	30.20	31.06	31.26	32.11	29.81	27.86	28.73	29.67	
MAX	30.73	30.31	29.57	31.17	30.80	33.41	35.05	34.00	31.82	28.15	29.33	30.02	35.05
MIN	30.26	28.24	27.99	28.63	29.37	29.62	28.41	30.65	28.10	27.41	28.11	28.74	27.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 35.13 M (MSL), AT 18.00 HOURS, ON OCT 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 26.00 M (MSL), RIVER BED 24.89 M (MSL)
LEFT BANK ELEVATION 37.06 M (MSL)
RIGHT BANK ELEVATION 37.28 M (MSL), DRAINAGE AREA 29153 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	382.4	333.2	237.0	287.1	338.0	295.9	375.2	687.5	550.8	136.4	141.2	247.0	
2	389.6	342.8	237.0	308.0	364.4	292.6	342.8	675.5	534.0	138.8	138.8	259.0	
3	374.0	327.2	238.0	290.4	357.2	277.2	316.4	611.0	523.6	125.2	139.6	260.0	
4	375.2	280.5	240.0	323.6	350.0	286.0	286.0	566.2	500.2	136.4	148.4	255.0	
5	376.4	282.7	203.4	339.2	371.6	315.2	269.0	545.2	466.4	134.0	148.4	216.9	
6	378.8	357.2	211.5	344.0	392.0	443.0	251.0	524.9	437.8	130.0	163.8	192.6	
7	378.8	341.6	209.7	322.4	407.9	484.6	216.9	504.1	427.4	128.4	220.5	206.1	
8	371.6	340.4	167.4	353.6	399.2	476.8	195.3	456.0	405.3	118.5	228.0	235.0	
9	380.0	244.0	176.4	297.0	389.6	436.5	184.5	448.2	407.9	115.0	222.3	271.0	
10	372.8	310.4	146.0	183.6	377.6	383.6	182.7	441.7	395.6	108.7	207.9	282.7	
11	386.0	314.0	129.2	182.7	360.8	318.8	166.5	430.0	378.8	98.9	204.3	272.0	
12	374.0	292.6	130.8	191.7	375.2	333.2	165.6	413.1	366.8	90.5	186.3	245.0	
13	376.4	286.0	138.0	193.5	374.0	356.0	166.5	398.0	347.6	87.7	167.4	267.0	
14	386.0	282.7	133.2	209.7	342.8	556.4	165.6	399.2	338.0	103.1	180.0	302.5	
15	376.4	274.0	142.0	252.0	303.6	719.0	162.9	479.4	320.0	98.2	216.9	321.2	
16	363.2	232.0	164.7	315.2	271.0	789.6	164.7	749.6	300.3	94.7	230.0	316.4	
17	351.2	245.0	151.6	387.2	262.0	786.4	193.5	882.4	278.3	114.3	206.1	316.4	
18	356.0	225.0	183.6	465.1	252.0	749.6	452.1	884.0	264.0	124.4	195.3	317.6	
19	372.8	240.0	181.8	458.6	294.8	680.0	861.6	842.4	254.0	117.8	189.9	297.0	
20	377.6	149.2	171.9	452.1	329.6	584.4	1060.5	794.4	234.0	110.8	198.9	316.4	
21	380.0	246.0	196.2	413.1	358.4	521.0	1053.7	737.0	199.8	119.9	198.9	316.4	
22	395.6	246.0	240.0	350.0	345.2	443.0	1031.6	701.0	198.0	110.1	193.5	317.6	
23	393.2	244.0	245.0	308.0	334.4	405.3	994.2	677.0	183.6	110.1	190.8	316.4	
24	384.8	200.7	245.0	301.4	370.4	388.4	967.0	630.5	188.1	123.6	163.8	322.4	
25	407.9	170.1	256.0	294.8	413.1	370.4	943.2	600.5	189.9	128.4	200.7	318.8	
26	407.9	154.0	247.0	263.0	417.0	376.4	908.0	578.8	180.0	142.0	211.5	315.2	
27	395.6	276.1	248.0	259.0	392.0	396.8	884.0	567.6	162.0	130.8	231.0	312.8	
28	380.0	279.4	257.0	250.0	340.4	410.5	864.8	583.0	156.4	138.8	248.0	312.8	
29	364.4	283.8	262.0	226.0	274.0	452.1	831.2	574.6	138.0	138.8		311.6	
30	353.6	280.5	272.0	220.5	275.0	414.4	796.0	557.8	153.2	124.4		299.2	
31		300.3		286.0	270.0		720.5		144.4	135.6		292.6	
TOTAL	11362.2	8381.4	6061.4	9328.5	10703.2	13743.1	16173.5	17940.6	9624.2	3714.3	5372.2	8832.6	121237.2 CMSDAY
MEAN	378.7	270.4	202.0	300.9	345.3	458.1	521.7	598.0	310.5	119.8	191.9	284.9	332.2 CMS
MAX	407.9	357.2	272.0	465.1	417.0	789.6	1060.5	884.0	550.8	142.0	248.0	322.4	1060.5 CMS
MIN	351.2	149.2	129.2	182.7	252.0	277.2	162.9	398.0	138.0	87.7	138.8	192.6	87.7 CMS
RUNOFF	981.69	724.15	523.71	805.98	924.76	1187.40	1397.39	1550.07	831.53	320.92	464.16	763.14	10474.90 MCM

MOMENTARY PEAK 1074.10 CMS, AT 35.13 M (MSL), AT 18.00 HOURS, ON OCT 20, 1985

RUNOFF YIELD 11.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.84 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

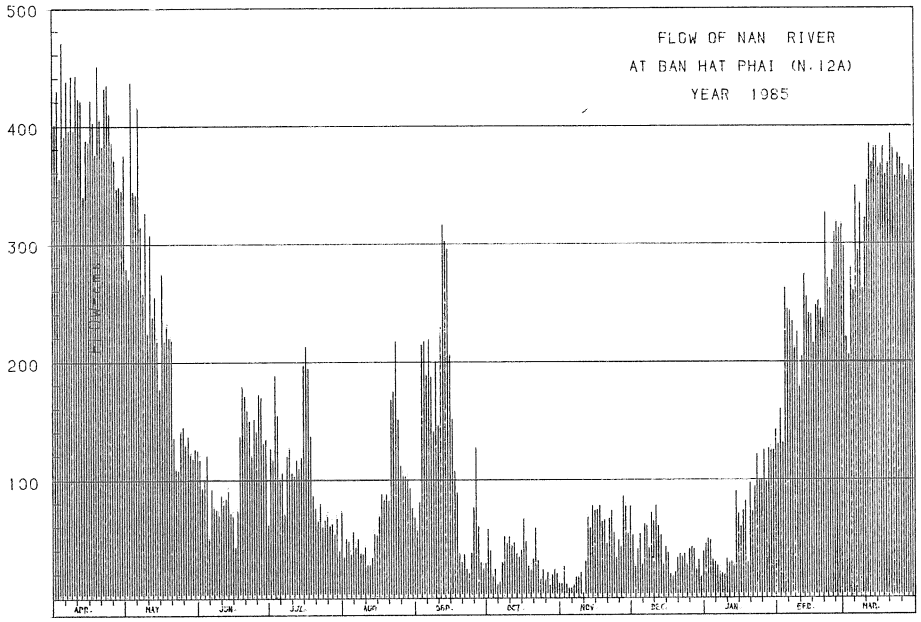
NAN RIVER AT BAN HAT PHAI, UTTARADIT (N.12A)

LOCATION	LAT. 17-44-10 N., LONG. 100-32-28 E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM SIRIKIT DAM SITE, ALONG PHASOM-SILOT ROAD AT BAN HAT PHAI, AMPHOE THA PHA, UTTARADIT.
DRAINAGE AREA	15,718 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+69.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+83.655 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 132 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	72.86	72.14	71.06	71.14	70.19	70.47	70.47	69.74	70.38	70.35	71.14	72.25	
2	73.04	72.11	70.78	71.02	70.39	70.66	70.25	70.11	70.10	70.35	71.39	71.79	
3	72.59	73.06	70.88	71.58	70.33	71.75	69.94	69.73	70.26	70.38	71.15	71.67	
4	73.24	72.54	71.06	71.33	70.26	71.75	69.99	69.75	70.43	70.14	72.06	72.16	
5	72.80	72.51	70.38	70.87	70.41	71.58	69.82	69.66	70.06	70.19	71.93	72.03	
6	73.08	72.96	70.77	70.91	70.32	71.76	69.77	69.80	70.51	70.04	71.95	72.57	
7	72.83	72.35	70.65	70.59	70.35	71.57	70.18	69.85	70.46	70.03	71.86	72.23	
8	73.10	72.03	70.60	71.05	70.27	71.23	70.37	69.94	70.31	69.91	71.73	72.48	
9	72.83	72.42	70.59	71.14	70.22	71.65	70.36	69.93	70.57	69.97	71.80	72.04	
10	73.10	71.81	70.72	70.91	70.32	71.27	70.37	69.67	70.55	70.16	71.51	72.41	
11	72.99	72.31	70.68	70.92	70.06	71.85	70.34	70.12	70.63	70.18	71.66	72.58	
12	73.00	71.90	70.69	71.02	70.15	72.36	70.32	70.57	70.50	70.11	72.13	72.78	
13	72.50	72.00	70.79	70.99	70.18	72.30	70.27	70.44	70.38	70.13	72.00	72.67	
14	72.80	71.77	70.57	71.04	70.43	72.24	70.19	70.67	70.14	70.75	71.93	72.76	
15	72.77	71.48	70.58	71.64	70.38	71.69	70.30	70.59	70.28	70.60	71.90	72.75	
16	73.00	72.13	70.28	71.72	70.58	71.31	70.52	70.64	70.28	70.45	71.76	72.66	
17	72.87	71.75	70.61	71.62	70.73	70.96	70.37	70.63	69.90	70.63	71.95	72.66	
18	72.73	71.85	71.20	71.20	70.72	70.74	70.04	70.54	69.94	70.67	72.00	72.76	
19	73.13	71.77	71.51	70.75	70.73	70.26	70.07	70.51	69.93	70.17	71.93	72.61	
20	72.90	71.78	71.44	70.61	70.72	70.11	70.16	70.35	70.23	70.82	71.90	72.68	
21	72.75	71.19	71.38	70.54	71.42	70.26	70.48	70.52	70.22	70.62	72.42	72.81	
22	73.05	70.97	71.30	70.65	71.49	69.99	70.13	70.63	70.24	70.79	72.11	72.76	
23	73.05	70.93	71.08	70.49	71.75	70.01	69.91	70.40	70.22	71.10	72.04	72.60	
24	72.93	71.25	71.31	70.51	71.33	70.23	69.98	70.23	70.16	70.84	72.15	72.73	
25	72.77	71.26	71.26	70.58	70.97	70.65	69.90	70.34	70.26	70.89	72.32	72.69	
26	72.70	71.16	71.45	70.46	70.93	71.12	69.93	70.33	70.32	71.10	72.39	72.68	
27	72.54	71.20	71.46	70.52	70.88	70.49	69.81	70.71	70.26	70.87	72.34	72.60	
28	72.57	71.10	71.15	70.39	70.90	70.10	69.89	70.67	70.06	71.11	72.38	72.60	
29	72.53	71.03	71.21	70.56	70.78	70.09	70.07	70.39	70.14	71.13		72.65	
30	72.72	71.14	70.47	70.25	70.65	70.09	69.91	70.66	69.94	71.10		72.65	
31		71.10		70.61	70.53		69.86		70.24	71.27		72.56	
MEAN	72.86	71.77	70.93	70.89	70.62	71.02	70.13	70.27	70.25	70.54	71.92	72.51	
MAX	73.24	73.06	71.51	71.72	71.75	72.36	70.52	70.71	70.63	71.27	72.42	72.81	73.24
MIN	72.50	70.93	70.28	70.25	70.06	69.99	69.77	69.66	69.90	69.91	71.14	71.67	69.66

ANNUAL MAX MOMENTARY GAGE HEIGHT 73.64 M (MSL), AT 24.00 HOURS, ON APR 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 69.00 M (MSL), RIVER BED 67.89 M (MSL)
LEFT BANK ELEVATION 84.80 M (MSL)
RIGHT BANK ELEVATION 83.81 M (MSL), DRAINAGE AREA 15718 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	401.2	278.8	121.0	129.8	34.5	62.0	62.0	12.0	53.0	50.0	129.8	297.5	
2	433.0	273.7	93.0	117.0	54.0	81.0	40.0	30.5	30.0	50.0	163.5	223.5	
3	355.3	437.0	103.0	192.0	48.0	217.5	22.0	11.5	41.0	53.0	131.0	205.5	
4	473.0	346.8	121.0	154.5	41.0	217.5	24.5	12.5	58.0	32.0	265.2	282.2	
5	391.0	341.7	53.0	102.0	56.0	192.0	16.0	8.0	28.0	34.5	244.5	260.1	
6	441.0	418.2	92.0	106.0	47.0	219.0	13.5	15.0	66.0	27.0	247.5	351.9	
7	396.1	314.5	80.0	74.0	50.0	190.5	34.0	17.5	61.0	26.5	234.0	294.1	
8	445.0	260.1	75.0	120.0	42.0	140.9	52.0	22.0	46.0	20.5	214.5	336.6	
9	396.1	326.4	74.0	129.8	37.0	202.5	51.0	21.5	72.0	23.5	225.0	261.8	
10	445.0	226.5	87.0	106.0	47.0	146.1	52.0	8.5	70.0	33.0	181.5	324.7	
11	423.3	307.7	83.0	107.0	28.0	232.5	49.0	31.0	78.0	34.0	204.0	353.6	
12	425.0	240.0	84.0	117.0	32.5	316.2	47.0	72.0	65.0	30.5	277.1	387.6	
13	340.0	255.0	94.0	114.0	34.0	306.0	42.0	59.0	53.0	31.5	255.0	368.9	
14	391.0	220.5	72.0	119.0	58.0	295.8	34.5	82.0	32.0	90.0	244.5	384.2	
15	385.9	177.0	73.0	201.0	53.0	208.5	45.0	74.0	43.0	75.0	240.0	382.5	
16	425.0	277.1	43.0	213.0	73.0	151.5	67.0	79.0	43.0	60.0	219.0	367.2	
17	402.9	217.5	76.0	198.0	88.0	111.0	52.0	78.0	20.0	78.0	247.5	367.2	
18	379.1	232.5	137.0	137.0	87.0	89.0	27.0	69.0	22.0	82.0	255.0	384.2	
19	451.0	220.5	181.5	90.0	88.0	41.0	28.5	66.0	21.5	33.5	244.5	358.7	
20	408.0	222.0	171.0	76.0	87.0	30.5	33.0	50.0	38.0	97.0	240.0	370.6	
21	382.5	135.8	162.0	69.0	168.0	41.0	63.0	67.0	37.0	77.0	326.4	392.7	
22	435.0	112.0	150.0	80.0	178.5	24.5	31.5	78.0	39.0	94.0	273.7	384.2	
23	435.0	108.0	123.0	64.0	217.5	25.5	20.5	55.0	37.0	125.0	261.8	357.0	
24	413.1	143.5	151.5	66.0	154.5	38.0	24.0	38.0	33.0	99.0	280.5	379.1	
25	385.9	144.8	144.8	73.0	112.0	80.0	20.0	49.0	41.0	104.0	309.4	372.3	
26	374.0	132.2	172.5	61.0	108.0	127.4	21.5	48.0	47.0	125.0	321.3	370.6	
27	346.8	137.0	174.0	67.0	103.0	64.0	15.5	86.0	41.0	102.0	312.8	357.0	
28	351.9	125.0	131.0	54.0	105.0	30.0	19.5	82.0	28.0	126.2	319.6	357.0	
29	345.1	118.0	138.3	71.0	93.0	29.5	28.5	54.0	32.0	128.6		365.5	
30	377.4	129.8	62.0	40.0	80.0	29.5	20.5	81.0	22.0	125.0		365.5	
31		125.0		76.0	68.0		18.0		39.0	146.1		350.2	
TOTAL	12054.6	7004.6	3322.6	3324.1	2472.5	3940.4	1074.5	1457.0	1336.5	2213.4	6868.6	10613.7	55682.5 CMSDAY
MEAN	401.8	226.0	110.8	107.2	79.8	131.3	34.7	48.6	43.1	71.4	245.3	342.4	152.6 CMS
MAX	473.0	437.0	181.5	213.0	217.5	316.2	67.0	86.0	78.0	146.1	326.4	392.7	473.0 CMS
MIN	340.0	108.0	43.0	40.0	28.0	24.5	13.5	8.0	20.0	20.5	129.8	205.5	8.0 CMS
RUNOFF	1041.52	605.20	287.07	287.20	213.62	340.45	92.84	125.88	115.47	191.24	593.45	917.02	4810.97 MCM

MOMENTARY PEAK 553.00 CMS, AT 73.64 M (MSL), AT 24.00 HOURS, ON APR 14, 1985

RUNOFF YIELD 9.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 35.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

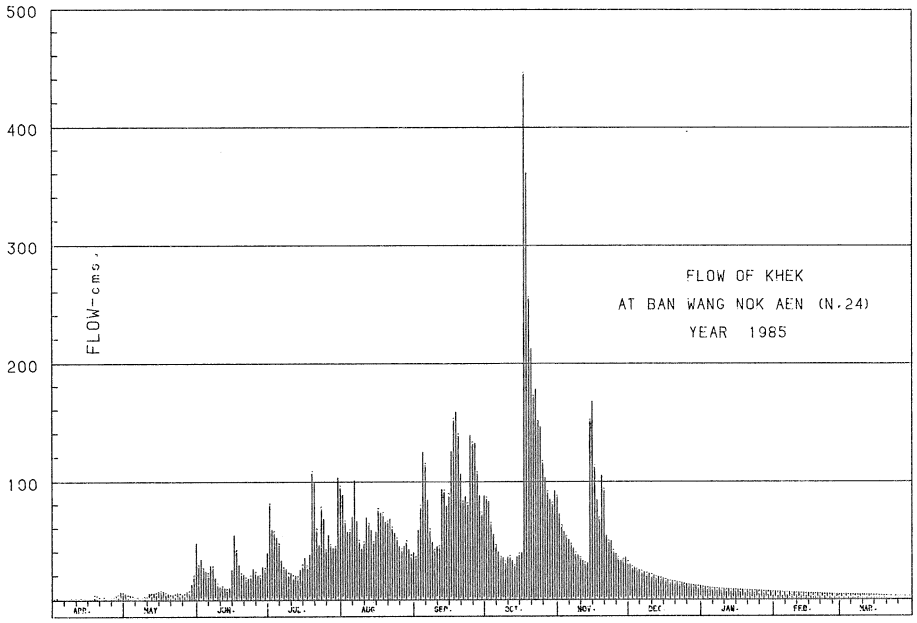
KHEK RIVER AT BAN WANG NOK AEN, PHITSANULOK (N.24)

LOCATION	LAT. 16-50-35 N., LONG. 100-31-20 E., ON RIGHT BANK ABOUT 2 KILOMETERS DOWNSTREAM FROM SAKUNOTHAYAN FALL, AMPHOE WANG THONG, PHITSANULOK.
DRAINAGE AREA	1,861 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+12.845 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	1965-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 97 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	1.00	2.48	4.14	4.32	2.71	4.27	3.91	2.49	1.55	1.16	0.93	
2	0.63	0.91	2.63	3.48	3.73	3.46	4.18	3.60	2.41	1.53	1.15	0.92	
3	0.61	0.87	2.35	3.44	3.41	4.10	3.68	3.42	2.35	1.51	1.15	0.92	
4	0.60	0.80	2.20	3.25	3.48	5.22	3.34	3.30	2.30	1.50	1.13	0.92	
5	0.60	0.74	2.15	3.09	3.84	4.99	3.05	3.19	2.25	1.47	1.12	0.92	
6	0.58	0.71	2.44	2.61	4.62	4.21	2.85	3.08	2.22	1.45	1.11	0.91	
7	0.59	0.70	2.43	2.37	3.72	3.50	2.71	2.95	2.17	1.43	1.10	0.90	
8	0.61	0.70	1.92	2.30	3.18	3.12	2.68	2.83	2.14	1.42	1.09	0.90	
9	0.63	0.79	1.70	2.15	2.93	2.92	2.58	2.76	2.10	1.40	1.09	0.90	
10	0.62	0.74	1.53	2.14	3.14	3.00	2.70	2.70	2.07	1.39	1.08	0.90	
11	0.65	1.03	1.58	2.05	3.82	3.03	2.74	2.60	2.03	1.38	1.07	0.90	
12	0.63	1.06	1.47	2.02	3.66	4.43	2.60	2.55	1.99	1.37	1.06	0.90	
13	0.61	1.05	1.43	1.99	3.46	4.42	2.47	2.53	1.96	1.36	1.05	0.89	
14	0.58	1.11	1.48	2.27	3.14	4.08	2.71	5.79	1.92	1.35	1.04	0.88	
15	0.57	1.19	2.26	2.51	3.41	4.35	2.81	6.10	1.90	1.34	1.03	0.87	
16	0.55	1.27	3.32	2.68	4.03	5.24	2.82	4.95	1.86	1.33	1.02	0.86	
17	0.62	1.20	2.91	2.45	3.94	5.81	10.78	4.21	1.83	1.32	1.01	0.85	
18	0.91	1.12	2.47	2.77	3.95	5.92	9.53	3.82	1.80	1.31	1.01	0.84	
19	0.85	1.00	2.13	4.82	3.69	5.55	7.79	4.73	1.79	1.30	1.01	0.83	
20	0.72	0.92	2.07	4.58	3.72	4.76	6.99	4.45	1.77	1.29	0.99	0.82	
21	0.73	0.91	1.96	3.51	3.78	4.19	6.20	3.30	1.75	1.28	0.98	0.82	
22	0.71	0.99	1.90	3.04	3.55	4.28	6.30	3.17	1.72	1.27	0.97	0.80	
23	0.69	1.06	2.02	4.07	3.38	4.15	5.77	3.15	1.71	1.26	0.96	0.80	
24	0.74	1.04	2.31	3.78	3.24	5.52	5.66	2.90	1.67	1.25	0.96	0.80	
25	0.74	0.92	2.19	2.92	3.00	5.41	5.04	2.79	1.65	1.24	0.95	0.79	
26	0.74	1.01	2.03	3.32	2.93	5.39	4.68	2.70	1.63	1.23	0.95	0.78	
27	0.83	1.16	2.04	3.07	3.01	4.81	4.40	2.60	1.62	1.21	0.93	0.77	
28	0.93	1.25	2.39	2.95	3.17	4.30	4.22	2.64	1.60	1.20	0.93	0.78	
29	1.14	1.65	2.35	3.01	2.92	3.95	4.16	2.69	1.59	1.19		0.78	
30	1.11	2.05	2.82	4.69	2.76	4.30	4.40	2.58	1.58	1.17		0.76	
31		3.09		4.51	2.83		4.30		1.57	1.16		0.73	
MEAN	0.70	1.10	2.17	3.10	3.48	4.37	4.46	3.40	1.92	1.34	1.04	0.85	
MAX	1.14	3.09	3.32	4.82	4.62	5.92	10.78	6.10	2.49	1.55	1.16	0.93	10.78
MIN	0.55	0.70	1.43	1.99	2.76	2.71	2.47	2.53	1.57	1.16	0.93	0.73	0.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 12.83 M (A.D), AT 12.00 HOURS, ON OCT 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.57 M (A.D)
LEFT BANK ELEVATION 13.82 M (A.D)
RIGHT BANK ELEVATION 15.62 M (A.D), DRAINAGE AREA 1861 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.10	5.00	29.60	81.60	88.80	36.30	86.80	72.40	29.80	11.00	6.60	4.30	
2	1.30	4.10	33.90	59.40	66.90	58.80	83.20	63.00	28.20	10.60	6.50	4.20	
3	1.10	3.70	27.00	58.20	57.30	80.00	65.40	57.60	27.00	10.20	6.50	4.20	
4	1.00	3.00	24.00	52.50	59.40	124.80	55.20	54.00	26.00	10.00	6.30	4.20	
5	1.00	2.40	23.00	47.70	70.20	115.60	46.50	50.70	25.00	9.70	6.20	4.20	
6	0.80	2.10	28.80	33.30	100.80	84.40	40.50	47.40	24.40	9.50	6.10	4.10	
7	0.90	2.00	28.60	27.40	66.60	60.00	36.30	43.50	23.40	9.30	6.00	4.00	
8	1.10	2.00	18.40	26.00	50.40	48.60	35.40	39.90	22.80	9.20	5.90	4.00	
9	1.30	2.90	14.00	23.00	42.90	42.60	32.40	37.80	22.00	9.00	5.90	4.00	
10	1.20	2.40	10.60	22.80	49.20	45.00	36.00	36.00	21.40	8.90	5.80	4.00	
11	1.50	5.30	11.60	21.00	69.60	45.90	37.20	33.00	20.60	8.80	5.70	4.00	
12	1.30	5.60	9.70	20.40	64.80	93.20	33.00	31.50	19.80	8.70	5.60	4.00	
13	1.10	5.50	9.30	19.80	58.80	92.80	29.40	30.90	19.20	8.60	5.50	3.90	
14	0.80	6.10	9.80	25.40	49.20	79.20	36.30	152.50	18.40	8.50	5.40	3.80	
15	0.70	6.90	25.20	30.30	57.30	90.00	39.30	168.00	18.00	8.40	5.30	3.70	
16	0.50	7.70	54.60	35.40	77.20	125.60	39.60	114.00	17.20	8.30	5.20	3.60	
17	1.20	7.00	42.30	29.00	73.60	153.50	446.60	84.40	16.60	8.20	5.10	3.50	
18	4.10	6.20	29.40	38.10	74.00	159.00	361.45	69.60	16.00	8.10	5.10	3.40	
19	3.50	5.00	22.60	108.80	65.70	140.50	256.45	105.20	15.80	8.00	5.10	3.30	
20	2.20	4.20	21.40	99.20	66.60	106.40	212.50	94.00	15.40	7.90	4.90	3.20	
21	2.30	4.10	19.20	60.30	68.40	83.60	173.00	54.00	15.00	7.80	4.80	3.20	
22	2.10	4.90	18.00	46.20	61.50	87.20	178.00	50.10	14.40	7.70	4.70	3.00	
23	1.90	5.60	20.40	78.80	56.40	82.00	151.50	49.50	14.20	7.60	4.60	3.00	
24	2.40	5.40	26.20	68.40	52.20	139.00	146.00	42.00	13.40	7.50	4.60	3.00	
25	2.40	4.20	23.80	42.60	45.00	133.50	117.60	38.70	13.00	7.40	4.50	2.90	
26	2.40	5.10	20.60	54.60	42.90	132.50	103.20	36.00	12.60	7.30	4.50	2.80	
27	3.30	6.60	20.80	47.10	45.30	108.40	92.00	33.00	12.40	7.10	4.30	2.70	
28	4.30	7.50	27.80	43.50	50.10	88.00	84.80	34.20	12.00	7.00	4.30	2.80	
29	6.40	13.00	27.00	45.30	42.60	74.00	82.40	35.70	11.80	6.90		2.80	
30	6.10	21.00	39.60	103.60	37.80	88.00	92.00	32.40	11.60	6.70		2.60	
31		47.70		96.40	39.90		88.00		11.40	6.60		2.30	
TOTAL	61.30	214.20	717.20	1546.10	1851.40	2798.40	3318.00	1791.00	568.80	260.50	151.00	108.70	13386.60 CMSDAY
MEAN	2.04	6.91	23.91	49.87	59.72	93.28	107.03	59.70	18.35	8.40	5.39	3.51	36.68 CMS
MAX	6.40	47.70	54.60	108.80	100.80	159.00	446.60	168.00	29.80	11.00	6.60	4.30	446.60 CMS
MIN	0.50	2.00	9.30	19.80	37.80	36.30	29.40	30.90	11.40	6.60	4.30	2.30	0.50 CMS
RUNOFF	5.296	18.507	61.966	133.583	159.961	241.782	286.675	154.742	49.144	22.507	13.046	9.392	1156.602 MCM

MOMENTARY PEAK 590.10 CMS, AT 12.83 M (A.D), AT 12.00 HOURS, ON OCT 17, 1985

RUNOFF YIELD 19.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 317.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

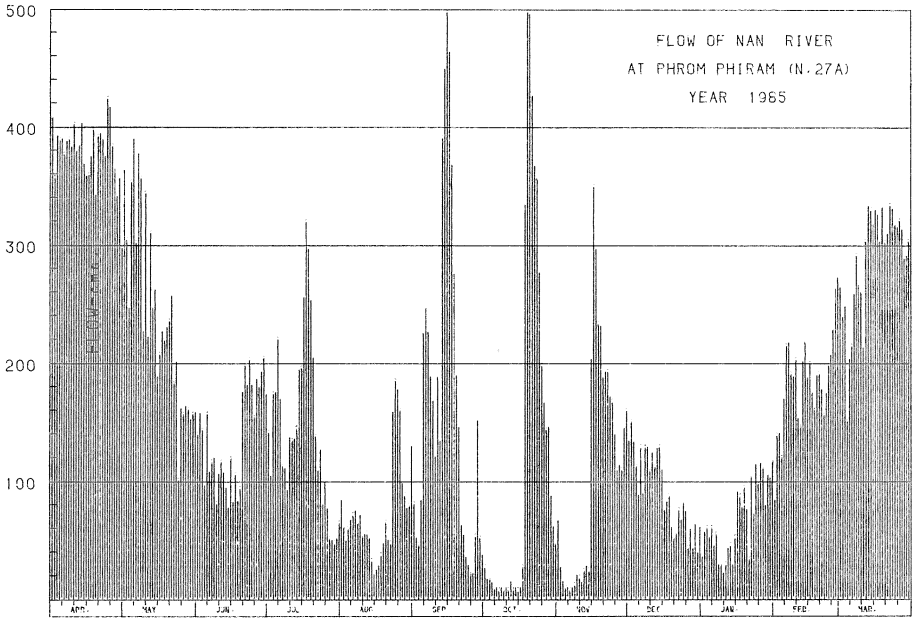
NAN RIVER AT PHROM PHIRAM, PHITSANULOK (N.27A)

LOCATION	LAT. 17-01-54 N., LONG. 100-11-05 E., ON RIGHT BANK ABOUT 1,800 METERS DOWNSTREAM FROM PHROM PHIRAM DAM, AMPHOE PHROM PHIRAM, PHITSANULOK.
DRAINAGE AREA	19,540 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 12 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+10.159 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	1980 TO DATE.
RATED BY FLOAT	-
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 23 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.30	3.92	1.92	1.94	1.28	1.26	0.49	1.06	1.84	0.67	1.28	3.07	
2	3.88	3.43	2.10	1.51	1.02	0.88	0.22	0.51	2.04	0.94	1.91	2.87	
3	4.17	2.92	1.96	2.28	0.84	0.82	0.30	0.17	1.83	1.01	1.91	2.93	
4	4.16	3.85	1.42	2.28	1.00	1.28	0.13	0.05	1.62	0.88	1.70	2.04	
5	4.15	4.15	2.11	2.71	1.07	2.76	0.03	0.00	1.33	1.01	2.22	2.55	
6	4.05	3.41	1.55	2.22	1.15	2.92	0.00	0.00	1.80	0.78	2.66	2.66	
7	4.13	4.04	1.66	1.62	1.17	2.77	0.00	0.00	1.34	0.94	2.67	3.02	
8	4.16	3.88	1.68	1.58	1.06	2.41	0.00	0.13	1.80	0.49	2.45	3.32	
9	4.09	2.75	1.27	1.40	1.12	2.23	0.00	0.32	1.78	0.53	2.41	3.09	
10	4.27	3.77	1.53	1.87	0.92	1.69	0.00	0.32	1.57	0.35	2.56	3.05	
11	4.06	2.71	1.66	1.86	0.92	2.43	0.00	0.14	1.73	0.54	2.05	2.63	
12	4.12	3.48	1.54	1.86	0.95	1.84	0.16	0.43	1.61	0.75	1.99	3.42	
13	4.26	2.92	1.42	1.98	0.87	4.17	0.00	0.47	1.77	0.82	2.53	3.66	
14	3.98	3.07	1.20	2.47	0.60	4.62	0.00	0.44	1.80	0.49	2.69	3.65	
15	3.88	2.41	1.69	2.50	0.33	5.20	0.00	2.55	1.57	0.91	2.40	3.53	
16	3.90	2.60	1.26	3.00	0.47	4.73	0.00	3.82	1.20	1.36	2.53	3.65	
17	4.02	2.75	1.54	3.56	0.48	3.98	0.49	3.35	1.26	1.34	2.27	3.60	
18	4.23	2.70	1.27	3.35	0.70	3.17	3.67	2.82	1.34	1.20	2.14	3.42	
19	3.74	2.78	1.41	3.00	0.81	2.44	5.27	2.79	0.99	1.42	2.42	3.65	
20	4.18	2.84	2.28	2.56	1.07	1.97	4.96	2.43	0.90	1.18	2.45	3.41	
21	4.19	3.01	2.52	1.90	0.85	1.04	4.46	2.45	0.92	0.62	2.30	3.46	
22	4.17	2.37	2.34	1.56	0.84	0.91	3.95	2.47	1.20	1.50	2.10	3.68	
23	4.02	2.53	2.56	1.78	2.11	0.68	3.88	2.24	1.07	1.16	2.27	3.64	
24	4.44	1.49	2.34	1.23	2.39	0.49	3.18	2.22	1.28	1.62	2.52	3.54	
25	4.37	2.14	2.08	1.48	2.30	0.36	2.52	1.90	1.16	1.45	2.58	3.51	
26	4.11	2.11	2.39	1.19	2.14	0.35	2.19	1.59	0.78	1.63	2.78	3.57	
27	3.93	2.16	2.34	0.90	1.44	0.92	1.96	1.61	0.97	1.61	3.06	3.49	
28	3.75	2.15	2.45	0.85	1.35	2.03	1.97	1.59	0.79	1.22	3.16	3.30	
29	3.86	2.04	2.57	0.84	1.19	0.90	1.35	1.96	1.02	1.54		3.30	
30	3.37	2.11	2.26	0.87	1.25	0.66	1.00	2.14	0.73	1.49		3.42	
31		2.11		1.06	1.79		0.83		0.99	1.66		3.46	
MEAN	4.06	2.86	1.88	1.91	1.14	2.06	1.39	1.40	1.36	1.07	2.36	3.28	
MAX	4.44	4.15	2.57	3.56	2.39	5.20	5.27	3.82	2.04	1.66	3.16	3.68	5.27
MIN	3.37	1.49	1.20	0.84	0.33	0.35	0.00	0.00	0.73	0.35	1.28	2.04	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.35 M (A.D), AT 12.00 HOURS, ON SEP 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.80 M (A.D)
LEFT BANK ELEVATION 10.10 M (A.D)
RIGHT BANK ELEVATION 10.30 M (A.D), DRAINAGE AREA 19540 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	408.0	363.7	141.8	143.6	84.4	82.8	29.5	66.8	134.6	38.5	84.4	264.5	
2	359.0	306.5	158.0	104.9	63.6	52.6	17.4	30.5	152.6	57.2	140.9	241.2	
3	392.8	247.0	145.4	176.0	49.8	48.4	20.0	15.8	133.7	62.8	140.9	248.2	
4	391.7	355.5	96.8	176.0	62.0	84.4	14.5	11.9	114.8	52.6	122.0	152.6	
5	390.5	390.5	159.0	222.5	67.6	228.3	11.2	10.3	88.7	62.8	170.0	203.8	
6	378.8	304.2	108.5	170.0	74.0	247.0	10.3	10.3	131.0	45.6	216.7	216.7	
7	388.2	377.7	118.4	114.8	75.6	229.5	10.3	10.3	89.6	57.2	217.8	258.7	
8	391.7	359.0	120.2	111.2	66.8	189.0	10.3	14.5	131.0	29.5	193.0	293.7	
9	383.5	227.2	83.6	95.0	71.6	171.0	10.3	21.0	129.2	31.5	189.0	266.8	
10	404.5	346.2	106.7	137.3	55.6	121.1	10.3	21.0	110.3	22.5	205.0	262.2	
11	380.0	222.5	118.4	136.4	55.6	191.0	10.3	14.8	124.7	32.0	153.5	213.2	
12	387.0	312.3	107.6	136.4	58.0	134.6	15.5	26.5	113.9	43.5	148.1	305.3	
13	403.3	247.0	96.8	147.2	51.9	392.8	10.3	28.5	128.3	48.4	201.5	333.3	
14	370.7	264.5	78.0	195.0	35.0	449.6	10.3	27.0	131.0	29.5	220.2	332.2	
15	359.0	189.0	121.1	198.0	21.5	530.0	10.3	203.8	110.3	54.8	188.0	318.2	
16	361.3	209.7	82.8	256.3	28.5	464.2	10.3	352.0	78.0	91.4	201.5	332.2	
17	375.3	227.2	107.6	321.7	29.0	370.7	29.5	297.2	82.8	89.6	175.0	326.3	
18	399.8	221.3	83.6	297.2	40.0	276.2	334.5	235.3	89.6	78.0	162.0	305.3	
19	342.7	230.7	95.9	256.3	47.7	192.0	539.8	231.8	61.2	96.8	190.0	332.2	
20	394.0	237.7	176.0	205.0	67.6	146.3	496.4	191.0	54.0	76.4	193.0	304.2	
21	395.2	257.5	200.3	140.0	50.5	65.2	428.8	193.0	55.6	36.0	178.0	310.0	
22	392.8	185.0	182.0	109.4	49.8	54.8	367.2	195.0	78.0	104.0	158.0	335.7	
23	375.3	201.5	205.0	129.2	159.0	39.0	359.0	172.0	67.6	74.8	175.0	331.0	
24	426.2	103.1	182.0	80.4	187.0	29.5	277.3	170.0	84.4	114.8	200.3	319.3	
25	417.1	162.0	156.2	102.2	178.0	23.0	200.3	140.0	74.8	99.5	207.3	315.8	
26	385.8	159.0	187.0	77.2	162.0	22.5	167.0	112.1	45.6	115.7	230.7	322.8	
27	364.8	164.0	182.0	54.0	98.6	55.6	145.4	113.9	59.6	113.9	263.3	313.5	
28	343.8	163.0	193.0	50.5	90.5	151.7	146.3	112.1	46.3	79.6	275.0	291.3	
29	356.7	152.6	206.2	49.8	77.2	54.0	90.5	145.4	63.6	107.6		291.3	
30	299.5	159.0	174.0	51.9	82.0	38.0	62.0	162.0	42.1	103.1		305.3	
31		159.0		66.8	130.1		49.1		61.2	118.4		310.0	
TOTAL	11419.0	7505.1	4173.9	4512.2	2370.5	5134.8	3904.2	3335.8	2868.1	2168.0	5200.1	8956.8	61548.5 CMSDAY
MEAN	380.6	242.1	139.1	145.6	76.5	171.2	125.9	111.2	92.5	69.9	185.7	288.9	168.6 CMS
MAX	426.2	390.5	206.2	321.7	187.0	530.0	539.8	352.0	152.6	118.4	275.0	335.7	539.8 CMS
MIN	299.5	103.1	78.0	49.8	21.5	22.5	10.3	10.3	42.1	22.5	84.4	152.6	10.3 CMS
RUNOFF	986.60	648.44	360.62	389.85	204.81	443.65	337.32	288.21	247.80	187.32	449.29	773.87	5317.79 MCM

MOMENTARY PEAK 551.00 CMS, AT 5.35 M (A.D), AT 12.00 HOURS, ON SEP 15, 1985
RUNOFF YIELD 8.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 28.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

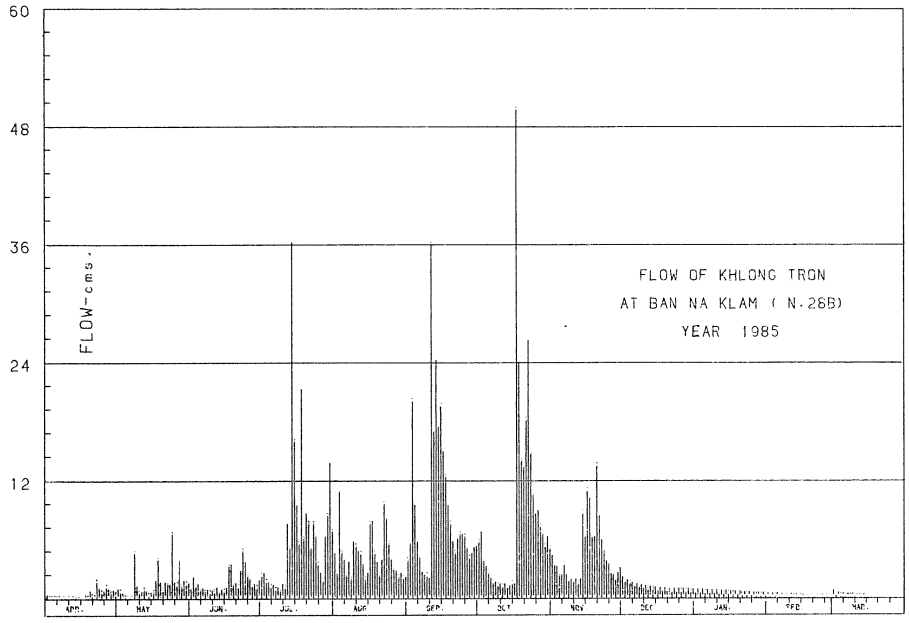
KHLONG TRON AT BAN NA KLAM, UTTARADIT (N.28B)

LOCATION	LAT. 17-34-55 N., LONG. 100-29-45 E., ON RIGHT BANK NEAR BAN NA KLAM SCHOOL ABOUT 1 KILOMETER UPSTREAM FROM STATION N.28A, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	366 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+3.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 20 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.577 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
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 106 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.38	4.47	4.52	4.62	4.71	4.69	4.77	4.70	4.60	4.46	4.40	4.44	
2	4.37	4.47	4.60	4.62	4.63	4.75	4.80	4.67	4.58	4.46	4.40	4.42	
3	4.37	4.41	4.53	4.58	4.94	5.17	4.69	4.65	4.57	4.46	4.40	4.41	
4	4.37	4.38	4.53	4.55	4.72	4.90	4.65	4.62	4.56	4.46	4.40	4.40	
5	4.37	4.37	4.50	4.53	4.68	4.77	4.63	4.61	4.54	4.45	4.40	4.40	
6	4.37	4.37	4.48	4.52	4.62	4.69	4.59	4.67	4.54	4.45	4.39	4.39	
7	4.36	4.37	4.46	4.50	4.67	4.64	4.57	4.61	4.53	4.45	4.39	4.39	
8	4.36	4.72	4.46	4.49	4.60	4.61	4.55	4.59	4.53	4.45	4.39	4.39	
9	4.36	4.51	4.46	4.49	4.76	4.62	4.54	4.58	4.52	4.45	4.39	4.39	
10	4.36	4.45	4.45	4.53	4.75	4.59	4.53	4.58	4.52	4.45	4.39	4.39	
11	4.36	4.43	4.47	4.52	4.72	5.43	4.53	4.58	4.51	4.44	4.39	4.38	
12	4.36	4.50	4.49	4.83	4.72	5.10	4.53	4.56	4.50	4.44	4.38	4.38	
13	4.35	4.44	4.47	4.74	4.66	5.25	4.52	4.58	4.50	4.44	4.38	4.38	
14	4.35	4.42	4.46	5.43	4.60	5.11	4.51	4.88	4.50	4.44	4.38	4.37	
15	4.35	4.42	4.48	5.08	4.62	5.16	4.56	4.78	4.49	4.44	4.38	4.37	
16	4.35	4.46	4.49	4.90	4.84	5.05	4.53	4.95	4.49	4.43	4.37	4.37	
17	4.38	4.57	4.66	4.76	4.84	4.99	5.60	4.92	4.48	4.43	4.37	4.36	
18	4.37	4.69	4.66	5.19	4.72	4.90	5.24	4.79	4.48	4.43	4.37	4.36	
19	4.44	4.55	4.55	4.78	4.67	4.84	5.03	4.78	4.48	4.43	4.37	4.36	
20	4.41	4.49	4.54	4.87	4.62	4.76	5.01	5.02	4.48	4.43	4.37	4.36	
21	4.39	4.55	4.53	4.84	4.68	4.72	5.13	4.86	4.47	4.42	4.37	4.35	
22	4.58	4.57	4.63	4.73	4.91	4.77	5.28	4.78	4.47	4.42	4.37	4.35	
23	4.48	4.53	4.73	4.84	4.85	4.80	5.05	4.72	4.47	4.42	4.37	4.35	
24	4.46	4.80	4.67	4.78	4.76	4.79	4.93	4.69	4.47	4.42	4.37	4.35	
25	4.44	4.55	4.62	4.67	4.68	4.79	4.88	4.66	4.47	4.42	4.37	4.35	
26	4.53	4.55	4.58	4.62	4.65	4.73	4.88	4.63	4.47	4.41	4.37	4.34	
27	4.47	4.68	4.54	4.59	4.63	4.70	4.83	4.61	4.47	4.41	4.37	4.34	
28	4.44	4.53	4.53	4.78	4.61	4.71	4.79	4.60	4.47	4.41	4.37	4.34	
29	4.45	4.57	4.52	4.87	4.62	4.75	4.75	4.62	4.47	4.41		4.34	
30	4.43	4.56	4.57	5.02	4.61	4.74	4.78	4.66	4.46	4.41		4.34	
31		4.54		4.81	4.60		4.74		4.46	4.41		4.34	
MEAN	4.40	4.51	4.54	4.74	4.70	4.85	4.79	4.70	4.50	4.43	4.38	4.37	
MAX	4.58	4.80	4.73	5.43	4.94	5.43	5.60	5.02	4.60	4.46	4.40	4.44	5.60
MIN	4.35	4.37	4.45	4.49	4.60	4.59	4.51	4.56	4.46	4.41	4.37	4.34	4.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.86 M (A.D), AT 17.00 HOURS, ON OCT 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 3.00 M (A.D), RIVER BED 3.66 M (A.D)
LEFT BANK ELEVATION 11.10 M (A.D)
RIGHT BANK ELEVATION 9.27 M (A.D), DRAINAGE AREA 366 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.99	1.40	2.64	4.64	4.18	6.08	4.40	2.20	0.92	0.50	0.78	
2	0.35	0.99	2.20	2.64	2.86	5.60	6.80	3.74	2.00	0.92	0.50	0.64	
3	0.35	0.57	1.50	2.00	10.90	20.36	4.18	3.30	1.90	0.92	0.50	0.57	
4	0.35	0.40	1.50	1.70	4.88	9.50	3.30	2.64	1.80	0.92	0.50	0.50	
5	0.35	0.35	1.20	1.50	3.96	6.08	2.86	2.42	1.60	0.85	0.50	0.50	
6	0.35	0.35	1.06	1.40	2.64	4.18	2.10	3.74	1.60	0.85	0.45	0.45	
7	0.30	0.35	0.92	1.20	3.74	3.08	1.90	2.42	1.50	0.85	0.45	0.45	
8	0.30	4.88	0.92	1.13	2.20	2.42	1.70	2.10	1.50	0.85	0.45	0.45	
9	0.30	1.30	0.92	1.13	5.84	2.64	1.60	2.00	1.40	0.85	0.45	0.45	
10	0.30	0.85	0.85	1.50	5.60	2.10	1.50	2.00	1.40	0.85	0.45	0.45	
11	0.30	0.71	0.99	1.40	4.88	36.25	1.50	2.00	1.30	0.78	0.45	0.40	
12	0.30	1.20	1.13	7.61	4.88	17.00	1.50	1.80	1.20	0.78	0.40	0.40	
13	0.25	0.78	0.99	5.36	3.52	24.60	1.40	2.00	1.20	0.78	0.40	0.40	
14	0.25	0.64	0.92	36.25	2.20	17.48	1.30	8.96	1.20	0.78	0.40	0.35	
15	0.25	0.64	1.06	16.20	2.64	19.88	1.80	6.32	1.13	0.78	0.40	0.35	
16	0.25	0.92	1.13	9.50	7.88	15.00	1.50	11.25	1.13	0.71	0.35	0.35	
17	0.40	1.90	3.52	5.84	7.88	12.65	50.00	10.20	1.06	0.71	0.35	0.30	
18	0.35	4.18	3.52	21.32	4.88	9.50	24.04	6.56	1.06	0.71	0.35	0.30	
19	0.78	1.70	1.70	6.32	3.74	7.88	14.20	6.32	1.06	0.71	0.35	0.30	
20	0.57	1.13	1.60	8.69	2.64	5.84	13.40	13.80	1.06	0.71	0.35	0.30	
21	0.45	1.70	1.50	7.88	3.96	4.88	18.44	8.42	0.99	0.64	0.35	0.25	
22	2.00	1.90	2.86	5.12	9.85	6.08	26.28	6.32	0.99	0.64	0.35	0.25	
23	1.06	1.50	5.12	7.88	8.15	6.80	15.00	4.88	0.99	0.64	0.35	0.25	
24	0.92	6.80	3.74	6.32	5.84	6.56	10.55	4.18	0.99	0.64	0.35	0.25	
25	0.78	1.70	2.64	3.74	3.96	6.56	8.96	3.52	0.99	0.64	0.35	0.25	
26	1.50	1.70	2.00	2.64	3.30	5.12	8.96	2.86	0.99	0.57	0.35	0.20	
27	0.99	3.96	1.60	2.10	2.86	4.40	7.61	2.42	0.99	0.57	0.35	0.20	
28	0.78	1.50	1.50	6.32	2.42	4.64	6.56	2.20	0.99	0.57	0.35	0.20	
29	0.85	1.90	1.40	8.69	2.64	5.60	5.60	2.64	0.99	0.57		0.20	
30	0.71	1.80	1.90	13.80	2.42	5.36	6.32	3.52	0.92	0.57		0.20	
31		1.60		7.07	2.20		5.36		0.92	0.57		0.20	
TOTAL	17.09	50.89	53.29	206.89	140.00	282.22	262.30	138.93	39.05	22.85	11.35	11.14	1236.00 CMSDAY
MEAN	0.57	1.64	1.78	6.67	4.52	9.41	8.46	4.63	1.26	0.74	0.41	0.36	3.39 CMS
MAX	2.00	6.80	5.12	36.25	10.90	36.25	50.00	13.80	2.20	0.92	0.50	0.78	50.00 CMS
MIN	0.25	0.35	0.85	1.13	2.20	2.10	1.30	1.80	0.92	0.57	0.35	0.20	0.20 CMS
RUNOFF	1.477	4.397	4.604	17.875	12.096	24.384	22.663	12.004	3.374	1.974	0.981	0.962	106.790 MCM

MOMENTARY PEAK 77.80 CMS, AT 5.86 M (A.D), AT 17.00 HOURS, ON OCT 17, 1985

RUNOFF YIELD 9.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 212.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

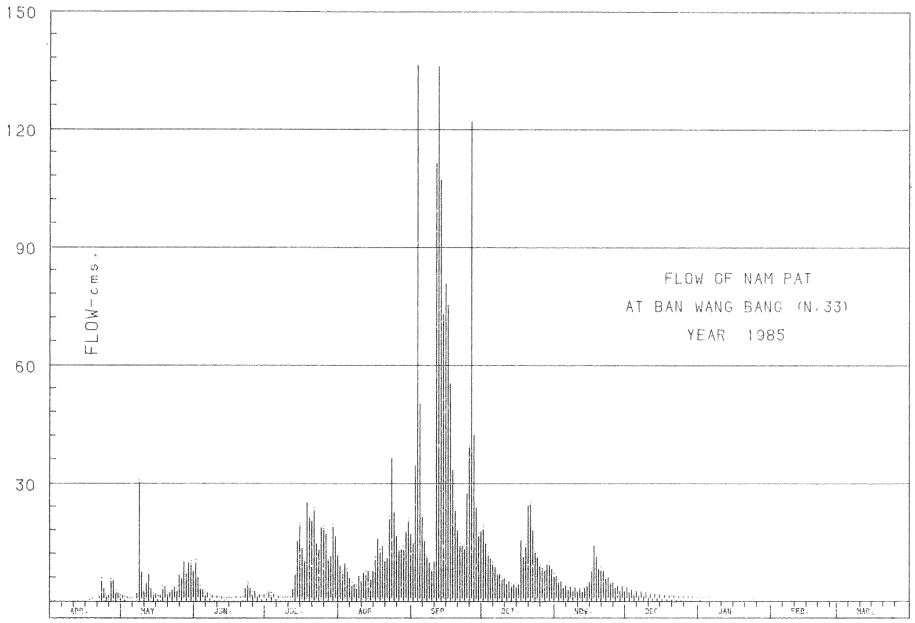
NAM PAT AT BAN WANG BANG, UTTARADIT (N.33)

LOCATION	LAT. 17-43-05 N., LONG. 100-34-32 E., ON RIGHT BANK ABOUT 4.5 KILOMETERS UPSTREAM FROM CONFLUENCE WITH NAN RIVER AT BAN WANG BANG, TAMBON SAEN TO, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	2,463 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+79.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+87.268 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 143 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	79.20	79.41	79.85	79.44	79.79	80.01	80.12	79.69	79.57	79.37	79.27	79.19	
2	79.19	79.39	79.68	79.50	79.73	80.41	79.99	79.66	79.55	79.36	79.27	79.21	
3	79.18	79.37	79.60	79.49	79.81	81.63	79.91	79.64	79.53	79.35	79.28	79.23	
4	79.18	79.35	79.54	79.44	79.76	80.66	79.86	79.61	79.51	79.35	79.28	79.24	
5	79.17	79.34	79.50	79.42	79.67	80.20	79.83	79.60	79.51	79.35	79.28	79.24	
6	79.17	79.32	79.48	79.39	79.63	80.01	79.78	79.59	79.50	79.34	79.27	79.23	
7	79.17	79.46	79.44	79.38	79.61	79.90	79.74	79.58	79.50	79.34	79.26	79.22	
8	79.16	80.35	79.41	79.37	79.61	79.82	79.71	79.57	79.49	79.34	79.26	79.22	
9	79.16	79.73	79.39	79.37	79.69	79.77	79.69	79.57	79.48	79.33	79.26	79.21	
10	79.18	79.56	79.39	79.38	79.68	79.83	79.67	79.57	79.47	79.33	79.27	79.19	
11	79.21	79.62	79.38	79.37	79.72	81.38	79.65	79.55	79.45	79.33	79.27	79.18	
12	79.20	79.74	79.37	79.54	79.74	81.62	79.64	79.56	79.44	79.33	79.26	79.20	
13	79.20	79.55	79.36	79.74	79.74	81.34	79.62	79.56	79.44	79.33	79.27	79.21	
14	79.19	79.47	79.35	80.01	79.69	80.95	79.61	79.63	79.43	79.32	79.27	79.19	
15	79.19	79.45	79.35	80.15	79.74	81.05	79.62	79.63	79.43	79.32	79.26	79.19	
16	79.18	79.41	79.35	79.95	79.88	80.98	79.61	79.77	79.42	79.32	79.27	79.19	
17	79.28	79.42	79.36	79.86	80.03	80.74	80.04	79.97	79.41	79.32	79.27	79.19	
18	79.32	79.60	79.38	80.25	79.94	80.39	79.87	79.91	79.41	79.32	79.26	79.20	
19	79.30	79.59	79.37	80.20	79.97	80.23	79.98	79.76	79.40	79.32	79.23	79.19	
20	79.33	79.49	79.37	80.16	79.87	80.10	80.24	79.78	79.40	79.31	79.21	79.17	
21	79.39	79.48	79.38	80.23	79.86	79.99	80.26	79.74	79.40	79.31	79.21	79.17	
22	79.68	79.60	79.56	79.99	80.19	79.97	80.10	79.70	79.39	79.31	79.20	79.17	
23	79.56	79.58	79.64	79.97	80.44	79.97	79.94	79.68	79.39	79.31	79.20	79.18	
24	79.46	79.58	79.56	80.12	80.22	80.29	79.87	79.66	79.38	79.30	79.19	79.19	
25	79.42	79.70	79.51	80.13	80.05	80.50	79.81	79.63	79.37	79.30	79.19	79.19	
26	79.67	79.71	79.51	80.07	79.96	81.48	79.77	79.61	79.38	79.29	79.19	79.20	
27	79.65	79.83	79.48	79.87	79.94	80.55	79.78	79.59	79.38	79.29	79.19	79.19	
28	79.53	79.75	79.43	79.88	79.97	80.23	79.80	79.57	79.38	79.29	79.19	79.20	
29	79.47	79.82	79.41	80.14	80.09	80.08	79.83	79.59	79.37	79.29		79.19	
30	79.43	79.84	79.43	80.05	80.18	80.09	79.76	79.57	79.36	79.28		79.19	
31		79.74		79.91	80.07		79.72		79.36	79.28		79.18	
MEAN	79.31	79.59	79.46	79.80	79.88	80.47	79.83	79.65	79.44	79.32	79.24	79.20	
MAX	79.68	80.35	79.85	80.25	80.44	81.63	80.26	79.97	79.57	79.37	79.28	79.24	81.63
MIN	79.16	79.32	79.35	79.37	79.61	79.77	79.61	79.55	79.36	79.28	79.19	79.17	79.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 82.58 M (MSL), AT 6.00 HOURS, ON SEP 3, 1985
ZERO GAGE AT BOTTOM ELEVATION 79.00 M (MSL), RIVER BED 78.35 M (MSL)
LEFT BANK ELEVATION 88.70 M (MSL)
RIGHT BANK ELEVATION 93.68 M (MSL), DRAINAGE AREA 2463 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	1.50	10.67	1.80	9.07	15.30	19.20	6.40	3.52	1.16	0.48	0.18	
2	0.18	1.32	6.13	2.40	7.47	34.60	14.70	5.60	3.20	1.08	0.48	0.24	
3	0.16	1.16	4.00	2.30	9.60	137.00	12.30	5.07	2.88	1.00	0.52	0.32	
4	0.16	1.00	3.04	1.80	8.27	50.20	10.93	4.27	2.56	1.00	0.52	0.36	
5	0.14	0.92	2.40	1.60	5.87	22.00	10.13	4.00	2.56	1.00	0.52	0.36	
6	0.14	0.76	2.20	1.32	4.80	15.30	8.80	3.84	2.40	0.92	0.48	0.32	
7	0.14	2.00	1.80	1.24	4.27	12.00	7.73	3.68	2.40	0.92	0.44	0.28	
8	0.12	31.00	1.50	1.16	4.27	9.87	6.93	3.52	2.30	0.92	0.44	0.28	
9	0.12	7.47	1.32	1.16	6.40	8.53	6.40	3.52	2.20	0.84	0.44	0.24	
10	0.16	3.36	1.32	1.24	6.13	10.13	5.87	3.52	2.10	0.84	0.48	0.18	
11	0.24	4.53	1.24	1.16	7.20	112.00	5.33	3.20	1.90	0.84	0.48	0.16	
12	0.20	7.73	1.16	3.04	7.73	136.00	5.07	3.36	1.80	0.84	0.44	0.20	
13	0.20	3.20	1.08	7.73	7.73	108.00	4.53	3.36	1.80	0.84	0.48	0.24	
14	0.18	2.10	1.00	15.30	6.40	73.00	4.27	4.80	1.70	0.76	0.48	0.18	
15	0.18	1.90	1.00	20.00	7.73	81.50	4.53	4.80	1.70	0.76	0.44	0.18	
16	0.16	1.50	1.00	13.50	11.47	75.40	4.27	8.53	1.60	0.76	0.48	0.18	
17	0.52	1.60	1.08	10.93	15.90	56.20	16.20	14.10	1.50	0.76	0.48	0.18	
18	0.76	4.00	1.24	25.00	13.20	33.40	11.20	12.30	1.50	0.76	0.44	0.20	
19	0.60	3.84	1.16	22.00	14.10	23.80	14.40	8.27	1.40	0.76	0.32	0.18	
20	0.84	2.30	1.16	20.40	11.20	18.00	24.40	8.80	1.40	0.68	0.24	0.14	
21	1.32	2.20	1.24	23.80	10.93	14.70	25.60	7.73	1.40	0.68	0.24	0.14	
22	6.13	4.00	3.36	14.70	21.60	14.10	18.00	6.67	1.32	0.68	0.20	0.14	
23	3.36	3.68	5.07	14.10	36.40	14.10	13.20	6.13	1.32	0.68	0.20	0.16	
24	2.00	3.68	3.36	18.80	23.20	27.40	11.20	5.60	1.24	0.60	0.18	0.18	
25	1.60	6.67	2.56	19.20	16.50	40.00	9.60	4.80	1.16	0.60	0.18	0.18	
26	5.87	6.93	2.56	17.10	13.80	122.00	8.53	4.27	1.24	0.56	0.18	0.20	
27	5.33	10.13	2.20	11.20	13.20	43.00	8.80	3.84	1.24	0.56	0.18	0.18	
28	2.88	8.00	1.70	11.47	14.10	23.80	9.33	3.52	1.24	0.56	0.18	0.20	
29	2.10	9.87	1.50	19.60	17.70	17.40	10.13	3.84	1.16	0.56		0.18	
30	1.70	10.40	1.70	16.50	21.20	17.70	8.27	3.52	1.08	0.52		0.18	
31		7.73		12.30	17.10		7.20		1.08	0.52		0.16	
TOTAL	37.69	156.48	70.75	333.85	374.54	1366.43	327.05	164.86	55.90	23.96	10.62	6.50	2928.63 CMSDAY
MEAN	1.26	5.05	2.36	10.77	12.08	45.55	10.55	5.50	1.80	0.77	0.38	0.21	8.02 CMS
MAX	6.13	31.00	10.67	25.00	36.40	137.00	25.60	14.10	3.52	1.16	0.52	0.36	137.00 CMS
MIN	0.12	0.76	1.00	1.16	4.27	8.53	4.27	3.20	1.08	0.52	0.18	0.14	0.12 CMS
RUNOFF	3.256	13.520	6.113	28.845	32.360	118.060	28.257	14.244	4.830	2.070	0.918	0.562	253.034 MCM

MOMENTARY PEAK 259.20 CMS, AT 82.58 M (MSL), AT 6.00 HOURS, ON SEP 3, 1985

RUNOFF YIELD 3.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 105.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

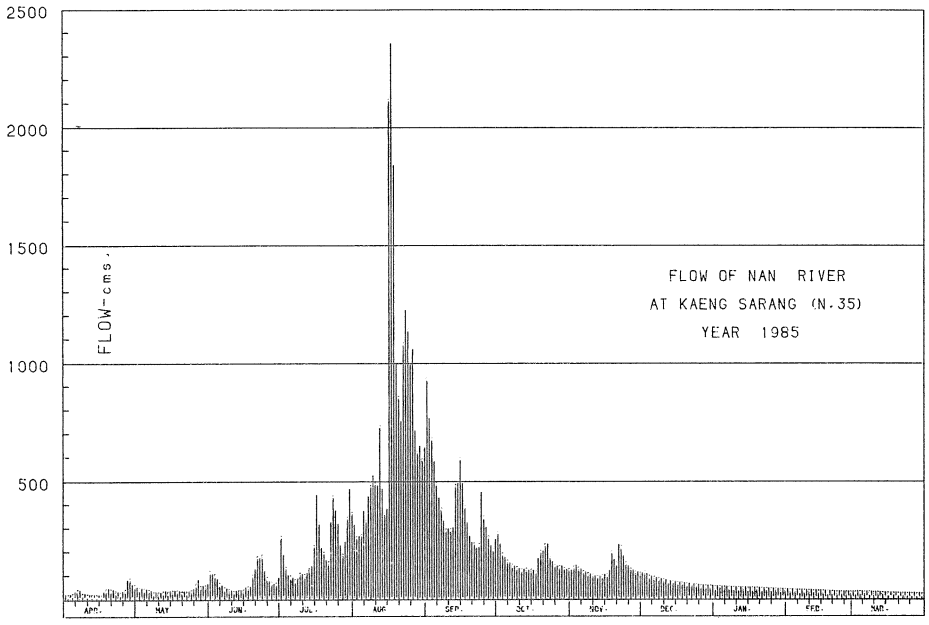
NAN RIVER AT KAENG SARANG, NAN (N.35)

LOCATION	LAT. 18-24-00 N., LONG. 100-51-05 E., ON LEFT BANK AT KAENG SARANG, BETWEEN DOI KHON KAEN AND DOI CHAM HANG, AMPHOE SA, NAN.
DRAINAGE AREA	10,335 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF METEOROLOGICAL STATION.
ELEVATION	+12.354 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	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 149 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.78	1.08	1.55	2.43	2.66	5.25	2.51	1.56	1.48	1.11	0.99	0.89	
2	0.78	1.06	1.46	2.00	2.41	4.73	2.25	1.66	1.53	1.11	0.98	0.89	
3	0.78	1.04	1.47	1.65	2.42	4.44	2.04	1.70	1.46	1.11	0.98	0.90	
4	0.82	1.03	1.32	1.42	2.46	4.02	1.93	1.64	1.41	1.10	0.97	0.90	
5	0.89	1.00	1.22	1.42	2.96	3.57	1.84	1.59	1.39	1.10	0.97	0.89	
6	0.99	0.98	1.14	1.36	2.76	3.24	1.77	1.54	1.37	1.09	0.96	0.88	
7	0.96	0.93	1.07	1.31	3.27	3.02	1.72	1.51	1.35	1.09	0.96	0.88	
8	0.83	0.88	1.03	1.33	3.51	2.75	1.68	1.48	1.34	1.09	0.96	0.88	
9	0.82	0.88	0.99	1.49	3.72	2.57	1.65	1.45	1.32	1.08	0.95	0.88	
10	0.80	0.87	0.95	1.46	3.56	2.58	1.61	1.43	1.30	1.08	0.95	0.87	
11	0.78	0.86	0.93	1.45	3.50	2.58	1.59	1.40	1.29	1.08	0.95	0.87	
12	0.78	0.90	0.93	1.49	4.62	2.60	1.59	1.39	1.27	1.07	0.94	0.87	
13	0.77	0.92	0.95	1.61	3.43	3.53	1.61	1.39	1.26	1.07	0.94	0.86	
14	0.77	0.90	0.96	1.67	2.92	3.55	1.56	1.42	1.25	1.07	0.94	0.86	
15	0.76	0.92	0.98	2.23	3.00	4.11	1.58	1.44	1.24	1.06	0.94	0.85	
16	0.75	0.94	1.07	3.31	7.81	3.55	1.56	1.46	1.23	1.06	0.93	0.85	
17	0.88	0.94	1.11	2.72	8.21	3.07	1.54	1.55	1.22	1.06	0.92	0.84	
18	1.01	0.95	1.10	2.17	7.32	2.71	1.89	2.09	1.21	1.05	0.92	0.84	
19	1.03	0.92	1.44	2.08	5.43	2.47	2.11	1.86	1.20	1.05	0.91	0.84	
20	1.00	0.91	1.60	1.85	5.03	2.29	2.10	1.78	1.19	1.05	0.91	0.84	
21	0.98	0.91	1.96	1.81	4.68	2.27	2.25	2.24	1.18	1.04	0.90	0.83	
22	0.92	0.91	1.91	2.72	5.68	2.16	2.25	2.21	1.18	1.03	0.89	0.83	
23	0.89	0.90	2.00	3.29	6.04	2.26	1.94	1.96	1.17	1.03	0.89	0.83	
24	0.87	0.95	1.55	2.97	5.84	3.36	1.80	1.78	1.16	1.02	0.89	0.83	
25	0.90	1.01	1.37	2.73	5.41	2.85	1.71	1.68	1.15	1.02	0.89	0.83	
26	0.99	1.20	1.25	2.22	5.63	2.61	1.68	1.61	1.14	1.01	0.89	0.83	
27	1.29	1.30	1.23	2.02	4.55	2.43	1.68	1.56	1.14	1.01	0.89	0.82	
28	1.34	1.12	1.18	2.30	4.21	2.22	1.68	1.52	1.13	1.00	0.89	0.82	
29	1.16	1.13	1.21	2.83	4.30	2.15	1.63	1.51	1.13	1.00		0.82	
30	1.15	1.14	1.36	3.43	4.08	2.35	1.58	1.49	1.13	1.00		0.81	
31		1.18		2.93	4.27		1.60		1.12	0.99		0.81	
MEAN	0.92	0.99	1.28	2.12	4.38	3.04	1.80	1.63	1.26	1.06	0.93	0.85	
MAX	1.34	1.30	2.00	3.43	8.21	5.25	2.51	2.24	1.53	1.11	0.99	0.90	8.21
MIN	0.75	0.86	0.93	1.31	2.41	2.15	1.54	1.39	1.12	0.99	0.89	0.81	0.75

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.24 M (A.D), AT 21.00 HOURS, ON AUG 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.83 M (A.D)
LEFT BANK ELEVATION 14.41 M (A.D)
RIGHT BANK ELEVATION 16.12 M (A.D), DRAINAGE AREA 10335 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.0	53.0	122.5	270.2	315.6	937.5	286.0	124.0	112.0	56.5	44.0	34.0	
2	23.0	51.0	109.0	190.0	266.2	769.0	234.6	139.0	119.5	56.5	43.0	34.0	
3	23.0	49.0	110.5	137.5	268.2	685.0	196.0	145.0	109.0	56.5	43.0	35.0	
4	27.0	48.0	88.0	103.0	276.1	584.2	179.5	136.0	101.5	55.0	42.0	35.0	
5	34.0	45.0	73.0	103.0	374.9	495.3	166.0	128.5	98.5	55.0	42.0	34.0	
6	44.0	43.0	61.0	94.0	335.4	430.2	155.5	121.0	95.5	54.0	41.0	33.0	
7	41.0	38.0	52.0	86.5	436.1	386.7	148.0	116.5	92.5	54.0	41.0	33.0	
8	28.0	33.0	48.0	89.5	483.5	333.4	142.0	112.0	91.0	54.0	41.0	33.0	
9	27.0	33.0	44.0	113.5	525.0	297.8	137.5	107.5	88.0	53.0	40.0	33.0	
10	25.0	32.0	40.0	109.0	493.3	299.8	131.5	104.5	85.0	53.0	40.0	32.0	
11	23.0	31.0	38.0	107.5	481.5	299.8	128.5	100.0	83.5	53.0	40.0	32.0	
12	23.0	35.0	38.0	113.5	736.0	303.7	128.5	98.5	80.5	52.0	39.0	32.0	
13	22.0	37.0	40.0	131.5	467.7	487.4	131.5	98.5	79.0	52.0	39.0	31.0	
14	22.0	35.0	41.0	140.5	367.0	491.4	124.0	103.0	77.5	52.0	39.0	31.0	
15	21.0	37.0	43.0	230.7	382.8	602.5	127.0	106.0	76.0	51.0	39.0	30.0	
16	20.0	39.0	52.0	444.0	2120.5	491.4	124.0	109.0	74.5	51.0	38.0	30.0	
17	33.0	39.0	56.5	327.5	2356.0	396.6	121.0	122.5	73.0	51.0	37.0	29.0	
18	46.0	40.0	55.0	218.8	1851.0	325.5	173.5	203.5	71.5	50.0	37.0	29.0	
19	48.0	37.0	106.0	202.0	1000.5	278.1	207.0	169.0	70.0	50.0	36.0	29.0	
20	45.0	36.0	130.0	167.5	860.5	242.5	205.0	157.0	68.5	50.0	36.0	29.0	
21	43.0	36.0	184.0	161.5	754.0	238.6	234.6	232.7	67.0	49.0	35.0	28.0	
22	37.0	36.0	176.5	327.5	1088.0	216.9	234.6	226.7	67.0	48.0	34.0	28.0	
23	34.0	35.0	190.0	440.0	1226.0	236.6	181.0	184.0	65.5	48.0	34.0	28.0	
24	32.0	40.0	122.5	376.8	1146.0	453.8	160.0	157.0	64.0	47.0	34.0	28.0	
25	35.0	46.0	95.5	329.4	993.5	353.1	146.5	142.0	62.5	47.0	34.0	28.0	
26	44.0	70.0	77.5	228.7	1070.5	305.7	142.0	131.5	61.0	46.0	34.0	28.0	
27	83.5	85.0	74.5	193.0	715.0	270.2	142.0	124.0	61.0	46.0	34.0	27.0	
28	91.0	58.0	67.0	244.5	627.5	228.7	142.0	118.0	59.5	45.0	34.0	27.0	
29	64.0	59.5	71.5	349.2	650.0	214.9	134.5	116.5	59.5	45.0		27.0	
30	62.5	61.0	94.0	467.7	596.1	254.4	127.0	113.5	59.5	45.0		26.0	
31		67.0		368.9	642.5		130.0		58.0	44.0		26.0	
TOTAL	1124.0	1384.5	2500.5	6866.9	23906.9	11910.7	5020.8	4046.9	2431.0	1569.5	1070.0	939.0	62770.7 CMSDAY
MEAN	37.5	44.7	83.3	221.5	771.2	397.0	162.0	134.9	78.4	50.6	38.2	30.3	172.0 CMS
MAX	91.0	85.0	190.0	467.7	2356.0	937.5	286.0	232.7	119.5	56.5	44.0	35.0	2356.0 CMS
MIN	20.0	31.0	38.0	86.5	266.2	214.9	121.0	98.5	58.0	44.0	34.0	26.0	20.0 CMS
RUNOFF	97.11	119.62	216.04	593.30	2065.56	1029.08	433.80	349.65	210.04	135.60	92.45	81.13	5423.39 MCM

MOMENTARY PEAK 2374.00 CMS, AT 8.24 M (A.D), AT 21.00 HOURS, ON AUG 17, 1985
RUNOFF YIELD 16.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 229.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

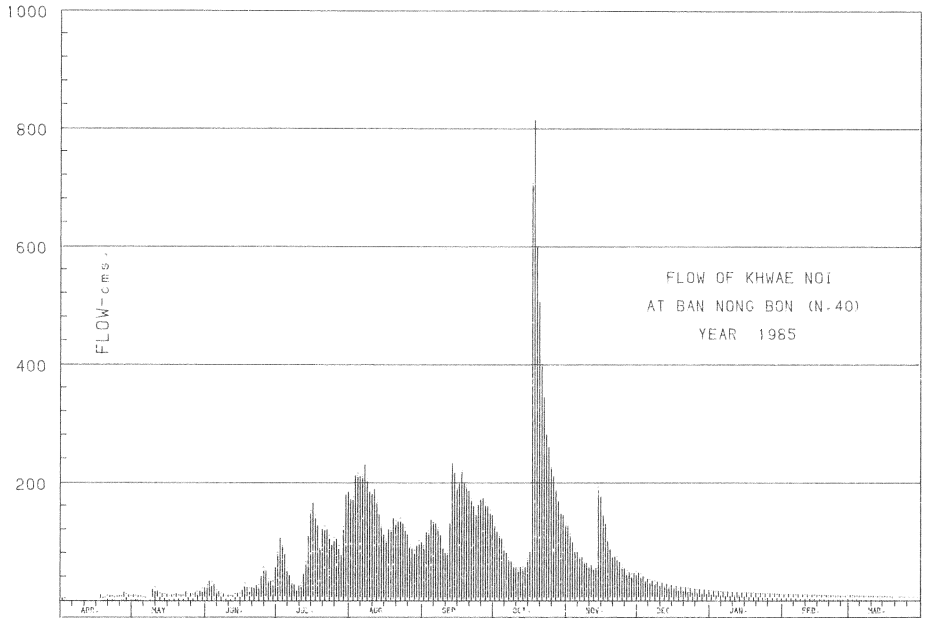
KHWAE NOI RIVER AT BAN NONG BON, PHITSANULOK (N.40)

LOCATION	LAT. 17-13-14 N., LONG. 100-21-10 E., ON LEFT BANK ABOUT 2 KILOMETERS UPSTREAM FROM BAN NONG BON, AMPHOE WAT BOT, PHITSANULOK.
DRAINAGE AREA	4,340 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ABOUT 4 METERS SOUTH OF THE GAGE SITE, B.M.2 ABOUT 90 METERS SOUTH OF THE GAGE SITE.
ELEVATION	B.M.1=+14.45 M. (A.D.), B.M.2=+14.40 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	1967 - 1968, 1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 72 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.88	1.61	3.13	4.96	3.42	4.18	4.12	2.24	1.24	0.95	0.87	
2	0.62	0.87	1.78	3.70	5.05	3.90	3.91	3.84	2.18	1.23	0.95	0.83	
3	0.64	0.83	1.75	3.51	5.63	3.95	3.84	3.54	2.05	1.21	0.94	0.81	
4	0.62	0.78	1.60	3.04	5.70	4.32	3.68	3.28	1.97	1.20	0.94	0.82	
5	0.64	0.73	1.29	2.47	5.61	4.32	3.35	3.13	1.90	1.17	0.93	0.82	
6	0.62	0.70	1.17	2.10	5.67	4.20	3.10	3.00	1.87	1.15	0.93	0.81	
7	0.61	0.68	1.05	1.77	5.93	4.07	2.89	2.91	1.80	1.14	0.92	0.81	
8	0.61	0.78	0.96	1.56	5.53	3.79	2.73	2.81	1.78	1.14	0.91	0.80	
9	0.60	1.31	0.89	1.46	5.17	3.43	2.60	2.68	1.74	1.13	0.91	0.80	
10	0.60	1.45	0.86	1.50	5.21	3.09	2.49	2.63	1.72	1.12	0.90	0.79	
11	0.60	1.20	0.85	1.68	5.25	3.18	2.46	2.57	1.68	1.11	0.89	0.79	
12	0.60	1.06	0.85	2.17	4.95	4.19	2.50	2.54	1.64	1.10	0.89	0.78	
13	0.58	1.00	1.01	2.74	4.50	6.03	2.50	2.46	1.61	1.09	0.88	0.78	
14	0.57	0.97	1.04	3.77	4.16	5.71	2.49	5.31	1.58	1.08	0.88	0.79	
15	0.57	0.95	1.06	4.64	3.82	5.33	2.88	5.04	1.55	1.08	0.87	0.77	
16	0.56	0.85	1.26	4.86	3.66	5.40	3.14	4.59	1.52	1.07	0.87	0.76	
17	0.89	0.90	1.68	4.48	3.99	5.79	10.39	4.18	1.49	1.06	0.86	0.75	
18	0.67	0.90	1.42	4.13	4.05	5.40	10.99	3.70	1.47	1.05	0.86	0.74	
19	0.74	1.00	1.40	3.37	4.37	5.37	9.75	3.25	1.45	1.05	0.85	0.73	
20	0.87	0.90	1.40	4.00	4.28	5.20	9.06	3.05	1.43	1.04	0.84	0.73	
21	0.83	0.89	1.63	4.11	4.26	4.99	8.17	2.94	1.41	1.03	0.84	0.72	
22	0.79	0.88	1.52	3.98	4.38	4.77	7.50	2.95	1.39	1.03	0.83	0.72	
23	0.74	1.14	1.58	3.80	4.18	4.56	6.74	2.71	1.37	1.02	0.82	0.72	
24	0.78	1.03	2.04	3.43	4.07	4.80	6.35	2.59	1.34	1.00	0.82	0.71	
25	0.84	1.00	2.50	3.73	3.82	5.05	5.92	2.45	1.32	1.00	0.81	0.71	
26	0.82	0.96	2.34	3.67	3.47	5.00	5.61	2.34	1.31	0.99	0.81	0.70	
27	1.11	1.09	1.91	3.41	3.28	4.87	5.28	2.26	1.30	0.98	0.80	0.70	
28	0.97	1.21	1.78	2.99	3.21	4.77	4.90	2.20	1.29	0.98	0.88	0.69	
29	0.86	1.19	1.78	4.09	3.40	4.65	4.64	2.21	1.28	0.97		0.69	
30	0.83	1.40	2.49	5.09	3.62	4.48	4.47	2.32	1.27	0.96		0.68	
31		1.40		5.28	3.54		4.21		1.25	0.96		0.68	
MEAN	0.71	1.00	1.48	3.34	4.47	4.60	4.93	3.12	1.59	1.08	0.88	0.76	
MAX	1.11	1.45	2.50	5.28	5.93	6.03	10.99	5.31	2.24	1.24	0.95	0.87	10.99
MIN	0.56	0.68	0.85	1.46	3.21	3.09	2.46	2.20	1.25	0.96	0.80	0.68	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.73 M (A.D), AT 17.00 HOURS, ON OCT 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.29 M (A.D)
LEFT BANK ELEVATION 14.49 M (A.D)
RIGHT BANK ELEVATION 14.60 M (A.D), DRAINAGE AREA 4340 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.60	9.60	28.30	82.20	171.60	93.80	130.00	127.00	47.20	17.20	11.00	9.40	
2	4.40	9.40	33.40	106.00	177.00	116.00	116.50	113.00	45.40	16.90	11.00	8.60	
3	4.80	8.60	32.50	97.40	211.80	118.50	113.00	98.60	41.50	16.30	10.80	8.20	
4	4.40	7.60	28.00	78.60	216.00	137.00	105.00	88.20	39.10	16.00	10.80	8.40	
5	4.80	6.60	18.70	55.80	210.60	137.00	91.00	82.20	37.00	15.40	10.60	8.40	
6	4.40	6.00	15.40	43.00	214.20	131.00	81.00	77.00	36.10	15.00	10.60	8.20	
7	4.20	5.60	13.00	33.10	230.10	124.50	72.60	73.40	34.00	14.80	10.40	8.20	
8	4.20	7.60	11.20	26.80	205.80	110.50	66.20	69.40	33.40	14.80	10.20	8.00	
9	4.00	19.30	9.80	23.80	184.20	94.20	61.00	64.20	32.20	14.60	10.20	8.00	
10	4.00	23.50	9.20	25.00	186.60	80.60	56.60	62.20	31.60	14.40	10.00	7.80	
11	4.00	16.00	9.00	30.40	189.00	84.20	55.40	59.80	30.40	14.20	9.80	7.80	
12	4.00	13.20	9.00	45.10	171.00	130.50	57.00	58.60	29.20	14.00	9.80	7.60	
13	3.60	12.00	12.20	66.60	146.00	237.10	57.00	55.40	28.30	13.80	9.60	7.60	
14	3.40	11.40	12.80	109.50	129.00	216.60	56.60	192.60	27.40	13.60	9.60	7.80	
15	3.40	11.00	13.20	153.00	112.00	193.80	72.20	176.40	26.50	13.60	9.40	7.40	
16	3.20	9.00	17.80	165.60	104.00	198.00	82.60	150.50	25.60	13.40	9.40	7.20	
17	9.80	10.00	30.40	145.00	120.50	221.40	707.30	130.00	24.70	13.20	9.20	7.00	
18	5.40	10.00	22.60	127.50	123.50	198.00	814.20	106.00	24.10	13.00	9.20	6.80	
19	6.80	12.00	22.00	91.80	139.50	196.20	604.50	87.00	23.50	13.00	9.00	6.60	
20	9.40	10.00	22.00	121.00	135.00	186.00	505.80	79.00	22.90	12.80	8.80	6.60	
21	8.60	9.80	28.90	126.50	134.00	173.40	403.00	74.60	22.30	12.60	8.80	6.40	
22	7.80	9.60	25.60	120.00	140.00	160.20	345.00	75.00	21.70	12.60	8.60	6.40	
23	6.80	14.80	27.40	111.00	130.00	149.00	286.80	65.40	21.10	12.40	8.40	6.40	
24	7.60	12.60	41.20	94.20	124.50	162.00	259.50	60.60	20.20	12.00	8.40	6.20	
25	8.80	12.00	57.00	107.50	112.00	177.00	229.40	55.00	19.60	12.00	8.20	6.20	
26	8.40	11.20	50.60	104.50	95.80	174.00	210.60	50.60	19.30	11.80	8.20	6.00	
27	14.20	13.80	37.30	93.40	88.20	166.20	190.80	47.80	19.00	11.60	8.00	6.00	
28	11.40	16.30	33.40	76.60	85.40	160.20	168.00	46.00	18.70	11.60	9.60	5.80	
29	9.20	15.80	33.40	125.50	93.00	152.50	153.00	46.30	18.40	11.40		5.80	
30	8.60	22.00	56.60	179.40	102.00	145.00	144.50	49.90	18.10	11.20		5.60	
31		22.00		190.80	98.60		131.50		17.50	11.20		5.60	
TOTAL	188.20	378.30	761.90	2956.60	4580.90	4625.40	6427.60	2521.60	956.00	420.40	267.60	222.00	24206.50 CMSDAY
MEAN	6.27	12.20	25.40	95.37	147.77	154.18	207.34	84.05	27.61	13.56	9.56	7.16	66.32 CMS
MAX	14.20	23.50	57.00	190.80	230.10	237.10	814.20	192.60	47.20	17.20	11.00	9.40	814.20 CMS
MIN	3.20	5.60	9.00	23.80	85.40	80.60	55.40	46.00	17.50	11.20	8.00	5.60	3.20 CMS
RUNOFF	16.260	32.685	65.828	255.450	395.790	399.635	555.345	217.866	73.958	36.323	23.121	19.181	2091.442 MCM

MOMENTARY PEAK 952.87 CMS, AT 11.73 M (A.D), AT 17.00 HOURS, ON OCT 17, 1995
RUNOFF YIELD 15.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 219.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

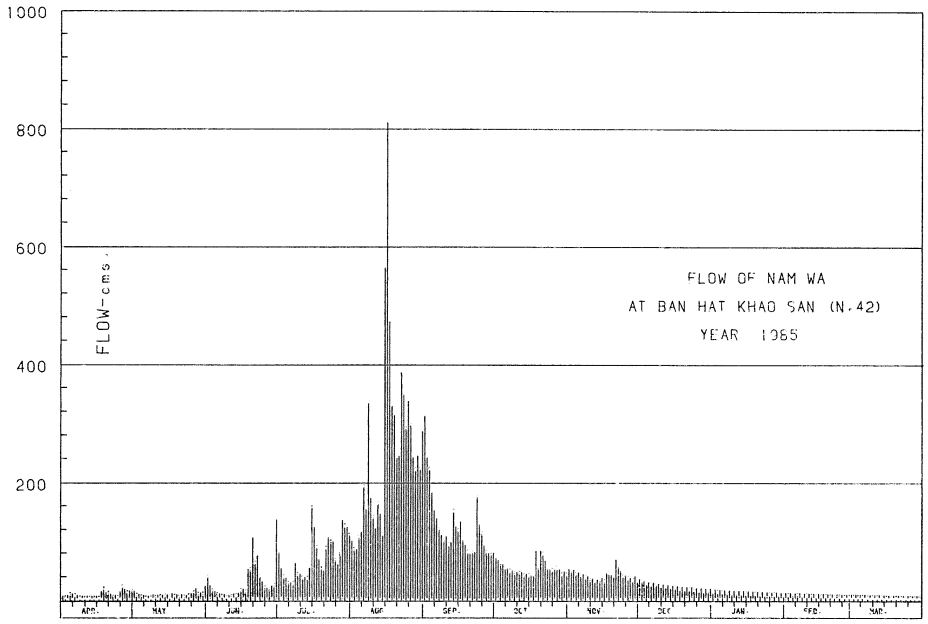
NAM WA AT BAN HAT KHAO SAN, NAN (N.42)

LOCATION	LAT. 18-34-08 N., LONG. 100-52-28 E., ON RIGHT BANK AT BAN HAT KHAO SAN, TAMBON LAI NAN, AMPHOE SA, NAN.
DRAINAGE AREA	2,107 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	TOP OF THE GAGE SITE.
ELEVATION	+11.892 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	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 154 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.50	1.67	2.01	2.45	2.61	4.36	2.43	2.19	2.02	1.84	1.76	1.71	
2	1.51	1.61	1.81	2.13	2.50	3.85	2.34	2.19	2.02	1.84	1.76	1.71	
3	1.52	1.57	1.73	2.01	2.47	3.73	2.31	2.18	1.99	1.83	1.76	1.72	
4	1.63	1.55	1.66	1.96	2.70	3.38	2.27	2.14	1.98	1.83	1.75	1.71	
5	1.58	1.53	1.63	1.89	2.76	3.16	2.24	2.13	1.97	1.83	1.75	1.71	
6	1.59	1.51	1.59	1.86	3.50	2.99	2.20	2.12	1.96	1.82	1.75	1.71	
7	1.53	1.50	1.58	1.89	3.13	2.84	2.19	2.10	1.96	1.82	1.75	1.71	
8	1.51	1.51	1.56	2.23	4.49	2.73	2.17	2.08	1.95	1.82	1.75	1.70	
9	1.50	1.55	1.54	2.06	3.31	2.68	2.15	2.07	1.94	1.81	1.74	1.70	
10	1.50	1.54	1.53	2.03	3.04	2.71	2.14	2.04	1.94	1.81	1.74	1.70	
11	1.50	1.54	1.55	2.00	2.82	2.61	2.15	2.03	1.93	1.81	1.74	1.70	
12	1.50	1.56	1.59	1.97	3.26	2.62	2.14	2.02	1.93	1.81	1.74	1.70	
13	1.50	1.54	1.60	1.99	3.06	3.13	2.11	2.01	1.92	1.81	1.74	1.70	
14	1.50	1.59	1.61	2.14	2.75	2.86	2.11	2.03	1.92	1.81	1.73	1.69	
15	1.50	1.55	1.74	3.19	5.69	2.83	2.11	2.04	1.91	1.80	1.73	1.69	
16	1.50	1.53	1.73	2.84	6.83	2.94	2.08	2.01	1.91	1.80	1.73	1.68	
17	1.66	1.60	1.70	2.53	5.24	2.68	2.13	2.12	1.90	1.80	1.73	1.68	
18	1.78	1.58	2.12	2.29	4.46	2.58	2.49	2.16	1.89	1.80	1.73	1.68	
19	1.63	1.55	2.15	2.16	4.34	2.50	2.24	2.09	1.89	1.79	1.72	1.68	
20	1.67	1.54	2.67	2.09	3.87	2.44	2.49	2.11	1.88	1.79	1.72	1.67	
21	1.57	1.55	2.26	2.52	3.87	2.49	2.47	2.35	1.88	1.79	1.72	1.67	
22	1.54	1.54	2.36	2.67	4.79	2.47	2.33	2.26	1.88	1.79	1.72	1.67	
23	1.53	1.53	2.02	2.63	4.55	3.35	2.24	2.16	1.88	1.78	1.72	1.67	
24	1.53	1.59	1.89	2.60	4.21	2.89	2.19	2.11	1.87	1.78	1.72	1.67	
25	1.65	1.59	1.80	2.31	4.49	2.78	2.20	2.08	1.86	1.78	1.71	1.67	
26	1.83	1.68	1.75	2.20	4.25	2.57	2.18	2.06	1.86	1.77	1.71	1.66	
27	1.72	1.74	1.78	2.42	3.85	2.50	2.24	2.04	1.86	1.77	1.71	1.66	
28	1.68	1.64	1.80	2.96	3.72	2.45	2.19	2.03	1.85	1.77	1.71	1.66	
29	1.68	1.62	1.85	2.90	3.87	2.45	2.14	2.07	1.85	1.77		1.66	
30	1.71	1.65	2.97	2.84	3.73	2.46	2.15	2.03	1.85	1.76		1.66	
31		1.80		2.74	4.16		2.13		1.85	1.76		1.65	
MEAN	1.59	1.58	1.85	2.34	3.82	2.87	2.22	2.10	1.91	1.80	1.73	1.69	
MAX	1.83	1.80	2.97	3.19	6.83	4.36	2.49	2.35	2.02	1.84	1.76	1.72	6.83
MIN	1.50	1.50	1.53	1.86	2.47	2.44	2.08	2.01	1.85	1.76	1.71	1.65	1.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.55 M (A.D), AT 21.00 HOURS, ON AUG 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.56 M (A.D)
LEFT BANK ELEVATION 12.72 M (A.D)
RIGHT BANK ELEVATION 11.29 M (A.D), DRAINAGE AREA 2107 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.50	16.85	43.90	85.50	101.50	317.60	78.65	54.00	37.00	19.60	13.60	10.60	
2	8.95	13.55	26.35	54.85	90.50	243.00	69.20	54.00	37.00	19.60	13.60	10.60	
3	9.40	11.65	20.60	43.90	87.50	226.67	66.05	53.00	34.00	18.70	13.60	11.20	
4	14.65	10.75	16.30	39.40	110.50	182.80	62.00	49.00	33.00	18.70	13.00	10.60	
5	12.10	9.85	14.65	33.15	116.50	158.60	59.00	48.00	32.00	18.70	13.00	10.60	
6	12.55	8.95	12.55	30.60	196.00	139.90	55.00	47.00	31.00	17.80	13.00	10.60	
7	9.85	8.50	12.10	33.15	154.65	123.40	54.00	45.00	31.00	17.80	13.00	10.60	
8	8.95	8.95	11.20	64.35	338.40	111.30	52.00	43.00	30.00	17.80	13.00	10.00	
9	8.50	10.75	10.30	48.40	174.10	105.80	50.00	42.00	29.00	16.90	12.40	10.00	
10	8.50	10.30	9.85	45.70	145.20	109.10	49.00	39.00	29.00	16.90	12.40	10.00	
11	8.50	10.30	10.75	43.00	122.50	98.10	50.00	38.00	28.00	16.90	12.40	10.00	
12	8.50	11.20	12.55	40.30	168.60	99.20	49.00	37.00	28.00	16.90	12.40	10.00	
13	8.50	10.30	13.00	42.10	147.30	155.30	46.00	36.00	27.00	16.90	12.40	10.00	
14	8.50	12.55	13.55	55.80	115.50	125.60	46.00	38.00	27.00	16.90	11.80	9.60	
15	8.50	10.75	21.30	160.95	564.22	122.30	46.00	39.00	26.00	16.00	11.80	9.60	
16	8.50	9.85	20.60	124.50	815.90	134.40	43.00	36.00	26.00	16.00	11.80	9.20	
17	16.30	13.00	18.50	93.50	473.20	105.80	48.00	47.00	25.00	16.00	11.80	9.20	
18	24.10	12.10	53.90	70.05	333.60	94.80	84.95	51.00	24.10	16.00	11.80	9.20	
19	14.65	10.75	56.75	57.70	314.40	86.00	59.00	44.00	24.10	15.40	11.20	9.20	
20	16.85	10.30	107.50	51.10	245.80	79.70	84.95	46.00	23.20	15.40	11.20	8.80	
21	11.65	10.75	67.20	92.50	245.80	84.95	82.85	70.25	23.20	15.40	11.20	8.80	
22	10.30	10.30	76.70	107.50	392.20	82.85	68.15	61.00	23.20	15.40	11.20	8.80	
23	9.85	9.85	44.80	103.50	349.00	179.50	59.00	51.00	23.20	14.80	11.20	8.80	
24	9.85	12.55	33.15	100.50	294.50	128.90	54.00	46.00	22.30	14.80	11.20	8.80	
25	15.75	12.55	25.50	71.95	338.40	116.80	55.00	43.00	21.40	14.80	10.60	8.80	
26	28.05	17.40	22.00	61.50	300.50	93.70	53.00	41.00	21.40	14.20	10.60	8.40	
27	19.90	21.30	24.10	82.50	243.00	86.00	59.00	39.00	21.40	14.20	10.60	8.40	
28	17.40	15.20	25.50	136.80	224.80	80.75	54.00	38.00	20.50	14.20	10.60	8.40	
29	17.40	14.10	29.75	130.50	245.80	80.75	49.00	42.00	20.50	14.20		8.40	
30	19.20	15.75	137.85	124.50	226.20	81.80	50.00	38.00	20.50	13.60		8.40	
31		25.50		114.50	287.00		48.00		20.50	13.60		8.00	
TOTAL	384.20	386.45	992.75	2344.25	7963.07	3835.37	1783.80	1355.25	819.50	504.10	336.40	293.60	20998.74 CMSDAY
MEAN	12.81	12.47	33.09	75.62	256.87	127.85	57.54	45.17	26.44	16.26	12.01	9.47	57.53 CMS
MAX	28.05	25.50	137.85	160.95	815.90	317.60	84.95	70.25	37.00	19.60	13.60	11.20	815.90 CMS
MIN	8.50	8.50	9.85	30.60	87.50	79.70	43.00	36.00	20.50	13.60	10.60	8.00	8.00 CMS
RUNOFF	33.195	33.389	85.774	202.543	688.009	331.376	154.120	117.094	70.805	43.554	29.065	25.367	1814.291 MCM

MOMENTARY PEAK 1264.00 CMS, AT 8.55 M (A.D), AT 21.00 HOURS, ON AUG 15, 1985

RUNOFF YIELD 27.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 599.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

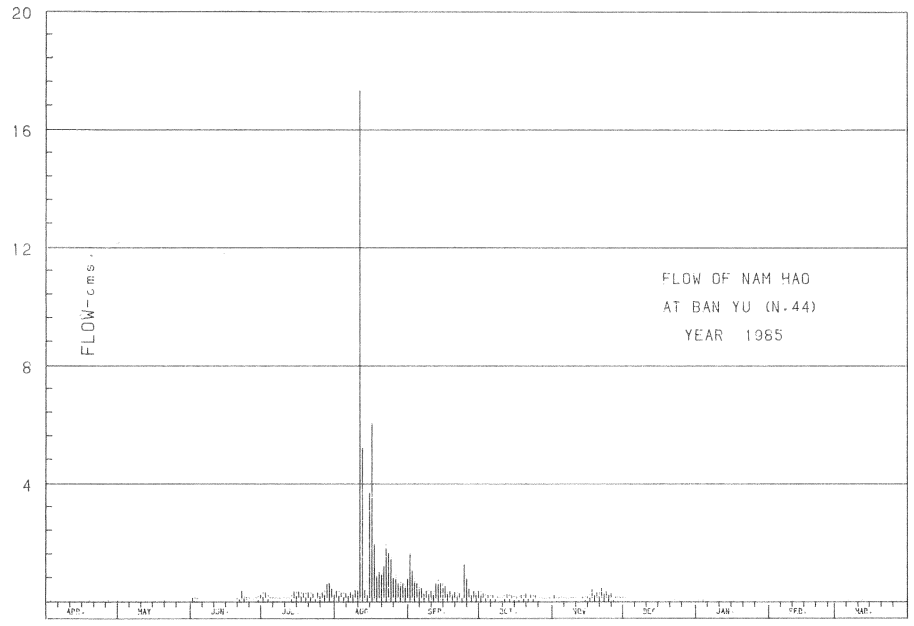
NAM HAO AT BAN NA PHUAK, NAN (N.44)

LOCATION	LAT. 19-05-06 N., LONG. 100-50-59 E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE, ALONG THA WANG PHA-SILA PHET ROAD AT BAN NA PHUAK, TAMBON YOM, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	41 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 50 METERS FROM THE GAGE SITE.
ELEVATION	+6.752 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. NO RECORDS ON SEP.7-25,1984. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	0.25	0.45	0.50	0.54	0.86	0.53	0.44	0.38	0.31	0.28	0.28	
2	0.23	0.25	0.39	0.51	0.53	0.75	0.48	0.40	0.38	0.30	0.29	0.28	
3	0.23	0.24	0.37	0.45	0.50	0.69	0.46	0.40	0.37	0.30	0.29	0.27	
4	0.23	0.25	0.36	0.40	0.49	0.65	0.44	0.40	0.37	0.30	0.29	0.27	
5	0.23	0.25	0.35	0.39	0.48	0.63	0.44	0.39	0.37	0.30	0.29	0.27	
6	0.23	0.24	0.34	0.39	0.52	0.60	0.44	0.38	0.37	0.30	0.28	0.26	
7	0.23	0.24	0.32	0.38	0.51	0.57	0.43	0.38	0.37	0.31	0.28	0.27	
8	0.23	0.24	0.32	0.38	0.55	0.54	0.41	0.39	0.36	0.32	0.27	0.26	
9	0.23	0.25	0.30	0.38	0.55	0.55	0.39	0.39	0.35	0.29	0.26	0.26	
10	0.23	0.25	0.29	0.38	0.62	0.54	0.39	0.38	0.34	0.27	0.26	0.26	
11	0.23	0.25	0.29	0.38	1.77	0.54	0.44	0.37	0.33	0.28	0.26	0.26	
12	0.23	0.24	0.29	0.38	1.22	0.65	0.46	0.37	0.34	0.30	0.27	0.26	
13	0.23	0.24	0.28	0.44	0.55	0.68	0.45	0.40	0.34	0.28	0.28	0.27	
14	0.23	0.25	0.28	0.52	0.54	0.65	0.44	0.42	0.35	0.29	0.28	0.27	
15	0.23	0.25	0.29	0.52	1.08	0.64	0.42	0.41	0.34	0.30	0.28	0.25	
16	0.23	0.24	0.29	0.52	1.28	0.62	0.41	0.47	0.32	0.30	0.28	0.25	
17	0.23	0.25	0.29	0.51	0.89	0.56	0.42	0.57	0.31	0.30	0.28	0.25	
18	0.23	0.25	0.29	0.49	0.73	0.53	0.44	0.53	0.30	0.30	0.27	0.25	
19	0.22	0.26	0.30	0.49	0.74	0.53	0.45	0.50	0.29	0.29	0.26	0.25	
20	0.22	0.26	0.37	0.50	0.75	0.51	0.47	0.51	0.31	0.29	0.26	0.25	
21	0.22	0.27	0.44	0.50	0.78	0.50	0.45	0.60	0.32	0.26	0.26	0.26	
22	0.22	0.26	0.54	0.47	0.89	0.48	0.45	0.57	0.32	0.26	0.26	0.26	
23	0.23	0.26	0.46	0.45	0.85	0.47	0.45	0.52	0.31	0.26	0.26	0.25	
24	0.23	0.28	0.40	0.50	0.84	0.79	0.43	0.54	0.31	0.26	0.26	0.22	
25	0.23	0.27	0.38	0.52	0.70	0.72	0.39	0.48	0.29	0.25	0.26	0.21	
26	0.27	0.26	0.35	0.50	0.72	0.59	0.38	0.42	0.29	0.26	0.27	0.21	
27	0.26	0.26	0.35	0.54	0.65	0.54	0.38	0.41	0.29	0.26	0.26	0.21	
28	0.25	0.26	0.40	0.64	0.66	0.53	0.39	0.40	0.29	0.26	0.26	0.21	
29	0.25	0.27	0.42	0.69	0.65	0.54	0.39	0.40	0.30	0.26		0.21	
30	0.25	0.28	0.45	0.59	0.64	0.54	0.39	0.39	0.30	0.27		0.21	
31		0.30		0.55	0.69		0.38		0.31	0.27		0.21	
MEAN	0.23	0.26	0.36	0.48	0.74	0.60	0.43	0.44	0.33	0.28	0.27	0.25	
MAX	0.27	0.30	0.54	0.69	1.77	0.86	0.53	0.60	0.38	0.32	0.29	0.28	1.77
MIN	0.22	0.24	0.28	0.38	0.48	0.47	0.38	0.37	0.29	0.25	0.26	0.21	0.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.85 M (A.D), AT 6.00 HOURS, ON AUG 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.03 M (A.D)
LEFT BANK ELEVATION 4.70 M (A.D)
RIGHT BANK ELEVATION 4.80 M (A.D), DRAINAGE AREA 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.03	0.22	0.30	0.36	1.72	0.34	0.21	0.13	0.06	0.04	0.04	
2	0.03	0.03	0.14	0.31	0.34	1.05	0.27	0.15	0.13	0.05	0.05	0.04	
3	0.03	0.03	0.12	0.22	0.30	0.77	0.24	0.15	0.12	0.05	0.05	0.04	
4	0.03	0.03	0.11	0.15	0.29	0.62	0.21	0.15	0.12	0.05	0.05	0.04	
5	0.03	0.03	0.10	0.14	0.27	0.55	0.21	0.14	0.12	0.05	0.05	0.04	
6	0.03	0.03	0.09	0.14	0.33	0.45	0.21	0.13	0.12	0.05	0.04	0.04	
7	0.03	0.03	0.07	0.13	0.31	0.40	0.20	0.13	0.12	0.06	0.04	0.04	
8	0.03	0.03	0.07	0.13	0.38	0.36	0.16	0.14	0.11	0.07	0.04	0.04	
9	0.03	0.03	0.05	0.13	0.38	0.38	0.14	0.14	0.10	0.05	0.04	0.04	
10	0.03	0.03	0.05	0.13	0.52	0.36	0.14	0.13	0.09	0.04	0.04	0.04	
11	0.03	0.03	0.05	0.13	17.31	0.36	0.21	0.12	0.08	0.04	0.04	0.04	
12	0.03	0.03	0.05	0.13	5.28	0.62	0.24	0.12	0.09	0.05	0.04	0.04	
13	0.03	0.03	0.04	0.21	0.38	0.73	0.22	0.15	0.09	0.04	0.04	0.04	
14	0.03	0.03	0.04	0.33	0.36	0.62	0.21	0.18	0.10	0.05	0.04	0.04	
15	0.03	0.03	0.05	0.33	3.68	0.59	0.18	0.16	0.09	0.05	0.04	0.03	
16	0.03	0.03	0.05	0.33	6.12	0.52	0.16	0.26	0.07	0.05	0.04	0.03	
17	0.03	0.03	0.05	0.31	1.93	0.39	0.18	0.40	0.06	0.05	0.04	0.03	
18	0.03	0.03	0.05	0.29	0.95	0.34	0.21	0.34	0.05	0.05	0.04	0.03	
19	0.03	0.04	0.05	0.29	1.00	0.34	0.22	0.30	0.05	0.05	0.04	0.03	
20	0.03	0.04	0.12	0.30	1.05	0.31	0.26	0.31	0.06	0.05	0.04	0.03	
21	0.03	0.04	0.21	0.30	1.20	0.30	0.22	0.45	0.07	0.04	0.04	0.04	
22	0.03	0.04	0.36	0.26	1.93	0.27	0.22	0.40	0.07	0.04	0.04	0.04	
23	0.03	0.04	0.24	0.22	1.65	0.26	0.22	0.33	0.06	0.04	0.04	0.03	
24	0.03	0.04	0.15	0.30	1.58	1.25	0.20	0.36	0.06	0.04	0.04	0.03	
25	0.03	0.04	0.13	0.33	0.80	0.90	0.14	0.27	0.05	0.03	0.04	0.02	
26	0.04	0.04	0.10	0.30	0.90	0.43	0.13	0.18	0.05	0.04	0.04	0.02	
27	0.04	0.04	0.10	0.36	0.62	0.36	0.13	0.16	0.05	0.04	0.04	0.02	
28	0.03	0.04	0.15	0.59	0.66	0.34	0.14	0.15	0.05	0.04	0.04	0.02	
29	0.03	0.04	0.18	0.77	0.62	0.36	0.14	0.15	0.05	0.04		0.02	
30	0.03	0.04	0.22	0.43	0.59	0.36	0.14	0.14	0.05	0.04		0.02	
31		0.05		0.38	0.77		0.13		0.06	0.04		0.02	
TOTAL	0.92	1.07	3.41	8.67	52.86	16.31	6.02	6.40	2.52	1.44	1.16	1.02	101.80 CMSDAY
MEAN	0.03	0.03	0.11	0.28	1.71	0.54	0.19	0.21	0.08	0.05	0.04	0.03	0.28 CMS
MAX	0.04	0.05	0.36	0.77	17.31	1.72	0.34	0.45	0.13	0.07	0.05	0.04	17.31 CMS
MIN	0.03	0.03	0.04	0.13	0.27	0.26	0.13	0.12	0.05	0.03	0.04	0.02	0.02 CMS
RUNOFF	0.079	0.092	0.295	0.749	4.567	1.409	0.520	0.553	0.218	0.124	0.100	0.088	8.796 MCM

MOMENTARY PEAK 20.10 CMS, AT 1.85 M (A.D), AT 6.00 HOURS, ON AUG 11, 1985

RUNOFF YIELD 6.80 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 490.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

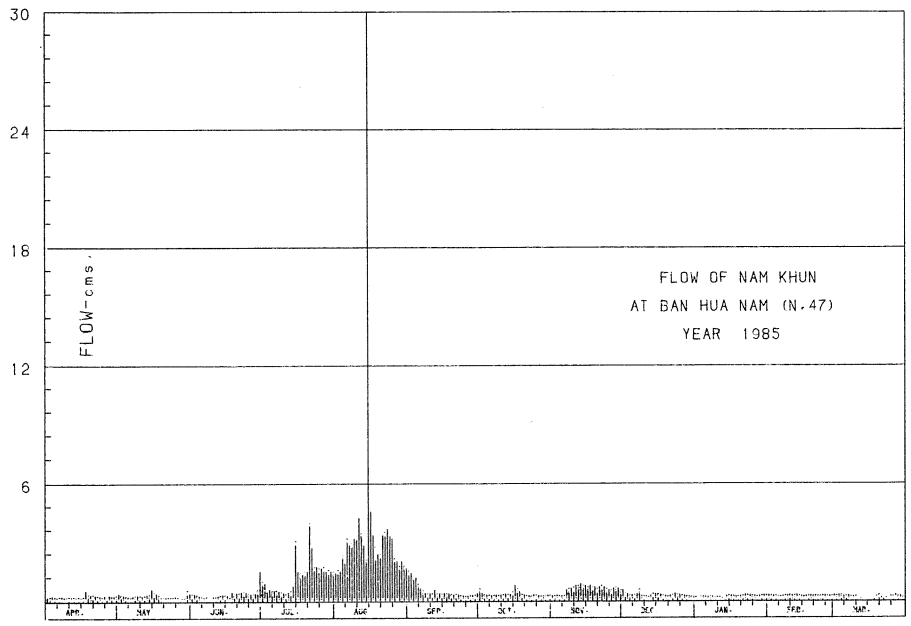
NAM KHUN AT BAN HUA NAM, NAN (N.47)

LOCATION	LAT. 19-08-36 N., LONG. 100-57-08 E., ON LEFT BANK NEAR WAT PA MUAT AT BAN HUA NAM, AMPHOE PUA, NAN.
DRAINAGE AREA	35 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+15.652 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE BECAUSE THE RIVER CHANGE ITS COURSE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.07	1.13	1.13	1.27	1.33	1.93	1.83	1.73	1.82	1.70	1.75	1.75	
2	1.08	1.11	1.12	1.25	1.35	1.92	1.80	1.74	1.80	1.69	1.74	1.74	
3	1.09	1.10	1.11	1.22	1.34	1.91	1.77	1.75	1.78	1.71	1.74	1.75	
4	1.08	1.09	1.09	1.20	1.43	1.90	1.76	1.74	1.76	1.72	1.74	1.75	
5	1.07	1.08	1.08	1.18	1.39	1.86	1.76	1.73	1.75	1.71	1.72	1.72	
6	1.08	1.07	1.07	1.18	1.50	1.83	1.74	1.74	1.76	1.70	1.72	1.73	
7	1.08	1.09	1.08	1.19	1.47	1.82	1.75	1.82	1.78	1.71	1.73	1.73	
8	1.07	1.10	1.07	1.17	1.48	1.80	1.76	1.83	1.75	1.71	1.74	1.72	
9	1.07	1.10	1.07	1.16	1.50	1.80	1.75	1.83	1.74	1.70	1.74	1.71	
10	1.08	1.10	1.08	1.14	1.51	1.79	1.76	1.84	1.73	1.70	1.75	1.72	
11	1.07	1.09	1.08	1.13	1.58	1.80	1.77	1.85	1.73	1.70	1.74	0.91	
12	1.08	1.10	1.09	1.15	1.52	1.82	1.78	1.85	1.71	1.68	1.75	0.91	
13	1.07	1.11	1.10	1.18	1.47	1.80	1.78	1.86	1.74	1.69	1.75	0.91	
14	1.08	1.12	1.11	1.23	1.41	1.79	1.77	1.85	1.79	1.73	1.74	0.91	
15	1.07	1.20	1.11	1.49	2.44	1.79	1.81	1.85	1.78	1.75	1.73	0.91	
16	1.08	1.15	1.10	1.34	2.13	1.80	1.85	1.84	1.78	1.74	1.72	0.92	
17	1.18	1.13	1.07	1.33	2.06	1.80	1.83	1.85	1.76	1.73	1.73	0.91	
18	1.12	1.11	1.15	1.32	1.99	1.79	1.81	1.84	1.75	1.72	1.74	0.93	
19	1.11	1.07	1.14	1.34	2.00	1.78	1.78	1.84	1.74	1.72	1.74	0.93	
20	1.12	1.07	1.14	1.34	2.00	1.76	1.76	1.83	1.72	1.73	1.73	0.94	
21	1.10	1.07	1.14	1.56	2.06	1.78	1.75	1.84	1.74	1.74	1.74	0.92	
22	1.10	1.07	1.15	1.46	2.07	1.76	1.74	1.85	1.76	1.76	1.73	0.94	
23	1.09	1.07	1.17	1.37	2.08	1.75	1.73	1.84	1.79	1.75	1.73	0.92	
24	1.09	1.07	1.15	1.37	2.07	1.74	1.76	1.83	1.77	1.75	1.74	0.92	
25	1.10	1.08	1.13	1.36	2.05	1.73	1.76	1.82	1.76	1.74	1.74	0.93	
26	1.11	1.07	1.12	1.36	1.98	1.73	1.74	1.82	1.75	1.73	1.73	0.93	
27	1.10	1.06	1.13	1.37	1.97	1.74	1.73	1.83	1.74	1.72	1.73	0.94	
28	1.09	1.05	1.13	1.34	1.95	1.75	1.73	1.84	1.73	1.73	1.74	0.93	
29	1.09	1.06	1.20	1.35	1.97	1.76	1.74	1.83	1.72	1.74		0.93	
30	1.10	1.19	1.34	1.34	1.95	1.79	1.75	1.82	1.71	1.75		0.92	
31		1.13		1.34	1.94		1.75		1.71	1.75		0.92	
MEAN	1.09	1.10	1.12	1.29	1.77	1.80	1.77	1.82	1.75	1.72	1.74	1.18	
MAX	1.18	1.20	1.34	1.56	2.44	1.93	1.85	1.86	1.82	1.76	1.75	1.75	2.44
MIN	1.07	1.05	1.07	1.13	1.33	1.73	1.73	1.73	1.71	1.68	1.72	0.91	0.91

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.80 M (A.D), AT 18.00 HOURS, ON AUG 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.98 M (A.D)
LEFT BANK ELEVATION 4.99 M (A.D)
RIGHT BANK ELEVATION 6.66 M (A.D), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.21	0.39	0.39	1.02	1.44	1.56	0.64	0.26	0.56	0.20	0.30	0.30	
2	0.24	0.33	0.36	0.90	1.60	1.44	0.40	0.28	0.40	0.18	0.28	0.28	
3	0.27	0.30	0.33	0.72	1.52	1.32	0.34	0.30	0.36	0.22	0.28	0.30	
4	0.24	0.27	0.27	0.60	2.36	1.20	0.32	0.28	0.32	0.24	0.28	0.30	
5	0.21	0.24	0.24	0.54	1.92	0.88	0.32	0.26	0.30	0.22	0.24	0.24	
6	0.24	0.21	0.21	0.54	3.20	0.64	0.28	0.28	0.32	0.20	0.24	0.26	
7	0.24	0.27	0.24	0.57	2.84	0.56	0.30	0.56	0.36	0.22	0.26	0.26	
8	0.21	0.30	0.21	0.51	2.96	0.40	0.32	0.64	0.60	0.22	0.28	0.24	
9	0.21	0.30	0.21	0.48	3.20	0.40	0.30	0.64	0.28	0.20	0.28	0.22	
10	0.24	0.30	0.24	0.42	3.33	0.38	0.32	0.72	0.26	0.20	0.30	0.24	
11	0.21	0.27	0.24	0.39	4.24	0.40	0.34	0.80	0.26	0.20	0.28	0.12	
12	0.24	0.30	0.27	0.45	3.46	0.56	0.36	0.80	0.22	0.16	0.30	0.12	
13	0.21	0.33	0.30	0.54	2.84	0.40	0.36	0.88	0.28	0.18	0.30	0.12	
14	0.24	0.36	0.33	0.78	2.12	0.38	0.34	0.80	0.38	0.26	0.28	0.12	
15	0.21	0.60	0.33	3.08	30.64	0.38	0.48	0.80	0.36	0.30	0.26	0.12	
16	0.24	0.45	0.30	1.52	4.72	0.40	0.80	0.72	0.36	0.28	0.24	0.18	
17	0.54	0.39	0.21	1.44	3.36	0.40	0.64	0.80	0.32	0.26	0.26	0.12	
18	0.36	0.33	0.45	1.36	2.28	0.38	0.48	0.72	0.30	0.24	0.28	0.24	
19	0.33	0.21	0.42	1.52	2.40	0.36	0.36	0.72	0.28	0.24	0.28	0.24	
20	0.36	0.21	0.42	1.52	2.40	0.32	0.32	0.64	0.24	0.26	0.26	0.31	
21	0.30	0.21	0.42	3.98	3.36	0.36	0.30	0.72	0.28	0.28	0.28	0.18	
22	0.30	0.21	0.45	2.72	3.52	0.32	0.28	0.80	0.32	0.32	0.26	0.31	
23	0.27	0.21	0.51	1.76	3.68	0.30	0.26	0.72	0.38	0.30	0.26	0.18	
24	0.24	0.21	0.45	1.76	3.52	0.28	0.32	0.64	0.34	0.30	0.28	0.18	
25	0.30	0.24	0.39	1.68	3.20	0.26	0.32	0.56	0.32	0.28	0.28	0.24	
26	0.33	0.21	0.36	1.68	2.19	0.26	0.28	0.56	0.30	0.26	0.26	0.24	
27	0.30	0.18	0.39	1.76	2.04	0.28	0.26	0.64	0.28	0.24	0.26	0.31	
28	0.27	0.15	0.39	1.52	1.80	0.30	0.26	0.72	0.26	0.26	0.28	0.24	
29	0.27	0.18	0.60	1.60	2.04	0.32	0.28	0.64	0.24	0.28		0.24	
30	0.30	0.57	1.52	1.52	1.80	0.38	0.30	0.56	0.22	0.30		0.18	
31		0.39		1.52	1.68		0.30		0.22	0.30		0.18	
TOTAL	8.13	9.12	11.45	40.40	111.66	15.82	11.18	18.46	9.92	7.60	7.64	6.81	258.19 CMSDAY
MEAN	0.27	0.29	0.38	1.30	3.60	0.53	0.36	0.62	0.32	0.25	0.27	0.22	0.71 CMS
MAX	0.54	0.60	1.52	3.98	30.64	1.56	0.80	0.88	0.60	0.32	0.30	0.31	30.64 CMS
MIN	0.21	0.15	0.21	0.39	1.44	0.26	0.26	0.26	0.22	0.16	0.24	0.12	0.12 CMS
RUNOFF	0.702	0.788	0.989	3.491	9.647	1.367	0.966	1.595	0.857	0.657	0.660	0.588	22.308 MCM

MOMENTARY PEAK 56.40 CMS, AT 2.80 M (A.D), AT 18.00 HOURS, ON AUG 15, 1985
RUNOFF YIELD 20.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1974 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

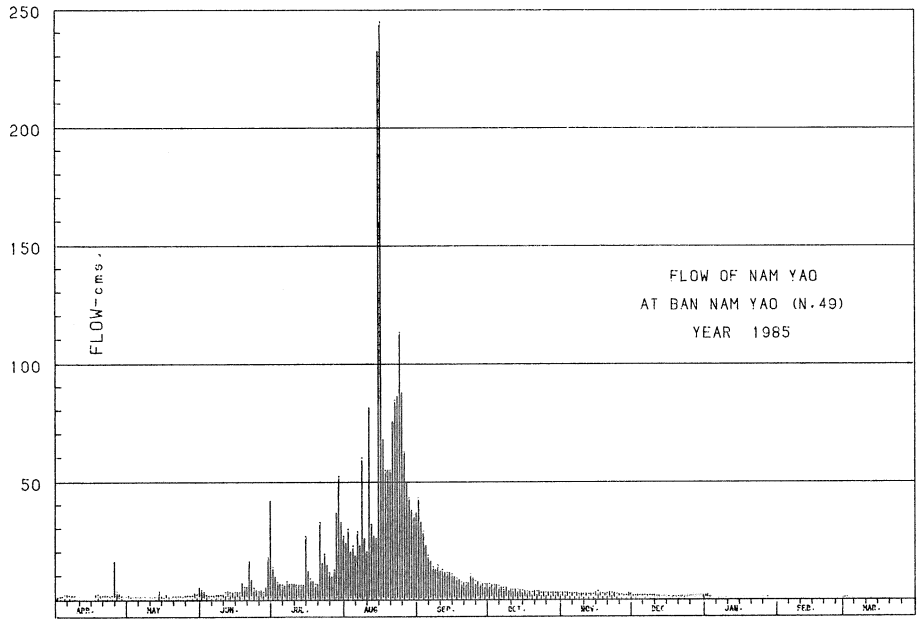
NAM YAO AT BAN NAM YAO, NAN (N.49)

LOCATION	LAT. 18-59-29 N., LONG. 100-56-32 E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE OF NAM YAO, ALONG PUA-SILA PHET ROAD AT BAN NAM YAO, AMPHOE PUA, NAN.
DRAINAGE AREA	155 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+6.052 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 33 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.31	1.33	1.41	1.60	1.72	1.91	1.47	1.37	1.33	1.29	1.28	1.30	
2	1.31	1.31	1.38	1.53	1.78	1.81	1.46	1.37	1.33	1.29	1.28	1.30	
3	1.32	1.31	1.34	1.49	1.68	1.77	1.46	1.37	1.33	1.29	1.28	1.29	
4	1.34	1.31	1.33	1.47	1.71	1.71	1.46	1.36	1.33	1.29	1.28	1.29	
5	1.34	1.31	1.33	1.46	1.66	1.66	1.45	1.36	1.33	1.29	1.27	1.29	
6	1.34	1.31	1.33	1.45	1.77	1.63	1.43	1.36	1.33	1.29	1.27	1.29	
7	1.33	1.31	1.34	1.50	1.71	1.60	1.43	1.36	1.33	1.30	1.27	1.29	
8	1.33	1.31	1.34	1.47	2.04	1.58	1.43	1.35	1.33	1.30	1.27	1.29	
9	1.31	1.31	1.34	1.47	1.74	1.61	1.42	1.35	1.33	1.30	1.27	1.29	
10	1.31	1.31	1.34	1.47	1.68	1.57	1.41	1.35	1.33	1.29	1.27	1.29	
11	1.30	1.31	1.38	1.46	2.19	1.58	1.41	1.35	1.32	1.29	1.27	1.28	
12	1.30	1.31	1.39	1.46	1.80	1.56	1.41	1.35	1.32	1.29	1.27	1.28	
13	1.30	1.31	1.38	1.46	1.75	1.56	1.41	1.35	1.31	1.29	1.26	1.28	
14	1.30	1.39	1.37	1.46	1.74	1.56	1.40	1.35	1.31	1.29	1.26	1.27	
15	1.30	1.32	1.38	1.75	2.93	1.55	1.40	1.37	1.31	1.29	1.26	1.27	
16	1.30	1.30	1.38	1.57	2.98	1.53	1.39	1.39	1.31	1.29	1.26	1.27	
17	1.34	1.34	1.38	1.52	2.10	1.52	1.39	1.36	1.31	1.30	1.26	1.27	
18	1.35	1.31	1.48	1.50	2.00	1.51	1.38	1.36	1.31	1.30	1.27	1.27	
19	1.33	1.31	1.44	1.47	2.00	1.49	1.38	1.35	1.31	1.30	1.27	1.27	
20	1.33	1.32	1.44	1.47	2.00	1.48	1.39	1.36	1.31	1.30	1.27	1.27	
21	1.33	1.32	1.63	1.81	2.15	1.48	1.39	1.37	1.31	1.30	1.28	1.27	
22	1.33	1.32	1.51	1.62	2.21	1.48	1.39	1.37	1.31	1.31	1.28	1.27	
23	1.32	1.32	1.43	1.67	2.22	1.55	1.37	1.36	1.31	1.31	1.28	1.27	
24	1.33	1.31	1.40	1.61	2.38	1.52	1.37	1.35	1.30	1.31	1.28	1.27	
25	1.63	1.33	1.39	1.56	2.23	1.50	1.37	1.34	1.30	1.31	1.28	1.27	
26	1.39	1.33	1.40	1.53	2.06	1.49	1.37	1.34	1.30	1.31	1.28	1.27	
27	1.35	1.33	1.38	1.58	1.96	1.48	1.37	1.33	1.30	1.30	1.28	1.27	
28	1.32	1.33	1.43	1.85	1.91	1.47	1.37	1.33	1.30	1.30	1.28	1.27	
29	1.31	1.36	1.65	1.98	1.86	1.47	1.37	1.36	1.30	1.29		1.27	
30	1.31	1.35	1.90	1.81	1.84	1.47	1.37	1.35	1.29	1.29		1.27	
31		1.43		1.75	1.85		1.37		1.29	1.28		1.26	
MEAN	1.33	1.32	1.42	1.57	1.99	1.57	1.40	1.36	1.31	1.30	1.27	1.28	
MAX	1.63	1.43	1.90	1.98	2.98	1.91	1.47	1.39	1.33	1.31	1.28	1.30	2.98
MIN	1.30	1.30	1.33	1.45	1.66	1.47	1.37	1.33	1.29	1.28	1.26	1.26	1.26

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.40 M (A.D), AT 18.00 HOURS, ON AUG 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.54 M (A.D)
LEFT BANK ELEVATION 8.02 M (A.D)
RIGHT BANK ELEVATION 10.00 M (A.D), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.30	1.90	4.40	14.00	24.00	43.30	6.80	3.10	1.90	0.80	0.60	1.00	
2	1.30	1.30	3.40	9.80	30.00	33.00	6.40	3.10	1.90	0.80	0.60	1.00	
3	1.60	1.30	2.20	7.60	20.40	29.00	6.40	3.10	1.90	0.80	0.60	0.80	
4	2.20	1.30	1.90	6.80	23.00	23.00	6.40	2.80	1.90	0.80	0.60	0.80	
5	2.20	1.30	1.90	6.40	18.80	18.80	6.00	2.80	1.90	0.80	0.40	0.80	
6	2.20	1.30	1.90	6.00	29.00	16.40	5.20	2.80	1.90	0.80	0.40	0.80	
7	1.90	1.30	2.20	8.00	23.00	14.00	5.20	2.80	1.90	1.00	0.40	0.80	
8	1.90	1.30	2.20	6.80	60.20	12.80	5.20	2.50	1.90	1.00	0.40	0.80	
9	1.30	1.30	2.20	6.80	26.00	14.80	4.80	2.50	1.90	1.00	0.40	0.80	
10	1.30	1.30	2.20	6.80	20.40	12.20	4.40	2.50	1.90	0.80	0.40	0.80	
11	1.00	1.30	3.40	6.40	81.50	12.80	4.40	2.50	1.60	0.80	0.40	0.60	
12	1.00	1.30	3.70	6.40	32.00	11.60	4.40	2.50	1.60	0.80	0.40	0.60	
13	1.00	1.30	3.40	6.40	27.00	11.60	4.40	2.50	1.30	0.80	0.20	0.60	
14	1.00	3.70	3.10	6.40	26.00	11.60	4.00	2.50	1.30	0.80	0.20	0.40	
15	1.00	1.60	3.40	27.00	232.50	11.00	4.00	3.10	1.30	0.80	0.20	0.40	
16	1.00	1.00	3.40	12.20	245.00	9.80	3.70	3.70	1.30	0.80	0.20	0.40	
17	2.20	2.20	3.40	9.20	68.00	9.20	3.70	2.80	1.30	1.00	0.20	0.40	
18	2.50	1.30	7.20	8.00	55.00	8.60	3.40	2.80	1.30	1.00	0.40	0.40	
19	1.90	1.30	5.60	6.80	55.00	7.60	3.40	2.50	1.30	1.00	0.40	0.40	
20	1.90	1.60	5.60	6.80	55.00	7.20	3.70	2.80	1.30	1.00	0.40	0.40	
21	1.90	1.60	16.40	33.00	75.50	7.20	3.70	3.10	1.30	1.00	0.60	0.40	
22	1.90	1.60	8.60	15.60	84.60	7.20	3.70	3.10	1.30	1.30	0.60	0.40	
23	1.60	1.60	5.20	19.60	86.20	11.00	3.10	2.80	1.30	1.30	0.60	0.40	
24	1.90	1.30	4.00	14.80	113.40	9.20	3.10	2.50	1.00	1.30	0.60	0.40	
25	16.40	1.90	3.70	11.60	87.80	8.00	3.10	2.20	1.00	1.30	0.60	0.40	
26	3.70	1.90	4.00	9.80	62.80	7.60	3.10	2.20	1.00	1.30	0.60	0.40	
27	2.50	1.90	3.40	12.80	49.80	7.20	3.10	1.90	1.00	1.00	0.60	0.40	
28	1.60	1.90	5.20	37.00	43.30	6.80	3.10	1.90	1.00	1.00	0.60	0.40	
29	1.30	2.80	18.00	52.40	38.00	6.80	3.10	2.80	1.00	0.80		0.40	
30	1.30	2.50	42.00	33.00	36.00	6.80	3.10	2.50	0.80	0.80		0.40	
31		5.20		27.00	37.00		3.10		0.80	0.60		0.20	
TOTAL	65.80	54.40	177.20	441.20	1866.20	396.10	131.20	80.70	44.10	29.10	12.60	17.20	3315.80 CMSDAY
MEAN	2.19	1.75	5.91	14.23	60.20	13.20	4.23	2.69	1.42	0.94	0.45	0.55	9.08 CMS
MAX	16.40	5.20	42.00	52.40	245.00	43.30	6.80	3.70	1.90	1.30	0.60	1.00	245.00 CMS
MIN	1.00	1.00	1.90	6.00	18.80	6.80	3.10	1.90	0.80	0.60	0.20	0.20	0.20 CMS
RUNOFF	5.685	4.700	15.310	38.120	161.240	34.223	11.336	6.972	3.810	2.514	1.089	1.486	286.485 MCM

MOMENTARY PEAK 353.00 CMS, AT 3.40 M (A.D), AT 18.00 HOURS, ON AUG 15, 1985
RUNOFF YIELD 58.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2277.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

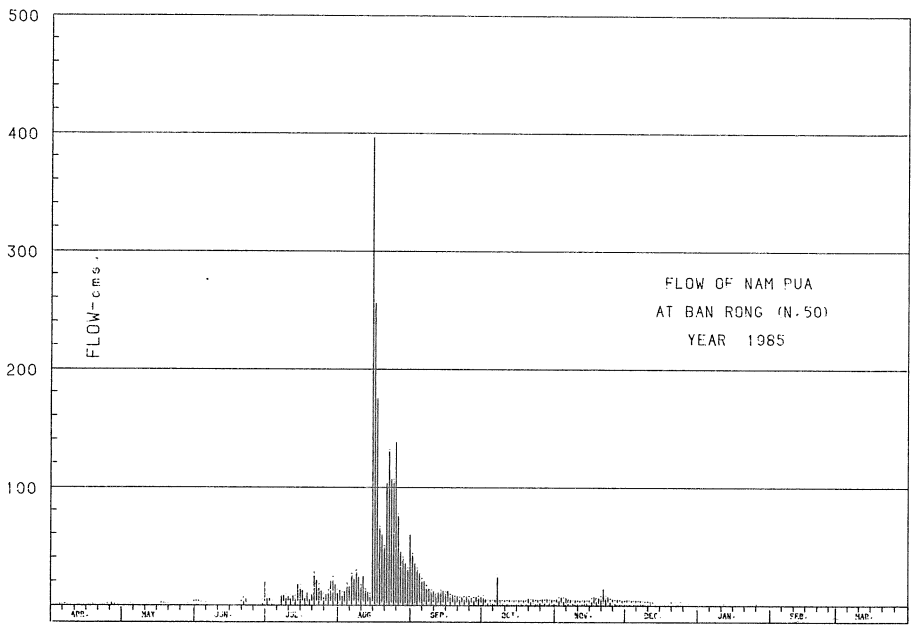
NAM PUA AT BAN RONG, NAN (N.50)

LOCATION	LAT. 19-11-38 N., LONG. 100-55-14 E., ON LEFT BANK DOWNSTREAM OF THE BRIDGE OF NAM PUA, ALONG PUA-THUNG CHANG ROAD AT BAN RONG, AMPHOE PUA, NAN.
DRAINAGE AREA	192 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+4.361 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BY SOME SILTING.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	0.31	0.53	0.69	0.81	0.70	0.21	0.10	0.05	-0.20	-0.34	-0.36	
2	0.21	0.39	0.53	0.58	0.78	0.62	0.09	0.17	0.02	-0.24	-0.34	-0.37	
3	0.27	0.38	0.50	0.54	0.78	0.58	0.08	0.15	0.01	-0.25	-0.33	-0.34	
4	0.31	0.38	0.49	0.50	0.91	0.51	0.06	0.16	0.01	-0.24	-0.32	-0.35	
5	0.35	0.36	0.45	0.48	0.86	0.45	0.06	0.14	0.01	-0.23	-0.33	-0.36	
6	0.32	0.33	0.42	0.47	1.01	0.41	0.04	0.09	0.01	-0.25	-0.33	-0.36	
7	0.31	0.31	0.40	0.75	0.95	0.36	0.50	0.06	-0.02	-0.26	-0.32	-0.39	
8	0.25	0.30	0.38	0.67	1.04	0.31	0.03	0.04	-0.01	-0.26	-0.32	-0.40	
9	0.25	0.30	0.37	0.72	0.97	0.30	0.03	0.03	-0.05	-0.25	-0.33	-0.40	
10	0.24	0.30	0.36	0.64	0.89	0.27	0.04	0.02	-0.05	-0.26	-0.34	-0.40	
11	0.24	0.35	0.35	0.69	0.98	0.24	0.05	0.01	-0.09	-0.26	-0.35	-0.37	
12	0.24	0.33	0.35	0.66	0.83	0.25	0.04	0.01	-0.16	-0.25	-0.26	-0.35	
13	0.24	0.32	0.35	0.68	0.76	0.30	0.02	0.03	-0.16	-0.26	-0.26	-0.36	
14	0.25	0.31	0.35	0.89	0.74	0.28	0.02	0.02	-0.17	-0.27	-0.31	-0.35	
15	0.24	0.32	0.36	0.89	2.19	0.27	0.02	0.03	-0.16	-0.27	-0.31	-0.36	
16	0.23	0.34	0.35	0.81	1.80	0.28	0.02	0.15	-0.15	-0.28	-0.34	-0.37	
17	0.28	0.47	0.36	0.71	1.50	0.23	0.01	0.17	-0.15	-0.27	-0.34	-0.36	
18	0.31	0.38	0.41	0.74	0.90	0.21	0.02	0.15	-0.12	-0.30	-0.36	-0.34	
19	0.29	0.39	0.51	0.69	0.84	0.20	0.02	0.13	-0.10	-0.29	-0.38	-0.35	
20	0.25	0.36	0.53	0.69	0.76	0.18	0.12	0.20	-0.12	-0.27	-0.37	-0.36	
21	0.26	0.34	0.62	1.02	1.14	0.17	0.11	0.31	-0.13	-0.27	-0.37	-0.36	
22	0.27	0.34	0.57	0.94	1.30	0.15	0.09	0.21	-0.11	-0.28	-0.37	-0.38	
23	0.27	0.33	0.52	0.90	1.16	0.19	0.06	0.17	-0.11	-0.28	-0.37	-0.39	
24	0.35	0.36	0.47	0.80	1.16	0.17	0.04	0.13	-0.10	-0.27	-0.34	-0.36	
25	0.27	0.37	0.46	0.74	1.33	0.19	0.06	0.10	-0.21	-0.28	-0.29	-0.33	
26	0.43	0.42	0.41	0.70	0.98	0.14	0.10	0.08	-0.23	-0.29	-0.29	-0.28	
27	0.38	0.40	0.40	0.82	0.71	0.16	0.10	0.07	-0.20	-0.27	-0.30	-0.33	
28	0.43	0.39	0.48	0.93	0.67	0.16	0.11	0.06	-0.23	-0.27	-0.36	-0.37	
29	0.37	0.41	0.56	0.98	0.62	0.20	0.09	0.02	-0.23	-0.28		-0.33	
30	0.31	0.49	0.92	0.89	0.58	0.16	0.06	0.01	-0.25	-0.30		-0.25	
31		0.53		0.82	0.84		0.05		-0.23	-0.31		-0.24	
MEAN	0.29	0.36	0.46	0.74	0.99	0.29	0.08	0.10	-0.11	-0.27	-0.33	-0.35	
MAX	0.43	0.53	0.92	1.02	2.19	0.70	0.50	0.31	0.05	-0.20	-0.26	-0.24	2.19
MIN	0.20	0.30	0.35	0.47	0.58	0.14	0.01	0.01	-0.25	-0.31	-0.38	-0.40	-0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.38 M (A.D), AT 9.00 HOURS, ON AUG 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.94 M (A.D)
LEFT BANK ELEVATION 2.35 M (A.D)
RIGHT BANK ELEVATION 4.14 M (A.D), DRAINAGE AREA 192 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	1.10	3.90	8.70	12.60	44.00	8.50	5.00	4.50	2.00	0.60	0.40	
2	0.10	1.90	3.90	5.40	11.40	35.20	4.90	7.10	4.20	1.60	0.60	0.30	
3	0.70	1.80	3.00	4.20	11.40	31.67	4.80	6.50	4.10	1.50	0.70	0.60	
4	1.10	1.80	2.90	3.00	18.80	27.00	4.60	6.80	4.10	1.60	0.80	0.50	
5	1.50	1.60	2.50	2.80	15.60	23.00	4.60	6.20	4.10	1.70	0.70	0.40	
6	1.20	1.30	2.20	2.70	27.00	20.33	4.40	4.90	4.10	1.50	0.70	0.40	
7	1.10	1.10	2.00	10.50	22.00	17.00	26.33	4.60	3.80	1.40	0.80	0.10	
8	0.50	1.00	1.80	8.10	30.00	13.67	4.30	4.40	3.90	1.40	0.80	0.00	
9	0.50	1.00	1.70	9.60	23.60	13.00	4.30	4.30	3.50	1.50	0.70	0.00	
10	0.40	1.00	1.60	7.20	17.40	11.50	4.40	4.20	3.50	1.40	0.60	0.00	
11	0.40	1.50	1.50	8.70	24.40	10.00	4.50	4.10	3.10	1.40	0.50	0.30	
12	0.40	1.30	1.50	7.80	13.80	10.50	4.40	4.10	2.40	1.50	1.40	0.50	
13	0.40	1.20	1.50	8.40	10.80	13.00	4.20	4.30	2.40	1.40	1.40	0.40	
14	0.50	1.10	1.50	17.40	10.20	12.00	4.20	4.20	2.30	1.30	0.90	0.50	
15	0.40	1.20	1.60	17.40	396.20	11.50	4.20	4.30	2.40	1.30	0.90	0.40	
16	0.30	1.40	1.50	12.60	258.00	12.00	4.20	6.50	2.50	1.20	0.60	0.30	
17	0.80	2.70	1.60	9.30	175.00	9.50	4.10	7.10	2.50	1.30	0.60	0.40	
18	1.10	1.80	2.10	10.20	67.00	8.50	4.20	6.50	2.80	1.00	0.40	0.60	
19	0.90	1.90	3.30	8.70	59.80	8.00	4.20	5.90	3.00	1.10	0.20	0.50	
20	0.50	1.60	3.90	8.70	50.60	7.40	5.60	8.00	2.80	1.30	0.30	0.40	
21	0.60	1.40	6.60	28.00	103.20	7.10	5.30	13.67	2.70	1.30	0.30	0.40	
22	0.70	1.40	5.10	21.20	132.00	6.50	4.90	8.50	2.90	1.20	0.30	0.20	
23	0.70	1.30	3.60	18.00	106.80	7.70	4.60	7.10	2.90	1.20	0.30	0.10	
24	1.50	1.60	2.70	12.00	106.80	7.10	4.40	5.90	3.00	1.30	0.60	0.40	
25	0.70	1.70	2.60	10.20	138.00	7.70	4.60	5.00	1.90	1.20	1.10	0.70	
26	2.30	2.20	2.10	9.00	77.40	6.20	5.00	4.80	1.70	1.10	1.10	1.20	
27	1.80	2.00	2.00	13.20	45.10	6.80	5.00	4.70	2.00	1.30	1.00	0.70	
28	2.30	1.90	2.80	20.40	40.70	6.80	5.30	4.60	1.70	1.30	0.40	0.30	
29	1.70	2.10	4.80	24.40	35.20	8.00	4.90	4.20	1.70	1.20		0.70	
30	1.10	2.90	19.60	17.40	31.67	6.80	4.60	4.10	1.50	1.00		1.50	
31		3.90		13.20	59.80		4.50		1.70	0.90		1.60	
TOTAL	26.20	51.70	97.40	358.40	2132.27	409.47	168.03	171.57	89.70	41.40	19.30	14.80	3580.24 CMSDAY
MEAN	0.87	1.67	3.25	11.56	68.78	13.65	5.42	5.72	2.89	1.34	0.69	0.48	9.81 CMS
MAX	2.30	3.90	19.60	28.00	396.20	44.00	26.33	13.67	4.50	2.00	1.40	1.60	396.20 CMS
MIN	0.00	1.00	1.50	2.70	10.20	6.20	4.10	4.10	1.50	0.90	0.20	0.00	0.00 CMS
RUNOFF	2.264	4.467	8.415	30.966	184.228	35.378	14.518	14.824	7.750	3.577	1.668	1.279	309.333 MCM

MOMENTARY PEAK 475.60 CMS, AT 2.38 M (A.D), AT 9.00 HOURS, ON AUG 15, 1985
RUNOFF YIELD 51.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2477.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

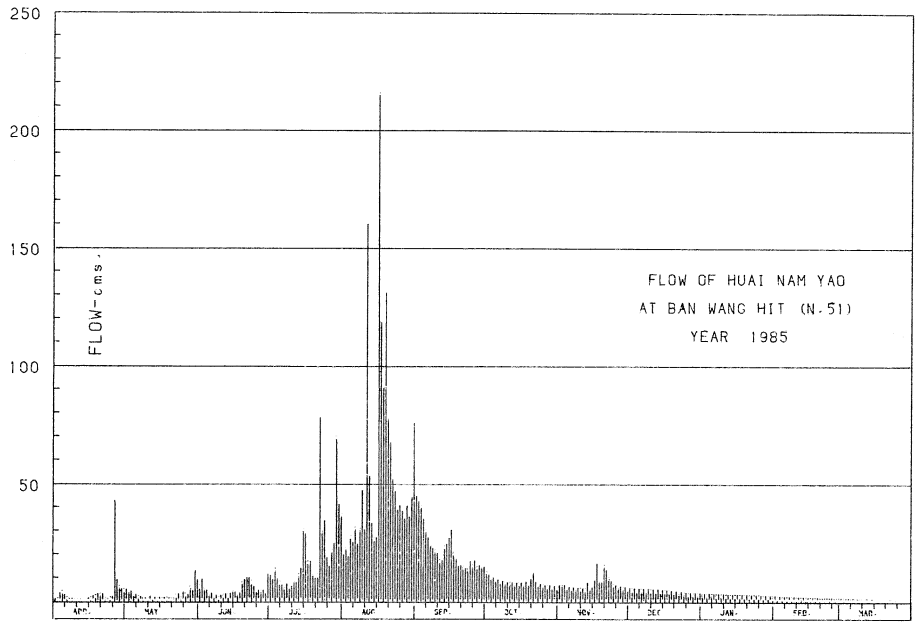
HUAI NAM YAO AT BAN WANG HIT, NAN (N.51)

LOCATION	LAT. 19-09-31 N., LONG. 100-46-56 E., ON RIGHT BANK BEHIND THE PHA TO TOBACCO HOUSE AT BAN WANG HIT, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	774 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+230.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 2 METERS UPSTREAM FROM MEASURING LINE.
ELEVATION	+237.344 M. (M.S.L.)
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 FLOAT	-
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 35 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	230.83	231.05	231.13	231.34	231.56	232.20	231.33	231.13	231.08	230.97	230.91	230.85	
2	230.85	231.03	231.23	231.22	231.65	232.13	231.29	231.17	231.07	230.96	230.90	230.85	
3	230.97	231.01	231.10	231.38	231.54	232.09	231.27	231.13	231.07	230.96	230.90	230.85	
4	231.02	230.98	231.03	231.23	231.78	231.96	231.25	231.11	231.06	230.96	230.90	230.84	
5	230.93	230.94	230.98	231.20	231.71	231.85	231.24	231.10	231.06	230.96	230.90	230.84	
6	230.89	230.91	230.97	231.13	231.87	231.76	231.22	231.10	231.06	230.95	230.89	230.84	
7	230.84	230.89	230.94	231.12	231.69	231.70	231.21	231.09	231.06	230.95	230.89	230.84	
8	230.83	230.87	230.92	231.15	231.86	231.64	231.20	231.09	231.06	230.95	230.89	230.83	
9	230.83	230.86	230.90	231.13	232.23	231.62	231.19	231.08	231.06	230.95	230.89	230.83	
10	230.82	230.86	230.92	231.11	231.87	231.58	231.18	231.08	231.05	230.95	230.88	230.83	
11	230.82	230.90	230.94	231.23	234.05	231.50	231.18	231.07	231.05	230.94	230.88	230.83	
12	230.82	230.90	230.95	231.18	232.37	231.49	231.18	231.07	231.05	230.94	230.88	230.83	
13	230.82	230.87	230.95	231.30	231.91	231.67	231.17	231.17	231.05	230.94	230.88	230.83	
14	230.82	230.86	230.96	231.38	231.75	231.69	231.17	231.10	231.05	230.94	230.88	230.83	
15	230.85	230.87	231.07	231.85	231.76	231.79	231.18	231.09	231.04	230.94	230.87	230.82	
16	230.88	230.86	230.99	231.80	234.75	231.84	231.17	231.26	231.04	230.94	230.87	230.82	
17	230.91	230.87	230.98	231.48	233.48	231.59	231.17	231.45	231.03	230.94	230.87	230.82	
18	230.93	230.87	230.97	231.48	233.05	231.51	231.19	231.23	231.03	230.94	230.87	230.82	
19	230.95	230.86	231.19	231.32	233.66	231.46	231.18	231.18	231.02	230.94	230.87	230.82	
20	230.97	230.86	231.22	231.24	232.83	231.42	231.23	231.43	231.02	230.94	230.86	230.81	
21	230.95	230.85	231.31	231.30	232.63	231.41	231.35	231.36	231.01	230.93	230.86	230.81	
22	230.87	230.94	231.25	232.82	232.35	231.38	231.19	231.26	231.01	230.93	230.86	230.81	
23	230.84	230.95	231.21	231.83	232.22	231.39	231.16	231.20	231.00	230.93	230.86	230.80	
24	230.88	230.88	231.11	231.94	232.08	231.48	231.15	231.15	230.99	230.93	230.86	230.80	
25	230.90	230.99	231.07	231.57	232.09	231.43	231.14	231.13	230.98	230.93	230.86	230.80	
26	232.16	230.97	231.03	231.41	232.07	231.49	231.13	231.12	230.97	230.92	230.85	230.80	
27	231.22	230.94	231.03	231.63	231.96	231.40	231.13	231.11	230.97	230.92	230.85	230.79	
28	231.12	231.11	231.03	231.70	232.12	231.42	231.13	231.10	230.97	230.92	230.85	230.79	
29	231.06	231.02	231.04	232.68	231.98	231.43	231.12	231.10	230.97	230.92		230.79	
30	231.06	231.38	231.30	232.10	232.19	231.40	231.12	231.09	230.97	230.91		230.79	
31		231.22		232.01	232.78		231.11		230.97	230.91		230.79	
MEAN	230.95	230.95	231.06	231.52	232.32	231.62	231.19	231.16	231.03	230.94	230.88	230.82	
MAX	232.16	231.38	231.31	232.82	234.75	232.20	231.35	231.45	231.08	230.97	230.91	230.85	234.75
MIN	230.82	230.85	230.90	231.11	231.54	231.38	231.11	231.07	230.97	230.91	230.85	230.79	230.79

ANNUAL MAX MOMENTARY GAGE HEIGHT 234.82 M (MSL), AT 12.00 HOURS, ON AUG 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 230.10 M (MSL), RIVER BED 229.99 M (MSL)
LEFT BANK ELEVATION 240.10 M (MSL)
RIGHT BANK ELEVATION 242.41 M (MSL), DRAINAGE AREA 774 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.45	5.50	7.25	13.20	20.10	46.00	12.90	7.25	6.10	3.90	2.70	1.75	
2	1.75	5.10	9.90	9.60	23.25	42.85	11.70	8.25	5.90	3.70	2.50	1.75	
3	3.90	4.70	6.50	14.40	19.40	41.05	11.10	7.25	5.90	3.70	2.50	1.75	
4	4.90	4.10	5.10	9.90	28.20	35.40	10.50	6.75	5.70	3.70	2.50	1.60	
5	3.10	3.30	4.10	9.00	25.40	31.00	10.20	6.50	5.70	3.70	2.50	1.60	
6	2.35	2.70	3.90	7.25	31.80	27.40	9.60	6.50	5.70	3.50	2.35	1.60	
7	1.60	2.35	3.30	7.00	24.65	25.00	9.30	6.30	5.70	3.50	2.35	1.60	
8	1.45	2.05	2.90	7.75	31.40	22.90	9.00	6.30	5.70	3.50	2.35	1.45	
9	1.45	1.90	2.50	7.25	47.50	22.20	8.75	6.10	5.70	3.50	2.35	1.45	
10	1.30	1.90	2.90	6.75	31.80	20.80	8.50	6.10	5.50	3.50	2.20	1.45	
11	1.30	2.50	3.30	9.90	160.25	18.00	8.50	5.90	5.50	3.30	2.20	1.45	
12	1.30	2.50	3.50	8.50	54.50	17.70	8.50	5.90	5.50	3.30	2.20	1.45	
13	1.30	2.05	3.50	12.00	33.40	23.95	8.25	8.25	5.50	3.30	2.20	1.45	
14	1.30	1.90	3.70	14.40	27.00	24.65	8.25	6.50	5.50	3.30	2.20	1.45	
15	1.75	2.05	5.90	31.00	27.40	28.60	8.50	6.30	5.30	3.30	2.05	1.30	
16	2.20	1.90	4.30	29.00	216.00	30.60	8.25	10.80	5.30	3.30	2.05	1.30	
17	2.70	2.05	4.10	17.40	118.60	21.15	8.25	16.50	5.10	3.30	2.05	1.30	
18	3.10	2.05	3.90	17.40	92.00	18.35	8.75	9.90	5.10	3.30	2.05	1.30	
19	3.50	1.90	8.75	12.60	131.20	16.80	8.50	8.50	4.90	3.30	2.05	1.30	
20	3.90	1.90	9.60	10.20	78.80	15.60	9.90	15.90	4.90	3.30	1.90	1.15	
21	3.50	1.75	12.30	12.00	67.65	15.30	12.50	13.80	4.70	3.10	1.90	1.15	
22	2.05	3.30	10.50	78.20	53.50	14.40	8.75	10.80	4.70	3.10	1.90	1.15	
23	1.60	3.50	9.30	30.20	47.00	14.70	8.00	9.00	4.50	3.10	1.90	1.00	
24	2.20	2.20	6.75	34.60	40.60	17.40	7.75	7.75	4.30	3.10	1.90	1.00	
25	2.50	4.30	5.90	20.45	41.05	15.90	7.50	7.25	4.10	3.10	1.90	1.00	
26	44.20	3.90	5.10	15.30	40.15	17.70	7.25	7.00	3.90	2.90	1.75	1.00	
27	9.60	3.30	5.10	22.55	35.40	15.00	7.25	6.75	3.90	2.90	1.75	0.90	
28	7.00	6.75	5.10	25.00	42.40	15.60	7.25	6.50	3.90	2.90	1.75	0.90	
29	5.70	4.90	5.30	70.40	36.20	15.90	7.00	6.50	3.90	2.90		0.90	
30	5.70	14.40	12.00	41.50	45.55	15.00	7.00	6.30	3.90	2.70		0.90	
31		9.60		37.45	75.90		6.75		3.90	2.70		0.90	
TOTAL	129.65	112.30	176.25	642.15	1748.05	686.90	275.20	243.40	155.90	101.70	60.00	40.25	4371.75 CMSDAY
MEAN	4.32	3.62	5.88	20.71	56.39	22.90	8.88	8.11	5.03	3.28	2.14	1.30	11.98 CMS
MAX	44.20	14.40	12.30	78.20	216.00	46.00	13.50	16.50	6.10	3.90	2.70	1.75	216.00 CMS
MIN	1.30	1.75	2.50	6.75	19.40	14.40	6.75	5.90	3.90	2.70	1.75	0.90	0.90 CMS
RUNOFF	11.202	9.703	15.228	55.482	151.032	59.348	23.777	21.030	13.470	8.787	5.184	3.478	377.719 MCM

MOMENTARY PEAK 221.60 CMS, AT 234.82 M (MSL), AT 12.00 HOURS, ON AUG 16, 1985

RUNOFF YIELD 15.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 286.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

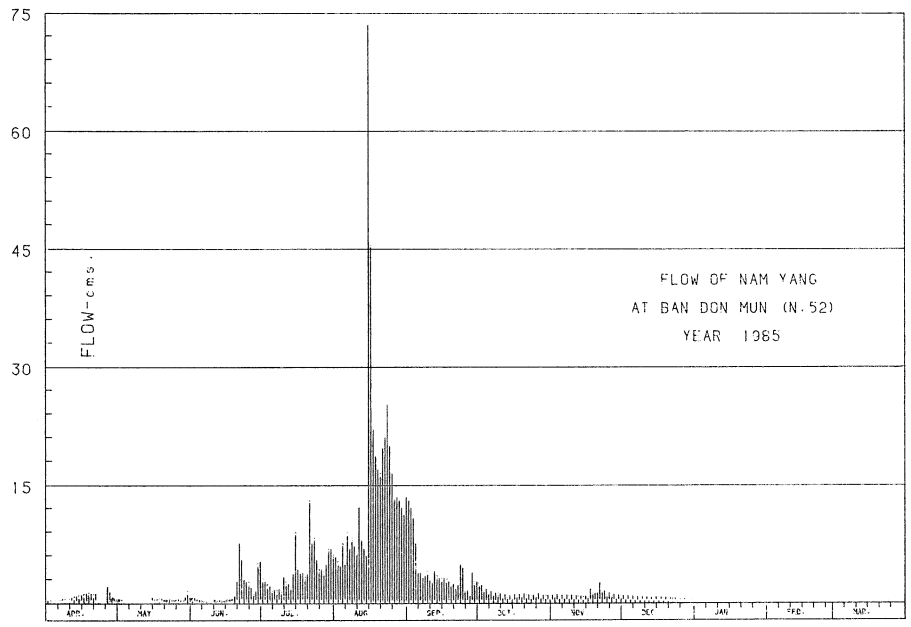
NAM YANG AT BAN DON MUN, NAN (N.52)

LOCATION	LAT. 19-05-08 N., LONG. 100-55-51 E., ON LEFT BANK AT THE BRIDGE OF PUA-BAN DU PHONG HIGHWAY, BAN DON MUN, TAMBON SILA PHET, AMPHOE PUA, NAN.
DRAINAGE AREA	49 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.063 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	1980 TO DATE.
RATED BY FLOAT	-
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 37 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.59	0.36	0.45	0.68	0.81	1.00	0.64	0.50	0.49	0.38	0.34	0.32	
2	0.59	0.36	0.43	0.65	0.79	0.97	0.62	0.52	0.48	0.38	0.34	0.32	
3	0.59	0.31	0.40	0.63	0.76	0.95	0.59	0.51	0.48	0.38	0.34	0.32	
4	0.60	0.32	0.38	0.61	0.86	0.86	0.58	0.50	0.47	0.38	0.34	0.32	
5	0.60	0.31	0.37	0.59	0.77	0.74	0.56	0.50	0.47	0.38	0.34	0.32	
6	0.60	0.30	0.35	0.57	0.90	0.72	0.55	0.50	0.47	0.38	0.34	0.33	
7	0.61	0.30	0.34	0.57	0.84	0.71	0.54	0.50	0.46	0.39	0.34	0.33	
8	0.61	0.29	0.33	0.58	0.88	0.70	0.53	0.50	0.46	0.39	0.34	0.33	
9	0.60	0.29	0.33	0.57	0.85	0.73	0.53	0.50	0.45	0.38	0.34	0.32	
10	0.61	0.32	0.32	0.69	0.83	0.66	0.52	0.49	0.45	0.38	0.34	0.31	
11	0.62	0.34	0.38	0.65	0.97	0.67	0.51	0.49	0.45	0.38	0.34	0.31	
12	0.63	0.34	0.36	0.63	0.88	0.73	0.51	0.48	0.45	0.38	0.34	0.31	
13	0.63	0.35	0.35	0.62	0.84	0.70	0.50	0.47	0.44	0.38	0.33	0.31	
14	0.64	0.36	0.34	0.71	0.83	0.68	0.49	0.47	0.45	0.37	0.33	0.32	
15	0.64	0.44	0.35	0.90	1.70	0.68	0.49	0.47	0.45	0.36	0.33	0.32	
16	0.65	0.41	0.34	0.74	1.45	0.68	0.51	0.51	0.45	0.36	0.33	0.32	
17	0.65	0.41	0.34	0.74	1.16	0.67	0.52	0.58	0.44	0.36	0.33	0.32	
18	0.66	0.43	0.41	0.72	1.11	0.65	0.51	0.56	0.44	0.35	0.33	0.32	
19	0.65	0.42	0.54	0.69	1.07	0.64	0.52	0.52	0.44	0.35	0.32	0.32	
20	0.65	0.39	0.65	0.71	1.06	0.63	0.52	0.58	0.43	0.35	0.32	0.32	
21	0.65	0.34	0.87	0.99	1.12	0.62	0.51	0.64	0.43	0.35	0.31	0.32	
22	0.61	0.33	0.80	0.86	1.15	0.62	0.51	0.58	0.42	0.35	0.31	0.32	
23	0.59	0.34	0.70	0.88	1.21	0.79	0.50	0.55	0.42	0.35	0.31	0.32	
24	0.58	0.36	0.65	0.80	1.13	0.75	0.50	0.53	0.41	0.35	0.31	0.32	
25	0.58	0.39	0.65	0.74	1.06	0.58	0.52	0.53	0.40	0.35	0.32	0.31	
26	0.72	0.41	0.60	0.74	1.00	0.56	0.52	0.52	0.40	0.35	0.32	0.31	
27	0.54	0.36	0.55	0.73	1.00	0.54	0.51	0.51	0.40	0.35	0.32	0.31	
28	0.40	0.36	0.55	0.77	1.00	0.72	0.50	0.50	0.40	0.34	0.32	0.30	
29	0.37	0.45	0.78	0.84	0.97	0.65	0.50	0.50	0.39	0.34		0.30	
30	0.35	0.56	0.79	0.84	0.96	0.65	0.50	0.50	0.39	0.34		0.29	
31		0.44		0.82	1.00		0.49		0.39	0.34		0.29	
MEAN	0.59	0.37	0.49	0.72	1.00	0.71	0.53	0.52	0.44	0.36	0.33	0.32	
MAX	0.72	0.56	0.87	0.99	1.70	1.00	0.64	0.64	0.49	0.39	0.34	0.33	1.70
MIN	0.35	0.29	0.32	0.57	0.76	0.54	0.49	0.47	0.39	0.34	0.31	0.29	0.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.80 M (A.D), AT 9.00 HOURS, ON AUG 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.20 M (A.D)
LEFT BANK ELEVATION 3.10 M (A.D)
RIGHT BANK ELEVATION 2.54 M (A.D), DRAINAGE AREA 49 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.36	0.38	0.75	3.20	5.85	13.50	2.60	1.00	0.95	0.44	0.32	0.26	
2	0.36	0.38	0.65	2.75	5.30	12.15	2.30	1.20	0.90	0.44	0.32	0.26	
3	0.36	0.23	0.50	2.45	4.70	11.25	1.90	1.10	0.90	0.44	0.32	0.26	
4	0.40	0.26	0.44	2.15	7.60	7.60	1.80	1.00	0.85	0.44	0.32	0.26	
5	0.40	0.23	0.41	1.90	4.90	4.30	1.60	1.00	0.85	0.44	0.32	0.26	
6	0.40	0.20	0.35	1.70	9.00	3.90	1.50	1.00	0.85	0.44	0.32	0.29	
7	0.56	0.20	0.32	1.70	6.90	3.70	1.40	1.00	0.80	0.47	0.32	0.29	
8	0.56	0.16	0.29	1.80	8.30	3.50	1.30	1.00	0.80	0.47	0.32	0.29	
9	0.40	0.16	0.29	1.70	7.25	4.10	1.30	1.00	0.75	0.44	0.32	0.26	
10	0.56	0.26	0.26	3.35	6.55	2.90	1.20	0.95	0.75	0.44	0.32	0.23	
11	0.72	0.32	0.44	2.75	12.15	3.05	1.10	0.95	0.75	0.44	0.32	0.23	
12	0.88	0.32	0.38	2.45	8.30	4.10	1.10	0.90	0.75	0.44	0.32	0.23	
13	0.88	0.35	0.35	2.30	6.90	3.50	1.00	0.85	0.70	0.44	0.29	0.23	
14	1.04	0.38	0.32	3.70	6.55	3.20	0.95	0.85	0.75	0.41	0.29	0.26	
15	1.04	0.70	0.35	9.00	73.50	3.20	0.95	0.85	0.75	0.38	0.29	0.26	
16	1.20	0.55	0.32	4.30	45.50	3.20	1.10	1.10	0.75	0.38	0.29	0.26	
17	1.20	0.55	0.32	4.30	22.10	3.05	1.20	1.80	0.70	0.38	0.29	0.26	
18	1.36	0.65	0.55	3.90	19.10	2.75	1.10	1.60	0.70	0.35	0.29	0.26	
19	1.20	0.60	1.40	3.35	17.00	2.60	1.20	1.20	0.70	0.35	0.26	0.26	
20	1.20	0.47	2.75	3.70	16.50	2.45	1.20	1.80	0.65	0.35	0.26	0.26	
21	1.20	0.32	7.95	13.05	19.70	2.30	1.10	2.60	0.65	0.35	0.23	0.26	
22	0.56	0.29	5.50	7.60	21.50	2.30	1.10	1.80	0.60	0.35	0.23	0.26	
23	0.36	0.32	3.50	8.30	25.25	5.30	1.00	1.50	0.60	0.35	0.23	0.26	
24	0.32	0.38	2.75	5.50	20.30	4.50	1.00	1.30	0.55	0.35	0.23	0.26	
25	0.32	0.47	2.75	4.30	16.50	1.80	1.20	1.30	0.50	0.35	0.26	0.23	
26	2.50	0.55	2.00	4.30	13.50	1.60	1.20	1.20	0.50	0.35	0.26	0.23	
27	1.40	0.38	1.50	4.10	13.50	1.40	1.10	1.10	0.50	0.35	0.26	0.23	
28	0.50	0.38	1.50	4.90	13.50	3.90	1.00	1.00	0.50	0.32	0.26	0.20	
29	0.41	0.75	5.10	6.90	12.15	2.75	1.00	1.00	0.47	0.32		0.20	
30	0.35	1.60	5.30	6.90	11.70	2.75	1.00	1.00	0.47	0.32		0.16	
31		0.70		6.20	13.50		0.95		0.47	0.32		0.16	
TOTAL	23.00	13.49	49.29	134.50	475.05	126.60	39.45	35.95	21.41	12.11	8.06	7.62	946.53 CMSDAY
MEAN	0.77	0.44	1.64	4.34	15.32	4.22	1.27	1.20	0.69	0.39	0.29	0.25	2.59 CMS
MAX	2.50	1.60	7.95	13.05	73.50	13.50	2.60	2.60	0.95	0.47	0.32	0.29	73.50 CMS
MIN	0.32	0.16	0.26	1.70	4.70	1.40	0.95	0.85	0.47	0.32	0.23	0.16	0.16 CMS
RUNOFF	1.987	1.166	4.259	11.621	41.044	10.938	3.408	3.106	1.850	1.046	0.696	0.658	81.780 MCM

MOMENTARY PEAK 86.50 CMS, AT 1.80 M (A.D), AT 9.00 HOURS, ON AUG 15, 1985
RUNOFF YIELD 52.92 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1765.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAN RIVER BASIN

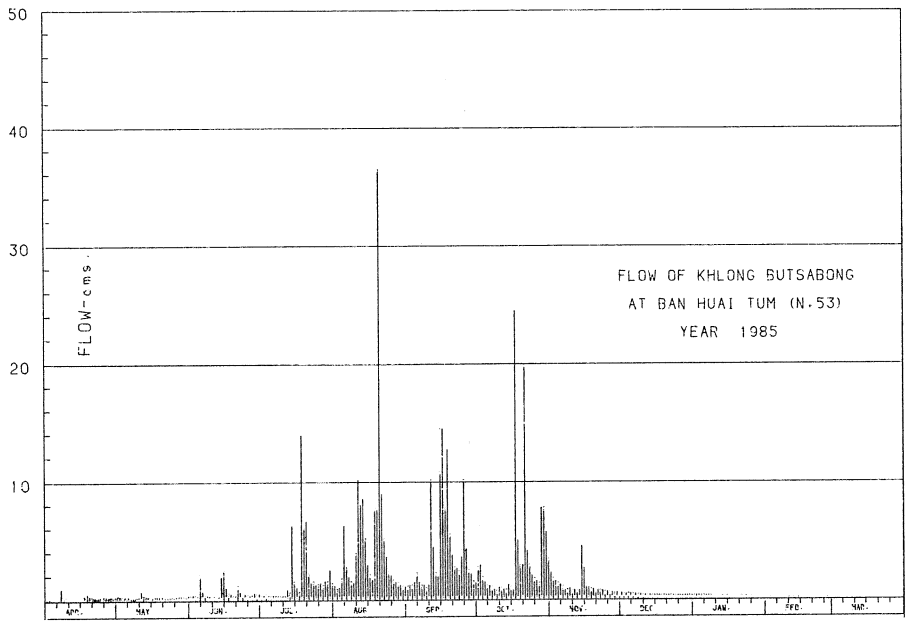
KHLONG BUTSABONG AT BAN HUAI TUM, PHETCHABUN (N.53)

LOCATION	LAT. 16-11-26 N., LONG. 100-55-40 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY AT BAN HUAI TUM, AMPHOE CHON DAN, PHETCHABUN.
DRAINAGE AREA	111 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.713 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 27 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.31	0.60	0.60	0.61	0.75	0.75	0.90	0.86	0.64	0.55	0.46	0.39	
2	0.31	0.52	0.61	0.60	0.72	0.76	0.91	0.82	0.63	0.56	0.45	0.39	
3	0.30	0.51	0.61	0.63	0.73	0.76	0.83	0.80	0.62	0.56	0.45	0.38	
4	0.28	0.48	0.56	0.60	0.82	0.79	0.79	0.78	0.64	0.55	0.45	0.38	
5	0.26	0.47	0.85	0.59	1.10	0.86	0.76	0.76	0.63	0.55	0.45	0.38	
6	0.25	0.45	0.68	0.60	0.90	0.79	0.75	0.74	0.63	0.54	0.45	0.38	
7	0.72	0.43	0.66	0.59	0.83	0.76	0.74	0.70	0.62	0.54	0.45	0.38	
8	0.57	0.46	0.60	0.56	0.80	0.76	0.71	0.71	0.62	0.53	0.43	0.38	
9	0.50	0.46	0.55	0.55	0.78	0.73	0.70	0.72	0.61	0.51	0.42	0.38	
10	0.45	0.48	0.52	0.57	0.97	0.76	0.73	0.70	0.60	0.50	0.42	0.38	
11	0.40	0.68	0.55	0.57	1.30	1.30	0.73	0.70	0.60	0.50	0.42	0.38	
12	0.39	0.58	0.51	0.71	1.21	1.00	0.71	0.70	0.60	0.50	0.42	0.38	
13	0.38	0.54	0.50	0.67	1.22	0.86	0.71	0.70	0.60	0.50	0.42	0.38	
14	0.35	0.48	0.83	1.10	1.04	0.83	0.76	1.02	0.59	0.50	0.42	0.38	
15	0.39	0.46	0.90	0.80	0.91	1.33	0.74	0.89	0.58	0.50	0.41	0.38	
16	0.39	0.45	0.73	0.73	0.85	1.48	0.70	0.77	0.58	0.50	0.41	0.38	
17	0.52	0.44	0.66	0.68	0.81	1.18	1.84	0.73	0.57	0.50	0.41	0.38	
18	0.64	0.43	0.63	1.46	1.18	1.41	1.03	0.72	0.57	0.49	0.41	0.37	
19	0.55	0.48	0.60	1.10	1.17	1.06	0.91	0.71	0.57	0.49	0.40	0.37	
20	0.50	0.50	0.60	1.12	2.20	0.96	0.91	0.70	0.57	0.49	0.40	0.37	
21	0.47	0.46	0.76	0.86	1.24	0.90	1.68	0.70	0.57	0.49	0.39	0.36	
22	0.45	0.43	0.67	0.78	1.04	0.89	0.98	0.70	0.57	0.49	0.39	0.36	
23	0.44	0.47	0.66	0.80	0.95	0.87	0.91	0.69	0.56	0.48	0.39	0.36	
24	0.44	0.50	0.63	0.76	0.87	0.95	0.84	0.68	0.56	0.48	0.39	0.35	
25	0.54	0.48	0.62	0.77	0.84	1.30	0.82	0.67	0.55	0.47	0.39	0.35	
26	0.49	0.50	0.60	0.78	0.81	0.99	0.80	0.67	0.55	0.47	0.38	0.34	
27	0.49	0.53	0.61	0.76	0.79	0.88	0.78	0.66	0.55	0.46	0.38	0.34	
28	0.47	0.51	0.65	0.80	0.79	0.85	1.18	0.64	0.55	0.46	0.38	0.34	
29	0.46	0.50	0.63	0.80	0.76	0.80	1.18	0.65	0.55	0.46		0.33	
30	0.47	0.51	0.63	0.88	0.75	0.78	1.07	0.64	0.56	0.46		0.33	
31		0.60		0.78	0.74		0.94		0.55	0.45		0.33	
MEAN	0.44	0.50	0.64	0.76	0.96	0.94	0.90	0.73	0.59	0.50	0.42	0.37	
MAX	0.72	0.68	0.90	1.46	2.20	1.48	1.84	1.02	0.64	0.56	0.46	0.39	2.20
MIN	0.25	0.43	0.50	0.55	0.72	0.73	0.70	0.64	0.55	0.45	0.38	0.33	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.00 M (A.D), AT 9.00 HOURS, ON AUG 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 5.08 M (A.D)
RIGHT BANK ELEVATION 8.13 M (A.D), DRAINAGE AREA 111 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.11	0.40	0.40	0.44	1.20	1.20	2.80	2.32	0.56	0.35	0.26	0.19	
2	0.11	0.32	0.44	0.40	0.96	1.28	2.97	1.84	0.52	0.36	0.25	0.19	
3	0.10	0.31	0.44	0.52	1.04	1.28	1.96	1.60	0.48	0.36	0.25	0.18	
4	0.08	0.28	0.36	0.40	1.84	1.52	1.52	1.44	0.56	0.35	0.25	0.18	
5	0.06	0.27	2.20	0.39	6.30	2.32	1.28	1.28	0.52	0.35	0.25	0.18	
6	0.05	0.25	0.72	0.40	2.80	1.52	1.20	1.12	0.52	0.34	0.25	0.18	
7	0.96	0.23	0.64	0.39	1.96	1.28	1.12	0.80	0.48	0.34	0.25	0.18	
8	0.37	0.26	0.40	0.36	1.60	1.28	0.88	0.88	0.48	0.33	0.23	0.18	
9	0.30	0.26	0.35	0.35	1.44	1.04	0.80	0.96	0.44	0.31	0.22	0.18	
10	0.25	0.28	0.32	0.37	3.99	1.28	1.04	0.80	0.40	0.30	0.22	0.18	
11	0.20	0.72	0.35	0.37	10.20	10.20	1.04	0.80	0.40	0.30	0.22	0.18	
12	0.19	0.38	0.31	0.88	8.40	4.50	0.88	0.80	0.40	0.30	0.22	0.18	
13	0.18	0.34	0.30	0.68	8.60	2.32	0.88	0.80	0.40	0.30	0.22	0.18	
14	0.15	0.28	1.96	6.30	5.22	1.96	1.28	4.86	0.39	0.30	0.22	0.18	
15	0.19	0.26	2.80	1.60	2.97	10.89	1.12	2.68	0.38	0.30	0.21	0.18	
16	0.19	0.25	1.04	1.04	2.20	14.50	0.80	1.36	0.38	0.30	0.21	0.18	
17	0.32	0.24	0.64	0.72	1.72	7.82	24.70	1.04	0.37	0.30	0.21	0.18	
18	0.56	0.23	0.52	14.00	7.82	12.75	5.04	0.96	0.37	0.29	0.21	0.17	
19	0.35	0.28	0.40	6.30	7.63	5.58	2.97	0.88	0.37	0.29	0.20	0.17	
20	0.30	0.30	0.40	6.68	36.50	3.82	2.97	0.80	0.37	0.29	0.20	0.17	
21	0.27	0.26	1.28	2.32	9.00	2.80	19.90	0.80	0.37	0.29	0.19	0.16	
22	0.25	0.23	0.68	1.44	5.22	2.68	4.16	0.80	0.37	0.29	0.19	0.16	
23	0.24	0.27	0.64	1.60	3.65	2.44	2.97	0.76	0.36	0.28	0.19	0.16	
24	0.24	0.30	0.52	1.28	2.44	3.65	2.08	0.72	0.36	0.28	0.19	0.15	
25	0.34	0.28	0.48	1.36	2.08	10.20	1.84	0.68	0.35	0.27	0.19	0.15	
26	0.29	0.30	0.40	1.44	1.72	4.33	1.60	0.68	0.35	0.27	0.18	0.14	
27	0.29	0.33	0.44	1.28	1.52	2.56	1.44	0.64	0.35	0.26	0.18	0.14	
28	0.27	0.31	0.60	1.60	1.52	2.20	7.82	0.56	0.35	0.26	0.18	0.14	
29	0.26	0.30	0.52	1.60	1.28	1.60	7.82	0.60	0.35	0.26		0.13	
30	0.27	0.31	0.52	2.56	1.20	1.44	5.76	0.56	0.36	0.26		0.13	
31		0.40		1.44	1.12		3.48		0.35	0.25		0.13	
TOTAL	7.74	9.43	21.07	60.51	145.14	122.24	116.12	34.82	12.71	9.33	6.04	5.18	550.33 CMSDAY
MEAN	0.26	0.30	0.70	1.95	4.68	4.07	3.75	1.16	0.41	0.30	0.22	0.17	1.51 CMS
MAX	0.96	0.72	2.80	14.00	36.50	14.50	24.70	4.86	0.56	0.36	0.26	0.19	36.50 CMS
MIN	0.05	0.23	0.30	0.35	0.96	1.04	0.80	0.56	0.35	0.25	0.18	0.13	0.05 CMS
RUNOFF	0.669	0.815	1.820	5.228	12.540	10.562	10.033	3.008	1.098	0.806	0.522	0.448	47.549 MCM

MOMENTARY PEAK 66.30 CMS, AT 3.00 M (A.D), AT 9.00 HOURS, ON AUG 20, 1985
RUNOFF YIELD 13.58 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 597.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHAO PHRAYA RIVER BASIN

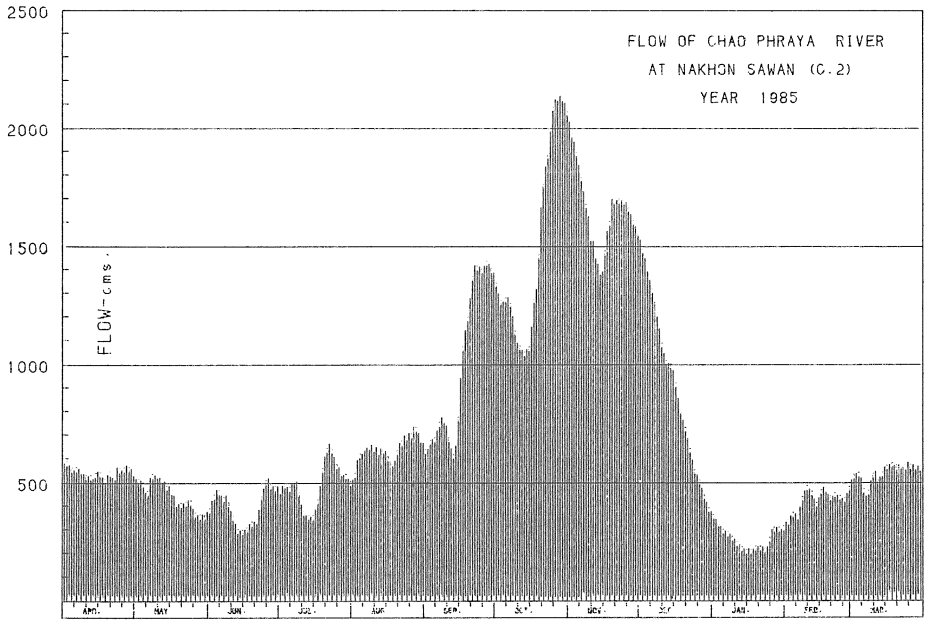
CHAO PHRAYA RIVER AT NAKHON SAWAN, NAKHON SAWAN (C.2)

LOCATION	LAT. 15-40-15 N., LONG. 100-06-45 E., ON LEFT BANK AT KHAI CHIRA PRAWAT ABOUT 3 KILOMETERS DOWNSTREAM FROM DECHATIWONG BRIDGE, AMPHOE MUANG, NAKHON SAWAN.
DRAINAGE AREA	110,569 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+17.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 20 METERS WEST OF THE GAGE SITE.
ELEVATION	+25.628 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1914 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1956 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1956 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 154 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	19.99	19.73	19.19	19.55	19.72	20.20	22.33	23.88	22.77	19.07	18.91	19.71	
2	20.02	19.73	19.34	19.61	19.83	20.21	22.21	23.77	22.68	18.97	18.95	19.80	
3	19.96	19.71	19.45	19.65	20.04	20.34	22.13	23.70	22.59	18.91	19.04	19.82	
4	19.92	19.67	19.54	19.59	20.14	20.36	22.12	23.60	22.49	18.83	19.11	19.83	
5	19.88	19.49	19.53	19.59	20.14	20.38	22.16	23.49	22.36	18.77	19.08	19.74	
6	19.92	19.52	19.44	19.66	20.25	20.49	22.17	23.37	22.26	18.74	19.05	19.55	
7	19.90	19.75	19.41	19.74	20.23	20.61	22.10	23.24	22.12	18.71	19.22	19.42	
8	19.89	19.81	19.44	19.69	20.27	20.68	21.95	23.12	21.99	18.67	19.41	19.52	
9	19.82	19.79	19.31	19.49	20.27	20.66	21.78	23.00	21.81	18.62	19.51	19.69	
10	19.79	19.82	19.15	19.27	20.24	20.56	21.65	22.80	21.64	18.57	19.61	19.81	
11	19.78	19.75	19.04	19.14	20.24	20.38	21.61	22.76	21.52	18.50	19.55	19.85	
12	19.79	19.72	18.89	19.06	20.19	20.22	21.56	22.63	21.43	18.44	19.51	19.70	
13	19.73	19.69	18.78	19.06	20.22	20.13	21.54	22.53	21.40	18.39	19.37	19.76	
14	19.83	19.61	18.75	19.03	20.21	20.26	21.57	22.46	21.39	18.34	19.30	19.84	
15	19.86	19.61	18.76	19.05	20.18	20.68	21.60	22.45	21.31	18.32	19.39	19.92	
16	19.84	19.53	18.77	19.17	20.09	21.21	21.83	22.66	21.14	18.34	19.53	19.95	
17	19.76	19.44	18.81	19.36	20.02	21.60	22.14	22.86	20.94	18.32	19.58	19.97	
18	19.73	19.31	18.88	19.61	20.02	21.79	22.26	22.95	20.78	18.33	19.58	19.99	
19	19.80	19.28	18.93	19.91	20.03	21.94	22.62	23.17	20.64	18.40	19.45	19.95	
20	19.85	19.30	18.93	20.10	20.19	22.16	23.09	23.16	20.53	18.40	19.42	19.96	
21	19.75	19.30	18.98	20.22	20.30	22.40	23.31	23.16	20.37	18.40	19.42	19.96	
22	19.79	19.32	19.17	20.29	20.33	22.52	23.47	23.17	20.21	18.39	19.48	19.96	
23	19.92	19.35	19.43	20.21	20.41	22.51	23.58	23.16	20.04	18.35	19.44	19.92	
24	19.91	19.34	19.56	20.09	20.41	22.50	23.79	23.16	19.88	18.39	19.43	19.95	
25	19.88	19.19	19.70	19.97	20.45	22.48	24.01	23.14	19.80	18.60	19.38	20.00	
26	19.92	19.11	19.74	19.92	20.44	22.51	24.08	23.09	19.70	18.76	19.39	19.96	
27	19.96	19.06	19.63	19.86	20.55	22.56	24.10	23.02	19.57	18.81	19.47	19.96	
28	19.93	19.07	19.61	19.80	20.54	22.53	24.11	22.96	19.44	18.81	19.59	19.95	
29	19.90	19.08	19.60	19.81	20.45	22.48	24.10	22.90	19.31	18.81		19.94	
30	19.86	19.06	19.60	19.73	20.37	22.44	24.05	22.85	19.20	18.77		19.93	
31		19.13		19.69	20.30		23.97		19.13	18.84		19.90	
MEAN	19.86	19.46	19.25	19.64	20.23	21.33	22.68	23.07	20.98	18.60	19.36	19.85	
MAX	20.02	19.82	19.74	20.29	20.55	22.56	24.11	23.88	22.77	19.07	19.61	20.00	24.11
MIN	19.73	19.06	18.75	19.03	19.72	20.13	21.54	22.45	19.13	18.32	18.91	19.42	18.32

ANNUAL MAX MOMENTARY GAGE HEIGHT 24.12 M (MSL), AT 16.00 HOURS, ON OCT 28, 1985
ZERO GAGE AT BOTTOM ELEVATION 17.00 M (MSL), RIVER BED 14.86 M (MSL)
LEFT BANK ELEVATION 25.80 M (MSL)
RIGHT BANK ELEVATION 26.23 M (MSL), DRAINAGE AREA 110569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	582.	517.	391.	473.	514.	640.	1345.	2028.	1527.	365.	331.	512.	
2	591.	517.	425.	487.	542.	643.	1300.	1976.	1488.	344.	340.	534.	
3	575.	512.	450.	497.	596.	679.	1270.	1943.	1450.	331.	359.	539.	
4	565.	502.	471.	483.	623.	685.	1266.	1896.	1409.	314.	374.	542.	
5	554.	459.	469.	483.	623.	690.	1281.	1845.	1357.	302.	367.	519.	
6	565.	466.	447.	500.	654.	722.	1285.	1790.	1319.	296.	361.	473.	
7	560.	522.	440.	519.	648.	756.	1259.	1731.	1266.	290.	397.	443.	
8	557.	537.	447.	507.	660.	777.	1204.	1678.	1218.	282.	440.	466.	
9	539.	532.	418.	459.	660.	771.	1141.	1626.	1152.	272.	464.	507.	
10	532.	539.	382.	409.	651.	742.	1093.	1540.	1090.	262.	487.	537.	
11	529.	522.	359.	380.	651.	690.	1079.	1523.	1047.	249.	473.	547.	
12	532.	514.	327.	363.	637.	646.	1061.	1467.	1016.	238.	464.	510.	
13	517.	507.	304.	363.	646.	621.	1054.	1425.	1006.	228.	431.	524.	
14	542.	487.	298.	356.	643.	657.	1065.	1397.	1003.	220.	415.	544.	
15	549.	487.	300.	361.	634.	777.	1075.	1393.	976.	216.	436.	565.	
16	544.	469.	302.	387.	610.	943.	1159.	1480.	921.	220.	469.	572.	
17	524.	447.	310.	429.	591.	1075.	1274.	1566.	857.	216.	480.	577.	
18	517.	418.	325.	487.	591.	1144.	1319.	1605.	808.	218.	480.	582.	
19	534.	411.	335.	562.	593.	1200.	1463.	1700.	765.	230.	450.	572.	
20	547.	415.	335.	613.	637.	1281.	1665.	1696.	733.	230.	443.	575.	
21	522.	415.	346.	646.	668.	1372.	1763.	1696.	688.	230.	443.	575.	
22	532.	420.	387.	665.	676.	1421.	1836.	1700.	643.	228.	457.	575.	
23	565.	427.	445.	643.	699.	1417.	1887.	1696.	596.	221.	447.	565.	
24	562.	425.	476.	610.	699.	1413.	1985.	1696.	554.	228.	445.	572.	
25	554.	391.	510.	577.	710.	1405.	2089.	1687.	534.	268.	433.	585.	
26	565.	374.	519.	565.	707.	1417.	2122.	1665.	510.	300.	436.	575.	
27	575.	363.	492.	549.	739.	1438.	2132.	1635.	478.	310.	454.	575.	
28	567.	365.	487.	534.	736.	1425.	2137.	1609.	447.	310.	483.	572.	
29	560.	367.	485.	537.	710.	1405.	2132.	1583.	418.	310.		570.	
30	549.	363.	485.	517.	688.	1388.	2108.	1562.	393.	302.		567.	
31		378.		507.	668.		2070.		378.	316.		560.	
TOTAL	16506.	14068.	12167.	15468.	20104.	30240.	46919.	49834.	28047.	8346.	12059.	16931.	270689. CMSDAY
MEAN	550.	454.	406.	499.	649.	1008.	1514.	1661.	905.	269.	431.	546.	742. CMS
MAX	591.	539.	519.	665.	739.	1438.	2137.	2028.	1527.	365.	487.	585.	2137. CMS
MIN	517.	363.	298.	356.	514.	621.	1054.	1393.	378.	216.	331.	443.	216. CMS
RUNOFF	1426.1	1215.5	1051.2	1336.4	1737.0	2612.7	4053.8	4305.7	2423.3	721.1	1041.9	1462.8	23387.5 MCM

MOMENTARY PEAK 2141.60 CMS, AT 24.12 M (MSL), AT 16.00 HOURS, ON OCT 28, 1985

RUNOFF YIELD 6.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHAO PHRAYA RIVER BASIN

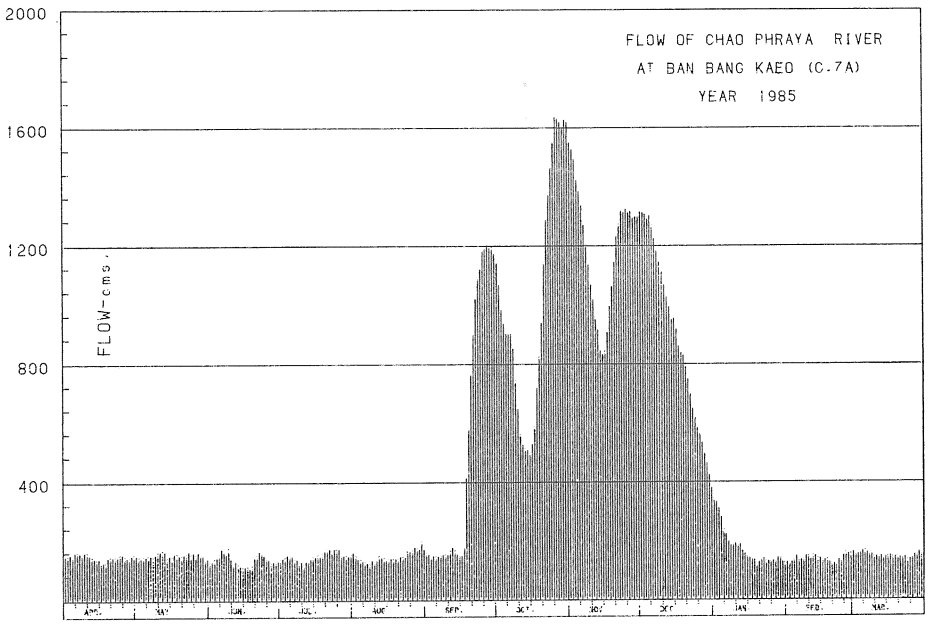
CHAO PHRAYA RIVER AT BAN BANG KAEO, ANG THONG (C.7A)

LOCATION	LAT. 14-35-05 N., LONG. 100-27-12 E., ON LEFT BANK ABOUT 40 METERS DOWNSTREAM FROM ANG THONG BRIDGE, BAN BANG KAEO, AMPHOE MUANG, ANG THONG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 21 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.15 M. (M.S.L.)
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	1976-1979, 1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1976-1979, 1984 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.64	0.49	0.55	0.72	0.73	5.03	6.10	5.50	1.86	0.46	0.72	
2	0.64	0.62	0.49	0.58	0.65	0.68	4.79	6.07	5.52	1.80	0.46	0.69	
3	0.67	0.58	0.57	0.61	0.56	0.64	4.54	5.96	5.48	1.74	0.46	0.67	
4	0.65	0.63	0.60	0.66	0.55	0.64	4.36	5.81	5.46	1.52	0.55	0.77	
5	0.73	0.62	0.69	0.66	0.51	0.63	4.27	5.69	5.47	1.24	0.62	0.74	
6	0.74	0.66	0.81	0.63	0.49	0.63	4.24	5.58	5.38	1.14	0.56	0.76	
7	0.71	0.65	0.82	0.56	0.45	0.69	4.27	5.38	5.25	1.03	0.53	0.71	
8	0.71	0.62	0.68	0.55	0.44	0.67	4.07	5.19	5.15	0.88	0.55	0.71	
9	0.73	0.67	0.84	0.48	0.52	0.68	3.67	4.99	5.02	0.95	0.63	0.66	
10	0.73	0.74	0.57	0.49	0.50	0.67	3.29	4.82	4.94	0.92	0.68	0.61	
11	0.66	0.74	0.46	0.42	0.52	0.77	2.93	4.63	4.79	0.93	0.54	0.61	
12	0.62	0.78	0.51	0.49	0.65	0.84	2.77	4.43	4.68	0.91	0.64	0.63	
13	0.58	0.74	0.44	0.56	0.60	0.77	2.71	4.29	4.55	0.83	0.63	0.62	
14	0.55	0.60	0.37	0.57	0.60	0.68	2.68	4.07	4.43	0.68	0.57	0.61	
15	0.57	0.64	0.35	0.63	0.52	0.69	2.64	4.00	4.42	0.67	0.57	0.60	
16	0.51	0.63	0.36	0.62	0.57	0.64	2.78	4.04	4.32	0.58	0.53	0.62	
17	0.48	0.69	0.37	0.67	0.58	0.89	3.04	4.26	4.10	0.60	0.53	0.63	
18	0.48	0.70	0.30	0.62	0.56	2.22	3.58	4.58	4.05	0.53	0.54	0.61	
19	0.60	0.65	0.40	0.69	0.57	3.03	3.97	4.77	3.99	0.42	0.46	0.60	
20	0.62	0.66	0.59	0.75	0.58	3.74	4.37	5.04	3.88	0.46	0.44	0.62	
21	0.61	0.67	0.67	0.82	0.62	4.26	5.02	5.27	3.69	0.59	0.42	0.58	
22	0.62	0.70	0.74	0.81	0.63	4.64	5.43	5.39	3.52	0.57	0.45	0.61	
23	0.61	0.74	0.75	0.78	0.61	4.87	5.68	5.51	3.30	0.51	0.52	0.59	
24	0.67	0.68	0.65	0.81	0.76	4.95	5.89	5.52	3.20	0.49	0.53	0.53	
25	0.68	0.72	0.63	0.81	0.74	5.16	6.12	5.53	3.02	0.53	0.63	0.54	
26	0.63	0.68	0.55	0.81	0.77	5.15	6.31	5.52	2.97	0.50	0.72	0.62	
27	0.59	0.73	0.47	0.67	0.85	5.20	6.32	5.51	2.80	0.52	0.68	0.64	
28	0.61	0.72	0.49	0.65	0.83	5.16	6.27	5.47	2.66	0.58	0.68	0.70	
29	0.64	0.64	0.52	0.66	0.80	5.17	6.24	5.46	2.46	0.63		0.72	
30	0.68	0.58	0.51	0.63	1.00	5.10	6.29	5.48	2.30	0.48		0.71	
31		0.57		0.68	0.79		6.29		2.05	0.45		0.67	
MEAN	0.63	0.67	0.56	0.64	0.63	2.35	4.51	5.15	4.14	0.82	0.56	0.65	
MAX	0.74	0.78	0.84	0.82	1.00	5.20	6.32	6.10	5.52	1.86	0.72	0.77	6.32
MIN	0.48	0.57	0.30	0.42	0.44	0.63	2.64	4.00	2.05	0.42	0.42	0.53	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.33 M (MSL), AT 6.00 HOURS, ON OCT 27, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED -7.36 M (MSL)
LEFT BANK ELEVATION 8.06 M (MSL)
RIGHT BANK ELEVATION 8.09 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	148.	150.	130.	138.	161.	162.	1148.	1549.	1313.	343.	126.	161.	
2	150.	147.	130.	141.	151.	155.	1067.	1537.	1320.	332.	126.	157.	
3	154.	141.	140.	145.	139.	150.	990.	1492.	1306.	321.	126.	154.	
4	151.	148.	144.	152.	138.	150.	936.	1430.	1298.	281.	138.	168.	
5	162.	147.	157.	152.	132.	148.	909.	1384.	1302.	236.	147.	164.	
6	164.	152.	173.	148.	130.	148.	900.	1343.	1269.	221.	139.	166.	
7	159.	151.	175.	139.	125.	157.	909.	1269.	1224.	205.	135.	159.	
8	159.	147.	155.	138.	123.	154.	852.	1203.	1189.	183.	138.	159.	
9	162.	154.	178.	128.	134.	155.	743.	1135.	1145.	193.	148.	152.	
10	162.	164.	140.	130.	131.	154.	647.	1077.	1118.	189.	155.	145.	
11	152.	164.	126.	121.	134.	168.	561.	1017.	1067.	190.	136.	145.	
12	147.	169.	132.	130.	151.	178.	526.	957.	1033.	187.	150.	148.	
13	141.	164.	123.	139.	144.	168.	513.	915.	993.	176.	148.	147.	
14	138.	144.	115.	140.	144.	155.	507.	852.	957.	155.	140.	145.	
15	140.	150.	112.	148.	134.	157.	498.	832.	954.	154.	140.	144.	
16	132.	148.	113.	147.	140.	150.	528.	843.	924.	141.	135.	147.	
17	128.	157.	115.	154.	141.	185.	586.	906.	860.	144.	135.	148.	
18	128.	158.	107.	147.	139.	414.	719.	1002.	846.	135.	136.	145.	
19	144.	151.	118.	157.	140.	583.	824.	1061.	829.	121.	126.	144.	
20	147.	152.	143.	165.	141.	762.	939.	1152.	800.	126.	123.	147.	
21	145.	154.	154.	175.	147.	906.	1145.	1231.	748.	143.	121.	141.	
22	147.	158.	164.	173.	148.	1020.	1287.	1272.	704.	140.	125.	145.	
23	145.	164.	165.	169.	145.	1094.	1380.	1317.	649.	132.	134.	143.	
24	154.	155.	151.	173.	166.	1121.	1463.	1320.	624.	130.	135.	135.	
25	155.	161.	148.	173.	164.	1192.	1557.	1324.	581.	135.	148.	136.	
26	148.	155.	138.	173.	168.	1189.	1635.	1320.	569.	131.	161.	147.	
27	143.	162.	127.	154.	179.	1206.	1639.	1317.	532.	134.	155.	150.	
28	145.	161.	130.	151.	176.	1192.	1619.	1302.	503.	141.	155.	158.	
29	150.	150.	134.	152.	172.	1196.	1606.	1298.	462.	148.		161.	
30	155.	141.	132.	148.	200.	1172.	1627.	1306.	430.	128.		159.	
31		140.		155.	171.		1627.		380.	125.		154.	
TOTAL	4455.	4759.	4169.	4655.	4608.	15741.	31887.	35963.	27929.	5520.	3881.	4674.	148241. CMSDAY
MEAN	149.	154.	139.	150.	149.	525.	1029.	1199.	901.	178.	139.	151.	406. CMS
MAX	164.	169.	178.	175.	200.	1206.	1639.	1549.	1320.	343.	161.	168.	1639. CMS
MIN	128.	140.	107.	121.	123.	148.	498.	832.	380.	121.	121.	135.	107. CMS
RUNOFF	384.9	411.2	360.2	402.2	398.1	1360.0	2755.0	3107.2	2413.1	476.9	335.3	403.8	12808.0 MCM

MOMENTARY PEAK 1643.30 CMS, AT 6.33 M (MSL), AT 6.00 HOURS, ON OCT 27, 1985
RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHAO PHRAYA RIVER BASIN

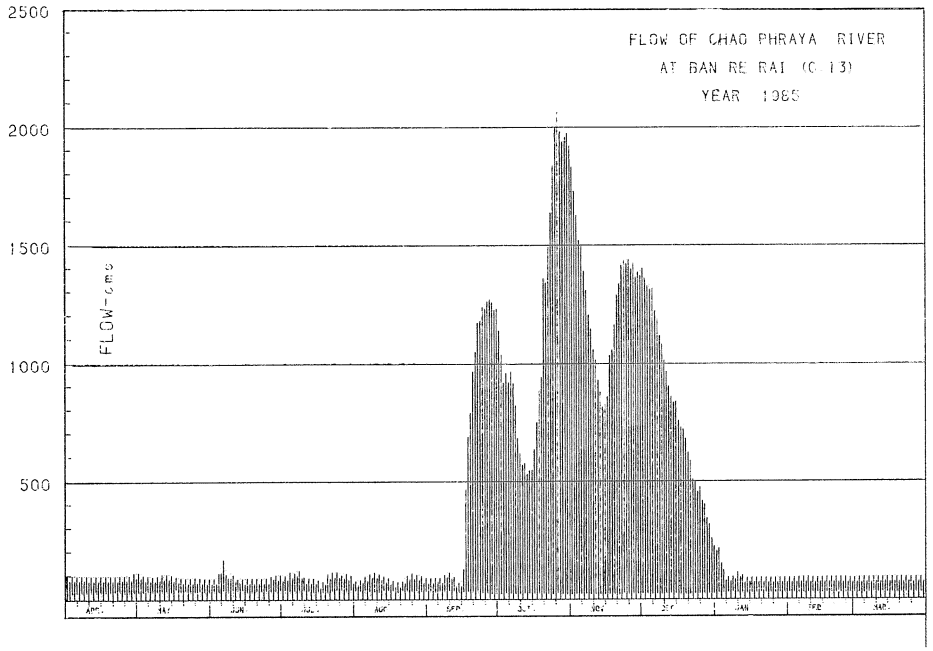
CHAO PHRAYA RIVER AT BAN RE RAI, CHAI NAT (C.13)

LOCATION	LAT. 15-09-57 N., LONG. 100-11-32 E., ON LEFT BANK AT WAT PHO NGAM ABOUT 1.5 KILOMETERS DOWNSTREAM FROM CHAO PHRAYA DIVERSION DAM, AMPHOE SANPHAYA, CHAINAT
DRAINAGE AREA	120,693 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+6.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE GAGE LINE.
ELEVATION	+15.634 M. (M.S.L.)
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	1947 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1953-1962, 1965-1968, 1972, 1975-1976, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1953-1962, 1965-1968, 1972, 1975-1976, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY CHAO PHRAYA DIVERSION DAM ABOVE GAGE SITE WHICH DIVERTED FOR IRRIGATION ABOUT 979,000 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 170 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.80	6.92	6.68	6.83	6.58	6.70	11.48	12.89	12.08	7.70	6.71	6.71	
2	6.80	6.91	6.69	6.80	6.60	6.70	11.12	12.75	12.02	7.65	6.71	6.72	
3	6.81	6.81	6.71	6.85	6.62	6.70	10.80	12.54	11.91	7.35	6.72	6.72	
4	6.81	6.80	6.91	6.95	6.72	6.70	10.87	12.37	11.92	7.01	6.73	6.72	
5	6.80	6.80	7.11	6.93	6.78	6.70	10.81	12.30	11.89	6.78	6.74	6.73	
6	6.80	6.78	7.34	6.91	6.80	6.70	10.89	12.09	11.70	6.73	6.74	6.73	
7	6.80	6.77	7.02	6.99	6.86	6.72	10.79	11.87	11.56	6.75	6.74	6.73	
8	6.81	6.78	6.71	7.00	6.91	6.83	10.39	11.65	11.42	6.75	6.74	6.73	
9	6.81	6.80	6.91	6.92	6.95	6.93	9.94	11.45	11.26	6.82	6.75	6.73	
10	6.79	6.82	6.85	6.75	6.91	6.92	9.63	11.24	11.10	6.93	6.72	6.73	
11	6.79	6.86	6.79	6.70	6.86	6.88	9.50	11.05	10.89	6.91	6.72	6.73	
12	6.79	6.86	6.67	6.70	6.84	6.74	9.45	10.83	10.75	6.81	6.72	6.73	
13	6.79	6.86	6.70	6.69	6.77	6.59	9.33	10.60	10.53	6.69	6.72	6.73	
14	6.79	6.86	6.69	6.69	6.74	6.50	9.32	10.43	10.51	6.70	6.72	6.73	
15	6.80	6.83	6.67	6.69	6.71	6.57	9.41	10.41	10.45	6.72	6.72	6.73	
16	6.80	6.80	6.70	6.62	6.65	7.04	9.69	10.59	10.22	6.71	6.72	6.74	
17	6.80	6.77	6.70	6.50	6.59	9.04	10.19	11.11	10.05	6.70	6.73	6.74	
18	6.80	6.73	6.70	6.54	6.54	9.90	10.62	11.24	10.09	6.70	6.73	6.74	
19	6.80	6.72	6.70	6.66	6.53	10.35	10.87	11.50	9.87	6.72	6.73	6.74	
20	6.80	6.72	6.70	6.87	6.53	10.89	11.98	11.86	9.71	6.72	6.73	6.74	
21	6.80	6.71	6.70	6.90	6.56	11.22	11.98	11.93	9.50	6.71	6.73	6.74	
22	6.80	6.71	6.69	6.94	6.70	11.52	12.28	12.15	9.23	6.70	6.73	6.74	
23	6.81	6.71	6.69	6.94	6.80	11.60	12.59	12.16	9.11	6.70	6.73	6.74	
24	6.81	6.71	6.70	6.95	6.87	11.70	12.90	12.17	9.00	6.70	6.73	6.74	
25	6.81	6.72	6.71	6.92	6.89	11.73	13.15	12.17	9.01	6.70	6.73	6.73	
26	6.82	6.72	6.79	6.83	6.87	11.76	13.22	12.12	8.82	6.70	6.72	6.73	
27	6.82	6.71	6.87	6.90	6.85	11.83	13.13	12.13	8.66	6.71	6.71	6.73	
28	6.83	6.70	6.84	6.88	6.83	11.75	13.05	12.03	8.45	6.71	6.71	6.73	
29	6.92	6.69	6.84	6.84	6.79	11.72	13.10	12.04	8.23	6.71		6.73	
30	6.92	6.69	6.84	6.81	6.72	11.68	13.10	12.05	8.00	6.71		6.73	
31		6.68		6.70	6.71		13.05		7.70	6.71		6.73	
MEAN	6.81	6.77	6.79	6.81	6.74	8.82	11.25	11.72	10.18	6.83	6.73	6.73	
MAX	6.92	6.92	7.34	7.00	6.95	11.83	13.22	12.89	12.08	7.70	6.75	6.74	13.22
MIN	6.79	6.68	6.67	6.50	6.53	6.50	9.32	10.41	7.70	6.69	6.71	6.71	6.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 13.23 M (MSL), AT 18.00 HOURS, ON OCT 26, 1985
ZERO GAGE AT BOTTOM ELEVATION 6.00 M (MSL), RIVER BED 1.71 M (MSL)
LEFT BANK ELEVATION 15.84 M (MSL)
RIGHT BANK ELEVATION 16.45 M (MSL), DRAINAGE AREA 120693 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	100.	113.	88.	103.	78.	90.	1156.	1831.	1402.	224.	91.	91.	
2	100.	112.	89.	100.	80.	90.	1035.	1745.	1376.	216.	91.	92.	
3	101.	101.	91.	105.	82.	90.	936.	1626.	1327.	169.	92.	92.	
4	101.	100.	112.	116.	92.	90.	958.	1535.	1331.	123.	93.	92.	
5	100.	100.	136.	114.	98.	90.	939.	1501.	1317.	98.	94.	93.	
6	100.	98.	168.	112.	100.	90.	964.	1406.	1238.	93.	94.	93.	
7	100.	97.	125.	121.	107.	92.	933.	1308.	1185.	95.	94.	93.	
8	101.	98.	91.	122.	112.	103.	820.	1219.	1133.	95.	94.	93.	
9	101.	100.	112.	113.	116.	114.	698.	1145.	1080.	102.	95.	93.	
10	99.	102.	105.	95.	112.	113.	619.	1073.	1029.	114.	92.	93.	
11	99.	107.	99.	90.	107.	109.	588.	1014.	964.	112.	92.	93.	
12	99.	107.	87.	90.	104.	94.	576.	945.	921.	101.	92.	93.	
13	99.	107.	90.	89.	97.	79.	548.	878.	859.	89.	92.	93.	
14	99.	107.	89.	89.	94.	70.	546.	831.	853.	90.	92.	93.	
15	100.	103.	87.	89.	91.	77.	566.	826.	837.	92.	92.	93.	
16	100.	100.	90.	82.	85.	127.	634.	875.	774.	91.	92.	94.	
17	100.	97.	90.	70.	79.	482.	765.	1032.	728.	90.	93.	94.	
18	100.	93.	90.	74.	74.	688.	884.	1073.	738.	90.	93.	94.	
19	100.	92.	90.	86.	73.	809.	958.	1163.	680.	92.	93.	94.	
20	100.	92.	90.	108.	73.	964.	1359.	1304.	639.	92.	93.	94.	
21	100.	91.	90.	111.	76.	1067.	1359.	1336.	588.	91.	93.	94.	
22	100.	91.	89.	115.	90.	1170.	1491.	1431.	525.	90.	93.	94.	
23	101.	91.	89.	115.	100.	1200.	1653.	1435.	498.	90.	93.	94.	
24	101.	91.	90.	116.	108.	1238.	1837.	1439.	473.	90.	93.	94.	
25	101.	92.	91.	113.	110.	1249.	2012.	1439.	475.	90.	93.	93.	
26	102.	92.	99.	103.	108.	1261.	2066.	1418.	434.	90.	92.	93.	
27	102.	91.	108.	111.	105.	1290.	1998.	1423.	401.	91.	91.	93.	
28	103.	90.	104.	109.	103.	1257.	1938.	1381.	360.	91.	91.	93.	
29	113.	89.	104.	104.	99.	1246.	1975.	1385.	318.	91.		93.	
30	113.	89.	104.	101.	92.	1230.	1975.	1389.	275.	91.		93.	
31		88.		90.	91.		1938.		224.	91.		93.	
TOTAL	3035.	3021.	2987.	3156.	2936.	16669.	36724.	38406.	24982.	3264.	2593.	2887.	140660. CMSDAY
MEAN	101.	97.	100.	102.	95.	556.	1185.	1280.	806.	105.	93.	93.	385. CMS
MAX	113.	113.	168.	122.	116.	1290.	2066.	1831.	1402.	224.	95.	94.	2066. CMS
MIN	99.	88.	87.	70.	73.	70.	546.	826.	224.	89.	91.	91.	70. CMS
RUNOFF	262.2	261.0	258.1	272.7	253.7	1440.2	3173.0	3318.3	2158.4	282.0	224.0	249.4	12153.0 MCM

MOMENTARY PEAK 2074.60 CMS, AT 13.23 M (MSL), AT 18.00 HOURS, ON OCT 26, 1985
RUNOFF YIELD 3.19 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 17.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHAO PHRAYA RIVER BASIN

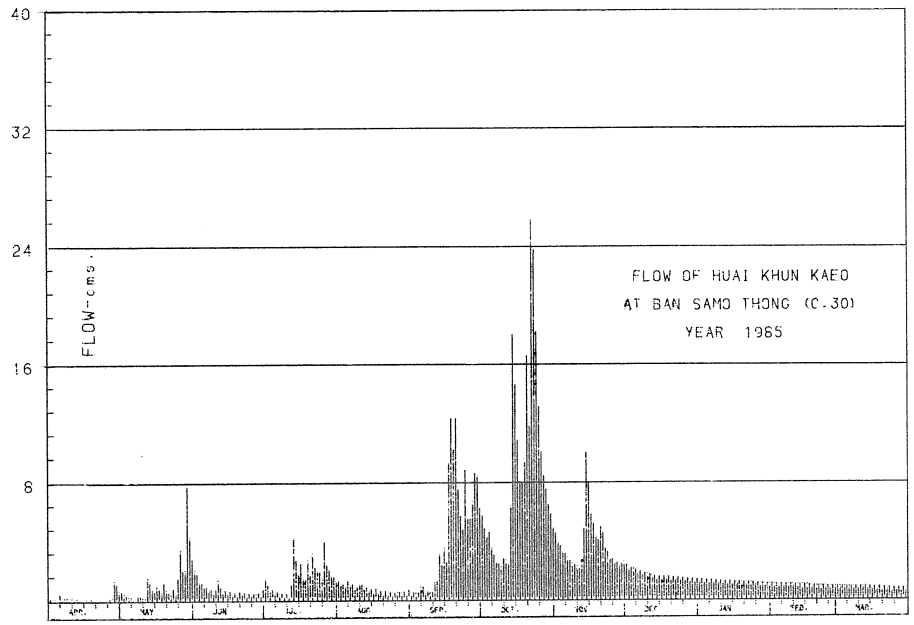
HUAI KHUN KAEO AT BAN SAMO THONG, UTHAI THANI (C.30)

LOCATION	LAT. 15-21-04 N., LONG. 99-32-22 E., ON RIGHT BANK INFRONT OF THE WAT SAMO THONG SCHOOL, BAN SAMO THONG, TAMBON KHOK KHWAI, AMPHOE BAN RAI, UTHAI THANI.
DRAINAGE AREA	219 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 60 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+11.75 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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 192 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.30	0.64	0.54	0.49	0.30	1.20	1.03	0.70	0.51	0.44	0.39	
2	0.13	0.26	0.59	0.42	0.48	0.28	1.07	0.96	0.67	0.51	0.43	0.39	
3	0.13	0.21	0.51	0.37	0.44	0.27	1.02	0.91	0.66	0.50	0.43	0.39	
4	0.13	0.18	0.46	0.34	0.44	0.27	1.04	0.87	0.65	0.50	0.43	0.39	
5	0.24	0.16	0.45	0.32	0.49	0.40	0.91	0.83	0.64	0.50	0.43	0.38	
6	0.16	0.15	0.39	0.30	0.46	0.39	0.82	0.79	0.63	0.50	0.43	0.38	
7	0.15	0.14	0.37	0.27	0.44	0.31	0.76	0.75	0.62	0.50	0.43	0.38	
8	0.14	0.26	0.35	0.26	0.41	0.30	0.71	0.72	0.61	0.49	0.43	0.38	
9	0.14	0.18	0.33	0.26	0.38	0.28	0.68	0.70	0.60	0.49	0.43	0.38	
10	0.13	0.15	0.34	0.25	0.49	0.28	0.78	0.68	0.59	0.49	0.43	0.38	
11	0.13	0.14	0.51	0.24	0.43	0.47	0.76	0.65	0.58	0.49	0.42	0.38	
12	0.13	0.54	0.39	0.42	0.41	0.48	0.70	0.72	0.57	0.48	0.42	0.39	
13	0.13	0.46	0.34	1.00	0.38	0.85	1.25	1.07	0.56	0.48	0.42	0.39	
14	0.13	0.35	0.33	0.76	0.36	0.69	2.08	1.59	0.55	0.48	0.42	0.38	
15	0.12	0.30	0.33	0.63	0.35	0.89	1.89	1.40	0.55	0.48	0.42	0.38	
16	0.12	0.41	0.31	0.72	0.34	0.73	1.64	1.21	0.55	0.47	0.42	0.37	
17	0.12	0.35	0.30	0.56	0.36	1.53	1.41	1.11	0.55	0.47	0.41	0.37	
18	0.12	0.30	0.28	0.51	0.33	1.74	1.40	1.02	0.55	0.47	0.41	0.37	
19	0.12	0.46	0.26	0.76	0.31	1.61	1.54	0.97	0.55	0.46	0.40	0.37	
20	0.12	0.34	0.30	0.57	0.31	1.74	2.00	1.11	0.54	0.46	0.40	0.36	
21	0.12	0.28	0.31	0.84	0.31	1.38	1.72	1.03	0.54	0.46	0.40	0.36	
22	0.13	0.24	0.28	0.67	0.30	1.17	2.48	0.91	0.54	0.46	0.40	0.36	
23	0.12	0.36	0.27	0.66	0.28	1.09	2.39	0.85	0.54	0.46	0.40	0.36	
24	0.12	0.28	0.26	0.61	0.28	1.48	2.09	0.80	0.54	0.46	0.40	0.35	
25	0.12	0.53	0.26	0.54	0.26	1.17	1.80	0.77	0.53	0.46	0.39	0.35	
26	0.19	0.87	0.25	0.95	0.30	1.15	1.58	0.75	0.53	0.45	0.39	0.35	
27	0.17	0.63	0.26	0.73	0.29	1.28	1.46	0.73	0.52	0.45	0.39	0.35	
28	0.50	0.64	0.27	0.64	0.30	1.46	1.36	0.71	0.52	0.45	0.39	0.35	
29	0.44	1.38	0.27	0.60	0.30	1.46	1.27	0.71	0.52	0.45		0.35	
30	0.32	1.00	0.34	0.55	0.30	1.23	1.19	0.74	0.51	0.44		0.35	
31		0.77		0.53	0.33		1.09		0.51	0.44		0.35	
MEAN	0.16	0.41	0.35	0.54	0.37	0.89	1.36	0.90	0.57	0.47	0.41	0.37	
MAX	0.50	1.38	0.64	1.00	0.49	1.74	2.48	1.59	0.70	0.51	0.44	0.39	2.48
MIN	0.12	0.14	0.25	0.24	0.26	0.27	0.68	0.65	0.51	0.44	0.39	0.35	0.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.78 M (A.D), AT 22.00 HOURS, ON OCT 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 11.30 M (A.D)
RIGHT BANK ELEVATION 11.99 M (A.D), DRAINAGE AREA 219 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.58	2.07	1.55	1.31	0.58	5.95	4.54	2.40	1.40	1.11	0.91	
2	0.19	0.48	1.80	1.03	1.27	0.53	4.86	4.02	2.24	1.40	1.07	0.91	
3	0.18	0.35	1.40	0.84	1.11	0.50	4.46	3.67	2.18	1.35	1.07	0.91	
4	0.19	0.28	1.19	0.73	1.11	0.50	4.62	3.41	2.12	1.35	1.07	0.91	
5	0.42	0.24	1.15	0.65	1.31	0.95	3.67	3.15	2.07	1.35	1.07	0.88	
6	0.24	0.22	0.91	0.58	1.19	0.91	3.08	2.90	2.01	1.35	1.07	0.88	
7	0.22	0.20	0.84	0.50	1.11	0.62	2.73	2.68	1.96	1.35	1.07	0.88	
8	0.20	0.48	0.76	0.48	0.99	0.58	2.46	2.51	1.91	1.31	1.07	0.88	
9	0.20	0.28	0.69	0.48	0.88	0.53	2.29	2.40	1.85	1.31	1.07	0.88	
10	0.18	0.22	0.73	0.45	1.31	0.53	2.84	2.29	1.80	1.31	1.07	0.88	
11	0.18	0.20	1.40	0.42	1.07	1.23	2.73	2.12	1.75	1.31	1.03	0.88	
12	0.18	1.55	0.91	1.03	0.99	1.27	2.40	2.51	1.70	1.27	1.03	0.91	
13	0.18	1.19	0.73	4.30	0.88	3.28	6.43	4.86	1.65	1.27	1.03	0.91	
14	0.18	0.76	0.69	2.73	0.80	2.35	18.04	10.18	1.60	1.27	1.03	0.89	
15	0.16	0.58	0.69	2.01	0.76	3.54	14.79	7.95	1.60	1.27	1.03	0.88	
16	0.16	0.99	0.62	2.51	0.73	2.57	10.86	6.05	1.60	1.23	1.03	0.84	
17	0.16	0.76	0.58	1.65	0.80	9.43	8.06	5.19	1.60	1.23	0.99	0.84	
18	0.16	0.58	0.53	1.40	0.69	12.34	7.95	4.46	1.60	1.23	0.99	0.84	
19	0.16	1.19	0.48	2.73	0.62	10.44	9.55	4.09	1.60	1.19	0.95	0.84	
20	0.16	0.73	0.58	1.70	0.62	12.34	16.60	5.19	1.55	1.19	0.95	0.80	
21	0.16	0.53	0.62	3.21	0.62	7.74	12.02	4.54	1.55	1.19	0.95	0.80	
22	0.18	0.42	0.53	2.24	0.58	5.69	25.80	3.67	1.55	1.19	0.95	0.80	
23	0.16	0.80	0.50	2.18	0.53	5.02	24.00	3.28	1.55	1.19	0.95	0.80	
24	0.16	0.53	0.48	1.91	0.53	8.83	18.22	2.95	1.55	1.19	0.95	0.76	
25	0.16	1.50	0.48	1.55	0.48	5.69	13.30	2.79	1.50	1.19	0.91	0.76	
26	0.30	3.41	0.45	3.95	0.58	5.52	10.05	2.68	1.50	1.15	0.91	0.76	
27	0.26	2.01	0.48	2.57	0.55	6.71	8.61	2.57	1.45	1.15	0.91	0.76	
28	1.35	2.07	0.50	2.07	0.58	8.61	7.53	2.46	1.45	1.15	0.91	0.76	
29	1.11	7.74	0.50	1.85	0.58	8.61	6.62	2.46	1.45	1.15		0.76	
30	0.65	4.30	0.73	1.60	0.58	6.24	5.86	2.62	1.40	1.11		0.76	
31		2.79		1.50	0.69		5.02		1.40	1.11		0.76	
TOTAL	8.35	37.96	24.02	52.40	25.85	133.68	271.40	114.19	53.14	38.71	28.24	26.02	813.96 CMSDAY
MEAN	0.28	1.22	0.80	1.69	0.83	4.46	8.75	3.81	1.71	1.25	1.01	0.84	2.23 CMS
MAX	1.35	7.74	2.07	4.30	1.31	12.34	25.80	10.18	2.40	1.40	1.11	0.91	25.80 CMS
MIN	0.16	0.20	0.45	0.42	0.48	0.50	2.29	2.12	1.40	1.11	0.91	0.76	0.16 CMS
RUNOFF	0.721	3.280	2.075	4.527	2.233	11.550	23.449	9.866	4.591	3.345	2.440	2.248	70.326 MCM

MOMENTARY PEAK 34.14 CMS, AT 2.78 M (A.D), AT 22.00 HOURS, ON OCT 22, 1985

RUNOFF YIELD 10.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 155.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SAKAE KRANG RIVER BASIN

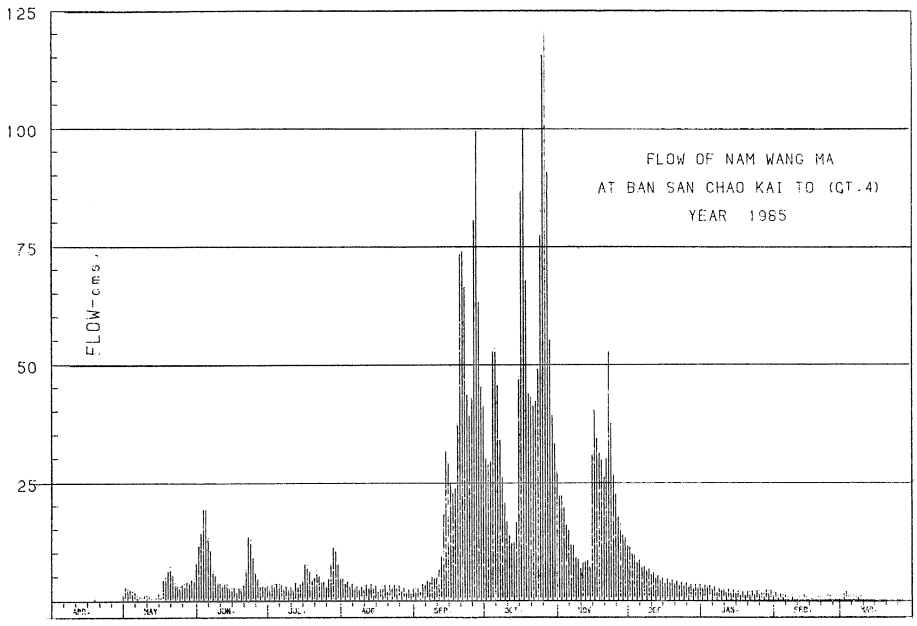
NAM WANG MA AT BAN SAN CHAO KAI TO, NAKHON SAWAN (CT.4)

LOCATION	LAT. 15-47-01 N., LONG. 99-40-55 E., ON LEFT BANK NEAR THE GAGE OBSERVER'S HOUSE AT BAN SAN CHAO KAI TO, AMPHOE LAT YAO, NAKHON SAWAN.
DRAINAGE AREA	1,246 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK DOWNSTREAM AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.323 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	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 - 1984
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 - 1984
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 447 DISCHARGE MEASUREMENTS MADE IN 1982 - 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.51	0.94	1.75	0.96	1.19	0.93	2.68	2.31	1.70	1.01	0.76	0.66	
2	0.51	0.91	1.89	1.02	1.16	0.92	2.61	2.35	1.65	1.00	0.70	0.83	
3	0.51	0.87	2.20	1.06	1.12	0.94	2.66	2.19	1.59	1.03	0.71	0.79	
4	0.51	0.84	2.17	1.06	1.08	1.05	3.46	2.04	1.53	1.00	0.69	0.64	
5	0.51	0.80	1.83	1.06	1.06	1.11	3.48	1.93	1.52	0.99	0.67	0.66	
6	0.51	0.70	1.65	1.03	1.01	1.14	3.22	1.77	1.46	0.94	0.62	0.67	
7	0.51	0.65	1.36	0.98	0.99	1.21	2.83	1.72	1.43	0.90	0.61	0.66	
8	0.51	0.62	1.25	0.97	0.99	1.23	2.50	1.60	1.41	0.89	0.70	0.69	
9	0.51	0.68	1.15	0.95	0.97	1.28	2.27	1.53	1.39	0.94	0.63	0.66	
10	0.51	0.70	1.07	0.96	1.00	1.21	2.04	1.45	1.35	0.85	0.63	0.64	
11	0.51	0.66	1.07	0.94	1.03	1.44	1.90	1.48	1.32	0.87	0.65	0.39	
12	0.51	0.58	1.05	1.09	1.04	1.57	1.75	1.54	1.27	0.87	0.61	0.54	
13	0.51	0.60	1.05	1.08	1.05	2.15	1.81	1.51	1.25	0.86	0.68	0.57	
14	0.51	0.60	0.91	1.04	1.01	2.72	2.03	1.46	1.23	0.85	0.61	0.61	
15	0.51	0.75	0.95	1.22	1.00	2.65	3.28	2.69	1.20	0.84	0.61	0.60	
16	0.51	0.61	0.94	1.46	0.93	2.44	4.39	3.06	1.16	0.82	0.56	0.61	
17	0.51	1.15	0.91	1.46	0.88	2.38	4.68	2.82	1.17	0.81	0.59	0.58	
18	0.63	1.22	0.93	1.34	1.02	2.39	3.91	2.73	1.16	0.79	0.60	0.51	
19	0.55	1.35	0.91	1.21	1.03	2.94	3.18	2.65	1.15	0.79	0.63	0.50	
20	0.26	1.43	1.02	1.21	0.95	4.06	3.14	2.53	1.13	0.80	0.60	0.48	
21	0.51	1.26	1.39	1.37	1.02	4.09	3.10	2.66	1.12	0.81	0.56	0.47	
22	0.51	1.08	1.84	1.24	1.03	3.87	3.11	3.48	1.10	0.82	0.63	0.50	
23	0.51	0.99	1.80	1.19	1.02	3.17	3.35	2.94	1.09	0.83	0.68	0.48	
24	0.51	0.99	1.55	1.12	1.03	3.00	4.16	2.54	1.09	0.84	0.65	0.53	
25	0.51	1.03	1.37	1.07	1.01	3.15	4.97	2.33	1.07	0.83	0.65	0.54	
26	0.51	1.06	1.18	1.18	0.96	4.24	5.04	2.12	1.06	0.75	0.66	0.56	
27	0.51	1.11	1.07	1.50	0.93	4.67	4.49	2.02	1.02	0.74	0.63	0.53	
28	0.51	1.16	0.98	1.69	0.90	3.78	3.54	1.91	1.01	0.85	0.65	0.51	
29	0.55	1.16	1.07	1.69	0.88	3.23	3.02	1.83	1.02	0.82		0.49	
30	0.81	1.21	0.99	1.46	0.87	3.07	2.78	1.76	1.02	0.84		0.49	
31		1.47		1.26	0.91		2.56		1.03	0.77		0.49	
MEAN	0.52	0.94	1.31	1.19	1.00	2.40	3.16	2.17	1.25	0.86	0.64	0.58	
MAX	0.81	1.47	2.20	1.69	1.19	4.67	5.04	3.48	1.70	1.03	0.76	0.83	5.04
MIN	0.26	0.58	0.91	0.94	0.87	0.92	1.75	1.45	1.01	0.74	0.56	0.39	0.26

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.08 M (A.D), AT 6.00 HOURS, ON OCT 26, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.50 M (A.D)
LEFT BANK ELEVATION 6.36 M (A.D)
RIGHT BANK ELEVATION 5.34 M (A.D), DRAINAGE AREA 1246 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	2.78	12.17	2.92	4.71	2.71	30.60	22.20	11.40	3.27	1.56	0.96	
2	0.06	2.57	14.31	3.34	4.44	2.64	28.85	23.00	10.63	3.20	1.20	2.01	
3	0.06	2.29	20.00	3.62	4.08	2.78	30.10	19.80	9.71	3.41	1.26	1.74	
4	0.06	2.08	19.40	3.62	3.76	3.55	52.80	16.80	8.79	3.20	1.14	0.84	
5	0.06	1.80	13.39	3.62	3.62	3.99	53.40	14.93	8.64	3.13	1.02	0.96	
6	0.06	1.20	10.63	3.41	3.27	4.26	45.60	12.47	7.72	2.78	0.72	1.02	
7	0.06	0.90	6.40	3.06	3.13	4.90	34.61	11.71	7.26	2.50	0.66	0.96	
8	0.06	0.72	5.30	2.99	3.13	5.10	26.20	9.87	6.95	2.43	1.20	1.14	
9	0.06	1.08	4.35	2.85	2.99	5.60	21.40	8.79	6.70	2.78	0.78	0.96	
10	0.06	1.20	3.69	2.92	3.20	4.90	16.80	7.57	6.30	2.15	0.78	0.84	
11	0.06	0.96	3.69	2.78	3.41	7.41	14.47	8.03	6.00	2.29	0.90	0.00	
12	0.06	0.48	3.55	3.83	3.48	9.41	12.17	8.95	5.50	2.29	0.66	0.24	
13	0.06	0.60	3.55	3.76	3.55	19.00	13.09	8.49	5.30	2.22	1.08	0.42	
14	0.06	0.60	2.57	3.48	3.27	31.64	16.60	7.72	5.10	2.15	0.66	0.66	
15	0.06	1.50	2.85	5.00	3.20	29.85	47.40	30.85	4.80	2.08	0.66	0.60	
16	0.06	0.66	2.78	7.72	2.71	24.88	86.78	40.88	4.44	1.94	0.36	0.66	
17	0.06	4.35	2.57	7.72	2.36	23.60	100.44	34.34	4.53	1.87	0.54	0.48	
18	0.78	5.00	2.71	6.20	3.34	23.80	67.85	31.91	4.44	1.74	0.60	0.06	
19	0.30	6.30	2.57	4.90	3.41	37.58	44.40	29.85	4.35	1.74	0.78	0.00	
20	0.00	7.26	3.34	4.90	2.85	73.40	43.20	26.92	4.17	1.80	0.60	0.00	
21	0.06	5.40	6.70	6.50	3.34	74.60	42.00	30.10	4.08	1.87	0.36	0.00	
22	0.06	3.76	13.55	5.20	3.41	66.45	42.30	53.40	3.90	1.94	0.78	0.00	
23	0.06	3.13	12.93	4.71	3.34	44.10	49.50	37.58	3.83	2.01	1.08	0.00	
24	0.06	3.13	9.10	4.08	3.41	39.20	77.40	27.16	3.83	2.08	0.90	0.18	
25	0.06	3.41	6.50	3.69	3.27	43.50	116.20	22.60	3.69	2.01	0.90	0.24	
26	0.06	3.62	4.62	4.62	2.92	80.60	120.80	18.40	3.62	1.50	0.96	0.36	
27	0.06	3.99	3.69	8.33	2.71	99.96	91.43	16.40	3.34	1.44	0.78	0.18	
28	0.06	4.44	3.06	11.25	2.50	63.30	55.20	14.62	3.27	2.15	0.90	0.06	
29	0.30	4.44	3.69	11.25	2.36	45.90	39.76	13.39	3.34	1.94		0.00	
30	1.87	4.90	3.13	7.72	2.29	41.16	33.26	12.32	3.34	2.08		0.00	
31		7.87		5.40	2.57		27.64		3.41	1.62		0.00	
TOTAL	4.75	92.42	206.79	155.39	100.03	919.77	1482.25	621.05	172.38	69.61	23.82	15.57	3863.83 CMSDAY
MEAN	0.16	2.98	6.89	5.01	3.23	30.66	47.81	20.70	5.56	2.25	0.85	0.50	10.59 CMS
MAX	1.87	7.87	20.00	11.25	4.71	99.96	120.80	53.40	11.40	3.41	1.56	2.01	120.80 CMS
MIN	0.00	0.48	2.57	2.78	2.29	2.64	12.17	7.57	3.27	1.44	0.36	0.00	0.00 CMS
RUNOFF	0.410	7.985	17.867	13.426	8.643	79.468	128.066	53.659	14.894	6.014	2.058	1.345	333.835 MCM

MOMENTARY PEAK 123.60 CMS, AT 5.08 M (A.D), AT 6.00 HOURS, ON OCT 26, 1985

RUNOFF YIELD 8.50 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 99.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SAKAE KRANG RIVER BASIN

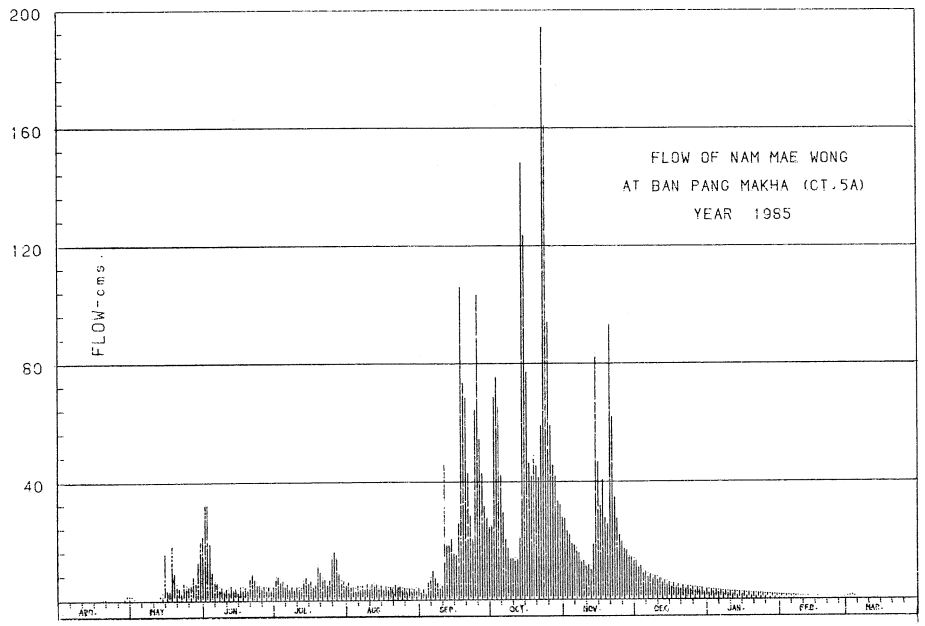
MAE WONG AT BAN PANG MAKHA, KAMPHAENG PHET (CT.5A)

LOCATION	LAT. 15-54-10 N., LONG. 99-28-45 E., ON LEFT BANK BEHIND WAT PANG MAKHA, AMPHOE KHANU WORALAKSABURI, KAMPHAENG PHET.
DRAINAGE AREA	938 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+4.60 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BY SOME SCOURING.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 175 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	0.42	1.38	0.80	0.71	0.59	1.24	1.27	0.95	0.57	0.43	0.38	
2	0.23	0.31	1.36	0.79	0.69	0.57	1.88	1.21	0.92	0.56	0.43	0.39	
3	0.25	0.26	1.12	0.76	0.62	0.57	1.97	1.16	0.90	0.56	0.42	0.42	
4	0.24	0.25	0.84	0.73	0.61	0.70	1.84	1.12	0.86	0.55	0.42	0.37	
5	0.24	0.22	0.76	0.70	0.65	0.78	1.54	1.08	0.84	0.55	0.41	0.35	
6	0.37	0.21	0.70	0.68	0.64	0.85	1.31	1.06	0.82	0.54	0.41	0.35	
7	0.32	0.21	0.64	0.65	0.65	0.81	1.15	1.02	0.81	0.54	0.40	0.34	
8	0.29	0.30	0.62	0.63	0.65	0.69	1.06	0.97	0.79	0.53	0.40	0.33	
9	0.26	0.24	0.60	0.64	0.68	0.66	1.00	0.95	0.79	0.53	0.39	0.33	
10	0.24	0.22	0.59	0.63	0.65	0.64	0.97	0.93	0.78	0.52	0.39	0.32	
11	0.22	0.20	0.61	0.63	0.68	1.59	0.98	0.91	0.76	0.52	0.39	0.32	
12	0.20	0.33	0.65	0.62	0.70	1.08	0.96	0.90	0.75	0.52	0.38	0.32	
13	0.18	0.42	0.64	0.74	0.67	1.11	1.16	1.09	0.73	0.51	0.38	0.31	
14	0.17	0.51	0.60	0.78	0.65	1.13	2.65	2.05	0.72	0.51	0.38	0.30	
15	0.16	1.02	0.59	0.75	0.65	1.04	2.46	1.59	0.70	0.51	0.37	0.29	
16	0.15	0.61	0.64	0.73	0.64	1.00	1.98	1.37	0.68	0.50	0.36	0.29	
17	0.20	0.54	0.64	0.69	0.64	1.26	1.60	1.50	0.68	0.49	0.36	0.29	
18	0.19	1.11	0.62	0.66	0.62	2.29	1.52	1.29	0.66	0.49	0.36	0.28	
19	0.30	0.83	0.64	0.92	0.62	1.95	1.62	1.23	0.66	0.48	0.35	0.27	
20	0.25	0.69	0.76	0.84	0.61	1.88	1.57	2.17	0.65	0.48	0.35	0.27	
21	0.23	0.60	0.85	0.78	0.66	1.55	1.53	1.80	0.64	0.47	0.35	0.26	
22	0.21	0.56	0.75	0.75	0.68	1.29	1.76	1.42	0.64	0.47	0.34	0.26	
23	0.19	0.70	0.72	0.72	0.63	1.15	2.96	1.27	0.63	0.47	0.34	0.25	
24	0.18	0.66	0.66	0.74	0.61	1.83	2.74	1.18	0.62	0.47	0.34	0.29	
25	0.21	0.63	0.66	1.00	0.60	2.27	2.18	1.11	0.61	0.46	0.33	0.28	
26	0.20	0.71	0.64	1.03	0.59	1.70	1.76	1.08	0.61	0.46	0.33	0.27	
27	0.21	0.79	0.63	1.00	0.59	1.55	1.59	1.04	0.60	0.45	0.33	0.26	
28	0.42	0.75	0.63	0.82	0.59	1.35	1.52	1.01	0.60	0.44	0.33	0.25	
29	0.43	0.94	0.63	0.74	0.58	1.29	1.40	0.98	0.59	0.44		0.24	
30	0.43	1.14	0.63	0.73	0.62	1.21	1.36	0.97	0.58	0.44		0.24	
31		1.15		0.72	0.60		1.30		0.57	0.43		0.23	
MEAN	0.25	0.57	0.73	0.75	0.64	1.21	1.63	1.22	0.71	0.50	0.37	0.30	
MAX	0.43	1.15	1.38	1.03	0.71	2.29	2.96	2.17	0.95	0.57	0.43	0.42	2.96
MIN	0.15	0.20	0.59	0.62	0.58	0.57	0.96	0.90	0.57	0.43	0.33	0.23	0.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.33 M (A.D), AT 21.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.08 M (A.D)
LEFT BANK ELEVATION 4.21 M (A.D)
RIGHT BANK ELEVATION 4.23 M (A.D), DRAINAGE AREA 938 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	1.44	33.40	8.20	6.04	3.84	26.00	27.50	13.20	3.52	1.56	1.08	
2	0.32	0.66	32.30	7.96	5.62	3.52	68.56	24.50	12.12	3.36	1.56	1.14	
3	0.40	0.44	20.16	7.24	4.36	3.52	76.22	22.08	11.40	3.36	1.44	1.44	
4	0.36	0.40	9.48	6.52	4.18	5.80	65.28	20.16	10.12	3.20	1.44	1.02	
5	0.36	0.28	7.24	5.80	4.90	7.72	43.28	18.36	9.48	3.20	1.32	0.90	
6	1.02	0.24	5.80	5.44	4.72	9.80	29.55	17.52	8.84	3.04	1.32	0.90	
7	0.72	0.24	4.72	4.90	4.90	8.52	21.60	15.84	8.52	3.04	1.20	0.84	
8	0.56	0.60	4.36	4.54	4.90	5.62	17.52	13.92	7.96	2.88	1.20	0.78	
9	0.44	0.36	4.00	4.72	5.44	5.08	15.00	13.20	7.96	2.88	1.14	0.78	
10	0.36	0.28	3.84	4.54	4.90	4.72	13.92	12.48	7.72	2.72	1.14	0.72	
11	0.28	0.20	4.18	4.54	5.44	46.63	14.28	11.76	7.24	2.72	1.14	0.72	
12	0.20	0.78	4.90	4.36	5.80	18.36	13.56	11.40	7.00	2.72	1.08	0.72	
13	0.16	1.44	4.72	6.76	5.26	19.68	22.08	18.78	6.52	2.56	1.08	0.66	
14	0.14	2.56	4.00	7.72	4.90	20.64	148.15	83.30	6.28	2.56	1.09	0.60	
15	0.12	15.84	3.84	7.00	4.90	16.68	124.40	46.63	5.80	2.56	1.02	0.56	
16	0.10	4.18	4.72	6.52	4.72	15.00	77.08	33.85	5.44	2.40	0.96	0.56	
17	0.20	3.04	4.72	5.62	4.72	27.00	47.30	40.60	5.44	2.28	0.96	0.56	
18	0.18	19.68	4.36	5.08	4.36	106.00	41.94	28.50	5.08	2.28	0.96	0.52	
19	0.60	9.16	4.72	12.12	4.36	74.50	48.72	25.50	5.08	2.16	0.90	0.48	
20	0.40	5.62	7.24	9.48	4.18	68.56	45.29	94.24	4.90	2.16	0.90	0.48	
21	0.32	4.00	9.80	7.72	5.08	43.95	42.61	62.00	4.72	2.04	0.90	0.44	
22	0.24	3.36	7.00	7.00	5.44	28.50	58.96	35.72	4.72	2.04	0.84	0.44	
23	0.18	5.80	6.28	6.28	4.54	21.60	194.98	27.50	4.54	2.04	0.84	0.40	
24	0.16	5.08	5.08	6.76	4.18	64.46	160.88	23.04	4.36	2.04	0.84	0.56	
25	0.24	4.54	5.08	15.00	4.00	104.00	95.16	19.68	4.18	1.92	0.78	0.52	
26	0.20	6.04	4.72	16.26	3.84	54.40	58.96	18.36	4.18	1.92	0.78	0.48	
27	0.24	7.96	4.54	15.00	3.84	43.95	46.63	16.68	4.00	1.80	0.78	0.44	
28	1.44	7.00	4.54	8.84	3.84	31.75	41.94	15.42	4.00	1.68	0.78	0.40	
29	1.56	12.84	4.54	6.76	3.68	28.50	34.50	14.28	3.84	1.68		0.36	
30	1.56	21.12	4.54	6.52	4.36	24.50	32.30	13.92	3.68	1.68		0.36	
31		21.60		6.28	4.00		29.00		3.52	1.56		0.32	
TOTAL	13.38	166.78	228.82	231.48	145.40	916.80	1755.65	825.72	201.84	76.00	29.94	20.18	4611.99 CMSDAY
MEAN	0.45	5.38	7.63	7.47	4.69	30.56	56.63	27.52	6.51	2.45	1.07	0.65	12.64 CMS
MAX	1.56	21.60	33.40	16.26	6.04	106.00	194.98	94.24	13.20	3.52	1.56	1.44	194.98 CMS
MIN	0.10	0.20	3.84	4.36	3.68	3.52	13.56	11.40	3.52	1.56	0.78	0.32	0.10 CMS
RUNOFF	1.156	14.410	19.770	20.000	12.563	79.212	151.688	71.342	17.439	6.566	2.587	1.744	398.476 MCM

MOMENTARY PEAK 263.30 CMS, AT 3.33 M (A.D), AT 21.00 HOURS, ON OCT 23, 1985

RUNOFF YIELD 13.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 280.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SAKAE KRANG RIVER BASIN

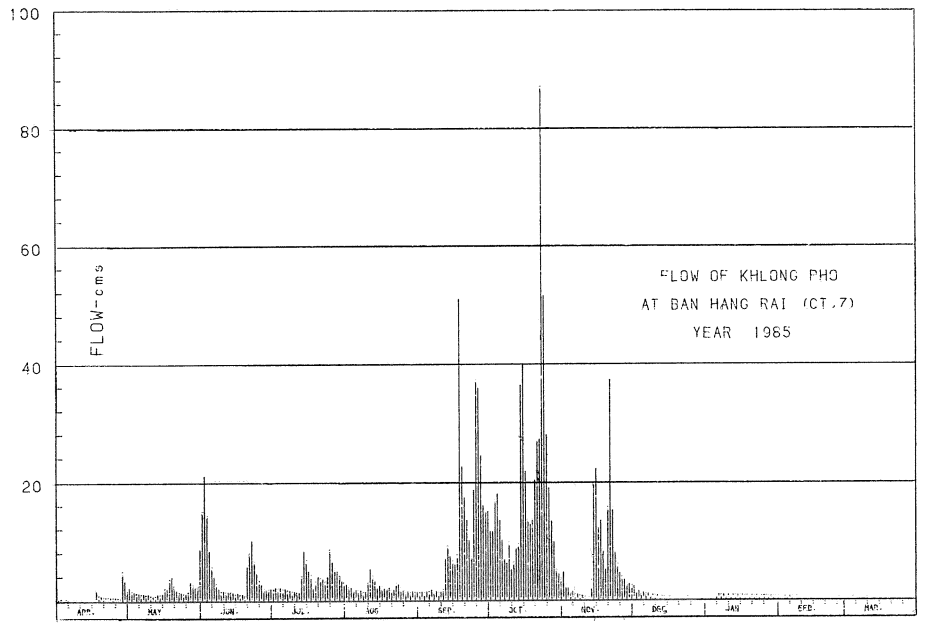
KHLONG PHO AT BAN HANG RAI, NAKHON SAWAN (CT.7)

LOCATION	LAT. 15-38-23 N., LONG. 99-32-20 E., ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE, BAN HANG RAI, AMPHOE LAT YAO, NAKHON SAWAN
DRAINAGE AREA	457 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+4.660 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	1975 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO 1984.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO 1984.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW WAS EFFECTED BY THE CONSTRUCTION OF DAM UPSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 711 DISCHARGE MEASUREMENTS MADE IN 1979 - 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.59	0.82	1.35	0.81	0.85	0.76	1.26	0.96	0.83	0.62	0.65	0.62	
2	0.61	0.79	1.53	0.82	0.83	0.76	1.24	0.85	0.79	0.62	0.65	0.63	
3	0.61	0.76	1.33	0.82	0.82	0.76	1.41	0.81	0.77	0.62	0.65	0.63	
4	0.61	0.75	1.13	0.82	0.81	0.77	1.44	0.79	0.75	0.65	0.65	0.63	
5	0.60	0.74	1.01	0.81	0.80	0.78	1.32	0.76	0.74	0.70	0.65	0.63	
6	0.59	0.73	0.92	0.81	0.80	0.80	1.19	0.73	0.73	0.70	0.65	0.62	
7	0.59	0.73	0.86	0.80	0.79	0.79	1.09	0.71	0.72	0.70	0.65	0.62	
8	0.58	0.72	0.81	0.79	0.77	0.78	1.04	0.70	0.71	0.69	0.65	0.62	
9	0.58	0.72	0.78	0.78	0.76	0.76	1.18	0.68	0.70	0.69	0.64	0.62	
10	0.58	0.70	0.78	0.77	0.87	0.76	0.98	0.66	0.69	0.69	0.64	0.62	
11	0.57	0.67	0.77	0.76	0.99	0.81	1.05	0.65	0.69	0.69	0.64	0.62	
12	0.57	0.69	0.76	0.75	0.93	1.08	1.14	0.64	0.68	0.69	0.64	0.62	
13	0.57	0.72	0.77	0.93	0.88	1.16	1.17	0.80	0.67	0.69	0.64	0.62	
14	0.56	0.72	0.75	1.13	0.85	1.10	1.91	1.50	0.66	0.69	0.64	0.62	
15	0.56	0.73	0.73	1.07	0.84	1.06	2.00	1.56	0.66	0.69	0.63	0.61	
16	0.56	0.82	0.74	0.97	0.83	1.03	1.55	1.27	0.65	0.69	0.63	0.61	
17	0.78	0.81	0.72	0.94	0.81	1.11	1.31	1.30	0.65	0.68	0.63	0.61	
18	0.71	0.90	0.72	0.81	0.83	2.22	1.28	1.14	0.64	0.68	0.63	0.61	
19	0.68	0.92	0.70	0.88	0.82	1.58	1.32	0.98	0.64	0.68	0.63	0.61	
20	0.67	0.84	1.01	0.92	0.81	1.42	1.51	1.37	0.63	0.68	0.63	0.61	
21	0.66	0.79	1.12	0.81	0.80	1.32	1.69	1.93	0.63	0.68	0.63	0.61	
22	0.66	0.77	1.19	0.90	0.87	1.19	1.69	1.37	0.63	0.68	0.62	0.61	
23	0.65	0.75	1.06	0.88	0.85	1.10	2.88	1.12	0.64	0.67	0.62	0.61	
24	0.65	0.74	0.95	0.92	0.82	1.46	2.23	1.03	0.65	0.67	0.62	0.64	
25	0.65	0.73	0.89	1.14	0.79	1.93	1.72	0.95	0.64	0.67	0.62	0.63	
26	0.64	0.77	0.85	1.05	0.79	1.90	1.47	0.92	0.64	0.67	0.62	0.62	
27	0.64	0.87	0.82	1.00	0.77	1.63	1.31	0.89	0.63	0.66	0.61	0.61	
28	0.97	0.85	0.80	0.97	0.76	1.38	1.18	0.86	0.63	0.66	0.61	0.61	
29	0.88	0.82	0.81	0.93	0.77	1.36	0.98	0.85	0.63	0.66		0.61	
30	0.79	0.84	0.81	0.88	0.77	1.35	0.94	0.84	0.63	0.66		0.60	
31		1.14		0.87	0.76		0.90		0.63	0.66		0.60	
MEAN	0.65	0.79	0.92	0.89	0.82	1.16	1.40	0.99	0.68	0.67	0.63	0.62	
MAX	0.97	1.14	1.53	1.14	0.99	2.22	2.88	1.93	0.83	0.70	0.65	0.64	2.88
MIN	0.56	0.67	0.70	0.75	0.76	0.76	0.90	0.64	0.63	0.62	0.61	0.60	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.15 M (A.D), AT 7.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.42 M (A.D)
LEFT BANK ELEVATION 4.45 M (A.D)
RIGHT BANK ELEVATION 4.66 M (A.D), DRAINAGE AREA 457 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.27	2.18	15.15	1.99	2.75	1.44	12.30	4.84	2.37	0.42	0.60	0.42	
2	0.36	1.71	21.14	2.18	2.37	1.44	11.70	2.75	1.71	0.42	0.60	0.48	
3	0.36	1.44	14.49	2.18	2.18	1.44	17.12	1.99	1.53	0.42	0.60	0.48	
4	0.36	1.35	8.40	2.18	1.99	1.53	18.08	1.71	1.35	0.60	0.60	0.48	
5	0.30	1.26	5.79	1.99	1.80	1.62	14.16	1.44	1.26	0.90	0.60	0.48	
6	0.27	1.17	4.08	1.99	1.80	1.80	10.20	1.17	1.17	0.90	0.60	0.42	
7	0.27	1.17	2.94	1.80	1.71	1.71	7.31	0.99	1.08	0.90	0.60	0.42	
8	0.24	1.08	1.99	1.71	1.53	1.62	6.36	0.90	0.99	0.84	0.60	0.42	
9	0.24	1.08	1.62	1.62	1.44	1.44	9.90	0.78	0.90	0.84	0.54	0.42	
10	0.24	0.90	1.62	1.53	3.13	1.44	5.22	0.66	0.84	0.84	0.54	0.42	
11	0.21	0.72	1.53	1.44	5.41	1.99	6.55	0.60	0.84	0.84	0.54	0.42	
12	0.21	0.84	1.44	1.35	4.27	7.12	8.70	0.54	0.78	0.84	0.54	0.42	
13	0.21	1.08	1.53	4.27	3.32	9.30	9.60	1.80	0.72	0.84	0.54	0.42	
14	0.18	1.08	1.35	8.40	2.75	7.50	36.45	20.00	0.66	0.84	0.54	0.42	
15	0.18	1.17	1.17	6.93	2.56	6.74	40.50	22.28	0.66	0.84	0.48	0.36	
16	0.18	2.18	1.26	5.03	2.37	6.17	21.90	12.60	0.60	0.84	0.48	0.36	
17	1.62	1.99	1.08	4.46	1.99	7.80	13.83	13.50	0.60	0.78	0.48	0.36	
18	0.99	3.70	1.08	1.99	2.37	51.08	12.90	8.70	0.54	0.78	0.48	0.36	
19	0.78	4.08	0.90	3.32	2.18	23.04	14.16	5.22	0.54	0.78	0.48	0.36	
20	0.72	2.56	5.79	4.08	1.99	17.44	20.38	15.81	0.48	0.78	0.48	0.36	
21	0.66	1.71	8.10	3.89	1.80	14.16	27.31	37.35	0.48	0.78	0.48	0.36	
22	0.66	1.53	10.20	3.70	3.13	10.20	27.31	15.81	0.48	0.78	0.42	0.36	
23	0.60	1.35	6.74	3.32	2.75	7.50	87.08	8.10	0.54	0.72	0.42	0.36	
24	0.60	1.26	4.65	4.08	2.18	18.72	51.62	6.17	0.60	0.72	0.42	0.54	
25	0.60	1.17	3.51	8.70	1.71	37.35	28.48	4.65	0.54	0.72	0.42	0.48	
26	0.54	1.53	2.75	6.55	1.71	36.00	19.04	4.08	0.54	0.72	0.42	0.42	
27	0.54	3.13	2.18	5.60	1.53	24.97	13.83	3.51	0.48	0.66	0.36	0.36	
28	5.03	2.75	1.80	5.03	1.44	16.14	9.90	2.94	0.48	0.66	0.36	0.36	
29	3.32	2.18	1.99	4.27	1.53	15.48	5.22	2.75	0.48	0.66		0.36	
30	1.71	2.56	1.99	3.32	1.53	15.15	4.46	2.56	0.48	0.66		0.30	
31		8.70		3.13	1.44		3.70		0.48	0.66		0.30	
TOTAL	22.45	60.61	138.26	112.03	70.66	349.33	575.27	206.20	25.20	22.98	14.22	12.48	1609.69 CMSDAY
MEAN	0.75	1.96	4.61	3.61	2.28	11.64	18.56	6.87	0.81	0.74	0.51	0.40	4.41 CMS
MAX	5.03	8.70	21.14	8.70	5.41	51.08	87.08	37.35	2.37	0.90	0.60	0.54	87.08 CMS
MIN	0.18	0.72	0.90	1.35	1.44	1.44	3.70	0.54	0.48	0.42	0.36	0.30	0.18 CMS
RUNOFF	1.940	5.237	11.946	9.679	6.105	30.182	49.703	17.816	2.177	1.985	1.229	1.078	139.077 MCM

MOMENTARY PEAK 103.20 CMS, AT 3.15 M (A.D), AT 7.00 HOURS, ON OCT 23, 1985

RUNOFF YIELD 9.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 225.82 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SAKAE KRANG RIVER BASIN

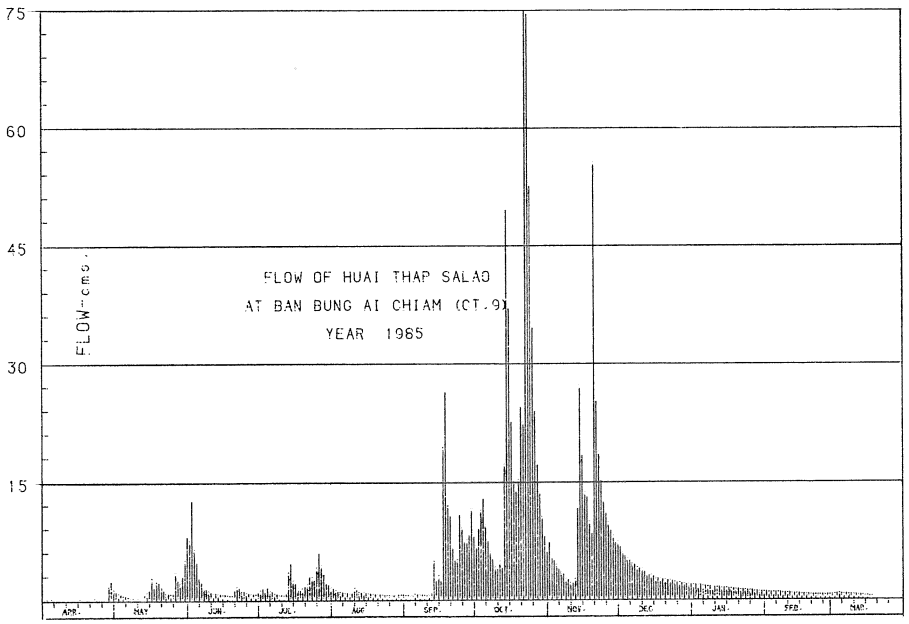
HUAI THAP SALAO AT BAN BUNG AI CHIAM, UTHAI THANI (CT.9)

LOCATION	LAT. 15-31-38 N., LONG. 99-28-10 E., ON LEFT BANK ABOUT 9 KILOMETERS UPSTREAM FROM CT.6, BAN BUNG AI CHIAM, KING AMPHOE LAN SAK UTHAI THANI.
DRAINAGE AREA	522 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+4.611 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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BY SOME SILTING.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 142 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.84	1.01	1.46	1.04	1.06	0.93	1.42	1.44	1.27	0.93	0.83	0.78	
2	0.84	0.99	1.71	1.06	1.04	0.93	1.53	1.35	1.23	0.93	0.82	0.79	
3	0.84	0.95	1.40	1.05	1.01	0.92	1.65	1.31	1.20	0.93	0.82	0.79	
4	0.84	0.93	1.30	1.07	1.01	0.91	1.72	1.28	1.18	0.93	0.82	0.80	
5	0.84	0.91	1.19	1.03	1.00	0.96	1.56	1.24	1.16	0.92	0.82	0.79	
6	0.88	0.89	1.13	1.01	0.99	0.94	1.45	1.22	1.14	0.92	0.82	0.79	
7	0.87	0.88	1.09	0.98	0.98	0.94	1.38	1.20	1.13	0.91	0.82	0.79	
8	0.86	0.87	1.05	0.96	0.97	0.94	1.32	1.16	1.11	0.91	0.81	0.78	
9	0.85	0.87	1.03	0.94	0.97	0.93	1.26	1.15	1.10	0.90	0.81	0.78	
10	0.84	0.86	1.00	0.94	1.08	0.92	1.24	1.13	1.10	0.90	0.81	0.78	
11	0.84	0.85	0.99	0.93	1.03	0.94	1.31	1.12	1.07	0.90	0.81	0.78	
12	0.84	0.87	0.99	0.96	1.01	0.97	1.25	1.16	1.06	0.90	0.80	0.77	
13	0.84	0.94	0.98	1.22	0.99	1.31	1.91	1.66	1.04	0.89	0.80	0.77	
14	0.84	1.00	0.96	1.29	1.01	1.14	2.93	2.28	1.04	0.89	0.80	0.77	
15	0.84	1.03	0.95	1.15	0.98	1.19	2.61	1.95	1.03	0.89	0.80	0.76	
16	0.84	1.17	0.95	1.12	0.97	1.14	2.11	1.76	1.01	0.88	0.79	0.76	
17	0.84	1.07	0.94	1.07	0.96	1.99	1.82	1.73	1.01	0.88	0.79	0.76	
18	0.84	1.14	0.93	1.03	0.96	2.25	1.76	1.58	1.01	0.87	0.79	0.75	
19	0.84	1.13	0.93	1.07	0.95	1.68	1.83	1.50	1.00	0.87	0.79	0.74	
20	0.84	1.08	1.03	1.09	0.95	1.61	2.18	2.95	1.00	0.87	0.78	0.73	
21	0.85	1.03	1.10	1.12	0.95	1.42	2.11	2.04	0.99	0.86	0.78	0.73	
22	0.86	0.99	1.07	1.18	0.94	1.31	3.57	1.81	0.99	0.86	0.78	0.73	
23	0.85	0.97	1.02	1.18	0.93	1.32	3.57	1.66	0.98	0.86	0.78	0.73	
24	0.85	0.97	1.02	1.15	0.93	1.62	3.01	1.56	0.97	0.85	0.78	0.72	
25	0.85	0.97	1.00	1.26	0.93	1.54	2.53	1.48	0.96	0.85	0.78	0.72	
26	0.88	1.22	0.98	1.37	0.92	1.44	2.16	1.43	0.96	0.85	0.78	0.72	
27	0.86	1.15	0.97	1.28	0.92	1.46	1.92	1.38	0.95	0.84	0.78	0.72	
28	1.13	1.13	0.96	1.20	0.93	1.49	1.75	1.35	0.95	0.84	0.78	0.72	
29	1.14	1.18	0.96	1.15	0.94	1.66	1.61	1.30	0.94	0.83		0.72	
30	1.05	1.32	0.99	1.11	0.94	1.48	1.48	1.31	0.94	0.83		0.72	
31		1.48		1.08	0.94		1.40		0.93	0.83		0.72	
MEAN	0.87	1.03	1.07	1.10	0.97	1.28	1.91	1.52	1.05	0.88	0.80	0.76	
MAX	1.14	1.48	1.71	1.37	1.08	2.25	3.57	2.95	1.27	0.93	0.83	0.80	3.57
MIN	0.84	0.85	0.93	0.93	0.92	0.91	1.24	1.12	0.93	0.83	0.78	0.72	0.72

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.11 M (A.D), AT 21.00 HOURS, ON OCT 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 4.67 M (A.D)
RIGHT BANK ELEVATION 4.37 M (A.D), DRAINAGE AREA 522 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	1.08	7.64	1.32	1.48	0.65	6.88	7.26	6.72	1.90	1.04	0.64	
2	0.20	0.95	12.62	1.48	1.32	0.65	9.00	5.65	6.08	1.90	0.96	0.72	
3	0.20	0.75	6.50	1.40	1.08	0.60	11.40	4.97	5.60	1.90	0.96	0.72	
4	0.20	0.65	4.80	1.56	1.08	0.55	12.84	4.50	5.28	1.90	0.96	0.80	
5	0.20	0.55	3.15	1.24	1.00	0.80	9.60	3.90	4.96	1.80	0.96	0.72	
6	0.40	0.45	2.25	1.08	0.95	0.70	7.45	3.60	4.64	1.80	0.96	0.72	
7	0.35	0.40	1.72	0.90	0.90	0.70	6.16	3.30	4.48	1.70	0.96	0.72	
8	0.30	0.35	1.40	0.80	0.85	0.70	5.14	2.70	4.16	1.70	0.88	0.64	
9	0.25	0.35	1.24	0.70	0.85	0.65	4.20	2.55	4.00	1.60	0.88	0.64	
10	0.20	0.30	1.00	0.70	1.64	0.60	3.90	2.25	4.00	1.60	0.88	0.64	
11	0.20	0.25	0.95	0.65	1.24	0.70	4.97	2.10	3.58	1.60	0.88	0.64	
12	0.20	0.35	0.95	0.80	1.08	0.85	4.05	2.70	3.44	1.60	0.80	0.56	
13	0.20	0.70	0.90	3.60	0.95	4.97	17.27	11.60	3.16	1.52	0.80	0.56	
14	0.20	1.00	0.80	4.65	1.08	2.40	49.54	27.24	3.16	1.52	0.80	0.56	
15	0.20	1.24	0.75	2.55	0.90	3.15	37.38	18.33	3.02	1.52	0.80	0.48	
16	0.20	2.85	0.75	2.10	0.85	2.40	22.60	13.72	2.74	1.44	0.72	0.48	
17	0.20	1.56	0.70	1.56	0.80	19.40	15.08	13.06	2.74	1.44	0.72	0.48	
18	0.20	2.40	0.65	1.24	0.80	26.40	13.72	10.00	2.74	1.36	0.72	0.40	
19	0.20	2.25	0.65	1.56	0.75	12.00	15.32	8.40	2.60	1.36	0.72	0.32	
20	0.20	1.64	1.24	1.72	0.75	10.60	24.47	55.60	2.60	1.36	0.64	0.24	
21	0.25	1.24	1.80	2.10	0.75	6.88	22.60	25.20	2.50	1.28	0.64	0.24	
22	0.30	0.95	1.56	3.00	0.70	4.97	74.94	18.86	2.50	1.28	0.64	0.24	
23	0.25	0.85	1.16	3.00	0.65	5.14	74.94	15.14	2.40	1.28	0.64	0.24	
24	0.25	0.85	1.16	2.55	0.65	10.80	52.58	12.78	2.30	1.20	0.64	0.16	
25	0.25	0.85	1.00	4.20	0.65	9.20	34.90	10.96	2.20	1.20	0.64	0.16	
26	0.40	3.60	0.90	5.99	0.60	7.26	23.93	9.86	2.20	1.20	0.64	0.16	
27	0.30	2.55	0.85	4.50	0.60	7.64	17.53	8.80	2.10	1.12	0.64	0.16	
28	2.25	2.25	0.80	3.30	0.65	8.21	13.50	8.20	2.10	1.12	0.64	0.16	
29	2.40	3.00	0.80	2.55	0.70	11.60	10.60	7.20	2.00	1.04		0.16	
30	1.40	5.14	0.95	1.95	0.70	8.02	8.02	7.40	2.00	1.04		0.16	
31		8.02		1.64	0.70		6.50		1.90	1.04		0.16	
TOTAL	12.55	49.37	61.64	66.39	27.70	169.19	621.01	327.83	103.90	45.32	22.16	13.68	1520.74 CMSDAY
MEAN	0.42	1.59	2.05	2.14	0.89	5.64	20.03	10.93	3.35	1.46	0.79	0.44	4.17 CMS
MAX	2.40	8.02	12.62	5.99	1.64	26.40	74.94	55.60	6.72	1.90	1.04	0.80	74.94 CMS
MIN	0.20	0.25	0.65	0.65	0.60	0.55	3.90	2.10	1.90	1.04	0.64	0.16	0.16 CMS
RUNOFF	1.084	4.266	5.326	5.736	2.393	14.618	53.655	28.325	8.977	3.916	1.915	1.182	131.392 MCM

MOMENTARY PEAK 98.46 CMS, AT 4.11 M (A.D), AT 21.00 HOURS, ON OCT 22, 1985

RUNOFF YIELD 7.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 188.62 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

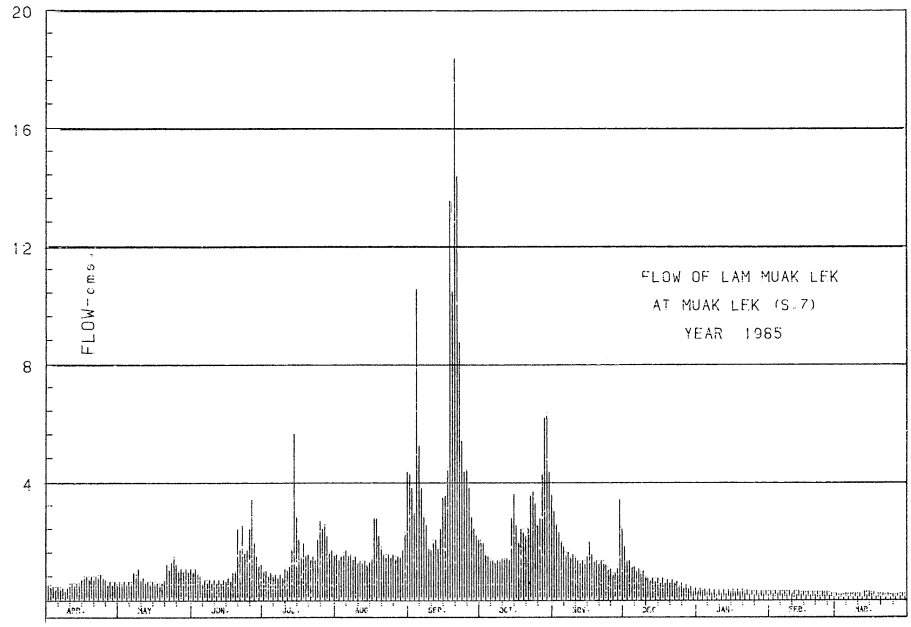
LAM MUAK LEK AT MUAK LEK, SARABURI (S.7)

LOCATION	LAT. 14-38-04 N., LONG. 101-12-37 E., ON LEFT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF SARABURI - NAKHON RATCHASIMA HIGHWAY, TAMBON MUAK LEK, AMPHOE MUAK LEK, SARABURI.
DRAINAGE AREA	177 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+6.919 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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.42	0.44	0.51	0.51	0.58	0.81	0.63	0.71	0.61	0.40	0.37	0.34	
2	0.42	0.44	0.51	0.50	0.57	0.77	0.62	0.68	0.56	0.40	0.37	0.33	
3	0.41	0.44	0.50	0.49	0.57	0.71	0.59	0.65	0.55	0.40	0.37	0.33	
4	0.41	0.44	0.47	0.49	0.59	1.13	0.57	0.63	0.53	0.39	0.37	0.33	
5	0.41	0.44	0.44	0.49	0.60	0.87	0.56	0.61	0.52	0.39	0.37	0.34	
6	0.41	0.44	0.45	0.48	0.59	0.77	0.55	0.59	0.51	0.39	0.37	0.34	
7	0.40	0.49	0.45	0.48	0.58	0.70	0.55	0.59	0.51	0.39	0.37	0.34	
8	0.40	0.48	0.45	0.48	0.57	0.67	0.55	0.58	0.50	0.38	0.37	0.34	
9	0.40	0.51	0.45	0.48	0.57	0.61	0.56	0.58	0.50	0.38	0.37	0.34	
10	0.43	0.46	0.45	0.51	0.55	0.60	0.56	0.58	0.48	0.38	0.37	0.34	
11	0.43	0.46	0.45	0.52	0.55	0.63	0.57	0.55	0.46	0.38	0.37	0.34	
12	0.43	0.45	0.45	0.52	0.55	0.63	0.56	0.55	0.46	0.38	0.37	0.34	
13	0.43	0.44	0.45	0.61	0.55	0.61	0.57	0.55	0.46	0.38	0.37	0.36	
14	0.43	0.44	0.45	0.89	0.54	0.66	0.69	0.55	0.46	0.38	0.36	0.36	
15	0.45	0.44	0.46	0.70	0.54	0.75	0.76	0.57	0.46	0.39	0.36	0.36	
16	0.47	0.44	0.46	0.63	0.57	0.75	0.67	0.63	0.45	0.39	0.36	0.36	
17	0.47	0.43	0.46	0.58	0.69	0.82	0.63	0.58	0.46	0.39	0.36	0.35	
18	0.47	0.43	0.49	0.62	0.70	1.24	0.66	0.56	0.45	0.39	0.36	0.35	
19	0.47	0.43	0.51	0.59	0.64	1.13	0.66	0.55	0.45	0.39	0.36	0.34	
20	0.47	0.46	0.66	0.58	0.61	1.39	0.64	0.55	0.45	0.39	0.36	0.34	
21	0.47	0.53	0.61	0.57	0.58	1.27	0.67	0.55	0.45	0.38	0.36	0.34	
22	0.48	0.52	0.67	0.57	0.58	1.05	0.75	0.55	0.45	0.38	0.36	0.33	
23	0.48	0.54	0.60	0.57	0.58	0.88	0.77	0.53	0.44	0.37	0.36	0.34	
24	0.48	0.57	0.60	0.63	0.58	0.81	0.73	0.52	0.43	0.37	0.36	0.33	
25	0.45	0.53	0.67	0.69	0.58	0.82	0.68	0.51	0.43	0.37	0.36	0.33	
26	0.44	0.51	0.74	0.66	0.57	0.77	0.69	0.49	0.42	0.37	0.36	0.33	
27	0.44	0.51	0.63	0.68	0.57	0.70	0.81	0.49	0.42	0.37	0.34	0.33	
28	0.44	0.51	0.57	0.64	0.58	0.66	0.92	0.53	0.42	0.37	0.34	0.34	
29	0.44	0.51	0.54	0.60	0.60	0.65	0.93	0.74	0.41	0.37		0.34	
30	0.44	0.51	0.53	0.60	0.65	0.63	0.81	0.67	0.40	0.37		0.34	
31		0.51		0.59	0.81		0.76		0.40	0.37		0.34	
MEAN	0.44	0.48	0.52	0.58	0.59	0.82	0.67	0.58	0.47	0.38	0.36	0.34	
MAX	0.48	0.57	0.74	0.89	0.81	1.39	0.93	0.74	0.61	0.40	0.37	0.36	1.39
MIN	0.40	0.43	0.44	0.48	0.54	0.60	0.55	0.49	0.40	0.37	0.34	0.33	0.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.68 M (A.D), AT 21.00 HOURS, ON SEP 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.64 M (A.D)
LEFT BANK ELEVATION 7.70 M (A.D)
RIGHT BANK ELEVATION 7.66 M (A.D), DRAINAGE AREA 177 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.64	1.07	1.07	1.56	4.36	2.06	3.03	1.82	0.40	0.31	0.22	
2	0.52	0.64	1.07	1.00	1.49	3.81	1.94	2.66	1.42	0.40	0.31	0.19	
3	0.46	0.64	1.00	0.94	1.49	3.03	1.63	2.30	1.35	0.40	0.31	0.19	
4	0.46	0.64	0.82	0.94	1.63	10.55	1.49	2.06	1.21	0.37	0.31	0.19	
5	0.46	0.64	0.64	0.94	1.70	5.32	1.42	1.82	1.14	0.37	0.31	0.22	
6	0.46	0.64	0.70	0.88	1.63	3.81	1.35	1.63	1.07	0.37	0.31	0.22	
7	0.40	0.94	0.70	0.88	1.56	2.90	1.35	1.63	1.07	0.37	0.31	0.22	
8	0.40	0.88	0.70	0.88	1.49	2.54	1.35	1.56	1.00	0.34	0.31	0.22	
9	0.40	1.07	0.70	0.88	1.49	1.82	1.42	1.56	1.00	0.34	0.31	0.22	
10	0.58	0.76	0.70	1.07	1.35	1.70	1.42	1.56	0.88	0.34	0.31	0.22	
11	0.58	0.76	0.70	1.14	1.35	2.06	1.49	1.35	0.76	0.34	0.31	0.22	
12	0.58	0.70	0.70	1.14	1.35	2.06	1.42	1.35	0.76	0.34	0.31	0.22	
13	0.58	0.64	0.70	1.82	1.35	1.82	1.49	1.35	0.76	0.34	0.31	0.28	
14	0.58	0.64	0.70	5.64	1.28	2.42	2.78	1.35	0.76	0.34	0.28	0.28	
15	0.70	0.64	0.76	2.90	1.28	3.55	3.68	1.49	0.76	0.37	0.28	0.28	
16	0.82	0.64	0.76	2.06	1.49	3.55	2.54	2.06	0.70	0.37	0.28	0.28	
17	0.82	0.58	0.76	1.56	2.78	4.52	2.06	1.56	0.76	0.37	0.28	0.25	
18	0.82	0.58	0.94	1.94	2.90	13.54	2.42	1.42	0.70	0.37	0.28	0.25	
19	0.82	0.58	1.07	1.63	2.18	10.55	2.42	1.35	0.70	0.37	0.28	0.22	
20	0.82	0.76	2.42	1.56	1.82	18.37	2.18	1.35	0.70	0.37	0.28	0.22	
21	0.82	1.21	1.82	1.49	1.56	14.47	2.54	1.35	0.70	0.34	0.28	0.22	
22	0.88	1.14	2.54	1.49	1.56	8.75	3.55	1.35	0.70	0.34	0.28	0.19	
23	0.88	1.28	1.70	1.49	1.56	5.48	3.81	1.21	0.64	0.31	0.28	0.22	
24	0.88	1.49	1.70	2.06	1.56	4.36	3.29	1.14	0.58	0.31	0.28	0.19	
25	0.70	1.21	2.54	2.78	1.56	4.52	2.66	1.07	0.58	0.31	0.28	0.19	
26	0.64	1.07	3.42	2.42	1.49	3.81	2.78	0.94	0.52	0.31	0.28	0.19	
27	0.64	1.07	2.06	2.66	1.49	2.90	4.36	0.94	0.52	0.31	0.22	0.19	
28	0.64	1.07	1.49	2.18	1.56	2.42	6.18	1.21	0.52	0.31	0.22	0.22	
29	0.64	1.07	1.28	1.70	1.70	2.30	6.37	3.42	0.46	0.31		0.22	
30	0.64	1.07	1.21	1.70	2.30	2.06	4.36	2.54	0.40	0.31		0.22	
31		1.07		1.63	4.36		3.68		0.40	0.31		0.22	
TOTAL	19.14	26.76	37.37	52.47	53.87	153.35	81.49	49.61	25.34	10.75	8.11	6.88	525.14 CMSDAY
MEAN	0.64	0.86	1.25	1.69	1.74	5.11	2.63	1.65	0.82	0.35	0.29	0.22	1.44 CMS
MAX	0.88	1.49	3.42	5.64	4.36	18.37	6.37	3.42	1.82	0.40	0.31	0.28	18.37 CMS
MIN	0.40	0.58	0.64	0.88	1.28	1.70	1.35	0.94	0.40	0.31	0.22	0.19	0.19 CMS
RUNOFF	1.654	2.312	3.229	4.533	4.654	13.249	7.041	4.286	2.189	0.929	0.701	0.594	45.372 MCM

MOMENTARY PEAK 29.20 CMS, AT 1.68 M (A.D), AT 21.00 HOURS, ON SEP 20, 1985

RUNOFF YIELD 8.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 164.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

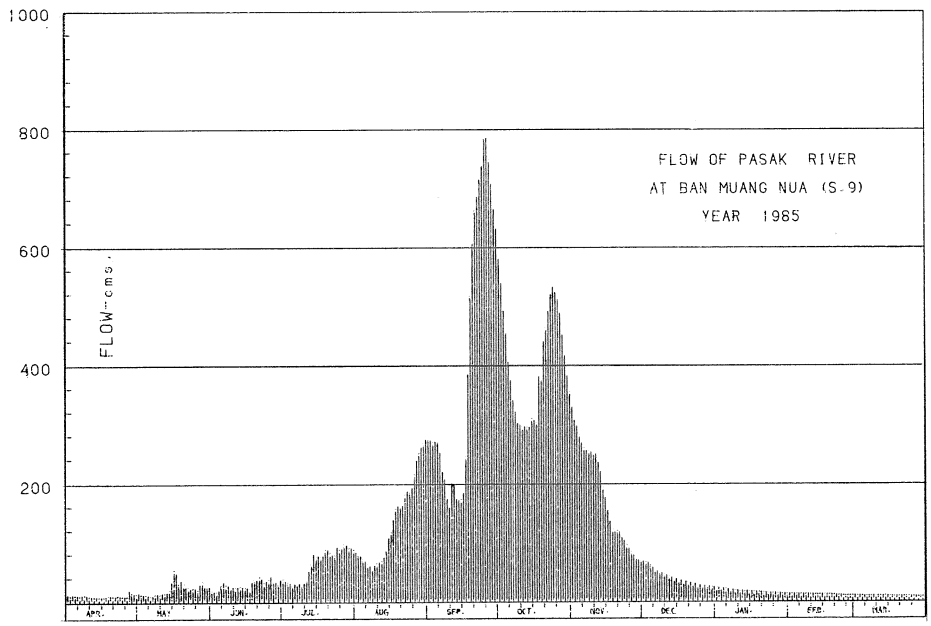
PASAK RIVER AT BAN MUANG NUA, SARABURI (S.9)

LOCATION	LAT. 14-37-33 N., LONG. 101-01-00 E., ON LEFT BANK AT BAN MUANG NUA RAILWAY BRIDGE, AMPHOE KAENG KHOI, SARABURI.
DRAINAGE AREA	14,374 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.492 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+23.099 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1973 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.56	8.64	8.77	9.17	9.84	11.89	14.18	12.32	9.62	8.90	8.58	8.47	
2	8.51	8.58	8.72	9.11	9.82	11.85	13.87	12.18	9.60	8.88	8.58	8.46	
3	8.54	8.56	8.71	9.08	9.75	11.82	13.57	12.07	9.59	8.87	8.57	8.46	
4	8.54	8.56	8.78	9.05	9.69	11.83	13.26	11.94	9.53	8.86	8.56	8.45	
5	8.52	8.52	9.00	9.03	9.63	11.85	12.94	11.81	9.47	8.84	8.56	8.44	
6	8.50	8.49	9.08	9.03	9.56	11.66	12.67	11.73	9.43	8.82	8.56	8.45	
7	8.52	8.48	9.00	9.09	9.51	11.42	12.44	11.69	9.38	8.81	8.56	8.45	
8	8.54	8.58	8.98	9.04	9.48	11.25	12.26	11.68	9.36	8.80	8.56	8.45	
9	8.52	8.60	8.95	9.02	9.52	10.96	12.15	11.67	9.33	8.78	8.55	8.45	
10	8.47	8.57	8.93	9.05	9.58	10.75	12.09	11.67	9.30	8.76	8.55	8.45	
11	8.45	8.63	8.91	9.19	9.60	11.24	12.06	11.64	9.27	8.75	8.54	8.45	
12	8.44	8.65	8.93	9.38	9.63	11.18	12.06	11.56	9.24	8.74	8.54	8.46	
13	8.44	8.67	8.95	9.58	9.72	10.98	12.05	11.37	9.20	8.73	8.54	8.45	
14	8.43	8.82	8.93	9.80	9.93	10.89	12.05	11.13	9.18	8.73	8.54	8.46	
15	8.43	9.08	8.92	9.75	10.16	10.91	12.17	10.94	9.16	8.72	8.53	8.45	
16	8.43	9.42	8.90	9.76	10.29	11.03	12.15	10.74	9.14	8.71	8.53	8.44	
17	8.45	9.33	8.89	9.74	10.52	11.60	12.12	10.49	9.12	8.70	8.53	8.43	
18	8.51	9.04	9.08	9.76	10.73	12.75	12.72	10.34	9.10	8.69	8.53	8.42	
19	8.50	9.12	9.17	9.91	10.78	13.71	12.70	10.29	9.09	8.68	8.53	8.42	
20	8.48	9.04	9.15	9.90	10.81	14.32	13.16	10.31	9.07	8.67	8.52	8.42	
21	8.47	8.93	9.23	9.84	10.79	14.70	13.33	10.29	9.05	8.66	8.50	8.42	
22	8.51	8.93	9.18	9.78	11.00	14.85	13.53	10.22	9.04	8.65	8.49	8.43	
23	8.48	8.86	9.07	9.77	11.06	15.06	13.76	10.11	9.02	8.64	8.48	8.42	
24	8.47	8.89	9.11	9.97	11.04	15.18	13.82	10.01	9.00	8.62	8.47	8.42	
25	8.47	8.88	9.16	9.91	11.12	15.49	13.79	9.93	8.97	8.62	8.47	8.41	
26	8.47	8.82	9.24	9.93	11.23	15.48	13.67	9.85	8.96	8.62	8.47	8.40	
27	8.80	9.01	9.16	10.04	11.54	15.25	13.54	9.77	8.95	8.61	8.47	8.40	
28	8.67	9.10	9.08	10.01	11.65	14.99	13.24	9.70	8.94	8.60	8.47	8.40	
29	8.61	8.93	9.08	9.95	11.74	14.74	13.02	9.65	8.94	8.59		8.40	
30	8.61	9.00	9.15	9.95	11.81	14.49	12.73	9.67	8.92	8.59		8.40	
31		8.93		9.91	11.86		12.52		8.91	8.58		8.40	
MEAN	8.51	8.83	9.01	9.56	10.44	12.80	12.89	10.89	9.19	8.72	8.53	8.43	
MAX	8.80	9.42	9.24	10.04	11.86	15.49	14.18	12.32	9.62	8.90	8.58	8.47	15.49
MIN	8.43	8.48	8.71	9.02	9.48	10.75	12.05	9.65	8.91	8.58	8.47	8.40	8.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.53 M (MSL), AT 18.00 HOURS, ON SEP 25, 1985
ZERO GAGE AT BOTTOM ELEVATION 7.49 M (MSL), RIVER BED 6.10 M (MSL)
LEFT BANK ELEVATION 23.03 M (MSL)
RIGHT BANK ELEVATION 23.13 M (MSL), DRAINAGE AREA 14374 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.8	15.2	19.1	39.2	83.8	277.9	585.0	329.6	68.4	24.0	13.4	10.1	
2	11.3	13.4	17.6	35.6	82.4	273.5	539.8	311.4	67.0	23.2	13.4	9.8	
3	12.2	12.8	17.3	33.8	77.5	270.2	497.8	297.7	66.3	22.8	13.1	9.8	
4	12.2	12.8	19.4	32.0	73.3	271.3	454.4	283.4	62.1	22.4	12.8	9.5	
5	11.6	11.6	29.0	30.8	69.1	273.5	410.2	269.1	57.9	21.6	12.8	9.2	
6	11.0	10.7	33.8	30.8	64.2	252.6	375.1	260.3	55.1	20.8	12.8	9.5	
7	11.6	10.4	29.0	34.4	60.7	226.2	345.2	255.9	51.8	20.4	12.8	9.5	
8	12.2	13.4	28.0	31.4	58.6	207.5	321.8	254.8	50.6	20.0	12.8	9.5	
9	11.6	14.0	26.5	30.2	61.4	178.4	307.5	253.7	48.8	19.4	12.5	9.5	
10	10.1	13.1	25.5	32.0	65.6	159.5	299.9	253.7	47.0	18.8	12.5	9.5	
11	9.5	14.9	24.5	40.4	67.0	206.4	296.6	250.4	45.2	18.5	12.2	9.5	
12	9.2	15.5	25.5	51.8	69.1	199.8	296.6	241.6	43.4	18.2	12.2	9.8	
13	9.2	16.1	26.5	65.6	75.4	180.2	295.5	220.7	41.0	17.9	12.2	9.5	
14	8.9	20.8	25.5	81.0	90.1	172.1	295.5	194.3	39.8	17.9	12.2	9.8	
15	8.9	33.8	25.0	77.5	107.8	173.9	310.1	176.6	38.6	17.6	11.9	9.5	
16	8.9	54.4	24.0	78.2	118.2	184.7	307.5	158.6	37.4	17.3	11.9	9.2	
17	9.5	48.8	23.6	76.8	138.8	246.0	303.6	136.1	36.2	17.0	11.9	8.9	
18	11.3	31.4	33.8	78.2	157.7	385.5	381.6	122.6	35.0	16.7	11.9	8.6	
19	11.0	36.2	39.2	88.7	162.2	517.4	379.0	118.2	34.4	16.4	11.9	8.6	
20	10.4	31.4	38.0	88.0	164.9	606.0	440.4	119.9	33.2	16.1	11.6	8.6	
21	10.1	25.5	42.8	83.8	163.1	663.0	464.2	118.2	32.0	15.8	11.0	8.6	
22	11.3	25.5	39.8	79.6	182.0	685.5	492.2	112.6	31.4	15.5	10.7	8.9	
23	10.4	22.4	33.2	78.9	187.4	718.6	524.4	103.8	30.2	15.2	10.4	8.6	
24	10.1	23.6	35.6	92.9	185.6	737.8	532.8	95.8	29.0	14.6	10.1	8.6	
25	10.1	23.2	38.6	88.7	193.2	787.4	528.6	90.1	27.5	14.6	10.1	8.3	
26	10.1	20.8	43.4	90.1	216.3	785.8	511.8	84.5	27.0	14.6	10.1	8.0	
27	20.0	29.6	38.6	98.2	239.4	749.0	493.6	78.9	26.5	14.3	10.1	8.0	
28	16.1	35.0	33.8	95.8	251.5	707.4	451.6	74.0	26.0	14.0	10.1	8.0	
29	14.3	25.5	33.8	91.5	261.4	669.0	420.8	70.5	26.0	13.7		8.0	
30	14.3	29.0	38.0	91.5	269.1	631.5	382.9	71.9	25.0	13.7		8.0	
31		25.5		88.7	274.6		355.6		24.5	13.4		8.0	
TOTAL	340.2	716.3	908.4	2036.1	4271.4	12397.6	12601.6	5408.9	1264.3	546.4	331.4	278.9	41101.5 CMSDAY
MEAN	11.3	23.1	30.3	65.7	137.8	413.3	406.5	180.3	40.8	17.6	11.8	9.0	112.6 CMS
MAX	20.0	54.4	43.4	98.2	274.6	787.4	585.0	329.6	68.4	24.0	13.4	10.1	787.4 CMS
MIN	8.9	10.4	17.3	30.2	58.6	159.5	295.5	70.5	24.5	13.4	10.1	8.0	8.0 CMS
RUNOFF	29.39	61.89	78.49	175.92	369.05	1071.15	1088.78	467.33	109.24	47.21	28.63	24.10	3551.17 MCM

MOMENTARY PEAK 793.80 CMS, AT 15.53 M (MSL), AT 18.00 HOURS, ON SEP 25, 1985

RUNOFF YIELD 7.83 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 55.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

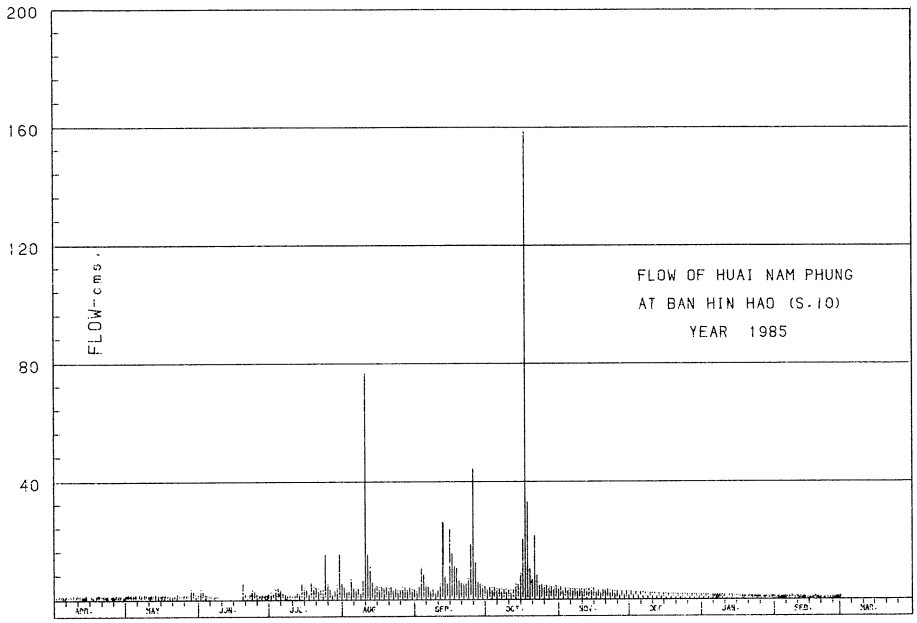
HUAI NAM PHUNG AT BAN HIN HAO, PHETCHABUN (S.10)

LOCATION	LAT. 16-56-50 N., LONG. 101-13-10 E., ON RIGHT BANK ABOUT 70 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE LOM KAO, PHETCHABUN.
DRAINAGE AREA	268 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+8.823 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	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967, 1979 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.24	0.73	0.55	0.85	0.76	0.85	0.84	0.58	0.39	0.26	0.28	
2	0.25	0.23	0.56	0.44	0.70	0.85	0.82	0.80	0.55	0.38	0.23	0.28	
3	0.24	0.22	0.40	0.74	0.58	1.53	0.81	0.78	0.54	0.36	0.30	0.28	
4	0.24	0.23	0.34	0.80	1.24	1.39	0.83	0.77	0.54	0.34	0.23	0.27	
5	0.26	0.23	0.32	0.68	0.78	1.05	0.77	0.75	0.53	0.35	0.24	0.26	
6	0.24	0.22	0.30	0.47	0.80	0.87	0.74	0.75	0.52	0.36	0.28	0.26	
7	0.28	0.22	0.28	0.41	0.75	0.78	0.72	0.74	0.50	0.38	0.29	0.26	
8	0.25	0.24	0.26	0.34	0.64	0.71	0.70	0.73	0.50	0.39	0.25	0.25	
9	0.25	0.27	0.25	0.33	1.18	0.66	0.72	0.71	0.49	0.35	0.21	0.21	
10	0.25	0.31	0.23	0.33	3.69	0.63	0.66	0.73	0.48	0.37	0.28	0.21	
11	0.25	0.35	0.23	0.34	1.73	1.07	0.67	0.70	0.48	0.36	0.25	0.22	
12	0.25	0.35	0.25	0.48	1.52	2.26	0.67	0.74	0.47	0.36	0.29	0.25	
13	0.24	0.38	0.23	0.64	1.12	1.39	1.05	0.73	0.46	0.35	0.30	0.25	
14	0.24	0.34	0.23	1.05	0.98	1.05	1.01	0.80	0.45	0.33	0.23	0.25	
15	0.23	0.34	0.26	0.86	0.93	2.19	1.42	0.78	0.45	0.32	0.26	0.24	
16	0.22	0.35	0.27	0.67	0.87	1.74	1.98	0.72	0.44	0.32	0.23	0.20	
17	0.23	0.36	0.28	0.57	0.86	1.57	5.19	0.63	0.43	0.33	0.29	0.18	
18	0.25	0.31	0.32	1.11	0.97	1.50	2.50	0.68	0.42	0.31	0.28	0.20	
19	0.30	0.32	1.03	0.89	0.85	1.27	1.53	0.66	0.42	0.30	0.24	0.18	
20	0.28	0.29	0.43	0.83	0.80	1.09	1.22	0.83	0.41	0.29	0.19	0.20	
21	0.27	0.28	0.35	0.78	0.86	1.18	2.08	0.71	0.42	0.29	0.24	0.22	
22	0.25	0.43	0.42	0.68	0.82	1.04	1.38	0.66	0.42	0.28	0.23	0.17	
23	0.25	0.33	0.69	0.68	0.75	1.27	1.14	0.63	0.41	0.26	0.22	0.15	
24	0.25	0.29	0.57	1.73	0.68	1.89	1.01	0.61	0.41	0.25	0.26	0.12	
25	0.25	0.37	0.42	1.05	0.67	2.90	0.97	0.59	0.40	0.25	0.25	0.12	
26	0.26	0.34	0.34	0.71	0.87	1.59	0.95	0.58	0.39	0.20	0.22	0.15	
27	0.31	0.34	0.37	0.60	0.85	1.24	0.91	0.58	0.40	0.23	0.28	0.12	
28	0.32	0.76	0.33	0.61	0.85	1.05	0.87	0.58	0.40	0.24	0.29	0.12	
29	0.27	0.56	0.34	1.02	0.80	0.94	0.85	0.59	0.39	0.26		0.11	
30	0.26	0.43	0.44	1.73	0.74	0.88	0.93	0.58	0.41	0.22		0.15	
31		0.39		1.16	0.71		0.89		0.39	0.25		0.17	
MEAN	0.26	0.33	0.38	0.75	0.98	1.28	1.19	0.70	0.45	0.31	0.25	0.20	
MAX	0.32	0.76	1.03	1.73	3.69	2.90	5.19	0.84	0.58	0.39	0.30	0.28	5.19
MIN	0.22	0.22	0.23	0.33	0.58	0.63	0.66	0.58	0.39	0.20	0.19	0.11	0.11

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.05 M (A.D), AT 6.00 HOURS, ON OCT 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.20 M (A.D)
LEFT BANK ELEVATION 9.25 M (A.D)
RIGHT BANK ELEVATION 8.45 M (A.D), DRAINAGE AREA 268 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.83	0.77	3.47	2.48	4.13	3.63	4.13	4.07	2.64	1.59	0.88	0.99	
2	0.83	0.72	2.53	1.87	3.30	4.13	3.96	3.85	2.48	1.54	0.72	0.99	
3	0.77	0.66	1.65	3.52	2.64	11.17	3.91	3.74	2.42	1.43	1.10	0.99	
4	0.77	0.72	1.32	3.85	6.90	8.40	4.01	3.68	2.42	1.32	0.72	0.94	
5	0.88	0.72	1.21	3.19	3.74	5.22	3.68	3.57	2.36	1.38	0.77	0.88	
6	0.77	0.66	1.10	2.04	3.85	4.24	3.52	3.57	2.31	1.43	0.99	0.88	
7	0.99	0.66	0.99	1.71	3.57	3.74	3.41	3.52	2.20	1.54	1.04	0.88	
8	0.83	0.77	0.88	1.32	2.97	3.35	3.30	3.47	2.20	1.59	0.83	0.83	
9	0.83	0.94	0.83	1.27	6.30	3.08	3.41	3.35	2.15	1.38	0.60	0.60	
10	0.83	1.16	0.72	1.27	76.60	2.92	3.08	3.47	2.09	1.49	0.99	0.60	
11	0.83	1.38	0.72	1.32	15.28	5.34	3.14	3.30	2.09	1.43	0.83	0.66	
12	0.83	1.38	0.83	2.09	10.97	26.18	3.14	3.52	2.04	1.43	1.04	0.83	
13	0.77	1.54	0.72	2.97	5.70	8.40	5.22	3.47	1.98	1.38	1.10	0.83	
14	0.77	1.32	0.72	5.22	4.84	5.22	5.00	3.85	1.92	1.27	0.72	0.83	
15	0.72	1.32	0.88	4.18	4.57	24.74	8.91	3.74	1.92	1.21	0.88	0.77	
16	0.66	1.38	0.94	3.14	4.24	15.49	20.42	3.41	1.87	1.21	0.72	0.55	
17	0.72	1.43	0.99	2.59	4.18	11.99	158.30	2.92	1.82	1.27	1.04	0.44	
18	0.83	1.16	1.21	5.60	4.79	10.56	33.00	3.19	1.76	1.16	0.99	0.55	
19	1.10	1.21	5.11	4.34	4.13	7.20	11.17	3.08	1.76	1.10	0.77	0.44	
20	0.99	1.04	1.82	4.01	3.85	5.45	6.70	4.01	1.71	1.04	0.49	0.55	
21	0.94	0.99	1.38	3.74	4.18	6.30	22.48	3.35	1.76	1.04	0.77	0.66	
22	0.83	1.82	1.76	3.19	3.96	5.17	8.30	3.08	1.76	0.99	0.72	0.39	
23	0.83	1.27	3.25	3.19	3.57	7.20	5.90	2.92	1.71	0.88	0.66	0.28	
24	0.83	1.04	2.59	15.28	3.19	18.57	5.00	2.81	1.71	0.83	0.88	0.11	
25	0.83	1.49	1.76	5.22	3.14	45.00	4.79	2.70	1.65	0.83	0.83	0.11	
26	0.88	1.32	1.32	3.35	4.24	12.41	4.67	2.64	1.59	0.55	0.66	0.28	
27	1.16	1.32	1.49	2.75	4.13	6.90	4.46	2.64	1.65	0.72	0.99	0.11	
28	1.21	3.63	1.27	2.81	4.13	5.22	4.24	2.64	1.65	0.77	1.04	0.11	
29	0.94	2.53	1.32	5.06	3.85	4.62	4.13	2.70	1.59	0.88		0.05	
30	0.88	1.82	1.87	15.28	3.52	4.29	4.57	2.64	1.71	0.66		0.28	
31		1:59		6.10	3.35		4.34		1.59	0.83		0.39	
TOTAL	25.88	39.76	46.65	123.95	217.81	286.13	364.29	98.90	60.51	36.17	23.77	17.80	1341.62 CMSDAY
MEAN	0.86	1.28	1.56	4.00	7.03	9.54	11.75	3.30	1.95	1.17	0.85	0.57	3.68 CMS
MAX	1.21	3.63	5.11	15.28	76.60	45.00	158.30	4.07	2.64	1.59	1.10	0.99	158.30 CMS
MIN	0.66	0.66	0.72	1.27	2.64	2.92	3.08	2.64	1.59	0.55	0.49	0.05	0.05 CMS
RUNOFF	2.236	3.435	4.031	10.709	18.819	24.722	31.475	8.545	5.228	3.125	2.054	1.538	115.916 MCM

MOMENTARY PEAK 219.00 CMS, AT 6.05 M (A.D), AT 6.00 HOURS, ON OCT 17, 1985

RUNOFF YIELD 13.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 817.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

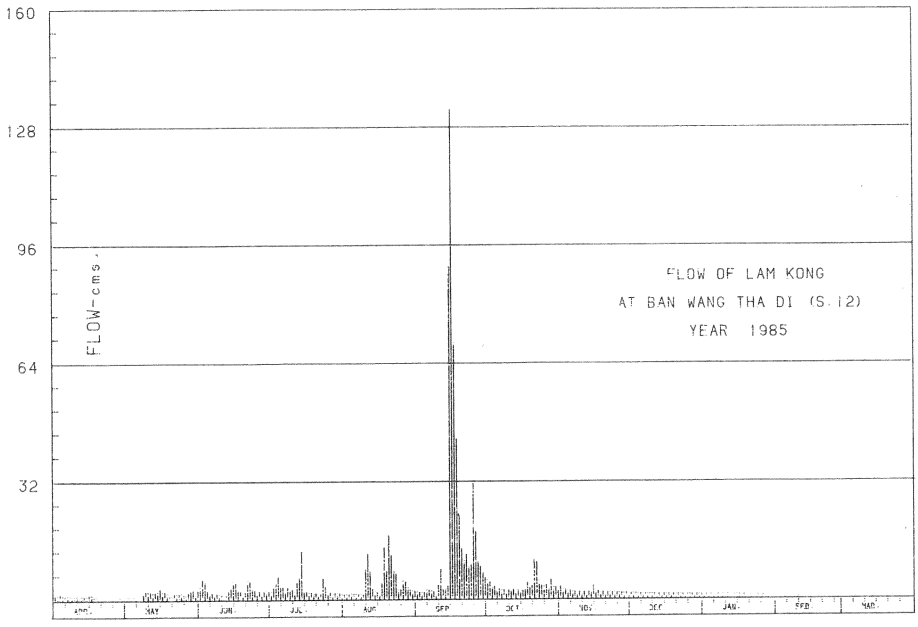
LAM KONG AT BAN WANG THA DI, PHETCHABUN (S.12)

LOCATION	LAT. 15-59-50 N., LONG. 101-14-28 E., ON LEFT BANK AT BAN WANG THA DI, AMPHOE NONG PHAI, PHETCHABUN.
DRAINAGE AREA	471 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+5.792 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 97 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	0.60	1.09	0.93	0.73	0.91	1.21	1.07	0.78	0.68	0.60	0.53	
2	0.70	0.60	1.22	1.05	0.74	0.87	1.17	1.00	0.78	0.68	0.59	0.52	
3	0.77	0.60	1.22	1.23	0.74	0.86	1.11	0.97	0.77	0.68	0.58	0.52	
4	0.68	0.60	0.95	1.25	0.79	0.86	1.08	0.94	0.76	0.68	0.58	0.52	
5	0.67	0.60	0.91	1.16	0.79	0.99	1.05	0.94	0.76	0.67	0.57	0.52	
6	0.68	0.60	0.85	1.07	0.77	0.97	1.02	0.90	0.75	0.67	0.56	0.52	
7	0.68	0.60	0.82	1.01	0.74	0.95	0.97	0.89	0.75	0.67	0.56	0.52	
8	0.68	1.03	0.81	1.06	0.73	0.90	0.97	0.89	0.75	0.67	0.55	0.52	
9	0.67	0.93	0.76	1.07	0.72	0.81	0.96	0.88	0.75	0.67	0.55	0.52	
10	0.67	0.93	0.72	1.00	1.34	1.11	0.96	0.88	0.74	0.67	0.55	0.52	
11	0.66	0.91	0.70	0.92	1.54	1.34	1.05	0.87	0.74	0.67	0.55	0.52	
12	0.66	0.87	0.71	1.17	1.32	0.99	0.99	0.87	0.73	0.67	0.54	0.52	
13	0.66	0.89	1.06	1.25	1.02	1.07	0.99	0.87	0.73	0.67	0.54	0.52	
14	0.67	0.93	1.04	1.57	0.94	1.09	0.96	0.99	0.73	0.67	0.54	0.52	
15	0.73	1.03	1.20	1.02	0.88	3.47	0.95	1.09	0.73	0.67	0.54	0.52	
16	0.74	0.93	1.16	0.91	0.86	3.89	0.94	0.96	0.72	0.66	0.53	0.52	
17	0.61	0.93	1.08	0.87	1.15	3.15	1.06	0.91	0.71	0.66	0.53	0.52	
18	0.61	0.83	0.92	0.86	1.61	2.56	1.16	0.84	0.71	0.66	0.52	0.52	
19	0.61	0.64	0.85	0.83	1.32	1.97	1.14	0.87	0.71	0.65	0.52	0.52	
20	0.60	0.63	0.89	0.83	1.77	1.60	1.09	0.86	0.71	0.65	0.52	0.52	
21	0.60	0.78	1.21	0.82	1.52	1.45	1.46	0.85	0.71	0.65	0.52	0.52	
22	0.60	0.78	1.19	0.76	1.32	1.53	1.43	0.84	0.71	0.64	0.52	0.52	
23	0.60	0.80	1.08	1.23	1.29	1.40	1.20	0.83	0.70	0.64	0.52	0.52	
24	0.60	0.83	0.97	1.08	1.00	1.40	1.10	0.83	0.70	0.64	0.52	0.52	
25	0.60	0.74	0.95	0.95	1.00	2.27	1.07	0.82	0.70	0.63	0.52	0.52	
26	0.60	0.70	0.93	0.87	1.20	1.81	1.11	0.82	0.69	0.63	0.52	0.51	
27	0.60	0.83	0.91	0.79	1.18	1.47	1.06	0.81	0.69	0.62	0.52	0.51	
28	0.60	1.05	0.92	0.84	1.06	1.38	1.21	0.80	0.69	0.62	0.52	0.51	
29	0.60	0.97	0.97	0.84	0.99	1.33	1.06	0.80	0.69	0.61		0.51	
30	0.60	0.87	0.93	0.81	0.95	1.24	1.05	0.79	0.69	0.61		0.50	
31		0.98		0.74	0.93		1.04		0.68	0.60		0.50	
MEAN	0.65	0.81	0.97	0.99	1.06	1.52	1.08	0.89	0.72	0.65	0.54	0.52	
MAX	0.77	1.05	1.22	1.57	1.77	3.89	1.46	1.09	0.78	0.68	0.60	0.53	3.89
MIN	0.60	0.60	0.70	0.74	0.72	0.81	0.94	0.79	0.68	0.60	0.52	0.50	0.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.67 M (A.D), AT 14.00 HOURS, ON SEP 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.10 M (A.D)
LEFT BANK ELEVATION 6.74 M (A.D)
RIGHT BANK ELEVATION 6.00 M (A.D), DRAINAGE AREA 471 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	0.80	3.50	2.18	1.32	2.06	5.22	3.30	1.52	1.12	0.80	0.52	
2	1.20	0.80	5.43	3.10	1.36	1.98	4.58	2.60	1.52	1.12	0.76	0.48	
3	1.48	0.80	5.43	5.65	1.36	1.84	3.74	2.42	1.48	1.12	0.72	0.48	
4	1.12	0.80	2.30	6.08	1.56	1.84	3.40	2.24	1.44	1.12	0.72	0.48	
5	1.08	0.80	2.06	4.44	1.56	2.54	3.10	2.24	1.44	1.08	0.68	0.48	
6	1.12	0.80	1.80	3.30	1.48	2.42	2.80	2.00	1.40	1.08	0.64	0.48	
7	1.12	0.80	1.68	2.70	1.36	2.30	2.42	1.96	1.40	1.08	0.64	0.48	
8	1.12	2.90	1.64	3.20	1.32	2.00	2.42	1.96	1.40	1.08	0.60	0.48	
9	1.08	2.18	1.44	3.30	1.28	1.64	2.36	1.92	1.40	1.08	0.60	0.48	
10	1.08	2.18	1.28	2.60	8.03	3.74	2.36	1.92	1.36	1.08	0.60	0.48	
11	1.04	2.06	1.20	2.12	12.37	8.03	3.10	1.88	1.36	1.08	0.60	0.48	
12	1.04	1.88	1.24	4.58	7.60	2.54	2.54	1.88	1.32	1.08	0.56	0.48	
13	1.04	1.96	3.20	6.08	2.80	3.30	2.54	1.88	1.32	1.08	0.56	0.48	
14	1.08	2.18	3.00	13.02	2.24	3.50	2.36	2.54	1.32	1.08	0.56	0.48	
15	1.32	2.90	5.00	2.80	1.92	89.90	2.30	3.50	1.32	1.08	0.56	0.48	
16	1.36	2.18	4.44	2.06	1.84	132.74	2.24	2.36	1.28	1.04	0.52	0.48	
17	0.84	2.18	3.40	1.88	4.30	69.50	3.20	2.06	1.24	1.04	0.52	0.48	
18	0.84	1.72	2.12	1.84	13.88	43.40	4.44	1.76	1.24	1.04	0.48	0.48	
19	0.84	0.96	1.80	1.72	7.60	23.10	4.16	1.88	1.24	1.00	0.48	0.48	
20	0.80	0.92	1.96	1.72	17.35	13.67	3.50	1.84	1.24	1.00	0.48	0.48	
21	0.80	1.52	5.22	1.68	11.93	10.42	10.63	1.80	1.24	1.00	0.48	0.48	
22	0.80	1.52	4.86	1.44	7.60	12.15	9.98	1.76	1.24	0.96	0.48	0.48	
23	0.80	1.60	3.40	5.65	6.95	9.33	5.00	1.72	1.20	0.96	0.48	0.48	
24	0.80	1.72	2.42	3.40	2.60	9.33	3.60	1.72	1.20	0.96	0.48	0.48	
25	0.80	1.36	2.30	2.30	2.60	32.10	3.30	1.68	1.20	0.92	0.48	0.48	
26	0.80	1.20	2.18	1.88	5.00	18.30	3.74	1.68	1.16	0.92	0.48	0.44	
27	0.80	1.72	2.06	1.56	4.72	10.85	3.20	1.64	1.16	0.88	0.48	0.44	
28	0.80	3.10	2.12	1.76	3.20	8.90	5.22	1.60	1.16	0.88	0.48	0.44	
29	0.80	2.42	2.42	1.76	2.54	7.82	3.20	1.60	1.16	0.84		0.44	
30	0.80	1.88	2.18	1.64	2.30	5.87	3.10	1.56	1.16	0.84		0.40	
31		2.48		1.36	2.18		3.00		1.12	0.80		0.40	
TOTAL	29.80	52.32	83.08	98.80	144.15	537.01	116.75	60.90	40.24	31.44	15.92	14.60	1225.01 CMSDAY
MEAN	0.99	1.69	2.77	3.19	4.65	17.90	3.77	2.03	1.30	1.01	0.57	0.47	3.36 CMS
MAX	1.48	3.10	5.43	13.02	17.35	132.74	10.63	3.50	1.52	1.12	0.80	0.52	132.74 CMS
MIN	0.80	0.80	1.20	1.36	1.28	1.64	2.24	1.56	1.12	0.80	0.48	0.40	0.40 CMS
RUNOFF	2.575	4.520	7.178	8.536	12.455	46.398	10.087	5.262	3.477	2.716	1.375	1.261	105.841 MCM

MOMENTARY PEAK 325.41 CMS, AT 5.67 M (A.D), AT 14.00 HOURS, ON SEP 15, 1985

RUNOFF YIELD 7 13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 690.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

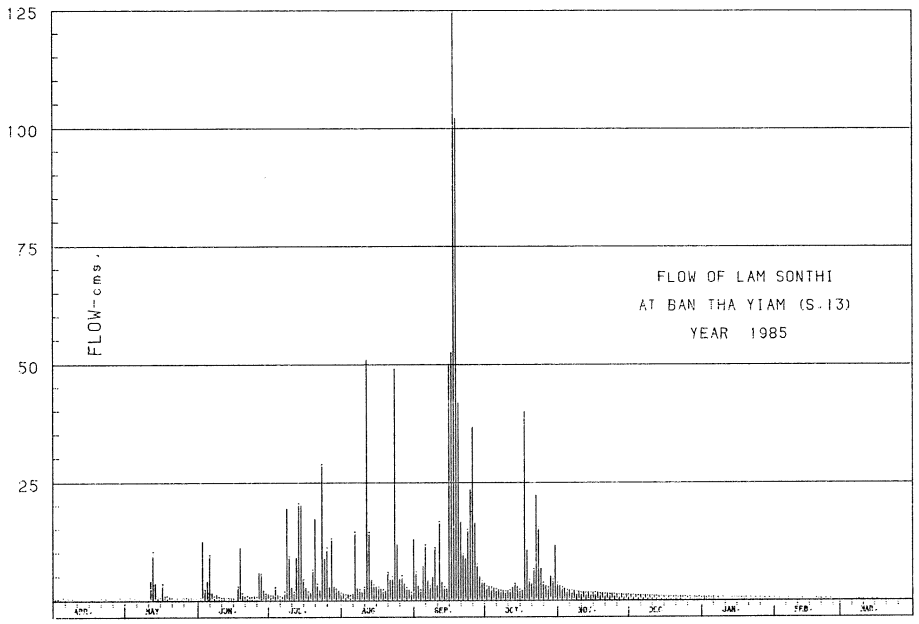
LAM SONTHI AT BAN THA YIAM, LOP BURI (S.13)

LOCATION	LAT. 15-20-21 N., LONG. 101-22-30 E., ON LEFT BANK NEAR WAT THA YIAM, AMPHOE CHAI BADAN, LOP BURI.
DRAINAGE AREA	359 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.697 M.(A.D.)
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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.37	0.41	0.53	0.59	1.36	0.92	0.94	0.54	0.45	0.40	0.36	
2	0.36	0.43	2.00	0.52	0.56	0.92	0.90	0.88	0.54	0.45	0.40	0.36	
3	0.36	0.40	0.76	0.89	0.56	0.78	0.87	0.81	0.53	0.45	0.40	0.36	
4	0.41	0.39	1.12	0.53	0.54	1.48	0.83	0.77	0.53	0.45	0.40	0.36	
5	0.40	0.38	1.72	0.49	0.58	1.94	0.80	0.75	0.52	0.45	0.40	0.36	
6	0.38	0.37	0.61	0.46	2.21	1.15	0.76	0.73	0.52	0.44	0.40	0.35	
7	0.37	0.36	0.50	0.70	0.81	0.93	0.74	0.72	0.52	0.44	0.40	0.35	
8	0.36	0.38	0.55	2.70	0.79	1.25	0.73	0.70	0.51	0.44	0.40	0.35	
9	0.35	0.36	0.47	1.69	0.64	1.88	0.71	0.69	0.51	0.44	0.40	0.35	
10	0.35	0.35	0.44	0.85	0.89	0.94	0.71	0.67	0.51	0.44	0.40	0.35	
11	0.34	1.13	0.43	0.67	4.97	2.43	0.76	0.66	0.50	0.43	0.39	0.35	
12	0.34	1.79	0.42	1.66	2.20	1.08	0.85	0.65	0.50	0.43	0.39	0.35	
13	0.34	1.03	0.42	2.81	1.18	0.89	1.04	0.65	0.49	0.43	0.39	0.35	
14	0.34	0.50	0.42	2.77	0.98	0.79	0.90	0.64	0.49	0.43	0.39	0.35	
15	0.34	0.45	0.41	1.20	0.89	4.92	0.78	0.64	0.48	0.43	0.39	0.35	
16	0.35	1.03	0.41	0.84	0.90	5.05	0.73	0.66	0.48	0.43	0.39	0.35	
17	0.37	0.50	0.92	0.70	0.79	7.96	4.27	0.64	0.47	0.43	0.39	0.35	
18	0.44	0.51	1.87	0.61	0.77	7.08	1.82	0.62	0.47	0.43	0.39	0.35	
19	0.40	0.45	0.62	1.41	0.70	4.39	1.19	0.61	0.47	0.42	0.39	0.35	
20	0.38	0.41	0.47	2.48	1.36	2.41	1.00	0.60	0.47	0.42	0.38	0.35	
21	0.39	0.40	0.50	1.01	1.18	1.75	1.43	0.60	0.47	0.42	0.38	0.34	
22	0.37	0.40	0.46	0.73	1.26	1.64	2.94	0.60	0.47	0.42	0.38	0.34	
23	0.36	0.39	0.46	3.45	4.84	2.26	2.31	0.59	0.47	0.42	0.38	0.34	
24	0.35	0.42	0.49	1.64	1.99	3.03	1.43	0.58	0.46	0.42	0.38	0.34	
25	0.35	0.42	0.46	1.88	1.21	4.05	1.07	0.57	0.46	0.42	0.37	0.34	
26	0.45	0.44	1.34	0.86	1.29	2.39	0.93	0.56	0.46	0.42	0.37	0.34	
27	0.42	0.42	1.32	2.07	1.02	1.52	0.88	0.56	0.45	0.41	0.37	0.34	
28	0.41	0.41	0.73	0.88	0.86	1.26	1.27	0.55	0.45	0.41	0.37	0.34	
29	0.39	0.40	0.61	0.81	0.75	1.14	1.19	0.55	0.45	0.41		0.34	
30	0.38	0.39	0.57	0.71	0.68	1.04	1.92	0.55	0.45	0.41		0.34	
31		0.38		0.64	2.05		1.06		0.45	0.41		0.34	
MEAN	0.37	0.52	0.73	1.26	1.29	2.32	1.22	0.66	0.49	0.43	0.39	0.35	
MAX	0.45	1.79	2.00	3.45	4.97	7.96	4.27	0.94	0.54	0.45	0.40	0.36	7.96
MIN	0.34	0.35	0.41	0.46	0.54	0.78	0.71	0.55	0.45	0.41	0.37	0.34	0.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.20 M (A.D), AT 7.00 HOURS, ON SEP 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.16 M (A.D)
LEFT BANK ELEVATION 9.96 M (A.D)
RIGHT BANK ELEVATION 9.78 M (A.D), DRAINAGE AREA 359 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.35	0.55	1.15	1.45	6.10	3.10	3.20	1.20	0.75	0.50	0.30	
2	0.30	0.65	12.50	1.10	1.30	3.10	3.00	2.90	1.20	0.75	0.50	0.30	
3	0.30	0.50	2.30	2.95	1.30	2.40	2.85	2.55	1.15	0.75	0.50	0.30	
4	0.55	0.45	4.10	1.15	1.20	7.30	2.65	2.35	1.15	0.75	0.50	0.30	
5	0.50	0.40	9.70	0.95	1.40	11.90	2.50	2.25	1.10	0.75	0.50	0.30	
6	0.40	0.35	1.55	0.80	14.60	4.25	2.30	2.15	1.10	0.70	0.50	0.25	
7	0.35	0.30	1.00	2.00	2.55	3.15	2.20	2.10	1.10	0.70	0.50	0.25	
8	0.30	0.40	1.25	19.50	2.45	5.00	2.15	2.00	1.05	0.70	0.50	0.25	
9	0.25	0.30	0.85	9.40	1.70	11.30	2.05	1.95	1.05	0.70	0.50	0.25	
10	0.25	0.25	0.70	2.75	2.95	3.20	2.05	1.85	1.05	0.70	0.50	0.25	
11	0.20	4.15	0.65	1.85	51.05	16.80	2.30	1.80	1.00	0.65	0.45	0.25	
12	0.20	10.40	0.60	9.10	14.50	3.90	2.75	1.75	1.00	0.65	0.45	0.25	
13	0.20	3.65	0.60	20.63	4.40	2.95	3.70	1.75	0.95	0.65	0.45	0.25	
14	0.20	1.00	0.60	20.20	3.40	2.45	3.00	1.70	0.95	0.65	0.45	0.25	
15	0.20	0.75	0.55	4.50	2.95	50.30	2.40	1.70	0.90	0.65	0.45	0.25	
16	0.25	3.65	0.55	2.70	3.00	52.59	2.15	1.80	0.90	0.65	0.45	0.25	
17	0.35	1.00	3.10	2.00	2.45	137.40	40.55	1.70	0.85	0.65	0.45	0.25	
18	0.70	1.05	11.20	1.55	2.35	102.20	10.70	1.60	0.85	0.65	0.45	0.25	
19	0.50	0.75	1.60	6.60	2.00	42.35	4.45	1.55	0.85	0.60	0.45	0.25	
20	0.40	0.55	0.85	17.30	6.10	16.60	3.50	1.50	0.85	0.60	0.40	0.25	
21	0.45	0.50	1.00	3.55	4.40	10.00	6.80	1.50	0.85	0.60	0.40	0.20	
22	0.35	0.50	0.80	2.15	5.10	8.90	22.32	1.50	0.85	0.60	0.40	0.20	
23	0.30	0.45	0.80	28.95	49.10	15.10	15.60	1.45	0.85	0.60	0.40	0.20	
24	0.25	0.60	0.95	8.90	12.40	23.49	6.80	1.40	0.80	0.60	0.40	0.20	
25	0.25	0.60	0.80	11.30	4.60	37.25	3.85	1.35	0.80	0.60	0.35	0.20	
26	0.75	0.70	5.90	2.80	5.40	16.40	3.15	1.30	0.80	0.60	0.35	0.20	
27	0.60	0.60	5.70	13.20	3.60	7.70	2.90	1.30	0.75	0.55	0.35	0.20	
28	0.55	0.55	2.15	2.90	2.80	5.10	5.20	1.25	0.75	0.55	0.35	0.20	
29	0.45	0.50	1.55	2.55	2.25	4.20	4.45	1.25	0.75	0.55		0.20	
30	0.40	0.45	1.35	2.05	1.90	3.70	11.70	1.25	0.75	0.55		0.20	
31		0.40		1.70	13.00		3.80		0.75	0.55		0.20	
TOTAL	11.10	36.75	75.80	208.23	227.65	617.08	186.92	53.70	28.95	20.00	12.45	7.45	1486.08 CMSDAY
MEAN	0.37	1.19	2.53	6.72	7.34	20.57	6.03	1.79	0.93	0.65	0.44	0.24	4.07 CMS
MAX	0.75	10.40	12.50	28.95	51.05	137.40	40.55	3.20	1.20	0.75	0.50	0.30	137.40 CMS
MIN	0.20	0.25	0.55	0.80	1.20	2.40	2.05	1.25	0.75	0.55	0.35	0.20	0.20 CMS
RUNOFF	0.959	3.175	6.549	17.991	19.669	53.316	16.150	4.640	2.501	1.728	1.076	0.644	128.397 MCM

MOMENTARY PEAK 148.00 CMS, AT 8.20 M (A.D), AT 7.00 HOURS, ON SEP 17, 1985

RUNOFF YIELD 11.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 412.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

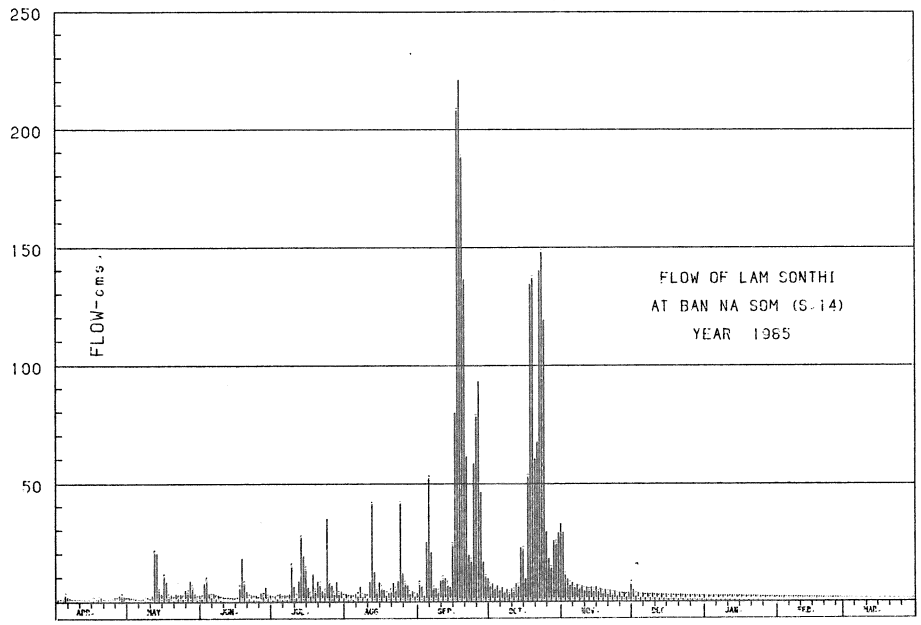
LAM SONTHI AT BAN NA SOM, LOP BURI (S.14)

LOCATION	LAT. 15-13-24 N., LONG. 101-16-51 E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN NA SOM, TAMBON NONG YI TO, AMPHOE CHAI BADAN, LOP BURI.
DRAINAGE AREA	1,247 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE GAGE OBSERVER'S HOUSE.
ELEVATION	+10.065 M.(A.D.)
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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 169 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.25	1.47	1.86	1.71	1.92	2.92	2.81	4.48	2.24	1.70	1.51	1.37	
2	1.24	1.42	2.70	1.64	1.84	2.50	2.70	3.36	2.09	1.70	1.50	1.37	
3	1.23	1.37	3.12	1.85	1.79	2.13	2.62	3.03	2.03	1.69	1.55	1.37	
4	2.08	1.28	1.97	1.94	1.78	4.27	2.56	2.88	2.00	1.69	1.52	1.37	
5	1.52	1.25	2.04	1.75	1.94	5.64	2.52	2.78	1.99	1.68	1.54	1.36	
6	1.39	1.24	1.98	1.77	2.12	4.04	2.43	2.71	1.97	1.68	1.51	1.36	
7	1.31	1.29	1.89	1.76	2.48	2.58	2.36	2.64	1.96	1.67	1.52	1.35	
8	1.24	1.55	1.73	1.88	2.05	2.37	2.29	2.58	1.94	1.67	1.52	1.35	
9	1.24	1.49	1.67	3.69	1.97	2.34	2.26	2.54	1.94	1.67	1.50	1.35	
10	1.23	1.34	1.53	2.49	1.96	2.91	2.32	2.47	1.92	1.68	1.51	1.35	
11	1.21	1.68	1.49	2.00	2.82	3.19	2.41	2.45	1.88	1.68	1.45	1.35	
12	1.20	4.10	1.47	2.88	5.15	3.05	2.72	2.42	1.87	1.67	1.47	1.34	
13	1.20	4.02	1.45	4.43	3.35	2.91	2.78	2.44	1.87	1.66	1.48	1.35	
14	1.20	2.37	1.44	3.94	2.33	2.45	4.15	2.44	1.86	1.66	1.47	1.35	
15	1.19	1.90	1.43	3.58	2.79	4.27	4.17	2.46	1.85	1.66	1.46	1.35	
16	1.56	3.27	1.49	2.43	2.64	6.65	3.03	2.43	1.82	1.65	1.46	1.34	
17	1.28	2.83	2.64	2.14	2.23	9.60	5.66	2.33	1.85	1.64	1.45	1.34	
18	1.65	1.97	3.86	3.25	2.18	9.80	8.21	2.27	1.83	1.63	1.45	1.34	
19	1.44	1.80	2.90	2.40	2.02	9.27	8.30	2.25	1.80	1.63	1.44	1.33	
20	1.24	1.64	2.13	2.85	2.39	8.26	5.93	2.22	1.80	1.62	1.42	1.33	
21	1.22	1.92	1.92	2.90	2.76	6.02	6.27	2.21	1.80	1.64	1.41	1.32	
22	1.21	1.83	1.79	2.17	2.50	3.97	8.35	2.17	1.79	1.61	1.39	1.32	
23	1.20	1.85	1.75	2.39	2.89	3.87	8.54	2.15	1.77	1.60	1.41	1.32	
24	1.30	1.86	1.72	4.79	5.16	5.85	7.83	2.11	1.75	1.59	1.40	1.32	
25	1.47	2.23	1.62	2.97	3.29	6.63	4.56	2.06	1.75	1.58	1.42	1.32	
26	1.50	2.30	2.03	2.56	2.90	7.07	3.85	2.06	1.74	1.57	1.42	1.31	
27	1.69	2.91	2.10	2.23	2.56	5.38	3.59	2.04	1.73	1.57	1.42	1.31	
28	2.03	2.67	2.43	2.82	2.28	3.73	4.30	2.04	1.72	1.56	1.37	1.31	
29	1.55	1.95	1.89	2.23	2.15	3.25	4.31	2.05	1.72	1.56		1.32	
30	1.51	1.74	1.74	2.14	2.11	3.05	4.47	2.91	1.72	1.54		1.32	
31		1.77		2.02	2.01		4.74		1.71	1.53		1.31	
MEAN	1.39	2.01	1.99	2.57	2.53	4.67	4.29	2.50	1.86	1.63	1.46	1.34	
MAX	2.08	4.10	3.86	4.79	5.16	9.80	8.54	4.48	2.24	1.70	1.55	1.37	9.80
MIN	1.19	1.24	1.43	1.64	1.78	2.13	2.26	2.04	1.71	1.53	1.37	1.31	1.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.00 M (A.D), AT 18.00 HOURS, ON SEP 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.30 M (A.D)
LEFT BANK ELEVATION 9.87 M (A.D)
RIGHT BANK ELEVATION 9.93 M (A.D), DRAINAGE AREA 1247 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.05	1.71	2.88	2.43	3.06	8.82	8.16	29.12	4.74	2.40	1.83	1.41	
2	1.02	1.56	7.50	2.22	2.82	6.30	7.50	12.54	3.84	2.40	1.80	1.41	
3	0.99	1.41	10.38	2.85	2.67	4.08	7.02	9.57	3.48	2.37	1.95	1.41	
4	3.78	1.14	3.21	3.12	2.64	25.13	6.66	8.58	3.30	2.37	1.86	1.41	
5	1.86	1.05	3.54	2.55	3.12	53.36	6.42	7.98	3.27	2.34	1.92	1.38	
6	1.47	1.02	3.24	2.61	4.02	20.76	5.88	7.56	3.21	2.34	1.83	1.38	
7	1.23	1.17	2.97	2.58	6.18	6.78	5.46	7.14	3.18	2.31	1.86	1.35	
8	1.02	1.95	2.49	2.94	3.60	5.52	5.04	6.78	3.12	2.31	1.86	1.35	
9	1.02	1.77	2.31	16.28	3.21	5.34	4.86	6.54	3.12	2.31	1.80	1.35	
10	0.99	1.32	1.89	6.24	3.18	8.76	5.22	6.12	3.06	2.34	1.83	1.35	
11	0.93	2.34	1.77	3.30	8.22	11.01	5.76	6.00	2.94	2.34	1.65	1.35	
12	0.90	21.90	1.71	8.58	42.30	9.75	7.62	5.82	2.91	2.31	1.71	1.32	
13	0.90	20.38	1.65	28.17	12.45	8.76	7.98	5.94	2.91	2.28	1.74	1.35	
14	0.90	5.52	1.62	19.28	5.28	6.00	22.85	5.94	2.88	2.28	1.71	1.35	
15	0.87	3.00	1.59	14.96	8.04	25.13	23.23	6.06	2.85	2.28	1.68	1.35	
16	1.98	11.73	1.77	5.88	7.14	79.92	9.57	5.88	2.76	2.25	1.68	1.32	
17	1.14	8.28	7.14	4.14	4.68	209.00	53.84	5.28	2.85	2.22	1.65	1.32	
18	2.25	3.21	18.32	11.55	4.38	221.00	134.40	4.92	2.79	2.19	1.65	1.32	
19	1.62	2.70	8.70	5.70	3.42	189.20	138.00	4.80	2.70	2.19	1.62	1.29	
20	1.02	2.22	4.08	8.40	5.64	136.40	60.32	4.62	2.70	2.16	1.56	1.29	
21	0.96	3.06	3.06	8.70	7.86	62.50	68.75	4.56	2.70	2.22	1.53	1.26	
22	0.93	2.79	2.67	4.32	6.30	19.64	140.00	4.32	2.67	2.13	1.47	1.26	
23	0.90	2.85	2.55	5.64	8.64	18.44	149.00	4.20	2.61	2.10	1.53	1.26	
24	1.20	2.88	2.46	35.01	42.52	58.40	119.20	3.96	2.55	2.07	1.50	1.26	
25	1.71	4.68	2.16	9.12	11.91	79.28	30.64	3.66	2.55	2.04	1.56	1.26	
26	1.80	5.10	3.48	6.66	8.70	93.22	18.20	3.66	2.52	2.01	1.56	1.23	
27	2.37	8.76	3.90	4.68	6.66	47.36	15.08	3.54	2.49	2.01	1.56	1.23	
28	3.48	7.32	5.88	8.22	4.98	16.76	25.70	3.54	2.46	1.98	1.41	1.23	
29	1.95	3.15	2.97	4.68	4.20	11.55	25.89	3.60	2.46	1.98		1.26	
30	1.83	2.52	2.52	4.14	3.96	9.75	28.93	8.76	2.46	1.92		1.26	
31		2.61		3.42	3.36		34.06		2.43	1.89		1.23	
TOTAL	44.07	141.10	120.41	248.37	245.14	1457.92	1181.24	200.99	90.51	68.34	47.31	40.80	3886.20 CMSDAY
MEAN	1.47	4.55	4.01	8.01	7.91	48.60	38.10	6.70	2.92	2.20	1.69	1.32	10.65 CMS
MAX	3.78	21.90	18.32	35.01	42.52	221.00	149.00	29.12	4.74	2.40	1.95	1.41	221.00 CMS
MIN	0.87	1.02	1.59	2.22	2.64	4.08	4.86	3.54	2.43	1.89	1.41	1.23	0.87 CMS
RUNOFF	3.808	12.191	10.403	21.459	21.180	125.964	102.059	17.366	7.820	5.905	4.088	3.525	335.768 MCM

MOMENTARY PEAK 233.00 CMS, AT 10.00 M (A.D), AT 18.00 HOURS, ON SEP 17, 1985
RUNOFF YIELD 8.54 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 186.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

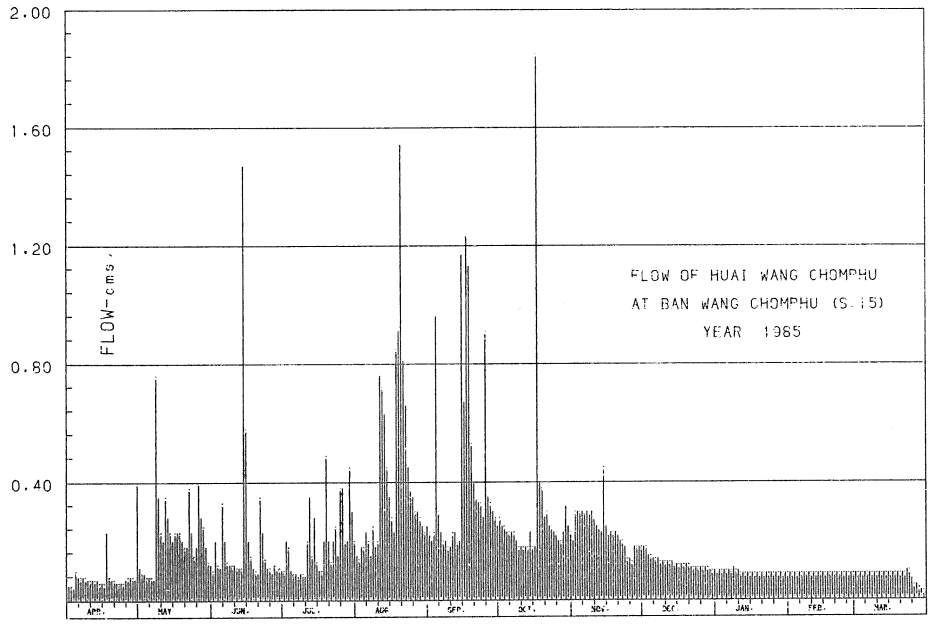
HUAI WANG CHOMPHU AT BAN WANG CHOMPHU, PHETCHABUN (S.15)

LOCATION	LAT. 16-15-36 N., LONG. 101-02-07 E., ON RIGHT BANK AT THE BRIDGE OF AMPHOE CHON DAN-BAN SAM YAEK WANG CHOMPHU ROAD, BAN WANG CHOMPHU, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	15 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+4.894 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 28 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.10	-0.04	-0.05	-0.05	0.00	0.03	0.05	0.02	0.01	-0.05	0.07	0.06	
2	-0.10	-0.06	0.02	0.02	-0.01	0.02	0.04	0.06	0.01	-0.05	0.07	0.06	
3	-0.11	-0.06	-0.03	0.01	0.01	0.03	0.04	0.06	0.00	-0.05	0.08	0.06	
4	-0.05	-0.07	-0.04	-0.05	0.01	0.22	0.03	0.06	0.00	-0.05	0.08	0.07	
5	-0.07	-0.07	0.07	-0.06	0.03	0.06	0.03	0.06	-0.01	-0.05	0.07	0.07	
6	-0.07	-0.07	0.02	-0.06	0.02	0.03	0.03	0.06	-0.01	-0.05	0.06	0.07	
7	-0.07	-0.08	-0.02	-0.07	0.00	0.02	0.03	0.06	-0.01	-0.05	0.06	0.07	
8	-0.07	0.18	-0.03	-0.06	0.04	0.02	0.02	0.06	-0.02	-0.04	0.07	0.07	
9	-0.08	0.08	-0.03	-0.06	0.01	0.01	0.01	0.06	-0.02	-0.05	0.07	0.06	
10	-0.08	0.03	-0.03	-0.07	0.02	0.01	0.01	0.05	-0.02	-0.05	0.07	0.06	
11	-0.08	0.02	-0.04	0.02	0.18	0.03	0.01	0.04	-0.02	-0.06	0.06	0.06	
12	-0.08	0.08	-0.04	0.08	0.17	0.03	0.01	0.04	-0.02	-0.06	0.04	0.01	
13	-0.08	0.05	-0.04	0.00	0.15	0.02	0.01	0.03	-0.02	-0.06	0.02	-0.03	
14	-0.09	0.03	0.31	0.05	0.11	0.02	0.03	0.11	-0.03	-0.02	0.08	-0.03	
15	-0.09	0.02	0.14	-0.02	0.08	0.26	0.01	0.04	-0.03	0.01	0.08	-0.03	
16	-0.09	0.03	0.02	-0.05	0.05	0.16	0.01	0.03	-0.03	0.01	0.08	-0.04	
17	0.03	0.03	0.00	-0.05	0.03	0.27	0.36	0.03	-0.03	0.02	-0.01	-0.05	
18	-0.07	0.03	-0.04	0.02	0.20	0.25	0.10	0.03	-0.03	0.03	-0.01	-0.05	
19	-0.08	0.02	-0.05	0.12	0.21	0.13	0.09	0.03	-0.03	0.03	-0.01	-0.05	
20	-0.08	0.01	-0.06	0.02	0.32	0.10	0.05	0.03	-0.03	0.03	-0.01	-0.05	
21	-0.09	0.01	0.08	-0.02	0.19	0.08	0.06	0.02	-0.04	-0.04	0.06	-0.06	
22	-0.09	0.09	0.03	0.02	0.16	0.07	0.04	0.02	-0.04	-0.02	0.06	-0.06	
23	-0.09	0.03	-0.01	0.04	0.11	0.07	0.04	0.01	-0.04	0.03	0.06	-0.05	
24	-0.09	0.00	-0.04	0.00	0.09	0.05	0.03	-0.01	-0.04	0.04	0.06	-0.05	
25	-0.08	0.01	-0.04	0.09	0.08	0.21	0.03	-0.01	-0.04	0.05	0.05	-0.08	
26	-0.07	0.10	-0.06	0.09	0.06	0.08	0.02	-0.02	-0.04	0.05	0.05	-0.10	
27	-0.07	0.05	-0.03	0.02	0.06	0.07	0.02	0.01	-0.04	0.05	0.07	-0.10	
28	-0.07	0.04	-0.05	0.02	0.05	0.06	0.03	0.01	-0.04	0.06	0.06	-0.11	
29	-0.08	0.01	-0.04	0.11	0.04	0.05	0.07	0.01	-0.05	0.06		-0.12	
30	0.10	-0.02	-0.05	0.06	0.03	0.04	0.04	0.01	-0.05	0.07		-0.12	
31		-0.03		0.02	0.04		0.03		-0.05	0.07		-0.13	
MEAN	-0.07	0.01	0.00	0.01	0.08	0.08	0.04	0.03	-0.03	0.00	0.05	-0.02	
MAX	0.10	0.18	0.31	0.12	0.32	0.27	0.36	0.11	0.01	0.07	0.08	0.07	0.36
MIN	-0.11	-0.08	-0.06	-0.07	-0.01	0.01	0.01	-0.02	-0.05	-0.06	-0.01	-0.13	-0.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.13 M (A.D), AT 18.00 HOURS, ON JUN 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.35 M (A.D)
LEFT BANK ELEVATION 3.99 M (A.D)
RIGHT BANK ELEVATION 4.80 M (A.D), DRAINAGE AREA 15 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.11	0.10	0.10	0.15	0.23	0.28	0.20	0.18	0.10	0.09	0.09	
2	0.05	0.09	0.20	0.20	0.14	0.20	0.25	0.30	0.18	0.10	0.09	0.09	
3	0.04	0.09	0.12	0.18	0.18	0.23	0.25	0.30	0.15	0.10	0.09	0.09	
4	0.10	0.08	0.11	0.10	0.18	0.96	0.23	0.30	0.15	0.10	0.09	0.09	
5	0.08	0.08	0.33	0.09	0.23	0.30	0.23	0.30	0.14	0.10	0.09	0.09	
6	0.08	0.08	0.20	0.09	0.20	0.23	0.23	0.30	0.14	0.10	0.09	0.09	
7	0.08	0.07	0.13	0.08	0.15	0.20	0.23	0.30	0.14	0.10	0.09	0.09	
8	0.08	0.76	0.12	0.09	0.25	0.20	0.20	0.30	0.13	0.11	0.09	0.09	
9	0.07	0.35	0.12	0.09	0.18	0.18	0.18	0.30	0.13	0.10	0.09	0.09	
10	0.07	0.23	0.12	0.08	0.20	0.18	0.18	0.28	0.13	0.10	0.09	0.09	
11	0.07	0.20	0.11	0.20	0.76	0.23	0.18	0.25	0.13	0.09	0.09	0.09	
12	0.07	0.35	0.11	0.35	0.72	0.23	0.18	0.25	0.13	0.09	0.09	0.09	
13	0.07	0.28	0.11	0.15	0.63	0.20	0.18	0.23	0.13	0.09	0.09	0.09	
14	0.06	0.23	1.47	0.28	0.45	0.20	0.23	0.45	0.12	0.09	0.09	0.09	
15	0.06	0.20	0.58	0.13	0.35	1.18	0.18	0.25	0.12	0.09	0.09	0.09	
16	0.06	0.23	0.20	0.10	0.28	0.67	0.18	0.23	0.12	0.09	0.09	0.09	
17	0.23	0.23	0.15	0.10	0.23	1.24	1.85	0.23	0.12	0.09	0.09	0.09	
18	0.08	0.23	0.11	0.20	0.85	1.13	0.40	0.23	0.12	0.09	0.09	0.09	
19	0.07	0.20	0.10	0.49	0.91	0.53	0.38	0.23	0.12	0.09	0.09	0.09	
20	0.07	0.18	0.09	0.20	1.55	0.40	0.28	0.23	0.12	0.09	0.09	0.09	
21	0.06	0.18	0.35	0.13	0.81	0.35	0.30	0.20	0.11	0.09	0.09	0.09	
22	0.06	0.38	0.23	0.20	0.67	0.33	0.25	0.20	0.11	0.09	0.09	0.09	
23	0.06	0.23	0.14	0.25	0.45	0.33	0.25	0.18	0.11	0.09	0.09	0.10	
24	0.06	0.15	0.11	0.15	0.38	0.28	0.23	0.14	0.11	0.09	0.09	0.10	
25	0.07	0.18	0.11	0.38	0.35	0.91	0.23	0.14	0.11	0.09	0.09	0.07	
26	0.08	0.40	0.09	0.38	0.30	0.35	0.20	0.13	0.11	0.09	0.09	0.05	
27	0.08	0.28	0.12	0.20	0.30	0.33	0.20	0.18	0.11	0.09	0.09	0.05	
28	0.08	0.25	0.10	0.20	0.28	0.30	0.23	0.18	0.11	0.09	0.09	0.04	
29	0.07	0.18	0.11	0.45	0.25	0.28	0.33	0.18	0.10	0.09		0.03	
30	0.40	0.13	0.10	0.30	0.23	0.25	0.25	0.18	0.10	0.09		0.03	
31		0.12		0.20	0.25		0.23		0.10	0.09		0.02	
TOTAL	2.56	6.75	6.04	6.14	12.86	12.63	9.00	7.17	3.88	2.90	2.52	2.47	74.92 CMSDAY
MEAN	0.09	0.22	0.20	0.20	0.41	0.42	0.29	0.24	0.13	0.09	0.09	0.08	0.21 CMS
MAX	0.40	0.76	1.47	0.49	1.55	1.24	1.85	0.45	0.18	0.11	0.09	0.10	1.85 CMS
MIN	0.04	0.07	0.09	0.08	0.14	0.18	0.18	0.13	0.10	0.09	0.09	0.02	0.02 CMS
RUNOFF	0.221	0.583	0.522	0.530	1.111	1.091	0.778	0.619	0.335	0.251	0.218	0.213	6.473 MCM

MOMENTARY PEAK 12.44 CMS, AT 1.13 M (A.D), AT 18.00 HOURS, ON JUN 14, 1985

RUNOFF YIELD 13.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 829.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

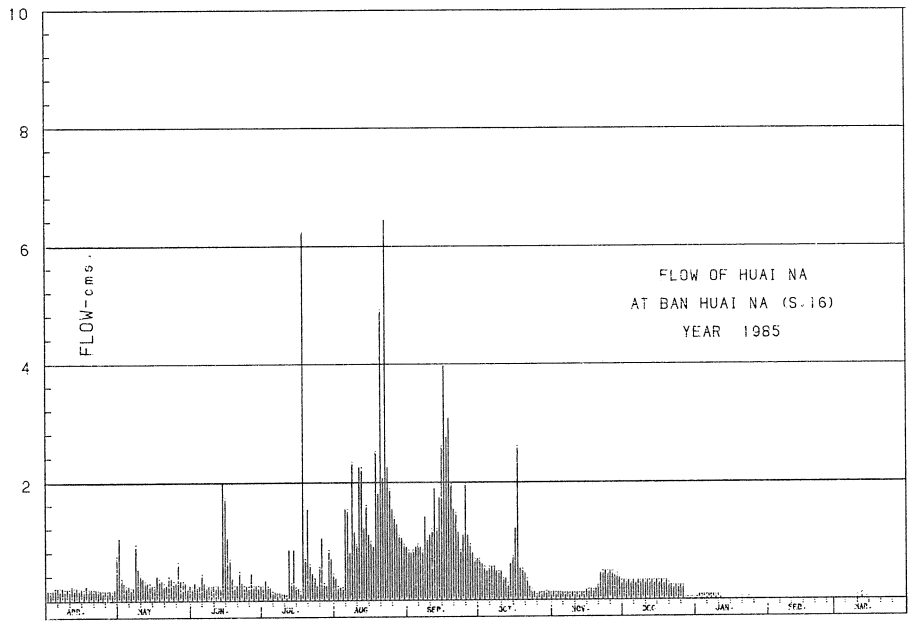
HUAI NA AT BAN HUAI NA, PHETCHABUN (S.16)

LOCATION	LAT. 16-16-00 N., LONG. 101-03-32 E., ON RIGHT BANK ABOUT 30 METERS DOWNSTREAM FROM THE BRIDGE ON HIGHWAY AT BAN HUAI NA, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	65 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.339 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 28 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.36	-0.12	-0.31	-0.31	-0.27	-0.16	-0.19	-0.38	-0.28	-0.46	-0.45	-0.07	
2	-0.36	-0.27	-0.29	-0.28	-0.31	-0.17	-0.21	-0.38	-0.28	-0.42	-0.45	-0.07	
3	-0.36	-0.29	-0.30	-0.31	-0.33	-0.16	-0.22	-0.38	-0.28	-0.42	-0.45	-0.46	
4	-0.33	-0.30	-0.31	-0.33	-0.32	-0.15	-0.24	-0.38	-0.28	-0.42	-0.45	-0.46	
5	-0.33	-0.31	-0.25	-0.37	-0.04	-0.14	-0.22	-0.39	-0.28	-0.42	-0.45	-0.46	
6	-0.33	-0.33	-0.29	-0.38	-0.04	-0.15	-0.22	-0.39	-0.28	-0.42	-0.45	-0.46	
7	-0.33	-0.33	-0.30	-0.39	-0.17	-0.16	-0.22	-0.39	-0.28	-0.42	-0.45	-0.46	
8	-0.34	-0.14	-0.31	-0.39	0.06	-0.06	-0.24	-0.39	-0.28	-0.42	-0.45	-0.46	
9	-0.34	-0.23	-0.31	-0.40	-0.10	-0.12	-0.24	-0.39	-0.28	-0.42	-0.45	-0.45	
10	-0.34	-0.25	-0.30	-0.40	-0.14	-0.11	-0.24	-0.39	-0.28	-0.42	-0.45	-0.44	
11	-0.31	-0.27	-0.30	-0.41	0.05	-0.09	-0.27	-0.39	-0.28	-0.42	-0.45	-0.42	
12	-0.33	-0.28	-0.30	-0.16	0.05	0.01	-0.27	-0.39	-0.28	-0.46	-0.45	-0.40	
13	-0.33	-0.29	-0.31	-0.29	-0.09	-0.09	-0.29	-0.39	-0.28	-0.46	-0.45	-0.46	
14	-0.33	-0.29	0.02	-0.16	-0.03	-0.01	-0.21	-0.39	-0.28	-0.46	-0.45	-0.46	
15	-0.34	-0.30	-0.01	-0.32	-0.11	0.09	-0.18	-0.36	-0.28	-0.46	-0.45	-0.46	
16	-0.34	-0.30	-0.12	-0.34	-0.13	0.23	-0.09	-0.35	-0.28	-0.46	-0.45	-0.46	
17	-0.31	-0.26	-0.19	-0.36	-0.15	0.11	0.09	-0.35	-0.28	-0.46	-0.45	-0.46	
18	-0.34	-0.27	-0.27	0.43	0.08	0.14	-0.23	-0.35	-0.28	-0.46	-0.45	-0.46	
19	-0.34	-0.28	-0.30	-0.19	0.00	0.02	-0.23	-0.35	-0.28	-0.46	-0.45	-0.46	
20	-0.34	-0.29	-0.30	-0.04	0.32	-0.04	-0.25	-0.30	-0.29	-0.45	-0.45	-0.46	
21	-0.35	-0.30	-0.24	-0.21	0.03	-0.05	-0.27	-0.25	-0.30	-0.45	-0.45	-0.46	
22	-0.35	-0.26	-0.29	-0.25	0.45	-0.10	-0.32	-0.24	-0.31	-0.45	-0.45	-0.46	
23	-0.36	-0.27	-0.30	-0.27	0.05	-0.16	-0.34	-0.24	-0.31	-0.45	-0.45	-0.46	
24	-0.36	-0.28	-0.31	-0.31	0.01	-0.11	-0.38	-0.24	-0.31	-0.45	-0.45	-0.46	
25	-0.36	-0.29	-0.31	-0.22	-0.04	0.02	-0.40	-0.24	-0.31	-0.45	-0.46	-0.46	
26	-0.36	-0.20	-0.25	-0.12	-0.06	-0.11	-0.39	-0.24	-0.31	-0.45	-0.45	-0.46	
27	-0.36	-0.28	-0.30	-0.29	-0.08	-0.14	-0.38	-0.26	-0.46	-0.45	-0.43	-0.46	
28	-0.36	-0.28	-0.30	-0.31	-0.11	-0.17	-0.38	-0.25	-0.46	-0.45	-0.07	-0.46	
29	-0.35	-0.29	-0.30	-0.16	-0.12	-0.19	-0.37	-0.27	-0.46	-0.45		-0.46	
30	-0.18	-0.30	-0.31	-0.19	-0.14	-0.19	-0.38	-0.28	-0.46	-0.45		-0.46	
31		-0.30		-0.25	-0.15		-0.38		-0.46	-0.45		-0.46	
MEAN	-0.34	-0.27	-0.27	-0.26	-0.06	-0.07	-0.26	-0.33	-0.31	-0.44	-0.44	-0.43	
MAX	-0.18	-0.12	0.02	0.43	0.45	0.23	0.09	-0.24	-0.28	-0.42	-0.07	-0.07	0.45
MIN	-0.36	-0.33	-0.31	-0.41	-0.33	-0.19	-0.40	-0.39	-0.46	-0.46	-0.46	-0.46	-0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.20 M (A.D), AT 6.00 HOURS, ON JUL 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.47 M (A.D)
LEFT BANK ELEVATION 5.01 M (A.D)
RIGHT BANK ELEVATION 3.49 M (A.D), DRAINAGE AREA 65 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	1.05	0.24	0.24	0.37	0.85	0.70	0.13	0.33	0.04	0.05	0.04	
2	0.16	0.37	0.29	0.33	0.24	0.80	0.61	0.13	0.33	0.08	0.05	0.04	
3	0.16	0.29	0.25	0.24	0.21	0.85	0.57	0.13	0.33	0.08	0.05	0.04	
4	0.21	0.25	0.24	0.21	0.22	0.90	0.49	0.13	0.33	0.08	0.05	0.04	
5	0.21	0.24	0.45	0.15	1.54	0.95	0.57	0.12	0.33	0.08	0.05	0.04	
6	0.21	0.21	0.29	0.13	1.54	0.90	0.57	0.12	0.33	0.08	0.05	0.04	
7	0.21	0.21	0.25	0.12	0.80	0.85	0.57	0.12	0.33	0.08	0.05	0.04	
8	0.19	0.95	0.24	0.12	2.34	1.41	0.49	0.12	0.33	0.08	0.05	0.04	
9	0.19	0.53	0.24	0.10	1.15	1.05	0.49	0.12	0.33	0.08	0.05	0.05	
10	0.19	0.45	0.25	0.10	0.95	1.10	0.49	0.12	0.33	0.08	0.05	0.06	
11	0.24	0.37	0.25	0.09	2.25	1.21	0.37	0.12	0.33	0.08	0.05	0.08	
12	0.21	0.33	0.25	0.85	2.25	1.89	0.37	0.12	0.33	0.04	0.05	0.10	
13	0.21	0.29	0.24	0.29	1.21	1.21	0.29	0.12	0.33	0.04	0.05	0.04	
14	0.21	0.29	1.98	0.85	1.61	1.74	0.61	0.12	0.33	0.04	0.05	0.04	
15	0.19	0.25	1.74	0.22	1.10	2.61	0.75	0.16	0.33	0.04	0.05	0.04	
16	0.19	0.25	1.05	0.19	1.00	3.97	1.21	0.18	0.33	0.04	0.05	0.04	
17	0.24	0.41	0.70	0.16	0.90	2.80	2.61	0.18	0.33	0.04	0.05	0.04	
18	0.19	0.37	0.37	6.21	2.52	3.08	0.53	0.18	0.33	0.04	0.05	0.04	
19	0.19	0.33	0.25	0.70	1.80	1.98	0.53	0.18	0.33	0.04	0.05	0.04	
20	0.19	0.29	0.25	1.54	4.92	1.54	0.45	0.25	0.29	0.05	0.05	0.04	
21	0.18	0.25	0.49	0.61	2.07	1.48	0.37	0.45	0.25	0.05	0.05	0.04	
22	0.18	0.41	0.29	0.45	6.48	1.15	0.22	0.49	0.24	0.05	0.05	0.04	
23	0.16	0.37	0.25	0.37	2.25	0.85	0.19	0.49	0.24	0.05	0.05	0.04	
24	0.16	0.33	0.24	0.24	1.89	1.10	0.13	0.49	0.24	0.05	0.05	0.04	
25	0.16	0.29	0.24	0.57	1.54	1.98	0.10	0.49	0.24	0.05	0.04	0.04	
26	0.16	0.65	0.45	1.05	1.41	1.10	0.12	0.49	0.24	0.05	0.05	0.04	
27	0.16	0.33	0.25	0.29	1.28	0.95	0.13	0.41	0.04	0.05	0.07	0.04	
28	0.16	0.33	0.25	0.24	1.10	0.80	0.13	0.45	0.04	0.05	0.04	0.04	
29	0.18	0.29	0.25	0.85	1.05	0.70	0.15	0.37	0.04	0.05		0.04	
30	0.75	0.25	0.24	0.70	0.95	0.70	0.13	0.33	0.04	0.05		0.04	
31		0.25		0.45	0.90		0.13		0.04	0.05		0.04	
TOTAL	6.20	11.48	12.77	18.66	49.84	42.50	15.07	7.31	8.21	1.76	1.40	1.37	176.57 CMSDAY
MEAN	0.21	0.37	0.43	0.60	1.61	1.42	0.49	0.24	0.26	0.06	0.05	0.04	0.48 CMS
MAX	0.75	1.05	1.98	6.21	6.48	3.97	2.61	0.49	0.33	0.08	0.07	0.10	6.48 CMS
MIN	0.16	0.21	0.24	0.09	0.21	0.70	0.10	0.12	0.04	0.04	0.04	0.04	0.04 CMS
RUNOFF	0.536	0.992	1.103	1.612	4.306	3.672	1.302	0.632	0.709	0.152	0.121	0.118	15.256 MCM

MOMENTARY PEAK 19.80 CMS, AT 1.20 M (A.D), AT 6.00 HOURS, ON JUL 18, 1985

RUNOFF YIELD 7.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 304.62 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

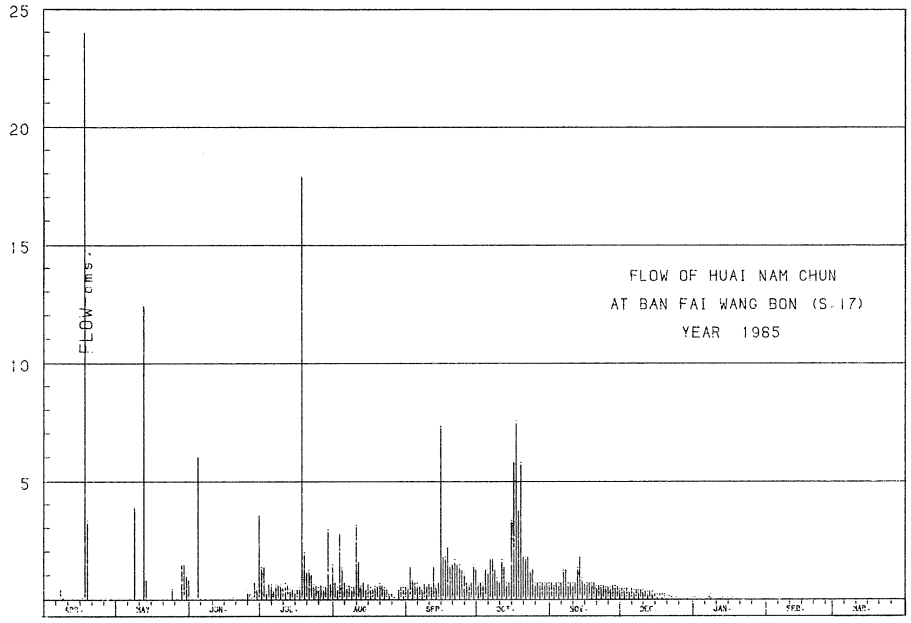
HUAI NAM CHUN AT BAN FAI WANG BON, PHETCHABUN (S.17)

LOCATION	LAT. 16-45-43 N., LONG. 101-08-44 E., ON LEFT BANK NEAR THE BRIDGE OF PHITSANULOK-LOMSAK ROAD, BAN FAI WANG BON, AMPHOE LOM SAK, PHETCHABUN.
DRAINAGE AREA	67 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+5.982 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 28 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.01	0.08	0.10	0.26	0.20	0.18	0.20	0.20	0.16	0.10	0.07	0.04	
2	-0.01	0.01	0.05	0.26	0.17	0.26	0.20	0.20	0.16	0.10	0.07	0.04	
3	-0.01	0.01	0.01	0.14	0.35	0.22	0.20	0.20	0.16	0.10	0.07	0.04	
4	-0.01	0.01	0.51	0.19	0.26	0.20	0.25	0.20	0.16	0.10	0.07	0.04	
5	-0.01	0.01	0.01	0.19	0.20	0.20	0.25	0.20	0.16	0.10	0.06	0.04	
6	0.00	0.01	0.05	0.14	0.18	0.17	0.29	0.25	0.15	0.10	0.06	0.04	
7	0.15	0.01	0.01	0.19	0.18	0.17	0.30	0.25	0.15	0.10	0.06	0.04	
8	0.04	0.41	0.01	0.18	0.17	0.19	0.25	0.20	0.15	0.10	0.05	0.04	
9	0.01	0.05	0.01	0.19	0.17	0.19	0.22	0.20	0.15	0.10	0.05	0.04	
10	-0.01	0.01	0.01	0.16	0.37	0.19	0.20	0.20	0.15	0.10	0.05	0.03	
11	-0.01	0.01	0.01	0.20	0.28	0.19	0.29	0.20	0.14	0.09	0.05	0.03	
12	-0.01	0.75	0.02	0.18	0.18	0.26	0.26	0.26	0.14	0.09	0.05	0.03	
13	0.01	0.21	0.01	0.16	0.20	0.18	0.20	0.30	0.14	0.09	0.05	0.03	
14	0.00	0.07	0.01	0.15	0.17	0.20	0.20	0.22	0.14	0.09	0.05	0.03	
15	0.00	0.03	0.01	0.15	0.19	0.57	0.38	0.19	0.12	0.09	0.05	0.02	
16	0.06	0.10	0.01	0.15	0.17	0.30	0.50	0.20	0.12	0.09	0.05	0.02	
17	1.11	0.01	0.01	0.17	0.15	0.30	0.58	0.20	0.12	0.08	0.05	0.02	
18	0.38	0.01	0.05	0.93	0.18	0.32	0.40	0.20	0.12	0.08	0.05	0.01	
19	0.08	0.01	0.07	0.31	0.17	0.27	0.50	0.20	0.12	0.08	0.05	0.01	
20	0.05	0.01	0.06	0.24	0.20	0.27	0.30	0.18	0.11	0.08	0.04	0.01	
21	0.05	0.03	0.05	0.25	0.18	0.29	0.30	0.18	0.11	0.08	0.04	0.01	
22	-0.01	0.02	0.05	0.23	0.17	0.27	0.30	0.18	0.10	0.08	0.04	0.01	
23	-0.01	0.02	0.09	0.19	0.15	0.27	0.25	0.18	0.10	0.08	0.04	0.01	
24	-0.01	0.18	0.10	0.18	0.12	0.25	0.25	0.17	0.10	0.08	0.04	0.02	
25	0.05	0.01	0.15	0.17	0.12	0.24	0.20	0.17	0.10	0.08	0.04	0.02	
26	0.03	0.03	0.12	0.18	0.10	0.20	0.20	0.17	0.10	0.08	0.04	0.02	
27	0.03	0.03	0.08	0.17	0.10	0.20	0.20	0.18	0.10	0.08	0.04	0.01	
28	0.01	0.28	0.20	0.17	0.17	0.20	0.20	0.18	0.10	0.08	0.04	0.01	
29	0.01	0.27	0.17	0.36	0.17	0.27	0.20	0.17	0.10	0.08		0.01	
30	0.06	0.24	0.39	0.19	0.17	0.25	0.20	0.16	0.10	0.08		0.01	
31		0.21		0.27	0.17		0.20		0.10	0.08		0.00	
MEAN	0.07	0.10	0.08	0.22	0.19	0.24	0.27	0.20	0.13	0.09	0.05	0.02	
MAX	1.11	0.75	0.51	0.93	0.37	0.57	0.58	0.30	0.16	0.10	0.07	0.04	1.11
MIN	-0.01	0.01	0.01	0.14	0.10	0.17	0.20	0.16	0.10	0.08	0.04	0.00	-0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.50 M (A.D), AT 15.00 HOURS, ON MAY 12, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.19 M (A.D)
LEFT BANK ELEVATION 7.46 M (A.D)
RIGHT BANK ELEVATION 6.60 M (A.D), DRAINAGE AREA 67 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.08	0.10	1.36	0.70	0.58	0.70	0.70	0.46	0.10	0.08	0.05	
2	0.02	0.03	0.06	1.36	0.52	1.36	0.70	0.70	0.46	0.10	0.08	0.05	
3	0.02	0.03	0.03	0.34	2.77	0.92	0.70	0.70	0.46	0.10	0.08	0.05	
4	0.02	0.03	6.02	0.64	1.36	0.70	1.25	0.70	0.46	0.10	0.08	0.05	
5	0.02	0.03	0.03	0.64	0.70	0.70	1.25	0.70	0.46	0.10	0.07	0.05	
6	0.02	0.03	0.06	0.34	0.58	0.52	1.69	1.25	0.40	0.10	0.07	0.05	
7	0.40	0.03	0.03	0.64	0.58	0.52	1.80	1.25	0.40	0.10	0.07	0.05	
8	0.05	3.95	0.03	0.58	0.52	0.64	1.25	0.70	0.40	0.10	0.06	0.05	
9	0.03	0.06	0.03	0.64	0.52	0.64	0.92	0.70	0.40	0.10	0.06	0.05	
10	0.02	0.03	0.03	0.46	3.16	0.64	0.70	0.70	0.40	0.10	0.06	0.04	
11	0.02	0.03	0.03	0.70	1.58	0.64	1.69	0.70	0.34	0.09	0.06	0.04	
12	0.02	12.50	0.04	0.58	0.58	1.36	1.36	1.36	0.34	0.09	0.06	0.04	
13	0.03	0.81	0.03	0.46	0.70	0.58	0.70	1.80	0.34	0.09	0.06	0.04	
14	0.02	0.08	0.03	0.40	0.52	0.70	0.70	0.92	0.34	0.09	0.06	0.04	
15	0.02	0.04	0.03	0.40	0.64	7.34	3.35	0.64	0.22	0.09	0.06	0.04	
16	0.07	0.10	0.03	0.40	0.52	1.80	5.80	0.70	0.22	0.09	0.06	0.04	
17	24.00	0.03	0.03	0.52	0.40	1.80	7.56	0.70	0.22	0.08	0.06	0.04	
18	3.35	0.03	0.06	17.90	0.58	2.19	3.74	0.70	0.22	0.08	0.06	0.03	
19	0.08	0.03	0.08	1.99	0.52	1.47	5.80	0.70	0.22	0.08	0.06	0.03	
20	0.06	0.03	0.07	1.14	0.70	1.47	1.80	0.58	0.16	0.08	0.05	0.03	
21	0.06	0.04	0.06	1.25	0.58	1.69	1.80	0.58	0.16	0.08	0.05	0.03	
22	0.02	0.04	0.06	1.03	0.52	1.47	1.80	0.58	0.10	0.08	0.05	0.03	
23	0.02	0.04	0.09	0.64	0.40	1.47	1.25	0.58	0.10	0.08	0.05	0.03	
24	0.02	0.58	0.10	0.58	0.22	1.25	1.25	0.52	0.10	0.08	0.05	0.04	
25	0.06	0.03	0.40	0.52	0.22	1.14	0.70	0.52	0.10	0.08	0.05	0.04	
26	0.04	0.04	0.22	0.58	0.10	0.70	0.70	0.52	0.10	0.08	0.05	0.04	
27	0.04	0.04	0.08	0.52	0.10	0.70	0.70	0.58	0.10	0.08	0.05	0.03	
28	0.03	1.58	0.70	0.52	0.52	0.70	0.70	0.58	0.10	0.08	0.05	0.03	
29	0.03	1.47	0.52	2.96	0.52	1.47	0.70	0.52	0.10	0.08		0.03	
30	0.07	1.14	3.55	0.64	0.52	1.25	0.70	0.46	0.10	0.08		0.03	
31		0.81		1.47	0.52		0.70		0.10	0.08		0.02	
TOTAL	28.68	23.79	12.63	42.20	22.37	38.41	54.46	22.34	8.08	2.74	1.70	1.21	258.61 CMSDAY
MEAN	0.96	0.77	0.42	1.36	0.72	1.28	1.76	0.74	0.26	0.09	0.06	0.04	0.71 CMS
MAX	24.00	12.50	6.02	17.90	3.16	7.34	7.56	1.80	0.46	0.10	0.08	0.05	24.00 CMS
MIN	0.02	0.03	0.03	0.34	0.10	0.52	0.70	0.46	0.10	0.08	0.05	0.02	0.02 CMS
RUNOFF	2.478	2.055	1.091	3.646	1.933	3.319	4.705	1.930	0.698	0.237	0.147	0.105	22.344 MCM

MOMENTARY PEAK 97.20 CMS, AT 2.50 M (A.D), AT 15.00 HOURS, ON MAY 12, 1985

RUNOFF YIELD 10.57 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1450.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PASAK RIVER BASIN

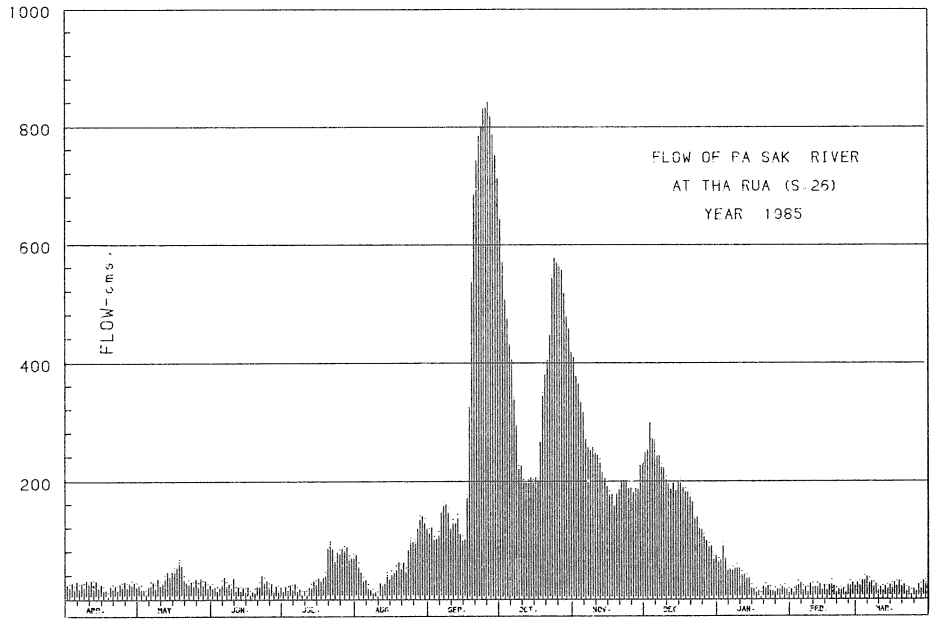
PASAK RIVER AT THA RUA, PHRA NAKHON SI AYUTTHAYA (S.26)

LOCATION	LAT. 14-33-22 N., LONG. 100-43-38 E., ON RIGHT BANK AT THE RAILWAY BRIDGE, AMPHOE THA RUA, PHRA NAKHON SI AYUTTHAYA.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.710 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	1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1985 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.93	2.90	2.97	2.85	3.90	4.47	9.17	7.41	5.98	3.82	2.74	3.02	
2	2.96	2.91	2.83	2.85	3.69	4.50	8.61	7.19	6.06	3.78	2.79	3.08	
3	3.00	2.70	2.84	2.88	3.37	4.31	8.19	7.04	6.46	4.17	2.86	3.09	
4	2.88	2.70	2.79	2.93	3.22	4.25	7.91	6.82	6.26	3.81	3.07	3.24	
5	3.04	2.84	3.09	2.93	3.11	4.41	7.61	6.62	6.19	3.55	3.01	3.22	
6	2.93	3.05	3.20	2.97	2.96	4.81	7.38	6.25	5.97	3.47	2.90	3.17	
7	2.98	3.02	3.04	2.84	2.70	5.03	6.85	6.06	5.92	3.56	2.83	3.06	
8	2.99	2.95	2.95	2.75	2.75	4.98	6.42	6.07	5.78	3.50	2.83	3.02	
9	3.09	3.14	2.96	2.68	2.61	4.90	5.75	6.06	5.72	3.65	2.98	2.97	
10	3.10	3.06	3.17	2.68	2.64	4.46	5.75	6.02	5.56	3.51	3.01	2.85	
11	3.08	2.98	2.84	2.68	3.00	4.66	5.50	5.93	5.41	3.40	2.84	2.83	
12	3.09	3.26	2.83	2.82	3.06	4.58	5.43	5.86	5.37	3.30	3.00	2.88	
13	3.06	3.37	2.85	2.97	2.98	4.77	5.49	5.64	5.43	3.30	2.96	2.85	
14	2.97	3.37	2.80	3.07	3.36	4.35	5.54	5.59	5.34	3.17	2.91	2.92	
15	2.93	3.38	2.80	3.10	3.14	4.31	5.50	5.36	5.46	2.95	2.91	2.92	
16	2.85	3.52	2.83	3.17	3.42	4.24	5.54	5.25	5.50	2.75	2.89	2.99	
17	2.67	3.52	2.67	3.23	3.36	5.19	5.53	5.19	5.33	2.77	2.93	3.01	
18	2.59	3.78	2.63	3.19	3.59	6.71	6.15	5.01	5.32	2.67	3.11	3.06	
19	2.84	3.58	2.77	3.38	3.71	8.41	6.91	5.20	5.24	2.60	2.88	3.07	
20	2.93	3.25	2.84	4.05	3.65	9.43	7.17	5.36	5.20	2.86	2.80	3.04	
21	2.86	3.01	3.03	4.19	3.70	9.87	7.42	5.48	5.03	2.98	2.73	2.93	
22	2.87	3.10	3.25	4.03	3.52	10.13	7.70	5.55	4.73	2.88	2.85	2.84	
23	2.96	3.05	3.20	3.84	4.01	10.28	8.45	5.48	4.72	2.86	2.78	2.81	
24	3.00	3.04	3.09	3.96	4.27	10.44	8.66	5.38	4.55	2.66	2.79	2.72	
25	3.04	3.13	3.00	4.02	4.18	10.49	8.63	5.32	4.45	2.80	2.93	2.74	
26	2.99	3.01	2.97	4.05	4.24	10.52	8.56	5.30	4.36	2.74	3.07	2.85	
27	2.98	3.15	2.83	4.09	4.47	10.39	8.55	5.32	4.21	2.90	3.01	2.94	
28	3.07	3.08	2.87	4.08	4.74	10.15	8.23	5.36	4.16	2.85	3.05	2.97	
29	3.01	3.08	2.87	3.88	4.73	9.94	7.98	5.76	4.10	2.95		3.08	
30	3.00	2.97	2.83	3.82	4.69	9.63	7.78	5.83	3.87	2.72		3.10	
31		2.91		3.92	4.47		7.52		3.89	2.78		3.07	
MEAN	2.96	3.12	2.92	3.35	3.59	6.82	7.16	5.82	5.21	3.15	2.91	2.98	
MAX	3.10	3.78	3.25	4.19	4.74	10.52	9.17	7.41	6.46	4.17	3.11	3.24	10.52
MIN	2.59	2.70	2.63	2.68	2.61	4.24	5.43	5.01	3.87	2.60	2.73	2.72	2.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.53 M (A.D), AT 15.00 HOURS, ON SEP 26, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.64 M (A.D)
LEFT BANK ELEVATION 9.92 M (A.D)
RIGHT BANK ELEVATION 9.71 M (A.D), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	25.2	24.0	26.8	22.0	76.0	120.6	648.8	409.3	249.0	70.4	17.6	29.0	
2	26.4	24.4	21.2	22.0	62.5	123.0	570.4	382.8	257.0	67.8	19.6	32.0	
3	28.0	16.0	21.6	23.2	46.5	107.8	511.6	364.8	298.6	96.6	22.4	32.5	
4	23.2	16.0	19.6	25.2	39.0	103.0	474.3	338.4	277.0	69.7	31.5	40.0	
5	30.0	21.6	32.5	25.2	33.5	115.8	435.3	316.2	270.0	55.5	28.5	39.0	
6	25.2	30.5	38.0	26.8	26.4	147.8	405.6	276.0	248.0	51.5	24.0	36.5	
7	27.2	29.0	30.0	21.6	16.0	165.4	342.0	257.0	243.0	56.0	21.2	31.0	
8	27.6	26.0	26.0	18.0	18.0	161.4	294.2	258.0	229.0	53.0	21.2	29.0	
9	32.5	35.0	26.4	15.2	12.4	155.0	226.0	257.0	223.0	60.5	27.2	26.8	
10	33.0	31.0	36.5	15.2	13.6	119.8	226.0	253.0	208.4	53.5	28.5	22.0	
11	32.0	27.2	21.6	15.2	28.0	135.8	203.0	244.0	195.8	48.0	21.6	21.2	
12	32.5	41.0	21.2	20.8	31.0	129.4	197.4	237.0	192.6	43.0	28.0	23.2	
13	31.0	46.5	22.0	26.8	27.2	144.6	202.2	215.6	197.4	43.0	26.4	22.0	
14	26.8	46.5	20.0	31.5	46.0	111.0	206.6	211.1	190.2	36.5	24.4	24.8	
15	25.2	47.0	20.0	33.0	35.0	107.8	203.0	191.8	199.8	26.0	24.4	24.8	
16	22.0	54.0	21.2	36.5	49.0	102.2	206.6	183.0	203.0	18.0	23.6	27.6	
17	14.8	54.0	14.8	39.5	46.0	178.2	205.7	178.2	189.4	18.8	25.2	28.5	
18	11.8	67.8	13.2	37.5	57.5	326.1	266.0	163.8	188.6	14.8	33.5	31.0	
19	21.6	57.0	18.8	47.0	63.6	542.4	349.2	179.0	182.2	12.0	23.2	31.5	
20	25.2	40.5	21.6	87.0	60.5	685.2	380.4	191.8	179.0	22.4	20.0	30.0	
21	22.4	28.5	29.5	98.2	63.0	746.8	410.6	201.4	165.4	27.2	17.2	25.2	
22	22.8	33.0	40.5	85.4	54.0	784.5	447.0	207.5	141.4	23.2	22.0	21.6	
23	26.4	30.5	38.0	71.8	83.8	807.0	548.0	201.4	140.6	22.4	19.2	20.4	
24	28.0	30.0	32.5	80.2	104.6	831.0	577.4	193.4	127.0	14.4	19.6	16.8	
25	30.0	34.5	28.0	84.6	97.4	838.5	573.2	188.6	119.0	20.0	25.2	17.6	
26	27.6	28.5	26.8	87.0	102.2	843.2	563.4	187.0	111.8	17.6	31.5	22.0	
27	27.2	35.5	21.2	90.2	120.6	823.5	562.0	188.6	99.8	24.0	28.5	25.6	
28	31.5	32.0	22.8	89.4	142.2	787.5	517.2	191.8	95.8	22.0	30.5	26.8	
29	28.5	32.0	22.8	74.6	141.4	756.6	483.4	227.0	91.0	26.0		32.0	
30	28.0	26.8	21.2	70.4	138.2	713.2	457.4	234.0	73.9	16.8		33.0	
31		24.4		77.4	120.6		423.6		75.3	19.2		31.5	
TOTAL	793.6	1070.7	756.3	1498.4	1955.7	11714.1	12117.5	7128.5	5662.0	1149.8	685.7	854.9	45387.2 CMSDAY
MEAN	26.5	34.5	25.2	48.3	63.1	390.5	390.9	237.6	182.6	37.1	24.5	27.6	124.3 CMS
MAX	33.0	67.8	40.5	98.2	142.2	843.2	648.8	409.3	298.6	96.6	33.5	40.0	843.2 CMS
MIN	11.8	16.0	13.2	15.2	12.4	102.2	197.4	163.8	73.9	12.0	17.2	16.8	11.8 CMS
RUNOFF	68.57	92.51	65.34	129.46	168.97	1012.10	1046.95	615.90	489.20	99.34	59.24	73.86	3921.45 MCM

MOMENTARY PEAK 844.80 CMS, AT 10.53 M (A.D), AT 15.00 HOURS, ON SEP 26, 1985

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SALAWIN RIVER BASIN

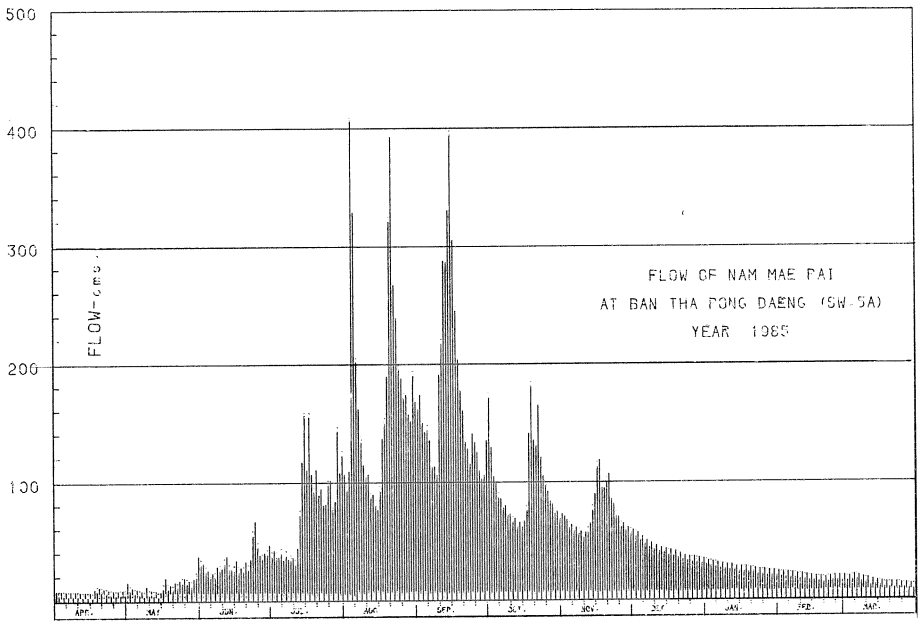
NAM MAE PAI AT BAN THA PONG DAENG, MAE HONG SON (SW.5A)

LOCATION	LAT. 19-16-10 N., LONG. 97-56-55 E., ON LEFT BANK AT BAN THA PONG DAENG, AMPHOE MUANG, MAE HONG SON.
DRAINAGE AREA	4,466 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE STATION OFFICE.
ELEVATION	+8.372 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	1984 TO DATE.
RATED BY FLOAT	-
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 214 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.73	0.84	1.08	1.15	1.72	2.14	2.20	1.44	1.32	1.07	0.95	0.90	
2	0.73	0.80	1.04	1.16	1.64	2.19	1.89	1.46	1.31	1.06	0.94	0.89	
3	0.73	0.77	1.01	1.15	1.74	2.06	1.74	1 '	1.30	1.06	0.94	0.89	
4	0.73	0.76	0.97	1.10	3.41	1.98	1.66	1.38	1.28	1.05	0.94	0.90	
5	0.72	0.75	0.95	1.18	3.10	2.02	1.59	1.36	1.27	1.05	0.94	0.91	
6	0.72	0.74	0.94	1.07	2.39	1.93	1.55	1.35	1.25	1.04	0.93	0.91	
7	0.72	0.73	0.95	1.16	2.11	1.80	1.52	1.34	1.24	1.04	0.93	0.90	
8	0.72	0.72	1.01	1.08	1.96	1.77	1.50	1.33	1.23	1.03	0.93	0.89	
9	0.72	0.79	1.02	1.12	1.78	1.75	1.47	1.31	1.22	1.03	0.92	0.88	
10	0.72	0.74	0.99	1.10	1.74	2.30	1.44	1.30	1.21	1.02	0.92	0.87	
11	0.71	0.74	1.09	1.08	1.72	2.49	1.42	1.30	1.20	1.02	0.92	0.87	
12	0.71	0.73	1.11	1.18	1.59	2.88	1.41	1.34	1.19	1.02	0.91	0.84	
13	0.71	0.73	1.03	1.47	1.58	2.90	1.38	1.37	1.18	1.01	0.91	0.85	
14	0.71	0.71	0.98	1.80	1.54	3.11	1.38	1.50	1.18	1.00	0.90	0.85	
15	0.71	0.71	1.02	2.09	1.47	3.37	1.38	1.58	1.17	1.00	0.90	0.84	
16	0.70	0.82	1.07	1.75	1.64	2.97	1.39	1.80	1.16	1.00	0.90	0.84	
17	0.75	0.89	1.01	2.09	1.94	2.66	1.50	1.81	1.16	1.00	0.89	0.83	
18	0.79	0.82	1.00	1.72	2.06	2.38	1.97	1.66	1.15	1.00	0.89	0.82	
19	0.78	0.81	1.01	1.63	2.29	2.24	2.26	1.62	1.15	1.00	0.89	0.82	
20	0.78	0.80	1.06	1.75	3.08	2.10	1.93	1.70	1.14	0.99	0.88	0.82	
21	0.76	0.84	1.03	1.61	3.35	1.95	1.93	1.72	1.13	0.99	0.88	0.82	
22	0.76	0.83	1.08	1.62	2.79	1.88	2.13	1.58	1.12	0.98	0.89	0.82	
23	0.74	0.86	1.32	1.54	2.60	1.82	1.86	1.51	1.11	0.97	0.89	0.82	
24	0.74	0.89	1.39	1.51	2.35	1.97	1.71	1.46	1.11	0.97	0.90	0.82	
25	0.73	0.89	1.23	1.68	2.28	1.95	1.68	1.42	1.10	0.97	0.90	0.81	
26	0.73	0.88	1.12	1.68	2.20	1.86	1.60	1.38	1.10	0.97	0.90	0.81	
27	0.73	0.86	1.13	1.49	2.19	1.78	1.57	1.37	1.10	0.96	0.90	0.81	
28	0.74	0.85	1.14	1.53	2.11	1.69	1.51	1.36	1.09	0.96	0.90	0.80	
29	0.74	0.88	1.17	2.01	2.04	1.75	1.48	1.34	1.09	0.96		0.80	
30	0.74	0.95	1.21	1.73	2.32	1.93	1.46	1.33	1.08	0.96		0.80	
31		1.11		1.87	2.15		1.44		1.08	0.95		0.80	
MEAN	0.73	0.81	1.07	1.49	2.16	2.19	1.64	1.46	1.17	1.00	0.91	0.85	
MAX	0.79	1.11	1.39	2.09	3.41	3.37	2.26	1.81	1.32	1.07	0.95	0.91	3.41
MIN	0.70	0.71	0.94	1.07	1.47	1.69	1.38	1.30	1.08	0.95	0.88	0.80	0.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.50 M (A.D), AT 13.00 HOURS, ON AUG 21, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.06 M (A.D)
LEFT BANK ELEVATION 10.88 M (A.D)
RIGHT BANK ELEVATION 5.47 M (A.D), DRAINAGE AREA 4466 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.50	15.62	34.80	41.25	106.60	166.50	175.50	72.80	59.20	33.95	24.00	20.00	
2	8.50	12.70	31.40	42.20	96.80	174.00	129.60	75.20	58.10	33.10	23.20	19.27	
3	8.50	10.90	28.85	41.25	109.20	154.50	109.20	68.00	57.00	33.10	23.20	19.27	
4	8.50	10.30	25.60	36.50	408.80	142.60	99.20	65.80	54.80	32.25	23.20	20.00	
5	7.90	9.70	24.00	44.10	328.50	148.50	90.80	63.60	53.70	32.25	23.20	20.80	
6	7.90	9.10	23.20	33.95	205.40	135.35	86.00	62.50	51.50	31.40	22.40	20.80	
7	7.90	8.50	24.00	42.20	162.00	117.00	82.40	61.40	50.40	31.40	22.40	20.00	
8	7.90	7.90	28.85	34.80	139.70	113.10	80.00	60.30	49.30	30.55	22.40	19.27	
9	7.90	12.10	29.70	38.40	114.40	110.50	76.40	58.10	48.20	30.55	21.60	18.54	
10	7.90	9.10	27.20	36.50	109.20	191.00	72.80	57.00	47.10	29.70	21.60	17.81	
11	7.30	9.10	35.65	34.80	106.60	221.40	70.40	57.00	46.00	29.70	21.60	17.81	
12	7.30	8.50	37.45	44.10	90.80	287.40	69.20	61.40	45.05	29.70	20.80	15.62	
13	7.30	8.50	30.55	76.40	89.60	291.00	65.80	64.70	44.10	28.85	20.80	16.35	
14	7.30	7.30	26.40	117.00	84.80	330.25	65.80	80.00	44.10	28.00	20.00	16.35	
15	7.30	7.30	29.70	159.00	76.40	397.90	65.80	89.60	43.15	28.00	20.00	15.62	
16	6.70	14.16	33.95	110.50	96.80	305.00	66.90	117.00	42.20	28.00	20.00	15.62	
17	9.70	19.27	28.85	159.00	136.80	249.20	80.00	118.40	42.20	28.00	19.27	14.89	
18	12.10	14.16	28.00	106.60	154.50	203.80	141.15	99.20	41.25	28.00	19.27	14.16	
19	11.50	13.43	28.85	95.60	189.45	181.70	184.80	94.40	41.25	28.00	19.27	14.16	
20	11.50	12.70	33.10	110.50	325.00	160.50	135.35	104.00	40.30	27.20	18.54	14.16	
21	10.30	15.62	30.55	93.20	392.50	138.25	135.35	106.60	39.35	27.20	18.54	14.16	
22	10.30	14.89	34.80	94.40	271.30	128.20	165.00	89.60	38.40	26.40	19.27	14.16	
23	9.10	17.08	59.20	84.80	239.00	119.80	125.40	81.20	37.45	25.60	19.27	14.16	
24	9.10	19.27	66.90	81.20	199.00	141.15	105.30	75.20	37.45	25.60	20.00	14.16	
25	8.50	19.27	49.30	101.60	187.90	138.25	101.60	70.40	36.50	25.60	20.00	13.43	
26	8.50	18.54	38.40	101.60	175.50	125.40	92.00	65.80	36.50	25.60	20.00	13.43	
27	8.50	17.08	39.35	78.80	174.00	114.40	88.40	64.70	36.50	24.80	20.00	13.43	
28	9.10	16.35	40.30	83.60	162.00	102.80	81.20	63.60	35.65	24.80	20.00	12.70	
29	9.10	18.54	43.15	147.00	151.50	110.50	77.60	61.40	35.65	24.80		12.70	
30	9.10	24.00	47.10	107.90	194.20	135.35	75.20	60.30	34.80	24.80		12.70	
31		37.45		126.80	168.00		72.80		34.80	24.00		12.70	
TOTAL	261.00	438.43	1039.15	2505.55	5446.25	5335.30	3066.95	2269.20	1361.95	880.90	583.83	498.23	23686.74 CMSDAY
MEAN	8.70	14.14	34.64	80.82	175.69	177.84	98.93	75.64	43.93	28.42	20.85	16.07	64.90 CMS
MAX	12.10	37.45	66.90	159.00	408.80	397.90	184.80	118.40	59.20	33.95	24.00	20.80	408.80 CMS
MIN	6.70	7.30	23.20	33.95	76.40	102.80	65.80	57.00	34.80	24.00	18.54	12.70	6.70 CMS
RUNOFF	22.550	37.880	89.783	216.480	470.556	460.970	264.984	196.059	117.672	76.110	50.443	43.047	2046.534 MCM

MOMENTARY PEAK 434.00 CMS, AT 3.50 M (A.D), AT 13.00 HOURS, ON AUG 21, 1985

RUNOFF YIELD 14.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 97.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SALAWIN RIVER BASIN

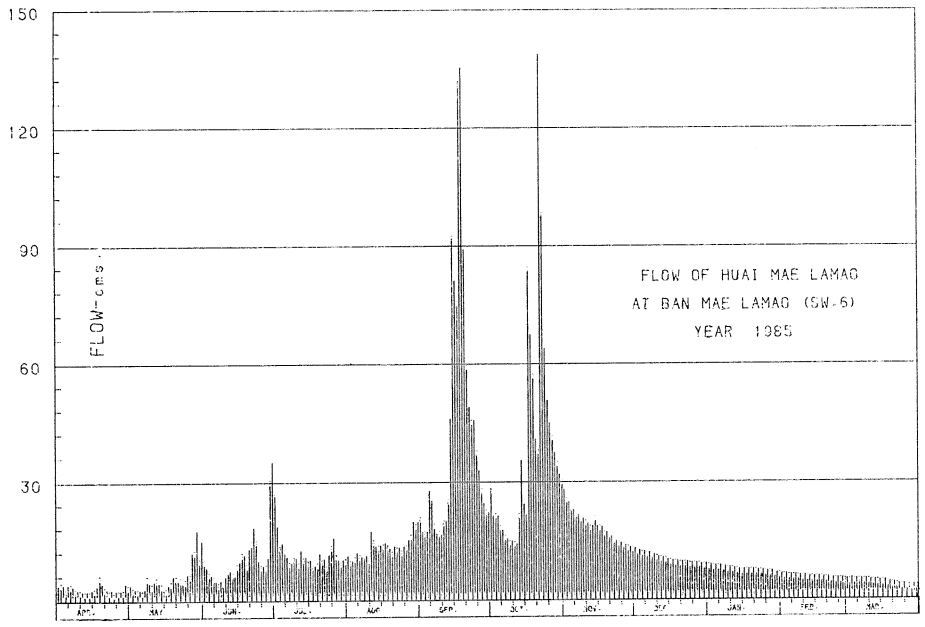
HUAI MAE LAMAO AT BAN MAE LAMAO, TAK (SW.6)

LOCATION	LAT. 16-45- 44 N., LONG. 98-45-14 E., ON LEFT BANK DOWNSTREAM FROM THE BRIDGE ON HIGHWAY, AT BAN MAE LAMAO, AMPHOE MAE SOT, TAK.
DRAINAGE AREA	1,038 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 6.25 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+10.386 M.(A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 122 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.54	0.54	0.82	1.44	0.86	1.22	1.46	1.45	0.93	0.77	0.67	0.61	
2	0.58	0.51	0.74	1.14	0.81	1.09	1.23	1.38	0.92	0.77	0.67	0.61	
3	0.55	0.49	0.69	0.95	0.81	1.09	1.25	1.35	0.91	0.76	0.67	0.62	
4	0.49	0.49	0.66	0.98	0.85	1.09	1.23	1.31	0.90	0.76	0.66	0.61	
5	0.55	0.48	0.64	0.93	0.89	1.44	1.14	1.28	0.90	0.76	0.66	0.61	
6	0.56	0.47	0.59	0.85	0.87	1.36	1.10	1.26	0.89	0.76	0.66	0.61	
7	0.53	0.49	0.57	0.80	0.85	1.16	1.05	1.24	0.89	0.75	0.66	0.61	
8	0.49	0.65	0.60	0.79	0.88	1.07	1.02	1.22	0.88	0.75	0.65	0.61	
9	0.48	0.57	0.60	0.85	0.86	1.09	1.00	1.21	0.87	0.74	0.65	0.61	
10	0.48	0.56	0.64	0.84	0.84	1.06	1.00	1.19	0.86	0.74	0.65	0.61	
11	0.46	0.59	0.74	0.79	1.09	1.19	0.99	1.16	0.85	0.74	0.65	0.60	
12	0.46	0.63	0.71	0.91	1.01	1.19	0.97	1.14	0.85	0.73	0.64	0.60	
13	0.46	0.57	0.69	0.84	0.95	1.37	1.25	1.14	0.84	0.73	0.64	0.60	
14	0.46	0.56	0.65	0.85	0.96	1.97	1.68	1.23	0.84	0.72	0.64	0.60	
15	0.48	0.48	0.78	0.81	0.96	3.13	1.37	1.14	0.82	0.72	0.64	0.59	
16	0.50	0.50	0.80	0.82	0.97	2.86	1.24	1.14	0.82	0.72	0.64	0.59	
17	0.53	0.54	0.89	0.77	0.98	2.73	2.94	1.13	0.81	0.72	0.64	0.59	
18	0.66	0.59	0.87	0.76	0.96	4.01	2.52	1.09	0.81	0.72	0.64	0.58	
19	0.56	0.65	0.78	0.79	0.93	4.10	2.26	1.08	0.81	0.72	0.63	0.57	
20	0.52	0.65	0.93	0.88	0.90	3.05	1.83	1.07	0.80	0.72	0.63	0.56	
21	0.49	0.59	1.00	0.82	0.95	2.32	1.76	1.04	0.80	0.72	0.63	0.56	
22	0.47	0.63	1.13	0.83	0.94	2.05	4.14	1.02	0.80	0.71	0.63	0.55	
23	0.48	0.56	1.01	0.76	0.94	1.96	3.27	1.00	0.80	0.71	0.62	0.54	
24	0.44	0.61	0.81	0.87	0.91	1.96	2.43	0.99	0.79	0.71	0.62	0.54	
25	0.47	0.67	0.77	0.96	0.95	1.75	2.12	0.98	0.79	0.70	0.62	0.54	
26	0.47	0.67	0.76	1.03	0.96	1.60	1.94	0.98	0.79	0.70	0.62	0.54	
27	0.47	0.89	0.77	0.87	1.01	1.46	1.85	0.96	0.79	0.70	0.62	0.53	
28	0.48	0.91	0.84	0.82	1.06	1.34	1.74	0.95	0.79	0.70	0.61	0.53	
29	0.56	1.10	1.53	0.80	1.18	1.28	1.67	0.94	0.78	0.69		0.53	
30	0.54	0.83	1.67	0.82	1.16	1.26	1.57	0.94	0.78	0.68		0.53	
31		1.00		0.83	1.18		1.53		0.78	0.68		0.52	
MEAN	0.51	0.63	0.82	0.88	0.95	1.81	1.70	1.13	0.84	0.73	0.64	0.58	
MAX	0.66	1.10	1.67	1.44	1.18	4.10	4.14	1.45	0.93	0.77	0.67	0.62	4.14
MIN	0.44	0.47	0.57	0.76	0.81	1.06	0.97	0.94	0.78	0.68	0.61	0.52	0.44

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.25 M (A.D), AT 15.00 HOURS, ON OCT 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.73 M (A.D)
LEFT BANK ELEVATION 14.45 M (A.D)
RIGHT BANK ELEVATION 13.15 M (A.D), DRAINAGE AREA 1038 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.80	3.80	10.22	27.68	11.26	21.00	28.32	28.00	13.11	8.98	6.61	5.23	
2	4.60	3.20	8.26	18.78	9.96	17.43	21.30	25.80	12.84	8.98	6.61	5.23	
3	4.00	2.83	7.07	13.65	9.96	17.43	21.90	24.90	12.57	8.74	6.61	5.46	
4	2.83	2.83	6.38	14.46	11.00	17.43	21.30	23.70	12.30	8.74	6.38	5.23	
5	4.00	2.65	5.92	13.11	12.04	27.68	18.78	22.80	12.30	8.74	6.38	5.23	
6	4.20	2.48	4.80	11.00	11.52	25.20	17.70	22.20	12.04	8.74	6.38	5.23	
7	3.60	2.83	4.40	9.70	11.00	19.32	16.35	21.60	12.04	8.50	6.38	5.23	
8	2.83	6.15	5.00	9.46	11.78	16.89	15.54	21.00	11.78	8.50	6.15	5.23	
9	2.65	4.40	5.00	11.00	11.26	17.43	15.00	20.70	11.52	8.26	6.15	5.23	
10	2.65	4.20	5.92	10.74	10.74	16.62	15.00	20.13	11.26	8.26	6.15	5.23	
11	2.30	4.80	8.26	9.46	17.43	20.13	14.73	19.32	11.00	8.26	6.15	5.00	
12	2.30	5.69	7.54	12.57	15.27	20.13	14.19	18.78	11.00	8.02	5.92	5.00	
13	2.30	4.40	7.07	10.74	13.65	25.50	21.90	18.78	10.74	8.02	5.92	5.00	
14	2.30	4.20	6.15	11.00	13.92	46.08	35.43	21.30	10.74	7.78	5.92	5.00	
15	2.65	2.65	9.22	9.96	13.92	92.46	25.50	18.78	10.22	7.78	5.92	4.80	
16	3.00	3.00	9.70	10.22	14.19	81.12	21.60	18.78	10.22	7.78	5.92	4.80	
17	3.60	3.80	12.04	8.98	14.46	75.80	84.48	18.51	9.96	7.78	5.92	4.80	
18	6.38	4.80	11.52	8.74	13.92	132.00	67.40	17.43	9.96	7.78	5.92	4.60	
19	4.20	6.15	9.22	9.46	13.11	136.50	57.24	17.16	9.96	7.78	5.69	4.40	
20	3.40	6.15	13.11	11.78	12.30	89.10	40.87	16.89	9.70	7.78	5.69	4.20	
21	2.83	4.80	15.00	10.22	13.65	59.58	38.26	16.08	9.70	7.78	5.69	4.20	
22	2.48	5.69	18.51	10.48	13.38	49.10	138.70	15.54	9.70	7.54	5.69	4.00	
23	2.65	4.20	15.27	8.74	13.38	45.71	98.34	15.00	9.70	7.54	5.46	3.80	
24	1.95	5.23	9.96	11.52	12.57	45.71	63.87	14.73	9.46	7.54	5.46	3.80	
25	2.48	6.61	8.98	13.92	13.65	37.89	51.78	14.46	9.46	7.30	5.46	3.80	
26	2.48	6.61	8.74	15.81	13.92	32.84	44.97	14.46	9.46	7.30	5.46	3.80	
27	2.48	12.04	8.98	11.52	15.27	28.32	41.61	13.92	9.46	7.30	5.46	3.60	
28	2.65	12.57	10.74	10.22	16.62	24.60	37.52	13.65	9.46	7.30	5.23	3.60	
29	4.20	17.70	30.57	9.70	19.86	22.80	35.10	13.38	9.22	7.07		3.60	
30	3.80	10.48	35.10	10.22	19.32	22.20	31.87	13.38	9.22	6.84		3.60	
31		15.00		10.48	19.86		30.57		9.22	6.84		3.40	
TOTAL	95.59	181.94	318.65	365.32	424.17	1284.00	1187.12	561.16	329.32	245.55	166.68	141.33	5300.83 CMSDAY
MEAN	3.19	5.87	10.62	11.78	13.68	42.80	38.29	18.71	10.62	7.92	5.95	4.56	14.52 CMS
MAX	6.38	17.70	35.10	27.68	19.86	136.50	138.70	28.00	13.11	8.98	6.61	5.46	138.70 CMS
MIN	1.95	2.48	4.40	8.74	9.96	16.62	14.19	13.38	9.22	6.84	5.23	3.40	1.95 CMS
RUNOFF	8.259	15.720	27.531	31.564	36.648	110.938	102.567	48.484	28.453	21.216	14.401	12.211	457.992 MCM

MOMENTARY PEAK 638.00 CMS, AT 6.25 M (A.D), AT 15.00 HOURS, ON OCT 22, 1985
RUNOFF YIELD 13.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 614.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SALAWIN RIVER BASIN

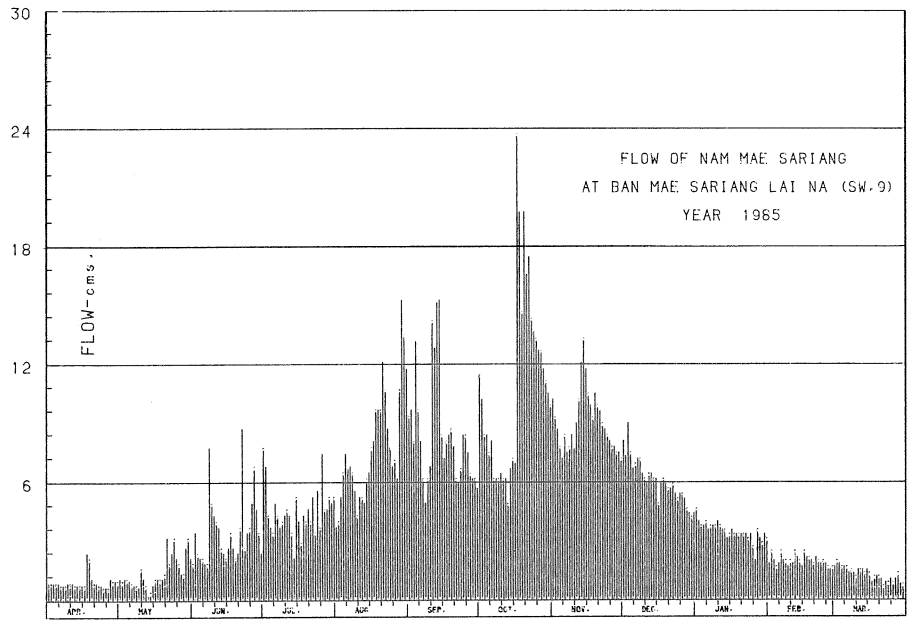
NAM MAE SARIANG AT BAN MAE SARIANG, MAE HONG SON (SW.9)

LOCATION	LAT. 18-09-45 N., LONG. 97-57-20 E., ON RIGHT BANK AT MAE SARIANG,AMPHOE MAE SARIANG, MAE HONG SON.
DRAINAGE AREA	375 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS NORTH-WEST OF THE TOP STAFF GAGE.
ELEVATION	+7.045 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	1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BY SOME SILTING.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 177 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.60	0.63	0.83	0.70	0.88	1.14	1.10	1.03	0.90	0.76	0.75	
2	0.58	0.59	0.69	0.80	0.71	0.89	1.10	1.07	1.01	0.87	0.80	0.77	
3	0.58	0.60	0.65	0.72	0.75	0.84	1.04	1.05	1.06	0.86	0.77	0.76	
4	0.58	0.60	0.64	0.70	0.79	0.99	1.04	1.02	1.01	0.86	0.75	0.75	
5	0.58	0.59	0.64	0.69	0.82	0.89	1.01	1.00	0.98	0.87	0.76	0.75	
6	0.57	0.58	0.63	0.74	0.80	0.84	1.03	1.04	0.99	0.85	0.80	0.75	
7	0.57	0.57	0.63	0.72	0.80	0.78	0.96	1.01	1.00	0.86	0.77	0.73	
8	0.57	0.57	0.83	0.70	0.79	0.74	0.96	1.02	1.00	0.86	0.77	0.74	
9	0.58	0.56	0.74	0.71	0.76	0.78	0.96	1.04	0.97	0.86	0.75	0.73	
10	0.58	0.62	0.72	0.72	0.72	0.80	0.97	1.02	0.96	0.87	0.77	0.72	
11	0.58	0.60	0.71	0.73	0.75	1.02	0.96	1.06	0.95	0.86	0.76	0.74	
12	0.57	0.57	0.70	0.72	0.75	0.98	0.96	1.10	0.97	0.85	0.80	0.74	
13	0.57	0.52	0.66	0.69	0.74	1.05	0.91	1.16	0.97	0.85	0.78	0.74	
14	0.57	0.54	0.65	0.64	0.78	1.05	0.98	1.20	0.96	0.83	0.77	0.73	
15	0.57	0.57	0.64	0.75	0.79	1.04	1.00	1.15	0.96	0.84	0.75	0.74	
16	0.57	0.60	0.66	0.71	0.83	1.00	0.99	1.11	0.91	0.85	0.80	0.73	
17	0.65	0.60	0.69	0.67	0.84	1.03	1.48	1.09	0.95	0.84	0.78	0.70	
18	0.64	0.60	0.66	0.72	0.89	1.04	1.38	1.07	0.96	0.84	0.78	0.72	
19	0.60	0.60	0.64	0.71	0.89	1.05	1.24	1.11	0.95	0.84	0.77	0.72	
20	0.58	0.61	0.65	0.73	0.89	1.02	1.38	1.09	0.94	0.84	0.76	0.72	
21	0.58	0.68	0.70	0.71	0.96	0.96	1.30	1.08	0.94	0.84	0.78	0.71	
22	0.57	0.63	0.86	0.75	0.92	0.95	1.32	1.06	0.95	0.84	0.77	0.68	
23	0.57	0.65	0.66	0.69	0.86	0.98	1.23	1.05	0.93	0.83	0.76	0.70	
24	0.56	0.68	0.69	0.76	0.83	1.04	1.21	1.04	0.92	0.84	0.77	0.70	
25	0.56	0.64	0.70	0.70	0.80	1.04	1.20	1.03	0.93	0.81	0.76	0.71	
26	0.56	0.63	0.74	0.82	0.81	1.01	1.18	1.02	0.93	0.77	0.75	0.70	
27	0.60	0.61	0.80	0.73	0.78	0.97	1.18	1.02	0.92	0.85	0.74	0.71	
28	0.59	0.61	0.73	0.73	0.92	0.96	1.15	1.01	0.90	0.83	0.75	0.73	
29	0.59	0.66	0.69	0.75	1.05	0.96	1.13	1.01	0.89	0.82		0.69	
30	0.59	0.68	0.65	0.74	1.00	0.94	1.11	1.00	0.88	0.84		0.69	
31		0.64		0.75	0.95		1.09		0.89	0.83		0.68	
MEAN	0.58	0.61	0.69	0.73	0.83	0.95	1.12	1.06	0.96	0.85	0.77	0.72	
MAX	0.65	0.68	0.86	0.83	1.05	1.05	1.48	1.20	1.06	0.90	0.80	0.77	1.48
MIN	0.56	0.52	0.63	0.64	0.70	0.74	0.91	1.00	0.88	0.77	0.74	0.68	0.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.15 M (A.D), AT 18.00 HOURS, ON OCT 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 375 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.88	1.10	1.88	7.76	3.70	9.36	11.44	10.20	8.10	4.65	1.86	1.70	
2	0.88	0.99	3.44	6.80	4.01	9.68	10.20	9.30	7.50	4.01	2.50	2.02	
3	0.88	1.10	2.40	4.32	5.25	8.08	8.40	8.70	9.00	3.79	2.02	1.86	
4	0.88	1.10	2.14	3.70	6.49	13.15	8.40	7.80	7.50	3.79	1.70	1.70	
5	0.88	0.99	2.14	3.44	7.44	9.68	7.50	7.20	6.69	4.01	1.86	1.70	
6	0.77	0.88	1.88	4.94	6.80	8.08	8.10	8.40	6.95	3.58	2.50	1.70	
7	0.77	0.77	1.88	4.32	6.80	6.18	6.18	7.50	7.20	3.79	2.02	1.38	
8	0.77	0.77	7.76	3.70	6.49	4.94	6.18	7.80	7.20	3.79	2.02	1.54	
9	0.88	0.66	4.94	4.01	5.56	6.18	6.18	8.40	6.44	3.79	1.70	1.38	
10	0.88	1.62	4.32	4.32	4.32	6.80	6.44	7.80	6.18	4.01	2.02	1.22	
11	0.88	1.10	4.01	4.63	5.25	14.20	6.18	9.00	5.93	3.79	1.86	1.54	
12	0.77	0.77	3.70	4.32	5.25	12.80	6.18	10.20	6.44	3.58	2.50	1.54	
13	0.77	0.22	2.66	3.44	4.94	15.25	4.91	12.06	6.44	3.58	2.18	1.54	
14	0.77	0.44	2.40	2.14	6.18	15.25	6.69	13.30	6.18	3.14	2.02	1.38	
15	0.77	0.77	2.14	5.25	6.49	8.40	7.20	11.75	6.18	3.36	1.70	1.54	
16	0.77	1.10	2.66	4.01	7.76	7.20	6.95	10.51	4.91	3.58	2.50	1.38	
17	2.40	1.10	3.44	2.92	8.08	8.10	23.70	9.90	5.93	3.36	2.18	0.90	
18	2.14	1.10	2.66	4.32	9.68	8.40	19.74	9.30	6.18	3.36	2.18	1.22	
19	1.10	1.10	2.14	4.01	9.68	8.70	14.66	10.51	5.93	3.36	2.02	1.22	
20	0.88	1.36	2.40	4.63	9.68	7.80	19.74	9.90	5.67	3.36	1.86	1.22	
21	0.88	3.18	3.70	4.01	12.10	6.18	16.70	9.60	5.67	3.36	2.18	1.06	
22	0.77	1.88	8.72	5.25	10.70	5.93	17.46	9.00	5.93	3.36	2.02	0.72	
23	0.77	2.40	2.66	3.44	8.72	6.69	14.32	8.70	5.42	3.14	1.86	0.90	
24	0.66	3.18	3.44	5.56	7.76	8.40	13.64	8.40	5.16	3.36	2.02	0.90	
25	0.66	2.14	3.70	3.70	6.80	8.40	13.30	8.10	5.42	2.72	1.86	1.06	
26	0.66	1.88	4.94	7.44	7.12	7.50	12.68	7.80	5.42	2.02	1.70	0.90	
27	1.10	1.36	6.80	4.63	6.18	6.44	12.68	7.80	5.16	3.58	1.54	1.06	
28	0.99	1.36	4.63	4.63	10.70	6.18	11.75	7.50	4.65	3.14	1.70	1.38	
29	0.99	2.66	3.44	5.25	15.25	6.18	11.13	7.50	4.44	2.93		0.81	
30	0.99	3.18	2.40	4.94	13.50	5.67	10.51	7.20	4.22	3.36		0.81	
31		2.14		5.25	11.75		9.90		4.44	3.14		0.72	
TOTAL	28.19	44.40	105.42	141.08	240.43	255.80	339.04	271.13	188.48	107.79	56.08	40.00	1817.84 CMSDAY
MEAN	0.94	1.43	3.51	4.55	7.76	8.53	10.94	9.04	6.08	3.48	2.00	1.29	4.98 CMS
MAX	2.40	3.18	8.72	7.76	15.25	15.25	23.70	13.30	9.00	4.65	2.50	2.02	23.70 CMS
MIN	0.66	0.22	1.88	2.14	3.70	4.94	4.91	7.20	4.22	2.02	1.54	0.72	0.22 CMS
RUNOFF	2.436	3.836	9.108	12.189	20.773	22.101	29.293	23.426	16.285	9.313	4.845	3.456	157.061 MCM

MOMENTARY PEAK 56.25 CMS, AT 2.15 M (A.D), AT 18.00 HOURS, ON OCT 17, 1985

RUNOFF YIELD 13.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 150.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

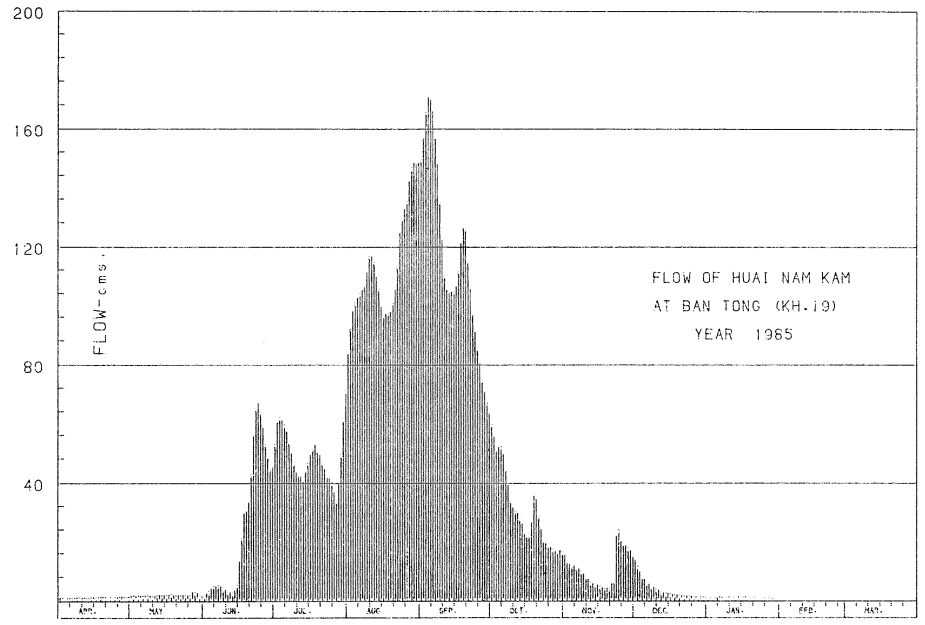
HUAI NAM KAM AT BAN TONG, NAKHON PHANOM (KH.19)

LOCATION	LAT. 16-55-49 N., LONG. 104-41-18 E., ON RIGHT BANK AT THE BRIDGE OF SAKON NAKHON- THAT PHANOM ROAD, BAN TONG, AMPHOE THAT PHANOM,NAKHON PHANOM.
DRAINAGE AREA	3,424 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+130.35 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 100 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+140.078 M.(M.S.L.)
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	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	130.72	130.95	130.98	135.18	136.61	138.54	135.51	132.76	132.59	130.76	130.62	130.63	
2	130.72	130.99	131.19	135.55	136.94	138.72	135.31	132.58	132.38	130.75	130.62	130.63	
3	130.69	130.89	131.40	135.64	137.14	138.94	135.10	132.45	132.20	130.75	130.63	130.63	
4	130.70	130.95	131.55	135.59	137.24	139.07	135.13	132.41	132.05	130.74	130.64	130.63	
5	130.71	130.93	131.67	135.51	137.29	139.07	135.14	132.39	131.94	131.05	130.63	130.63	
6	130.72	130.96	131.67	135.40	137.34	138.95	135.01	132.34	131.84	130.82	130.63	130.63	
7	130.72	130.97	131.72	135.23	137.38	138.74	134.76	132.30	131.76	130.72	130.63	130.63	
8	130.73	130.97	131.66	135.03	137.44	138.50	134.49	132.22	131.68	130.73	130.63	130.64	
9	130.76	130.94	131.57	134.87	137.58	138.18	134.24	132.12	131.61	130.72	130.63	130.64	
10	130.72	130.92	131.45	134.71	137.72	137.86	134.07	132.04	131.53	130.81	130.63	130.64	
11	130.77	130.89	131.37	134.69	137.72	137.54	133.99	131.94	131.43	130.81	130.63	130.65	
12	130.68	131.05	131.27	134.64	137.67	137.38	133.94	131.84	131.31	130.81	130.63	130.65	
13	130.73	131.06	131.27	134.61	137.53	137.37	133.83	131.78	131.24	130.81	130.63	130.65	
14	130.78	131.00	131.42	134.71	137.39	137.36	133.69	131.78	131.22	130.81	130.63	130.65	
15	130.78	131.02	131.75	134.86	137.19	137.36	133.52	131.73	131.21	130.80	130.64	130.92	
16	130.77	131.07	132.54	135.00	137.09	137.42	133.35	131.66	131.15	130.80	130.64	131.36	
17	130.77	131.06	133.34	135.12	137.11	137.59	133.45	131.58	131.06	130.78	130.64	131.44	
18	130.84	131.15	133.93	135.17	137.12	137.83	133.72	131.55	131.02	130.74	130.64	131.43	
19	130.84	131.01	134.05	135.08	137.13	137.98	134.35	131.55	131.01	130.74	130.64	131.41	
20	130.82	130.98	134.20	135.00	137.23	137.93	134.25	131.59	130.98	130.74	130.63	131.39	
21	130.71	131.03	134.68	134.87	137.38	137.68	133.87	131.78	130.91	130.74	130.63	131.39	
22	130.77	130.98	135.32	134.76	137.63	137.39	133.56	131.92	130.87	130.74	130.63	131.39	
23	130.76	131.03	135.79	134.66	137.92	137.12	133.28	133.40	130.89	130.74	130.63	131.38	
24	130.81	131.02	135.88	134.60	138.04	136.90	133.15	133.55	130.85	130.72	130.63	131.38	
25	130.81	130.97	135.73	134.54	138.12	136.69	133.10	133.21	130.85	130.68	130.63	131.38	
26	130.84	131.02	135.46	134.37	138.19	136.48	133.02	133.18	130.82	130.67	130.63	131.27	
27	130.89	131.31	135.18	134.23	138.36	136.26	132.96	133.07	130.81	130.66	130.63	131.26	
28	130.82	131.32	134.94	134.51	138.47	136.07	132.88	133.00	130.81	130.64	130.63	131.17	
29	130.83	131.24	134.78	135.01	138.51	135.88	132.90	132.91	130.81	130.63		131.00	
30	130.85	131.01	134.79	135.56	138.52	135.70	132.93	132.76	130.78	130.63		130.83	
31		130.90		136.09	138.51		132.87		130.77	130.62		130.72	
MEAN	130.77	131.02	133.09	134.99	137.60	137.62	133.92	132.31	131.30	130.75	130.63	130.97	
MAX	130.89	131.32	135.88	136.09	138.52	139.07	135.51	133.55	132.59	131.05	130.64	131.44	139.07
MIN	130.68	130.89	130.98	134.23	136.61	135.70	132.87	131.55	130.77	130.62	130.62	130.63	130.62

ANNUAL MAX MOMENTARY GAGE HEIGHT 139.09 M (MSL), AT 6.00 HOURS, ON SEP 5, 1985
ZERO GAGE AT BOTTOM ELEVATION 130.35 M (MSL), RIVER BED 130.34 M (MSL)
LEFT BANK ELEVATION 142.14 M (MSL)
RIGHT BANK ELEVATION 142.37 M (MSL), DRAINAGE AREA 3424 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.16	1.85	1.94	53.10	83.75	149.60	59.70	15.60	13.90	1.28	0.86	0.89	
2	1.16	1.97	2.57	60.50	92.20	156.80	55.70	13.80	11.80	1.25	0.86	0.89	
3	1.07	1.67	3.50	62.30	98.20	165.60	51.50	12.50	10.00	1.25	0.89	0.89	
4	1.10	1.85	4.30	61.30	101.20	170.80	52.10	12.10	8.50	1.22	0.92	0.89	
5	1.13	1.79	5.02	59.70	102.70	170.80	52.30	11.90	7.40	2.15	0.89	0.89	
6	1.16	1.88	5.02	57.50	104.20	166.00	49.70	11.40	6.40	1.46	0.89	0.89	
7	1.16	1.91	5.36	54.10	105.40	157.60	44.70	11.00	5.68	1.16	0.89	0.89	
8	1.19	1.91	4.96	50.10	107.20	148.00	39.30	10.20	5.08	1.19	0.89	0.92	
9	1.28	1.82	4.42	46.90	111.40	135.20	34.30	9.20	4.66	1.16	0.89	0.92	
10	1.16	1.76	3.75	43.70	116.80	122.40	31.63	8.40	4.18	1.43	0.89	0.92	
11	1.31	1.67	3.35	43.30	116.80	110.20	30.48	7.40	3.65	1.43	0.89	0.95	
12	1.04	2.15	2.88	42.30	114.80	105.40	29.76	6.40	3.05	1.43	0.89	0.95	
13	1.19	2.18	2.88	41.70	109.90	105.10	28.18	5.84	2.76	1.43	0.89	0.95	
14	1.34	2.00	3.60	43.70	105.70	104.80	26.17	5.84	2.68	1.43	0.89	0.95	
15	1.34	2.06	5.60	46.70	99.70	104.80	23.73	5.44	2.64	1.40	0.92	0.95	
16	1.31	2.21	13.40	49.50	96.70	106.60	21.50	4.96	2.45	1.40	0.92	0.95	
17	1.31	2.18	21.40	51.90	97.30	111.70	22.72	4.48	2.18	1.34	0.92	0.95	
18	1.52	2.45	29.62	52.90	97.60	121.20	26.60	4.30	2.06	1.22	0.92	0.95	
19	1.52	2.03	31.34	51.10	97.90	127.20	36.50	4.30	2.03	1.22	0.92	0.95	
20	1.46	1.94	33.50	49.50	100.90	125.20	34.50	4.54	1.94	1.22	0.89	0.95	
21	1.13	2.09	43.10	46.90	105.40	115.20	28.76	5.84	1.73	1.22	0.89	0.95	
22	1.31	1.94	55.90	44.70	113.20	105.70	24.30	7.20	1.61	1.22	0.89	0.95	
23	1.28	2.09	65.30	42.70	124.80	97.60	20.80	22.00	1.67	1.22	0.89	0.95	
24	1.43	2.06	67.10	41.50	129.60	91.00	19.50	24.16	1.55	1.16	0.89	0.95	
25	1.43	1.91	64.10	40.30	132.80	85.75	19.00	20.10	1.55	1.04	0.89	0.95	
26	1.52	2.06	58.70	36.90	135.60	80.50	18.20	19.80	1.46	1.01	0.89	0.95	
27	1.67	3.05	53.10	34.10	142.40	75.00	17.60	18.70	1.43	0.98	0.89	0.95	
28	1.46	3.10	48.30	39.70	146.80	70.90	16.80	18.00	1.43	0.92	0.89	0.95	
29	1.49	2.76	45.10	49.70	148.40	67.10	17.00	17.10	1.43	0.89		0.95	
30	1.55	2.03	45.30	60.70	148.80	63.50	17.30	15.60	1.34	0.89		0.95	
31		1.70		71.30	148.40		16.70		1.31	0.86		0.95	
TOTAL	39.18	64.07	734.41	1530.30	3536.55	3517.25	967.03	338.10	119.55	38.48	25.04	28.94	10938.90 CMSDAY
MEAN	1.31	2.07	24.48	49.36	114.08	117.24	31.19	11.27	3.86	1.24	0.89	0.93	29.97 CMS
MAX	1.67	3.10	67.10	71.30	148.80	170.80	59.70	24.16	13.90	2.15	0.92	0.95	170.80 CMS
MIN	1.04	1.67	1.94	34.10	83.75	63.50	16.70	4.30	1.31	0.86	0.86	0.89	0.86 CMS
RUNOFF	3.385	5.536	63.453	132.218	305.558	303.890	83.551	29.212	10.329	3.325	2.163	2.500	945.121 MCM

MOMENTARY PEAK 171.60 CMS, AT 139.09 M (MSL), AT 6.00 HOURS, ON SEP 5, 1985

RUNOFF YIELD 8.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 50.12 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

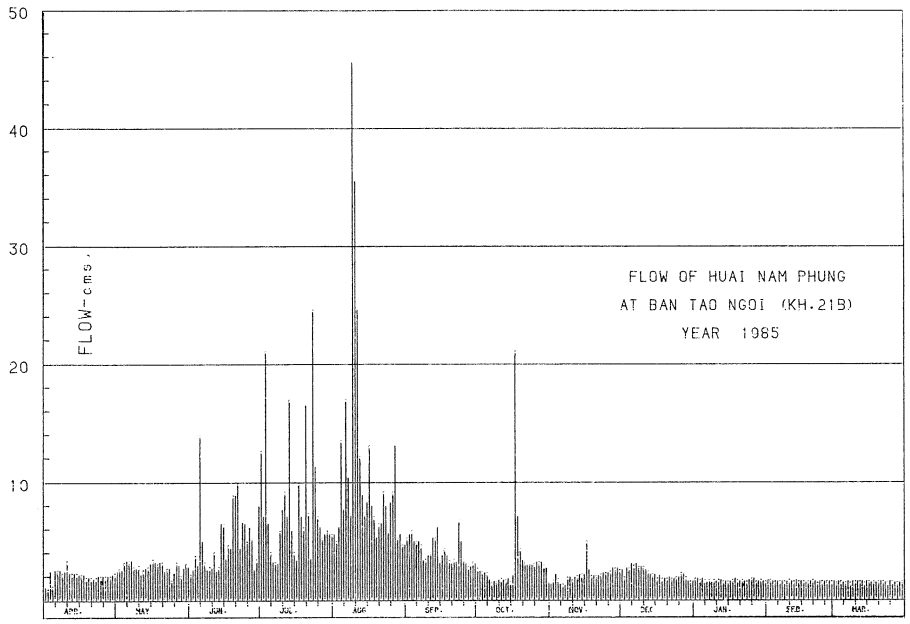
NAM PHUNG AT BAN TAO NGOI, SAKON NAKHON (KH.21B)

LOCATION	LAT. 16-59-39 N., LONG. 104-10-39 E., ON LEFT BANK ABOUT 2.7 KILOMETERS DOWNSTREAM FROM KH.21A, BAN TAO NGOI, AMPHOE MUANG, SAKON NAKHON.
DRAINAGE AREA	641 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+170.60 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENTS OF THE BRIDGE.
ELEVATION	+179.69 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 145 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	171.21	171.32	171.30	171.67	171.47	171.46	171.34	171.23	171.33	171.27	171.26	171.25	
2	171.20	171.34	171.33	171.52	171.45	171.47	171.32	171.26	171.28	171.27	171.26	171.24	
3	171.32	171.33	171.41	171.83	171.49	171.48	171.32	171.30	171.34	171.26	171.25	171.25	
4	171.22	171.38	171.36	171.50	171.69	171.45	171.31	171.27	171.34	171.27	171.25	171.25	
5	171.33	171.39	171.70	171.42	171.54	171.45	171.31	171.23	171.37	171.26	171.25	171.24	
6	171.33	171.39	171.45	171.38	171.76	171.45	171.26	171.23	171.36	171.24	171.25	171.24	
7	171.33	171.39	171.38	171.38	171.62	171.44	171.24	171.22	171.37	171.26	171.25	171.25	
8	171.31	171.35	171.33	171.37	171.53	171.39	171.25	171.28	171.35	171.24	171.25	171.24	
9	171.32	171.34	171.35	171.48	172.14	171.40	171.25	171.28	171.35	171.26	171.25	171.25	
10	171.39	171.36	171.34	171.54	172.03	171.41	171.26	171.26	171.35	171.25	171.26	171.25	
11	171.31	171.30	171.42	171.59	171.88	171.42	171.27	171.28	171.33	171.26	171.25	171.25	
12	171.31	171.33	171.32	171.52	171.66	171.46	171.26	171.29	171.32	171.26	171.25	171.25	
13	171.31	171.34	171.35	171.76	171.58	171.46	171.26	171.30	171.30	171.25	171.26	171.25	
14	171.31	171.35	171.50	171.48	171.53	171.49	171.27	171.30	171.30	171.25	171.25	171.24	
15	171.30	171.37	171.50	171.42	171.56	171.39	171.25	171.30	171.30	171.25	171.25	171.25	
16	171.30	171.40	171.40	171.39	171.68	171.41	171.29	171.45	171.27	171.25	171.25	171.25	
17	171.30	171.38	171.44	171.61	171.55	171.43	171.83	171.33	171.29	171.26	171.24	171.24	
18	171.28	171.37	171.43	171.52	171.52	171.41	171.52	171.29	171.27	171.27	171.25	171.25	
19	171.28	171.38	171.58	171.49	171.46	171.39	171.43	171.29	171.27	171.26	171.25	171.24	
20	171.28	171.38	171.58	171.75	171.50	171.37	171.39	171.29	171.27	171.25	171.26	171.25	
21	171.27	171.32	171.61	171.53	171.50	171.40	171.38	171.29	171.28	171.26	171.25	171.25	
22	171.28	171.34	171.43	171.40	171.59	171.38	171.36	171.30	171.27	171.25	171.24	171.25	
23	171.29	171.34	171.51	171.88	171.55	171.51	171.38	171.31	171.27	171.25	171.25	171.24	
24	171.29	171.26	171.50	171.64	171.48	171.45	171.36	171.31	171.28	171.26	171.25	171.24	
25	171.29	171.31	171.45	171.52	171.56	171.40	171.37	171.31	171.28	171.27	171.25	171.25	
26	171.29	171.38	171.49	171.49	171.59	171.37	171.38	171.32	171.31	171.27	171.25	171.25	
27	171.29	171.36	171.46	171.46	171.68	171.35	171.38	171.34	171.30	171.25	171.25	171.24	
28	171.29	171.29	171.33	171.47	171.46	171.35	171.38	171.34	171.28	171.25	171.25	171.24	
29	171.30	171.34	171.40	171.48	171.47	171.38	171.36	171.34	171.25	171.26		171.24	
30	171.31	171.37	171.55	171.47	171.44	171.37	171.34	171.33	171.25	171.25		171.25	
31		171.35		171.47	171.44		171.26		171.25	171.25		171.25	
MEAN	171.29	171.35	171.44	171.53	171.59	171.42	171.34	171.30	171.30	171.26	171.25	171.25	
MAX	171.39	171.40	171.70	171.88	172.14	171.51	171.83	171.45	171.37	171.27	171.26	171.25	172.14
MIN	171.20	171.26	171.30	171.37	171.44	171.35	171.24	171.22	171.25	171.24	171.24	171.24	171.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 172.57 M (MSL), AT 4.00 HOURS, ON AUG 9, 1985
ZERO GAGE AT BOTTOM ELEVATION 170.60 M (MSL), RIVER BED 170.39 M (MSL)
LEFT BANK ELEVATION 178.40 M (MSL)
RIGHT BANK ELEVATION 178.39 M (MSL), DRAINAGE AREA 641 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.12	2.46	2.20	12.65	5.60	5.30	2.72	1.36	2.59	1.84	1.72	1.60	
2	1.00	2.72	2.59	7.10	5.00	5.60	2.46	1.72	1.96	1.84	1.72	1.48	
3	2.46	2.59	3.80	21.10	6.20	5.90	2.46	2.20	2.72	1.72	1.60	1.60	
4	1.24	3.24	2.98	6.50	13.55	5.00	2.33	1.84	2.72	1.84	1.60	1.60	
5	2.59	3.37	14.00	4.10	7.70	5.00	2.33	1.36	3.11	1.72	1.60	1.48	
6	2.59	3.37	5.00	3.24	17.00	5.00	1.72	1.36	2.98	1.48	1.60	1.48	
7	2.59	3.37	3.24	3.24	10.40	4.70	1.48	1.24	3.11	1.72	1.60	1.60	
8	2.33	2.85	2.59	3.11	7.40	3.37	1.60	1.96	2.85	1.48	1.60	1.48	
9	2.46	2.72	2.85	5.90	45.60	3.50	1.60	1.96	2.85	1.72	1.60	1.60	
10	3.37	2.98	2.72	7.70	35.70	3.80	1.72	1.72	2.85	1.60	1.72	1.60	
11	2.33	2.20	4.10	9.20	24.60	4.10	1.84	1.96	2.59	1.72	1.60	1.60	
12	2.33	2.59	2.46	7.10	12.20	5.30	1.72	2.08	2.46	1.72	1.60	1.60	
13	2.33	2.72	2.85	17.00	8.90	5.30	1.72	2.20	2.20	1.60	1.72	1.60	
14	2.33	2.85	6.50	5.90	7.40	6.20	1.84	2.20	2.20	1.60	1.60	1.48	
15	2.20	3.11	6.50	4.10	8.30	3.37	1.60	2.20	2.20	1.60	1.60	1.60	
16	2.20	3.50	3.50	3.37	13.10	3.80	2.08	5.00	1.84	1.60	1.60	1.60	
17	2.20	3.24	4.70	9.95	8.00	4.40	21.10	2.59	2.08	1.72	1.48	1.48	
18	1.96	3.11	4.40	7.10	7.10	3.80	7.10	2.08	1.84	1.84	1.60	1.60	
19	1.96	3.24	8.90	6.20	5.30	3.37	4.40	2.08	1.84	1.72	1.60	1.48	
20	1.96	3.24	8.90	16.50	6.50	3.11	3.37	2.08	1.84	1.60	1.72	1.60	
21	1.84	2.46	9.95	7.40	6.50	3.50	3.24	2.08	1.96	1.72	1.60	1.60	
22	1.96	2.72	4.40	3.50	9.20	3.24	2.98	2.20	1.84	1.60	1.48	1.60	
23	2.08	2.72	6.80	24.60	8.00	6.80	3.24	2.33	1.84	1.60	1.60	1.48	
24	2.08	1.72	6.50	11.30	5.90	5.00	2.98	2.33	1.96	1.72	1.60	1.48	
25	2.08	2.33	5.00	7.10	8.30	3.50	3.11	2.33	1.96	1.84	1.60	1.60	
26	2.08	3.24	6.20	6.20	9.20	3.11	3.24	2.46	2.33	1.84	1.60	1.60	
27	2.08	2.98	5.30	5.30	13.10	2.85	3.24	2.72	2.20	1.60	1.60	1.48	
28	2.08	2.08	2.59	5.60	5.30	2.85	3.24	2.72	1.96	1.60	1.60	1.48	
29	2.20	2.72	3.50	5.90	5.60	3.24	2.98	2.72	1.60	1.72		1.48	
30	2.33	3.11	8.00	5.60	4.70	3.11	2.72	2.59	1.60	1.60		1.60	
31		2.85		5.60	4.70		1.72		1.60	1.60		1.60	
TOTAL	64.36	88.40	153.02	249.16	336.05	127.12	99.88	65.67	69.68	52.12	45.16	48.16	1398.78 CMSDAY
MEAN	2.15	2.85	5.10	8.04	10.84	4.24	3.22	2.19	2.25	1.68	1.61	1.55	3.83 CMS
MAX	3.37	3.50	14.00	24.60	45.60	6.80	21.10	5.00	3.11	1.84	1.72	1.60	45.60 CMS
MIN	1.00	1.72	2.20	3.11	4.70	2.85	1.48	1.24	1.60	1.48	1.48	1.48	1.00 CMS
RUNOFF	5.561	7.638	13.221	21.527	29.035	10.983	8.630	5.674	6.020	4.503	3.902	4.161	120.855 MCM

MOMENTARY PEAK 89.70 CMS, AT 172.57 M (MSL), AT 4.00 HOURS, ON AUG 9, 1985

RUNOFF YIELD 5.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 139.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

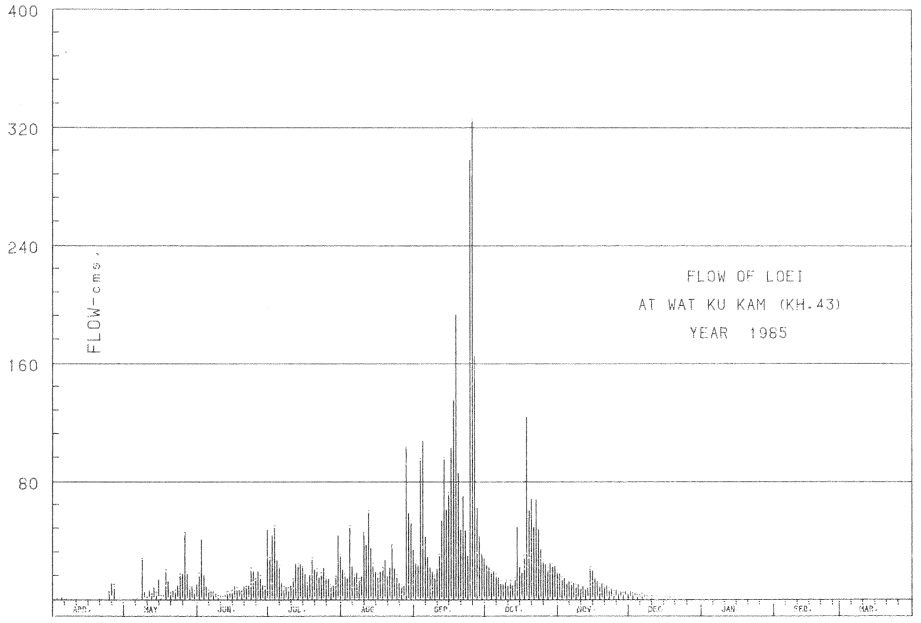
LOEI RIVER AT WAT KU KAM, LOEI (KH.43)

LOCATION	LAT. 17-14-15 N., LONG. 101-41-31 E., ON LEFT BANK DOWNSTREAM FROM WAT KU KAM AT BAN SAI KHAO, AMPHOE WANG SAPHUNG, LOEI.
DRAINAGE AREA	991 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+10.667 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	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 - 1973, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 - 1973, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 151 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	0.61	1.31	1.64	1.38	1.58	1.55	1.29	0.87	0.67	0.59	0.55	
2	0.55	0.60	1.90	1.95	1.29	1.47	1.43	1.22	0.86	0.66	0.59	0.57	
3	0.55	0.60	1.30	2.07	1.18	2.82	1.36	1.18	0.84	0.66	0.59	0.55	
4	0.77	0.57	1.00	1.59	2.07	2.97	1.34	1.13	0.82	0.66	0.59	0.55	
5	0.66	0.71	0.92	1.48	1.45	1.96	1.29	1.11	0.81	0.65	0.58	0.54	
6	0.60	0.54	0.88	1.07	1.26	1.65	1.20	1.09	0.84	0.65	0.58	0.53	
7	0.58	0.55	0.88	1.00	1.31	1.49	1.14	1.07	0.80	0.64	0.58	0.53	
8	0.56	1.68	0.83	0.98	1.19	1.33	1.04	1.05	0.78	0.64	0.58	0.53	
9	0.55	0.86	0.79	0.97	1.22	1.26	1.15	1.04	0.78	0.63	0.58	0.53	
10	0.54	0.72	0.77	1.01	1.99	1.40	1.00	1.03	0.77	0.63	0.57	0.53	
11	0.54	0.90	0.75	1.18	1.84	1.70	1.14	1.00	0.76	0.63	0.57	0.53	
12	0.54	0.84	0.80	1.51	2.25	2.13	1.01	1.01	0.75	0.62	0.57	0.53	
13	0.54	0.97	0.89	1.52	1.80	2.83	1.20	0.96	0.74	0.62	0.57	0.53	
14	0.55	0.87	0.83	1.50	1.53	2.26	2.05	1.44	0.73	0.62	0.56	0.52	
15	0.55	1.15	0.92	1.51	1.32	2.47	1.51	1.35	0.73	0.62	0.56	0.52	
16	0.53	0.80	1.00	1.28	1.28	2.91	1.30	1.25	0.72	0.62	0.56	0.51	
17	0.59	0.79	0.98	1.08	1.33	3.33	1.68	1.11	0.71	0.62	0.55	0.51	
18	0.57	1.38	0.91	1.25	1.43	3.99	3.17	1.07	0.71	0.61	0.54	0.51	
19	0.57	1.11	0.90	1.64	1.59	2.72	2.28	1.06	0.70	0.61	0.54	0.51	
20	0.57	0.86	0.99	1.38	1.28	2.02	2.39	1.03	0.70	0.61	0.54	0.51	
21	0.56	0.89	1.01	1.41	1.42	2.46	2.09	1.01	0.70	0.61	0.53	0.49	
22	0.54	0.92	1.01	1.20	1.84	2.01	2.38	0.98	0.70	0.61	0.53	0.49	
23	0.53	1.02	1.43	1.32	1.40	1.72	2.05	0.93	0.69	0.61	0.53	0.49	
24	0.92	1.29	1.34	1.42	1.27	4.90	1.78	0.91	0.69	0.60	0.53	0.49	
25	1.06	1.28	1.18	1.23	1.07	5.13	1.60	0.91	0.68	0.60	0.53	0.48	
26	1.05	1.99	1.34	1.17	1.04	3.69	1.50	0.89	0.68	0.60	0.54	0.48	
27	0.71	1.28	1.25	1.05	1.00	2.31	1.42	0.87	0.68	0.60	0.54	0.48	
28	0.68	1.00	1.02	1.01	2.92	1.94	1.52	0.87	0.68	0.59	0.55	0.48	
29	0.64	0.99	1.01	1.24	2.22	1.74	1.51	0.87	0.67	0.59		0.48	
30	0.62	0.91	2.02	1.95	2.13	1.62	1.46	0.90	0.67	0.59		0.48	
31		1.04		1.69	1.77		1.36		0.67	0.59		0.48	
MEAN	0.63	0.96	1.07	1.36	1.55	2.39	1.58	1.05	0.74	0.62	0.56	0.51	
MAX	1.06	1.99	2.02	2.07	2.92	5.13	3.17	1.44	0.87	0.67	0.59	0.57	5.13
MIN	0.53	0.54	0.75	0.97	1.00	1.26	1.00	0.87	0.67	0.59	0.53	0.48	0.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.89 M (A.D), AT 18.00 HOURS, ON SEP 25, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.36 M (A.D)
LEFT BANK ELEVATION 9.95 M (A.D)
RIGHT BANK ELEVATION 10.23 M (A.D), DRAINAGE AREA 991 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.74	0.87	18.30	28.60	20.40	26.40	25.50	17.70	5.10	1.29	0.78	0.70	
2	0.70	0.80	40.63	43.44	17.70	23.10	21.90	15.60	4.80	1.22	0.78	0.74	
3	0.70	0.80	18.00	50.19	14.40	95.60	19.80	14.40	4.20	1.22	0.78	0.70	
4	2.55	0.74	9.00	26.70	50.19	107.60	19.20	12.90	3.60	1.22	0.78	0.70	
5	1.22	1.65	6.60	23.40	22.50	44.00	17.70	12.30	3.30	1.15	0.76	0.68	
6	0.80	0.68	5.40	11.10	16.80	29.00	15.00	11.70	4.20	1.15	0.76	0.66	
7	0.76	0.70	5.40	9.00	18.30	23.70	13.20	11.10	3.00	1.08	0.76	0.66	
8	0.72	30.20	3.90	8.40	14.70	18.90	10.20	10.50	2.70	1.08	0.76	0.66	
9	0.70	4.80	2.85	8.10	15.60	16.80	13.50	10.20	2.70	1.01	0.76	0.66	
10	0.68	1.80	2.55	9.30	45.69	21.00	9.00	9.90	2.55	1.01	0.74	0.66	
11	0.68	6.00	2.25	14.40	37.25	31.00	13.20	9.00	2.40	1.01	0.74	0.66	
12	0.68	4.20	3.00	24.30	60.31	53.56	9.30	9.30	2.25	0.94	0.74	0.66	
13	0.68	8.10	5.70	24.60	35.00	96.40	15.00	7.80	2.10	0.94	0.74	0.66	
14	0.70	5.10	3.90	24.00	24.90	60.88	49.06	22.20	1.95	0.94	0.72	0.64	
15	0.70	13.50	6.60	24.30	18.60	72.69	24.30	19.50	1.95	0.94	0.72	0.64	
16	0.66	3.00	9.00	17.40	17.40	102.80	18.00	16.50	1.80	0.94	0.72	0.62	
17	0.78	2.85	8.40	11.40	18.90	136.40	30.20	12.30	1.65	0.94	0.70	0.62	
18	0.74	20.40	6.30	16.50	21.90	193.00	123.60	11.10	1.65	0.87	0.68	0.62	
19	0.74	12.30	6.00	28.60	26.70	87.60	62.00	10.80	1.50	0.87	0.68	0.62	
20	0.74	4.80	8.70	20.40	17.40	47.38	68.19	9.90	1.50	0.87	0.68	0.62	
21	0.72	5.70	9.30	21.30	21.60	72.13	51.31	9.30	1.50	0.87	0.66	0.54	
22	0.68	6.60	9.30	15.00	37.25	46.81	67.63	8.40	1.50	0.87	0.66	0.54	
23	0.66	9.60	21.90	18.60	21.00	31.80	49.06	6.90	1.43	0.87	0.66	0.54	
24	6.60	17.70	19.20	21.60	17.10	298.00	34.20	6.30	1.43	0.80	0.66	0.54	
25	10.80	17.40	14.40	15.90	11.10	325.60	27.00	6.30	1.36	0.80	0.66	0.48	
26	10.50	45.69	19.20	14.10	10.20	165.20	24.00	5.70	1.36	0.80	0.68	0.48	
27	1.65	17.40	16.50	10.50	9.00	63.69	21.60	5.10	1.36	0.80	0.68	0.48	
28	1.36	9.00	9.60	9.30	103.60	42.88	24.60	5.10	1.36	0.78	0.70	0.48	
29	1.08	8.70	9.30	16.20	58.63	32.60	24.30	5.10	1.29	0.78		0.48	
30	0.94	6.30	47.38	43.44	53.56	27.80	22.80	6.00	1.29	0.78		0.48	
31		10.20		30.60	33.80		19.80		1.29	0.78		0.48	
TOTAL	51.66	277.58	348.56	640.67	891.48	2394.32	944.15	318.90	70.07	29.62	20.14	18.70	6005.85 CMSDAY
MEAN	1.72	8.95	11.62	20.67	28.76	79.81	30.46	10.63	2.26	0.96	0.72	0.60	16.45 CMS
MAX	10.80	45.69	47.38	50.19	103.60	325.60	123.60	22.20	5.10	1.29	0.78	0.74	325.60 CMS
MIN	0.66	0.68	2.25	8.10	9.00	16.80	9.00	5.10	1.29	0.78	0.66	0.48	0.48 CMS
RUNOFF	4.463	23.983	30.116	55.354	77.024	206.869	81.575	27.553	6.054	2.559	1.740	1.616	518.905 MCM

MOMENTARY PEAK 431.50 CMS, AT 5.89 M (A.D), AT 18.00 HOURS, ON SEP 25, 1985

RUNOFF YIELD 16.60 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 435.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

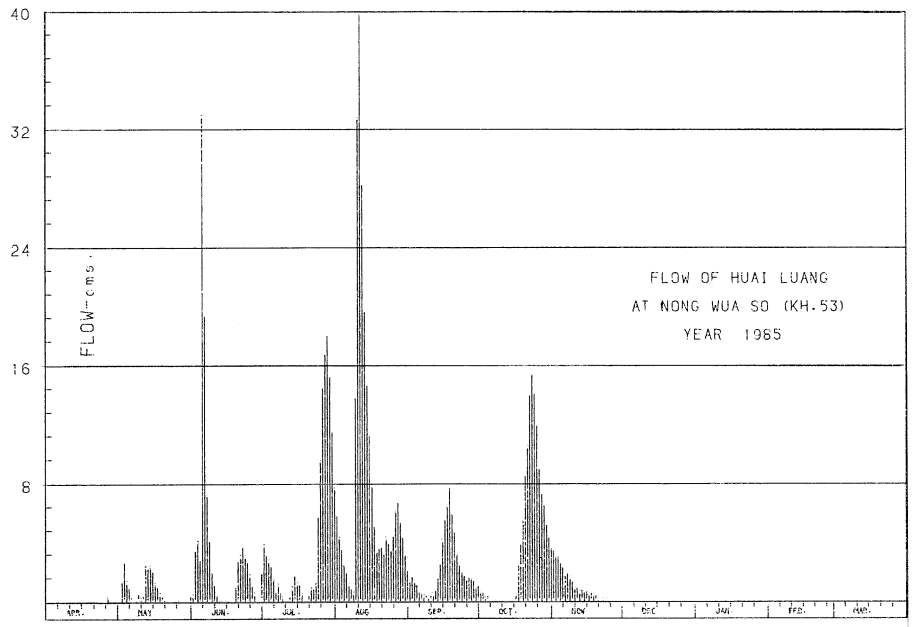
HUAI LUANG AT NONG WUA SO, UDON THANI (KH.53)

LOCATION	LAT. 17-15-53 N., LONG. 102-35-48 E., ON LEFT BANK AT THE BRIDGE OF UDON THANI-LOEI HIGHWAY, AMPHOE NONG WUA SO, UDON THANI.
DRAINAGE AREA	436 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+201.314 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+208.00 M.(M.S.L.)
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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 81 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	202.23	202.19	202.37	202.84	203.04	202.51	202.41	202.78	202.22	202.16	202.76	202.56	
2	202.23	202.51	202.78	202.74	202.90	202.54	202.38	202.75	202.22	202.16	202.74	202.55	
3	202.23	202.68	202.87	202.71	202.79	202.52	202.34	202.73	202.21	202.15	202.75	202.53	
4	202.23	202.51	202.70	202.64	202.68	202.46	202.33	202.70	202.21	202.15	202.76	202.53	
5	202.23	202.43	204.83	202.53	202.58	202.43	202.31	202.63	202.21	202.15	202.74	202.52	
6	202.22	202.32	204.13	202.38	202.48	202.37	202.30	202.58	202.21	202.15	202.72	202.53	
7	202.19	202.29	203.19	202.48	202.42	202.36	202.29	202.57	202.20	202.15	202.71	202.54	
8	202.19	202.32	202.86	202.38	202.40	202.34	202.26	202.55	202.19	202.15	202.69	202.54	
9	202.17	202.36	202.61	202.34	203.74	202.35	202.24	202.49	202.18	202.15	202.68	202.55	
10	202.15	202.33	202.46	202.24	204.82	202.34	202.23	202.45	202.17	202.15	202.67	202.55	
11	202.13	202.34	202.39	202.24	205.19	202.39	202.23	202.43	202.17	202.15	202.66	202.55	
12	202.13	202.65	202.29	202.32	204.60	202.40	202.23	202.41	202.17	202.15	202.65	202.55	
13	202.13	202.62	202.24	202.45	204.15	202.56	202.22	202.41	202.17	202.15	202.64	202.53	
14	202.12	202.66	202.25	202.55	203.82	202.66	202.24	202.41	202.17	202.18	202.62	202.51	
15	202.11	202.59	202.26	202.49	203.54	202.88	202.24	202.39	202.18	202.49	202.61	202.50	
16	202.11	202.49	202.24	202.46	203.25	203.01	202.33	202.39	202.18	202.38	202.61	202.49	
17	202.11	202.44	202.24	202.38	202.97	203.12	202.69	202.37	202.18	202.15	202.62	202.49	
18	202.09	202.39	202.29	202.28	202.79	203.23	202.83	202.37	202.18	202.15	202.62	202.48	
19	202.08	202.33	202.47	202.28	202.80	203.07	203.03	202.34	202.18	202.15	202.51	202.48	
20	202.08	202.24	202.69	202.34	202.84	202.93	203.30	202.32	202.18	202.15	202.51	202.48	
21	202.09	202.24	202.75	202.44	202.75	202.77	203.49	202.30	202.18	202.36	202.50	202.48	
22	202.09	202.21	202.81	202.42	202.90	202.65	203.75	202.31	202.17	202.50	202.49	202.48	
23	202.09	202.19	202.75	202.48	202.84	202.60	203.87	202.31	202.17	202.58	202.49	202.49	
24	202.09	202.21	202.68	203.03	202.81	202.55	203.76	202.31	202.17	202.65	202.55	202.49	
25	202.12	202.25	202.57	203.40	202.90	202.54	203.61	202.29	202.16	202.69	202.52	202.48	
26	202.35	202.24	202.45	203.79	203.08	202.53	203.34	202.27	202.16	202.73	202.54	202.48	
27	202.21	202.21	202.39	203.97	203.13	202.55	203.21	202.27	202.16	202.77	202.56	202.48	
28	202.26	202.17	202.26	204.04	203.01	202.50	203.11	202.26	202.16	202.80	202.57	202.48	
29	202.21	202.18	202.29	203.86	202.89	202.46	203.00	202.25	202.16	202.80		202.48	
30	202.18	202.21	202.57	203.56	202.76	202.45	202.89	202.23	202.16	202.81		202.48	
31		202.33		203.23	202.60		202.82		202.16	202.80		202.47	
MEAN	202.16	202.36	202.66	202.75	203.14	202.60	202.75	202.43	202.18	202.36	202.62	202.51	
MAX	202.35	202.68	204.83	204.04	205.19	203.23	203.87	202.78	202.22	202.81	202.76	202.56	205.19
MIN	202.08	202.17	202.24	202.24	202.40	202.34	202.22	202.23	202.16	202.15	202.49	202.47	202.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 205.99 M (MSL), AT 18.00 HOURS, ON JUN 5, 1985
ZERO GAGE AT BOTTOM ELEVATION 201.31 M (MSL), RIVER BED 201.91 M (MSL)
LEFT BANK ELEVATION 207.81 M (MSL)
RIGHT BANK ELEVATION 207.80 M (MSL), DRAINAGE AREA 436 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.05	0.55	3.92	5.80	1.47	0.77	3.44	0.08	0.04	0.04	0.04	
2	0.09	1.47	3.44	3.12	4.40	1.68	0.60	3.20	0.08	0.04	0.04	0.04	
3	0.09	2.66	4.16	2.88	3.52	1.54	0.40	3.04	0.06	0.03	0.04	0.04	
4	0.09	1.47	2.80	2.38	2.66	1.12	0.35	2.80	0.06	0.03	0.04	0.04	
5	0.09	0.91	33.00	1.61	1.96	0.91	0.25	2.31	0.06	0.03	0.04	0.04	
6	0.08	0.30	19.35	0.60	1.26	0.55	0.20	1.96	0.06	0.03	0.04	0.04	
7	0.05	0.18	7.30	1.26	0.84	0.50	0.18	1.89	0.05	0.03	0.04	0.04	
8	0.05	0.30	4.08	0.60	0.70	0.40	0.14	1.75	0.05	0.03	0.04	0.04	
9	0.04	0.50	2.17	0.40	13.82	0.45	0.11	1.33	0.04	0.03	0.04	0.04	
10	0.03	0.35	1.12	0.11	32.80	0.40	0.09	1.05	0.04	0.03	0.04	0.04	
11	0.03	0.40	0.65	0.11	41.36	0.65	0.09	0.91	0.04	0.03	0.04	0.04	
12	0.03	2.45	0.18	0.30	28.40	0.70	0.09	0.77	0.04	0.03	0.04	0.04	
13	0.03	2.24	0.11	1.05	19.65	1.82	0.08	0.77	0.04	0.03	0.04	0.04	
14	0.03	2.52	0.13	1.75	14.86	2.52	0.11	0.77	0.04	0.04	0.04	0.04	
15	0.02	2.03	0.14	1.33	11.22	4.24	0.11	0.65	0.04	0.04	0.04	0.04	
16	0.02	1.33	0.11	1.12	7.95	5.50	0.35	0.65	0.04	0.04	0.04	0.04	
17	0.02	0.98	0.11	0.60	5.10	6.60	2.73	0.55	0.04	0.04	0.04	0.04	
18	0.02	0.65	0.18	0.17	3.52	7.73	3.84	0.55	0.04	0.04	0.04	0.04	
19	0.02	0.35	1.19	0.17	3.60	6.10	5.70	0.40	0.04	0.04	0.04	0.04	
20	0.02	0.11	2.73	0.40	3.92	4.70	8.50	0.30	0.04	0.04	0.04	0.04	
21	0.02	0.11	3.20	0.98	3.20	3.36	10.59	0.20	0.04	0.04	0.04	0.04	
22	0.02	0.06	3.68	0.84	4.40	2.45	13.95	0.25	0.04	0.04	0.04	0.04	
23	0.02	0.05	3.20	1.26	3.92	2.10	15.51	0.25	0.04	0.04	0.04	0.04	
24	0.02	0.06	2.66	5.70	3.68	1.75	14.08	0.25	0.04	0.04	0.04	0.04	
25	0.03	0.13	1.89	9.60	4.40	1.68	12.13	0.18	0.04	0.04	0.04	0.04	
26	0.45	0.11	1.05	14.47	6.20	1.61	8.94	0.16	0.04	0.04	0.04	0.04	
27	0.06	0.06	0.65	16.95	6.70	1.75	7.51	0.16	0.04	0.04	0.04	0.04	
28	0.14	0.04	0.14	18.00	5.50	1.40	6.50	0.14	0.04	0.04	0.04	0.04	
29	0.06	0.04	0.18	15.38	4.32	1.12	5.40	0.13	0.04	0.04		0.04	
30	0.04	0.06	1.89	11.48	3.28	1.05	4.32	0.09	0.04	0.04		0.04	
31		0.35		7.73	2.10		3.76		0.04	0.04		0.04	
TOTAL	1.80	22.32	102.04	126.27	255.04	67.85	127.38	30.90	1.42	1.13	1.12	1.24	738.51 CMSDAY
MEAN	0.06	0.72	3.40	4.07	8.23	2.26	4.11	1.03	0.05	0.04	0.04	0.04	2.02 CMS
MAX	0.45	2.66	33.00	18.00	41.36	7.73	15.51	3.44	0.08	0.04	0.04	0.04	41.36 CMS
MIN	0.02	0.04	0.11	0.11	0.70	0.40	0.08	0.09	0.04	0.03	0.04	0.04	0.02 CMS
RUNOFF	0.156	1.928	8.816	10.910	22.035	5.862	11.006	2.670	0.123	0.098	0.097	0.107	63.807 MCM

MOMENTARY PEAK 63.70 CMS, AT 205.99 M (MSL), AT 18.00 HOURS, ON JUN 5, 1985

RUNOFF YIELD 4.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 146.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

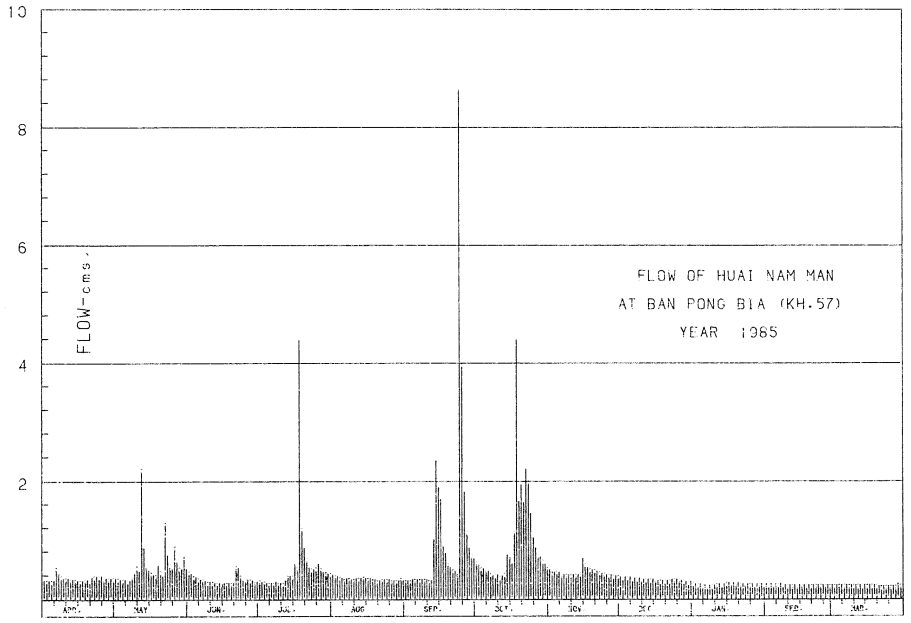
HUAI NAM MAN AT BAN PONG BIA, LOEI (KH.57)

LOCATION	LAT. 17-30-13 N., LONG. 101-37-35 E., ON LEFT BANK AT BAN PONG BIA, TAMBON NAM MAN, AMPHOE MUANG, LOEI.
DRAINAGE AREA	79 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+12.895 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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 145 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.36	0.38	0.44	0.36	0.41	0.36	0.51	0.45	0.39	0.34	0.33	0.32	
2	0.36	0.38	0.42	0.35	0.40	0.36	0.49	0.43	0.39	0.33	0.33	0.32	
3	0.36	0.37	0.40	0.35	0.40	0.36	0.47	0.43	0.39	0.33	0.33	0.32	
4	0.36	0.37	0.39	0.34	0.39	0.37	0.46	0.44	0.39	0.33	0.33	0.32	
5	0.36	0.37	0.38	0.34	0.38	0.37	0.45	0.43	0.39	0.32	0.33	0.32	
6	0.47	0.36	0.37	0.34	0.37	0.37	0.44	0.41	0.38	0.32	0.33	0.32	
7	0.42	0.36	0.37	0.34	0.38	0.37	0.42	0.41	0.38	0.32	0.33	0.32	
8	0.40	0.40	0.36	0.35	0.38	0.37	0.40	0.41	0.38	0.32	0.33	0.32	
9	0.38	0.42	0.35	0.34	0.37	0.37	0.41	0.41	0.38	0.32	0.32	0.32	
10	0.38	0.48	0.35	0.34	0.37	0.37	0.41	0.41	0.37	0.32	0.32	0.32	
11	0.38	0.44	0.35	0.34	0.38	0.36	0.39	0.41	0.37	0.33	0.32	0.32	
12	0.37	0.83	0.34	0.36	0.38	0.36	0.40	0.41	0.37	0.33	0.32	0.32	
13	0.37	0.59	0.34	0.40	0.38	0.63	0.42	0.41	0.37	0.33	0.32	0.32	
14	0.37	0.49	0.34	0.40	0.39	0.85	0.55	0.42	0.37	0.33	0.32	0.32	
15	0.36	0.45	0.33	0.40	0.38	0.79	0.55	0.53	0.37	0.34	0.32	0.32	
16	0.36	0.43	0.34	0.50	0.38	0.75	0.50	0.50	0.37	0.34	0.32	0.32	
17	0.36	0.41	0.34	0.47	0.38	0.61	0.65	0.47	0.36	0.34	0.32	0.32	
18	0.37	0.41	0.34	1.11	0.37	0.56	1.11	0.46	0.36	0.34	0.32	0.32	
19	0.37	0.49	0.34	0.66	0.37	0.50	0.75	0.45	0.36	0.34	0.32	0.32	
20	0.37	0.44	0.34	0.59	0.36	0.47	0.79	0.45	0.36	0.34	0.32	0.32	
21	0.39	0.40	0.48	0.53	0.36	0.45	0.75	0.44	0.36	0.33	0.32	0.31	
22	0.40	0.68	0.47	0.47	0.37	0.44	0.83	0.43	0.36	0.33	0.32	0.31	
23	0.40	0.55	0.40	0.46	0.37	0.41	0.80	0.42	0.37	0.33	0.32	0.31	
24	0.40	0.50	0.36	0.46	0.37	1.52	0.71	0.42	0.37	0.33	0.32	0.31	
25	0.40	0.46	0.37	0.47	0.37	1.06	0.64	0.41	0.37	0.33	0.32	0.31	
26	0.38	0.60	0.37	0.50	0.36	0.77	0.59	0.41	0.37	0.33	0.32	0.31	
27	0.38	0.51	0.37	0.46	0.36	0.65	0.55	0.41	0.36	0.33	0.32	0.31	
28	0.38	0.47	0.36	0.43	0.36	0.59	0.54	0.40	0.36	0.33	0.32	0.31	
29	0.38	0.46	0.35	0.43	0.36	0.55	0.52	0.40	0.35	0.33		0.33	
30	0.38	0.54	0.35	0.42	0.38	0.53	0.50	0.40	0.35	0.33		0.32	
31		0.46		0.42	0.36		0.47		0.35	0.33		0.32	
MEAN	0.38	0.47	0.37	0.44	0.38	0.55	0.56	0.43	0.37	0.33	0.32	0.32	
MAX	0.47	0.83	0.48	1.11	0.41	1.52	1.11	0.53	0.39	0.34	0.33	0.33	1.52
MIN	0.36	0.36	0.33	0.34	0.36	0.36	0.39	0.40	0.35	0.32	0.32	0.31	0.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.94 M (A.D), AT 7.00 HOURS, ON DEP 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.14 M (A.D)
LEFT BANK ELEVATION 10.78 M (A.D)
RIGHT BANK ELEVATION 5.41 M (A.D), DRAINAGE AREA 79 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.36	0.48	0.32	0.42	0.32	0.63	0.50	0.38	0.28	0.26	0.24	
2	0.32	0.36	0.44	0.30	0.40	0.32	0.58	0.46	0.38	0.26	0.26	0.24	
3	0.32	0.34	0.40	0.30	0.40	0.32	0.54	0.46	0.38	0.26	0.26	0.24	
4	0.32	0.34	0.38	0.28	0.38	0.34	0.52	0.48	0.38	0.26	0.26	0.24	
5	0.32	0.34	0.36	0.28	0.36	0.34	0.50	0.46	0.38	0.24	0.26	0.24	
6	0.54	0.32	0.34	0.28	0.34	0.34	0.48	0.42	0.36	0.24	0.26	0.24	
7	0.44	0.32	0.34	0.28	0.36	0.34	0.44	0.42	0.36	0.24	0.26	0.24	
8	0.40	0.40	0.32	0.30	0.36	0.34	0.40	0.42	0.36	0.24	0.26	0.24	
9	0.36	0.44	0.30	0.28	0.34	0.34	0.42	0.42	0.36	0.24	0.24	0.24	
10	0.36	0.56	0.30	0.28	0.34	0.34	0.42	0.42	0.34	0.24	0.24	0.24	
11	0.36	0.48	0.30	0.28	0.36	0.32	0.38	0.42	0.34	0.26	0.24	0.24	
12	0.34	2.21	0.28	0.32	0.36	0.32	0.40	0.42	0.34	0.26	0.24	0.24	
13	0.34	0.87	0.28	0.40	0.36	1.05	0.44	0.42	0.34	0.26	0.24	0.24	
14	0.34	0.58	0.28	0.40	0.38	2.35	0.75	0.44	0.34	0.26	0.24	0.24	
15	0.32	0.50	0.26	0.40	0.36	1.94	0.75	0.69	0.34	0.28	0.24	0.24	
16	0.32	0.46	0.28	0.60	0.36	1.70	0.60	0.60	0.34	0.28	0.24	0.24	
17	0.32	0.42	0.28	0.54	0.36	0.95	1.15	0.54	0.32	0.28	0.24	0.24	
18	0.34	0.42	0.28	4.39	0.34	0.78	4.39	0.52	0.32	0.28	0.24	0.24	
19	0.34	0.58	0.28	1.20	0.34	0.60	1.70	0.50	0.32	0.28	0.24	0.24	
20	0.34	0.48	0.28	0.87	0.32	0.54	1.94	0.50	0.32	0.28	0.24	0.24	
21	0.38	0.40	0.56	0.69	0.32	0.50	1.70	0.48	0.32	0.26	0.24	0.22	
22	0.40	1.30	0.54	0.54	0.34	0.48	2.21	0.46	0.32	0.26	0.24	0.22	
23	0.40	0.75	0.40	0.52	0.34	0.42	2.00	0.44	0.34	0.26	0.24	0.22	
24	0.40	0.60	0.32	0.52	0.34	8.64	1.46	0.44	0.34	0.26	0.24	0.22	
25	0.40	0.52	0.34	0.54	0.34	3.98	1.10	0.42	0.34	0.26	0.24	0.22	
26	0.36	0.90	0.34	0.60	0.32	1.82	0.87	0.42	0.34	0.26	0.24	0.22	
27	0.36	0.63	0.34	0.52	0.32	1.15	0.75	0.42	0.32	0.26	0.24	0.22	
28	0.36	0.54	0.32	0.46	0.32	0.87	0.72	0.40	0.32	0.26	0.24	0.22	
29	0.36	0.52	0.30	0.46	0.32	0.75	0.66	0.40	0.30	0.26		0.26	
30	0.36	0.72	0.30	0.44	0.36	0.69	0.60	0.40	0.30	0.26		0.24	
31		0.52		0.44	0.32		0.54		0.30	0.26		0.24	
TOTAL	10.84	18.18	10.22	18.03	10.88	33.19	30.04	13.79	10.54	8.08	6.88	7.30	177.97 CMSDAY
MEAN	0.36	0.59	0.34	0.58	0.35	1.11	0.97	0.46	0.34	0.26	0.25	0.24	0.49 CMS
MAX	0.54	2.21	0.56	4.39	0.42	8.64	4.39	0.69	0.38	0.28	0.26	0.26	8.64 CMS
MIN	0.32	0.32	0.26	0.28	0.32	0.32	0.38	0.40	0.30	0.24	0.24	0.22	0.22 CMS
RUNOFF	0.937	1.571	0.883	1.558	0.940	2.868	2.595	1.191	0.911	0.698	0.594	0.631	15.377 MCM

MOMENTARY PEAK 13.76 CMS, AT 1.94 M (A.D), AT 7.00 HOURS, ON DEP 24, 1985

RUNOFF YIELD 6.17 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 174.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

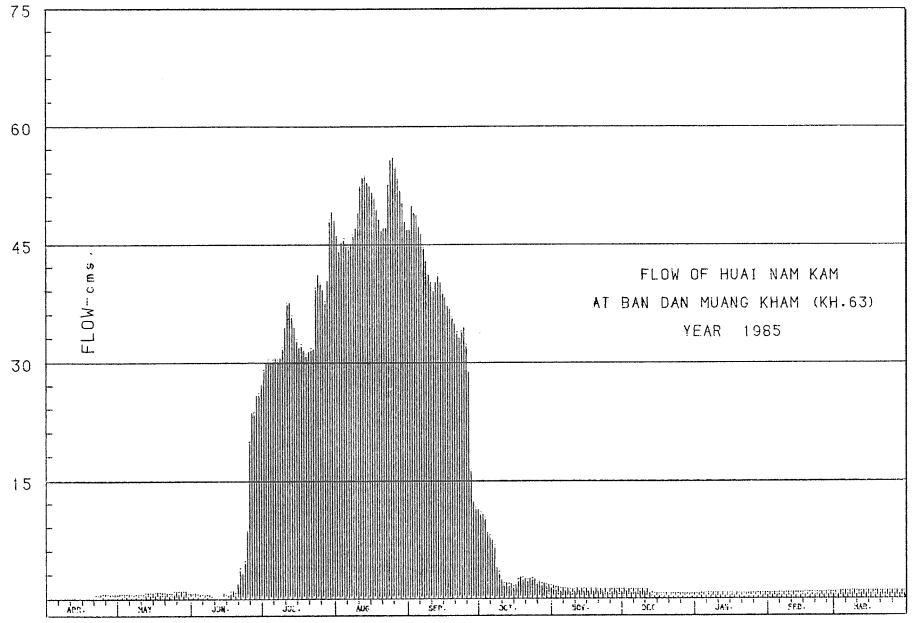
HUAI NAM KAM AT BAN DAN MUANG KHAM, SAKON NAKHON (KH.63

LOCATION	LAT. 17-06-15 N., LONG. 104-21-26 E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN DAN MUANG KHAM, KING AMPHOE KHOK SI SUPHAN, SAKON NAKHON.
DRAINAGE AREA	1,764 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.428 M.(A.D.)
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	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW .
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.41	0.41	3.22	4.24	4.30	1.82	0.65	0.55	0.40	0.43	0.46	
2	0.25	0.40	0.43	3.27	4.14	4.44	1.79	0.62	0.55	0.40	0.43	0.48	
3	0.25	0.40	0.40	3.30	4.19	4.41	1.75	0.62	0.54	0.42	0.43	0.49	
4	0.25	0.40	0.38	3.27	4.22	4.38	1.56	0.59	0.54	0.41	0.43	0.49	
5	0.25	0.39	0.38	3.30	4.16	4.32	1.53	0.58	0.54	0.43	0.44	0.49	
6	0.25	0.38	0.37	3.31	4.16	4.25	1.46	0.58	0.54	0.43	0.44	0.49	
7	0.25	0.37	0.38	3.30	4.18	4.16	1.40	0.56	0.54	0.43	0.43	0.49	
8	0.27	0.39	0.38	3.31	4.25	4.06	1.04	0.56	0.54	0.43	0.44	0.50	
9	0.26	0.39	0.33	3.40	4.29	3.98	0.98	0.54	0.54	0.43	0.44	0.50	
10	0.25	0.39	0.31	3.55	4.41	3.91	0.81	0.55	0.54	0.43	0.44	0.49	
11	0.26	0.39	0.34	3.75	4.57	3.86	0.74	0.57	0.54	0.43	0.44	0.49	
12	0.25	0.44	0.34	3.75	4.64	3.91	0.73	0.57	0.53	0.43	0.44	0.61	
13	0.24	0.44	0.35	3.65	4.64	3.97	0.72	0.56	0.45	0.43	0.44	1.76	
14	0.24	0.44	0.42	3.55	4.61	3.91	0.71	0.56	0.42	0.42	0.44	2.42	
15	0.25	0.43	0.38	3.46	4.57	3.84	0.65	0.55	0.41	0.42	0.44	2.55	
16	0.28	0.46	0.36	3.39	4.55	3.79	0.67	0.55	0.41	0.42	0.46	2.52	
17	0.25	0.46	0.49	3.42	4.49	3.74	0.84	0.56	0.41	0.42	0.46	2.47	
18	0.29	0.45	0.49	3.37	4.43	3.70	0.88	0.56	0.41	0.42	0.45	2.47	
19	0.27	0.45	0.45	3.34	4.35	3.64	0.88	0.57	0.41	0.41	0.45	2.49	
20	0.32	0.44	0.71	3.36	4.29	3.58	0.84	0.55	0.41	0.41	0.45	2.48	
21	0.37	0.43	1.04	3.39	4.29	3.52	0.83	0.54	0.41	0.41	0.45	2.46	
22	0.36	0.42	0.95	3.38	4.31	3.47	0.84	0.54	0.41	0.41	0.45	2.38	
23	0.38	0.42	1.15	3.87	4.58	3.53	0.86	0.55	0.41	0.41	0.45	2.25	
24	0.40	0.49	1.58	3.96	4.75	3.55	0.83	0.55	0.41	0.42	0.45	2.21	
25	0.40	1.83	2.58	3.91	4.75	3.42	0.79	0.55	0.40	0.42	0.45	2.17	
26	0.39	1.88	2.86	3.85	4.70	3.20	0.77	0.55	0.40	0.42	0.46	2.07	
27	0.38	1.85	2.87	3.76	4.62	2.29	0.73	0.55	0.40	0.43	0.46	1.07	
28	0.38	1.04	3.01	3.92	4.56	1.94	0.72	0.55	0.40	0.43	0.46	0.81	
29	0.39	0.54	3.03	4.35	4.46	1.88	0.70	0.55	0.40	0.43		0.59	
30	0.38	0.42	3.10	4.40	4.35	1.85	0.68	0.55	0.40	0.43		0.51	
31		0.42		4.36	4.28		0.67		0.40	0.43		0.49	
MEAN	0.30	0.58	1.01	3.59	4.42	3.63	0.97	0.56	0.46	0.42	0.44	1.36	
MAX	0.40	1.88	3.10	4.40	4.75	4.44	1.82	0.65	0.55	0.43	0.46	2.55	4.75
MIN	0.24	0.37	0.31	3.22	4.14	1.85	0.65	0.54	0.40	0.40	0.43	0.46	0.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.77 M (A.D), AT 12.00 HOURS, ON AUG 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.32 M (A.D)
LEFT BANK ELEVATION 4.02 M (A.D)
RIGHT BANK ELEVATION 5.19 M (A.D), DRAINAGE AREA 1764 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.64	0.64	29.12	46.12	47.20	11.00	1.60	1.20	0.60	0.72	0.84	
2	0.10	0.60	0.72	29.92	44.32	49.86	10.70	1.48	1.20	0.60	0.72	0.92	
3	0.10	0.60	0.60	30.40	45.22	49.29	10.30	1.48	1.16	0.68	0.72	0.96	
4	0.10	0.60	0.52	29.92	45.76	48.72	8.40	1.36	1.16	0.64	0.72	0.96	
5	0.10	0.56	0.52	30.40	44.68	47.58	8.10	1.32	1.16	0.72	0.76	0.96	
6	0.10	0.52	0.48	30.56	44.68	46.30	7.40	1.32	1.16	0.72	0.76	0.96	
7	0.10	0.48	0.52	30.40	45.04	44.68	6.80	1.24	1.16	0.72	0.72	0.96	
8	0.14	0.56	0.52	30.56	46.30	42.88	3.92	1.24	1.16	0.72	0.76	1.00	
9	0.12	0.56	0.32	32.00	47.02	41.44	3.44	1.16	1.16	0.72	0.76	1.00	
10	0.10	0.56	0.24	34.40	49.29	40.18	2.35	1.20	1.16	0.72	0.76	0.96	
11	0.12	0.56	0.36	37.60	52.40	39.36	2.00	1.28	1.16	0.72	0.76	0.96	
12	0.10	0.76	0.36	37.60	53.80	40.18	1.95	1.28	1.12	0.72	0.76	0.96	
13	0.08	0.76	0.40	36.00	53.80	41.26	1.90	1.24	0.80	0.72	0.76	0.96	
14	0.08	0.76	0.68	34.40	53.20	40.18	1.85	1.24	0.68	0.68	0.76	0.96	
15	0.10	0.72	0.52	32.96	52.40	39.04	1.60	1.20	0.64	0.68	0.76	0.96	
16	0.16	0.84	0.44	31.84	52.00	38.24	1.68	1.20	0.64	0.68	0.84	0.96	
17	0.10	0.84	0.96	32.32	50.81	37.44	2.50	1.24	0.64	0.68	0.84	0.96	
18	0.18	0.80	0.96	31.52	49.67	36.80	2.70	1.24	0.64	0.68	0.80	0.96	
19	0.14	0.80	0.80	31.04	48.15	35.84	2.70	1.28	0.64	0.64	0.80	0.96	
20	0.28	0.76	1.85	31.36	47.02	34.88	2.50	1.20	0.64	0.64	0.80	0.96	
21	0.48	0.72	3.92	31.84	47.02	33.92	2.45	1.16	0.64	0.64	0.80	0.96	
22	0.44	0.68	3.20	31.68	47.39	33.12	2.50	1.16	0.64	0.64	0.80	0.96	
23	0.52	0.68	4.80	39.52	52.60	34.08	2.60	1.20	0.64	0.64	0.80	0.96	
24	0.60	0.96	8.60	41.08	56.05	34.40	2.45	1.20	0.64	0.68	0.80	0.96	
25	0.60	0.96	19.96	40.18	56.05	32.32	2.25	1.20	0.60	0.68	0.80	0.96	
26	0.56	0.96	23.60	39.20	55.00	28.80	2.15	1.20	0.60	0.68	0.84	0.96	
27	0.52	0.96	23.75	37.76	53.40	16.48	1.95	1.20	0.60	0.72	0.84	0.96	
28	0.52	0.96	25.85	40.36	52.20	12.28	1.90	1.20	0.60	0.72	0.84	0.96	
29	0.56	0.96	26.15	48.15	50.24	11.60	1.80	1.20	0.60	0.72		0.96	
30	0.52	0.68	27.20	49.10	48.15	11.30	1.72	1.20	0.60	0.72		0.96	
31		0.68		48.34	46.84		1.68		0.60	0.72		0.96	
TOTAL	7.72	22.48	179.44	1091.53	1536.62	1089.65	117.24	37.72	26.04	21.24	21.80	29.68	4181.16 CMSDAY
MEAN	0.26	0.73	5.98	35.21	49.57	36.32	3.78	1.26	0.84	0.69	0.78	0.96	11.46 CMS
MAX	0.60	0.96	27.20	49.10	56.05	49.86	11.00	1.60	1.20	0.72	0.84	1.00	56.05 CMS
MIN	0.08	0.48	0.24	29.12	44.32	11.30	1.60	1.16	0.60	0.60	0.72	0.84	0.08 CMS
RUNOFF	0.667	1.942	15.504	94.308	132.764	94.146	10.130	3.259	2.250	1.835	1.884	2.564	361.252 MCM

MOMENTARY PEAK 56.47 CMS, AT 4.77 M (A.D), AT 12.00 HOURS, ON AUG 24, 1985

RUNOFF YIELD 6.49 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 32.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

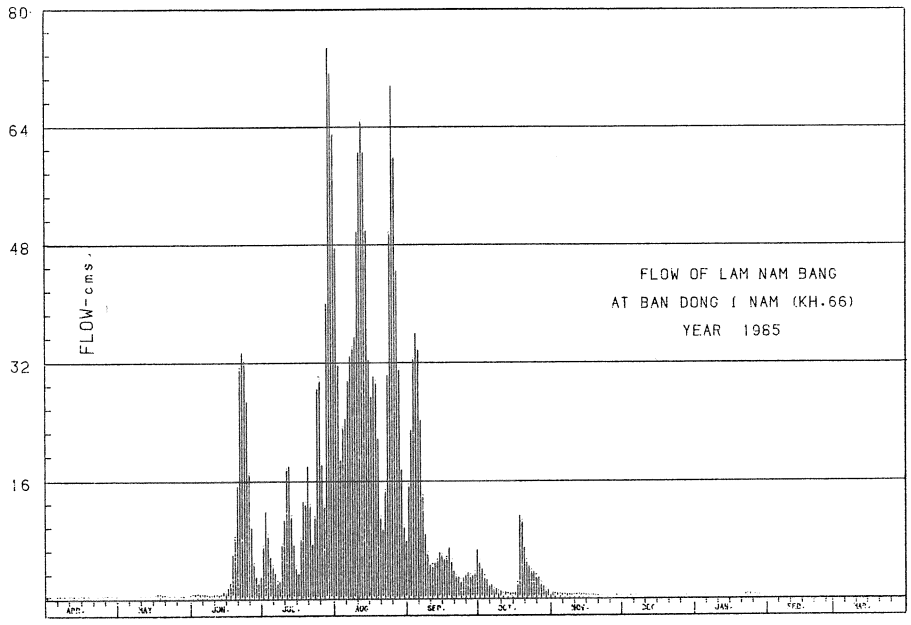
LAM NAM BANG AT BAN DONG I NAM, NAKHON PHANOM (KH.66)

LOCATION	LAT. 17-04-22 N., LONG. 104-34-38 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN DONG I NAM, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	441 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+9.393 M.(A.D.)
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	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.80	1.81	1.86	2.72	5.21	3.31	2.55	1.89	1.81	1.80	1.80	1.80	
2	1.80	1.80	1.86	3.06	4.30	3.76	2.41	1.88	1.81	1.80	1.80	1.80	
3	1.80	1.80	1.87	2.84	3.51	4.34	2.32	1.87	1.80	1.80	1.80	1.80	
4	1.80	1.80	1.85	2.59	3.79	4.53	2.22	1.86	1.80	1.80	1.80	1.80	
5	1.80	1.80	1.85	2.48	3.85	4.42	2.14	1.85	1.81	1.81	1.80	1.80	
6	1.80	1.80	1.85	2.35	4.17	3.84	2.09	1.85	1.80	1.81	1.80	1.80	
7	1.80	1.80	1.84	2.20	4.35	3.21	2.02	1.84	1.80	1.81	1.80	1.80	
8	1.80	1.80	1.82	2.17	4.43	2.83	1.99	1.83	1.80	1.81	1.80	1.80	
9	1.80	1.80	1.82	2.74	4.50	2.65	1.96	1.83	1.80	1.81	1.80	1.80	
10	1.80	1.80	1.84	2.98	5.36	2.47	1.93	1.84	1.80	1.81	1.80	1.80	
11	1.80	1.80	1.85	3.44	5.92	2.49	1.90	1.85	1.80	1.81	1.80	1.80	
12	1.80	1.80	1.83	3.46	6.13	2.50	1.91	1.85	1.80	1.81	1.80	1.80	
13	1.80	1.80	1.85	3.03	5.92	2.56	1.88	1.84	1.80	1.81	1.80	1.80	
14	1.80	1.80	1.92	2.72	5.37	2.64	1.87	1.84	1.80	1.81	1.80	1.80	
15	1.80	1.80	1.96	2.47	4.32	2.63	1.87	1.83	1.80	1.81	1.80	1.80	
16	1.80	1.84	2.01	2.34	4.05	2.55	1.89	1.82	1.80	1.81	1.80	1.80	
17	1.80	1.87	2.13	2.80	4.19	2.60	2.16	1.82	1.80	1.81	1.80	1.80	
18	1.80	1.86	2.62	3.15	4.16	2.69	3.02	1.82	1.80	1.81	1.80	1.80	
19	1.80	1.83	2.81	3.15	3.69	2.56	2.98	1.81	1.80	1.80	1.80	1.80	
20	1.80	1.83	3.29	3.46	3.02	2.38	2.69	1.80	1.80	1.80	1.80	1.80	
21	1.80	1.82	4.26	3.13	2.88	2.33	2.56	1.80	1.80	1.81	1.80	1.80	
22	1.80	1.81	4.38	2.73	3.26	2.28	2.45	1.80	1.80	1.86	1.80	1.80	
23	1.80	1.80	4.31	3.02	4.20	2.24	2.40	1.80	1.80	1.87	1.80	1.80	
24	1.80	1.80	3.99	4.09	5.34	2.26	2.37	1.81	1.80	1.86	1.80	1.80	
25	1.81	1.80	3.41	4.17	6.35	2.36	2.33	1.81	1.80	1.85	1.80	1.80	
26	1.81	1.80	2.90	3.47	5.90	2.36	2.27	1.81	1.80	1.84	1.80	1.80	
27	1.80	1.80	2.51	3.12	5.03	2.34	2.17	1.81	1.80	1.82	1.80	1.80	
28	1.80	1.80	2.29	4.77	4.26	2.31	2.05	1.81	1.80	1.82	1.80	1.80	
29	1.80	1.80	2.21	6.61	3.43	2.38	2.02	1.80	1.80	1.82		1.80	
30	1.80	1.80	2.29	6.43	2.93	2.67	1.96	1.80	1.80	1.81		1.80	
31		1.84		6.05	2.76		1.93		1.80	1.81		1.80	
MEAN	1.80	1.81	2.44	3.35	4.41	2.82	2.20	1.83	1.80	1.82	1.80	1.80	
MAX	1.81	1.87	4.38	6.61	6.35	4.53	3.02	1.89	1.81	1.87	1.80	1.80	6.61
MIN	1.80	1.80	1.82	2.17	2.76	2.24	1.87	1.80	1.80	1.80	1.80	1.80	1.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.67 M (A.D), AT 6.00 HOURS, ON JUL 29, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.03 M (A.D)
LEFT BANK ELEVATION 8.10 M (A.D)
RIGHT BANK ELEVATION 8.14 M (A.D), DRAINAGE AREA 441 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.44	0.64	7.26	47.47	15.56	5.25	0.76	0.44	0.40	0.40	0.40	
2	0.40	0.40	0.64	11.80	32.00	22.82	3.99	0.72	0.44	0.40	0.40	0.40	
3	0.40	0.40	0.68	8.82	18.76	32.68	3.18	0.68	0.40	0.40	0.40	0.40	
4	0.40	0.40	0.60	5.61	23.33	35.91	2.56	0.64	0.40	0.40	0.40	0.40	
5	0.40	0.40	0.60	4.62	24.35	34.04	2.12	0.60	0.44	0.44	0.40	0.40	
6	0.40	0.40	0.60	3.45	29.79	24.18	1.84	0.60	0.40	0.44	0.40	0.40	
7	0.40	0.40	0.56	2.45	32.85	14.05	1.46	0.56	0.40	0.44	0.40	0.40	
8	0.40	0.40	0.48	2.29	34.21	8.69	1.30	0.52	0.40	0.44	0.40	0.40	
9	0.40	0.40	0.48	7.52	35.40	6.35	1.13	0.52	0.40	0.44	0.40	0.40	
10	0.40	0.40	0.56	10.64	50.02	4.53	0.96	0.56	0.40	0.44	0.40	0.40	
11	0.40	0.40	0.60	17.64	60.52	4.71	0.80	0.60	0.40	0.44	0.40	0.40	
12	0.40	0.40	0.52	17.96	64.93	4.80	0.85	0.60	0.40	0.44	0.40	0.40	
13	0.40	0.40	0.60	11.35	60.52	5.34	0.72	0.56	0.40	0.44	0.40	0.40	
14	0.40	0.40	0.91	7.26	50.19	6.22	0.68	0.56	0.40	0.44	0.40	0.40	
15	0.40	0.40	1.13	4.53	32.34	6.09	0.68	0.52	0.40	0.44	0.40	0.40	
16	0.40	0.56	1.41	3.36	27.75	5.25	0.76	0.48	0.40	0.44	0.40	0.40	
17	0.40	0.68	2.07	8.30	30.13	5.70	2.23	0.48	0.40	0.44	0.40	0.40	
18	0.40	0.64	5.96	13.15	29.62	6.87	11.20	0.48	0.40	0.44	0.40	0.40	
19	0.40	0.52	8.43	13.15	21.64	5.34	10.64	0.44	0.40	0.40	0.40	0.40	
20	0.40	0.52	15.25	17.96	11.20	3.72	6.87	0.40	0.40	0.40	0.40	0.40	
21	0.40	0.48	31.32	12.85	9.34	3.27	5.34	0.40	0.40	0.44	0.40	0.40	
22	0.40	0.44	33.36	7.39	14.80	2.89	4.35	0.40	0.40	0.64	0.40	0.40	
23	0.40	0.40	32.17	11.20	30.30	2.67	3.90	0.40	0.40	0.68	0.40	0.40	
24	0.40	0.40	26.73	28.43	49.68	2.78	3.63	0.44	0.40	0.64	0.40	0.40	
25	0.44	0.40	17.16	29.79	69.55	3.54	3.27	0.44	0.40	0.60	0.40	0.40	
26	0.44	0.40	9.60	18.12	60.10	3.54	2.84	0.44	0.40	0.56	0.40	0.40	
27	0.40	0.40	4.89	12.70	44.41	3.36	2.29	0.44	0.40	0.48	0.40	0.40	
28	0.40	0.40	2.95	39.99	31.32	3.09	1.63	0.44	0.40	0.48	0.40	0.40	
29	0.40	0.40	2.51	75.01	17.48	3.72	1.46	0.40	0.40	0.48		0.40	
30	0.40	0.40	2.95	71.23	9.99	6.61	1.13	0.40	0.40	0.44		0.40	
31		0.56		63.25	7.78		0.96		0.40	0.44		0.40	
TOTAL	12.08	13.64	206.36	549.08	1061.77	288.32	90.02	15.48	12.52	14.44	11.20	12.40	2287.31 CMSDAY
MEAN	0.40	0.44	6.88	17.71	34.25	9.61	2.90	0.52	0.40	0.47	0.40	0.40	6.27 CMS
MAX	0.44	0.68	33.36	75.01	69.55	35.91	11.20	0.76	0.44	0.68	0.40	0.40	75.01 CMS
MIN	0.40	0.40	0.48	2.29	7.78	2.67	0.68	0.40	0.40	0.40	0.40	0.40	0.40 CMS
RUNOFF	1.044	1.178	17.830	47.441	91.737	24.911	7.778	1.337	1.082	1.248	0.968	1.071	197.624 MCM

MOMENTARY PEAK 76.27 CMS, AT 6.67 M (A.D), AT 6.00 HOURS, ON JUL 29, 1985

RUNOFF YIELD 14.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 172.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

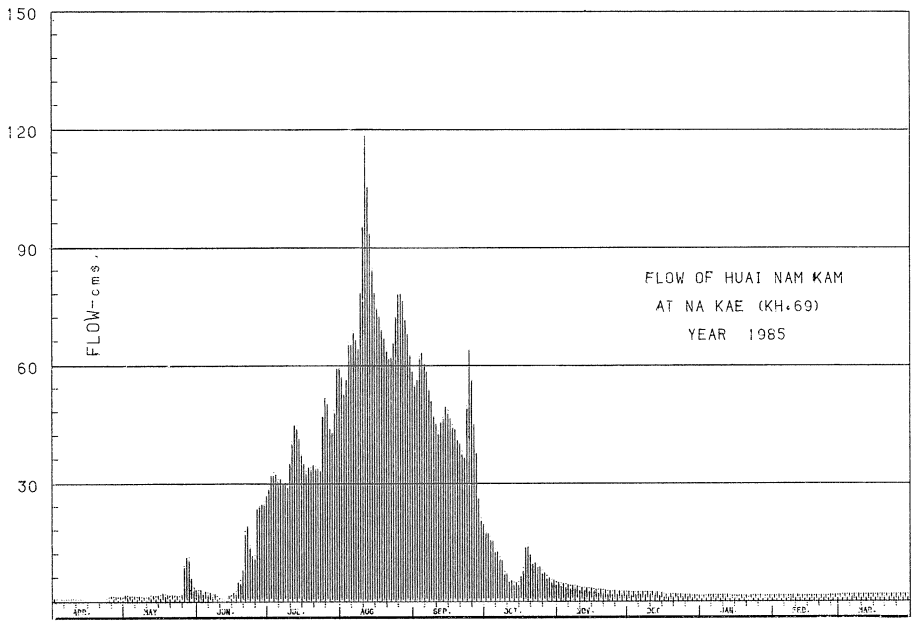
HUAI NAM KAM AT NA KAE, NAKHON PHANOM (KH.69)

LOCATION	LAT. 16-57-20 N., LONG. 104-30-32 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN NA KAE, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	2,214 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+137.85 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+147.239 M.(M.S.L.)
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	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	138.76	138.89	139.05	140.51	141.36	141.32	140.05	139.29	139.00	138.86	138.87	138.90	
2	138.74	138.89	139.06	140.60	141.26	141.34	140.01	139.28	138.99	138.86	138.87	138.91	
3	138.73	138.85	139.04	140.63	141.34	141.51	139.98	139.25	138.99	138.87	138.88	138.91	
4	138.73	138.86	139.01	140.61	141.60	141.53	139.92	139.25	138.99	138.89	138.87	138.91	
5	138.72	138.85	138.98	140.57	141.58	141.48	139.82	139.22	138.99	138.89	138.87	138.91	
6	138.73	138.84	138.97	140.57	141.67	141.40	139.78	139.20	138.99	138.89	138.87	138.91	
7	138.75	138.85	138.92	140.56	141.61	141.29	139.72	139.20	138.99	138.89	138.87	138.91	
8	138.74	138.83	138.92	140.54	141.57	141.19	139.67	139.20	138.99	138.89	138.88	138.91	
9	138.76	138.82	138.88	140.53	141.91	141.10	139.52	139.18	138.99	138.89	138.88	138.91	
10	138.73	138.82	138.79	140.70	142.30	141.03	139.48	139.15	138.99	138.89	138.88	138.91	
11	138.73	138.83	138.76	140.89	142.78	140.98	139.41	139.13	138.99	138.89	138.88	138.91	
12	138.74	138.89	138.73	141.02	142.52	141.04	139.35	139.13	138.99	138.89	138.88	138.91	
13	138.72	138.87	138.81	141.02	142.25	141.08	139.31	139.12	138.98	138.88	138.87	138.91	
14	138.65	138.87	138.87	140.91	142.06	141.15	139.29	139.12	138.98	138.86	138.87	139.41	
15	138.64	138.88	138.90	140.80	141.91	141.13	139.32	139.11	138.96	138.87	138.87	139.83	
16	138.64	138.91	138.96	140.70	141.83	141.07	139.44	139.09	138.93	138.86	138.87	139.96	
17	138.65	138.95	139.04	140.64	141.76	141.03	139.58	139.07	138.90	138.87	138.87	139.98	
18	138.64	138.93	139.30	140.67	141.69	140.99	139.83	139.07	138.91	138.87	138.87	139.95	
19	138.69	138.90	139.38	140.67	141.62	140.93	139.89	139.07	138.92	138.87	138.87	139.94	
20	138.74	138.89	139.54	140.69	141.56	140.87	139.74	139.06	138.92	138.86	138.87	139.95	
21	138.73	138.90	140.04	140.68	141.49	140.81	139.67	139.05	138.92	138.82	138.87	139.94	
22	138.75	138.89	140.09	140.66	141.52	140.75	139.64	139.03	138.91	138.87	138.87	139.93	
23	138.77	138.87	139.87	140.67	141.59	141.16	139.63	139.02	138.91	138.88	138.87	139.89	
24	138.81	138.86	139.73	141.08	141.77	141.55	139.59	139.01	138.90	138.88	138.88	139.83	
25	138.85	138.91	139.74	141.23	141.90	141.36	139.54	139.03	138.90	138.88	138.89	139.80	
26	138.85	139.61	140.27	141.17	141.93	141.03	139.50	139.02	138.90	138.88	138.89	139.79	
27	138.84	139.71	140.33	141.02	141.86	140.81	139.46	139.01	138.90	138.87	138.89	139.72	
28	138.83	139.72	140.32	140.96	141.76	140.38	139.42	139.01	138.87	138.87	138.89	139.38	
29	138.83	139.41	140.35	141.13	141.65	140.18	139.39	139.01	138.88	138.87		139.17	
30	138.82	139.14	140.41	141.42	141.53	140.11	139.37	139.00	138.87	138.87		139.08	
31		139.06		141.44	141.40		139.32		138.86	138.87		138.94	
MEAN	138.74	138.98	139.37	140.82	141.76	141.05	139.60	139.11	138.94	138.87	138.88	139.36	
MAX	138.85	139.72	140.41	141.44	142.78	141.55	140.05	139.29	139.00	138.89	138.89	139.98	142.78
MIN	138.64	138.82	138.73	140.51	141.36	140.11	139.29	139.00	138.86	138.82	138.87	138.90	138.64

ANNUAL MAX MOMENTARY GAGE HEIGHT 142.83 M (MSL), AT 12.00 HOURS, ON AUG 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 137.85 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 2214 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	1.63	2.90	29.30	56.96	55.52	18.20	4.82	2.50	1.42	1.49	1.70	
2	0.70	1.63	2.98	32.00	53.36	56.24	17.24	4.74	2.42	1.42	1.49	1.78	
3	0.65	1.35	2.82	32.90	56.24	62.40	16.60	4.50	2.42	1.49	1.56	1.78	
4	0.65	1.42	2.58	32.30	66.00	63.20	15.40	4.50	2.42	1.63	1.49	1.78	
5	0.60	1.35	2.34	31.10	65.20	61.28	13.40	4.26	2.42	1.63	1.49	1.78	
6	0.65	1.28	2.26	31.10	68.80	58.40	12.60	4.10	2.42	1.63	1.49	1.78	
7	0.75	1.35	1.86	30.80	66.40	54.44	11.40	4.10	2.42	1.63	1.49	1.78	
8	0.70	1.21	1.86	30.20	64.80	50.84	10.40	4.10	2.42	1.63	1.56	1.78	
9	0.80	1.14	1.56	29.90	78.40	47.60	7.64	3.94	2.42	1.63	1.56	1.78	
10	0.65	1.14	0.95	35.00	95.80	45.08	6.98	3.70	2.42	1.63	1.56	1.78	
11	0.65	1.21	0.80	40.70	118.44	43.40	5.86	3.54	2.42	1.63	1.56	1.78	
12	0.70	1.63	0.65	44.72	105.96	45.44	5.30	3.54	2.42	1.63	1.56	1.78	
13	0.60	1.49	1.07	44.72	93.50	46.88	4.98	3.46	2.34	1.56	1.49	1.78	
14	0.25	1.49	1.49	41.30	84.76	49.40	4.82	3.46	2.34	1.42	1.49	1.78	
15	0.20	1.56	1.70	38.00	78.40	48.68	5.06	3.38	2.18	1.49	1.49	1.78	
16	0.20	1.78	2.18	35.00	75.20	46.52	6.34	3.22	1.94	1.42	1.49	1.78	
17	0.25	2.10	2.82	33.20	72.40	45.08	8.66	3.06	1.70	1.49	1.49	1.78	
18	0.20	1.94	4.90	34.10	69.60	43.70	13.60	3.06	1.78	1.49	1.49	1.78	
19	0.45	1.70	5.54	34.10	66.80	41.90	14.80	3.06	1.86	1.49	1.49	1.78	
20	0.70	1.63	7.98	34.70	64.40	40.10	11.80	2.98	1.86	1.42	1.49	1.78	
21	0.65	1.70	17.96	34.40	61.64	38.30	10.40	2.90	1.86	1.14	1.49	1.78	
22	0.75	1.63	19.16	33.80	62.80	36.50	9.80	2.74	1.78	1.49	1.49	1.78	
23	0.85	1.49	14.40	34.10	65.60	49.76	9.60	2.66	1.78	1.56	1.49	1.78	
24	1.07	1.42	11.60	46.88	72.80	64.00	8.83	2.58	1.70	1.56	1.56	1.78	
25	1.35	1.78	11.80	52.28	78.00	56.96	7.98	2.74	1.70	1.56	1.63	1.78	
26	1.35	9.20	23.48	50.12	79.20	45.08	7.30	2.66	1.70	1.56	1.63	1.78	
27	1.28	11.20	24.92	44.72	76.40	38.30	6.66	2.58	1.70	1.49	1.63	1.78	
28	1.21	11.40	24.68	42.80	72.40	26.12	6.02	2.58	1.49	1.49	1.63	1.78	
29	1.21	5.86	25.40	48.68	68.00	21.32	5.62	2.58	1.56	1.49		1.78	
30	1.14	3.62	26.84	59.12	63.20	19.64	5.46	2.50	1.49	1.49		1.78	
31		2.98		59.84	58.40		5.06		1.42	1.49		0.00	
TOTAL	22.01	82.31	251.48	1201.88	2259.86	1402.08	293.81	102.04	63.30	47.10	42.77	53.32	5821.96 CMSDAY
MEAN	0.73	2.66	8.38	38.77	72.90	46.74	9.48	3.40	2.04	1.52	1.53	1.72	15.95 CMS
MAX	1.35	11.40	26.84	59.84	118.44	64.00	18.20	4.82	2.50	1.63	1.63	1.78	118.44 CMS
MIN	0.20	1.14	0.65	29.30	53.36	19.64	4.82	2.50	1.42	1.14	1.49	0.00	0.00 CMS
RUNOFF	1.902	7.112	21.728	103.842	195.252	121.140	25.385	8.816	5.469	4.069	3.695	4.607	503.017 MCM

MOMENTARY PEAK 120.84 CMS, AT 142.83 M (MSL), AT 12.00 HOURS, ON AUG 11, 1985

RUNOFF YIELD 7.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 54.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

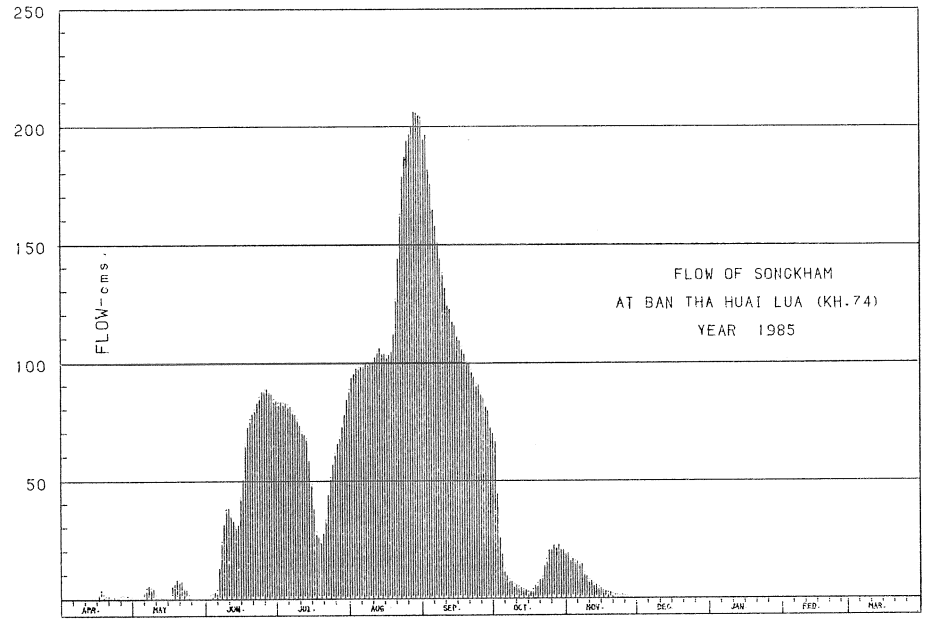
SONGKRAM RIVER AT BAN THA HUAI LUA, SAKON NAKHON (KH.74)

LOCATION	LAT. 17-49-05 N., LONG. 103-23-28 E., ON LEFT BANK AT BAN THA HUAI LUA, AMPHOE BAN MUANG, SAKON NAKHON.
DRAINAGE AREA	2,145 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+11.633 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	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +7.69 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 166 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.73	0.98	6.12	6.74	8.82	4.49	2.51	0.76	0.58	0.46	0.35	
2	0.30	0.79	1.05	6.14	6.86	8.83	3.71	2.38	0.73	0.56	0.42	0.35	
3	0.29	0.84	1.11	6.11	6.90	8.66	3.03	2.34	0.70	0.51	0.40	0.34	
4	0.29	0.95	1.16	6.09	6.92	8.57	2.49	2.30	0.68	0.49	0.42	0.33	
5	0.29	1.13	1.31	6.05	6.92	8.45	2.08	2.27	0.66	0.49	0.43	0.32	
6	0.29	1.37	2.10	5.97	6.96	8.33	1.85	2.24	0.64	0.48	0.42	0.31	
7	0.28	1.45	2.86	5.81	7.00	8.21	1.73	2.21	0.64	0.58	0.40	0.31	
8	0.26	1.39	3.28	5.66	7.01	8.08	1.60	1.96	0.63	0.58	0.39	0.30	
9	0.25	1.32	3.50	5.49	7.00	7.96	1.52	1.83	0.63	0.53	0.38	0.29	
10	0.25	1.03	3.51	5.22	7.03	7.83	1.45	1.71	0.62	0.52	0.38	0.29	
11	0.27	0.86	3.43	5.00	7.09	7.70	1.41	1.63	0.59	0.52	0.38	0.28	
12	0.27	0.74	3.33	4.78	7.20	7.65	1.34	1.54	0.54	0.50	0.37	0.29	
13	0.28	0.66	3.25	4.50	7.23	7.56	1.30	1.46	0.53	0.49	0.37	0.30	
14	0.29	0.72	3.27	4.18	7.20	7.49	1.24	1.39	0.51	0.49	0.37	0.31	
15	0.34	0.77	3.67	3.86	7.15	7.40	1.19	1.31	0.49	0.48	0.37	0.30	
16	1.09	1.08	3.92	3.50	7.12	7.32	1.15	1.24	0.50	0.48	0.37	0.30	
17	1.27	1.41	4.43	3.13	7.13	7.25	1.29	1.20	0.51	0.48	0.33	0.29	
18	1.08	1.65	5.17	2.97	7.22	7.14	1.43	1.16	0.58	0.48	0.36	0.30	
19	0.94	1.72	5.49	2.90	7.40	7.05	1.55	1.13	0.57	0.49	0.36	0.30	
20	0.82	1.73	5.67	3.07	7.74	6.97	1.67	1.09	0.52	0.47	0.29	0.28	
21	0.68	1.64	5.87	3.35	8.08	6.88	1.82	1.00	0.51	0.47	0.26	0.31	
22	0.65	1.48	6.10	3.70	8.41	6.75	2.14	0.99	0.51	0.46	0.32	0.35	
23	0.58	1.28	6.31	3.95	8.61	6.64	2.35	0.96	0.48	0.46	0.42	0.37	
24	0.70	1.09	6.44	4.13	8.73	6.62	2.59	0.91	0.46	0.45	0.44	0.42	
25	0.94	0.90	6.51	4.29	8.80	6.42	2.70	0.86	0.50	0.43	0.38	0.49	
26	1.02	0.74	6.52	4.42	8.85	6.25	2.73	0.84	0.52	0.42	0.38	0.47	
27	0.99	0.69	6.48	4.64	8.88	6.05	2.75	0.81	0.52	0.41	0.38	0.63	
28	0.92	0.67	6.38	5.17	8.97	5.78	2.75	0.81	0.53	0.39	0.38	0.60	
29	0.85	0.73	6.24	5.73	8.95	5.25	2.70	0.81	0.56	0.33		0.46	
30	0.75	0.82	6.18	6.22	8.95	4.89	2.61	0.81	0.59	0.32		0.36	
31		0.85		6.52	8.93		2.54		0.60	0.33		0.29	
MEAN	0.58	1.07	4.18	4.80	7.68	7.29	2.10	1.46	0.57	0.47	0.38	0.35	
MAX	1.27	1.73	6.52	6.52	8.97	8.83	4.49	2.51	0.76	0.58	0.46	0.63	8.97
MIN	0.25	0.66	0.98	2.90	6.74	4.89	1.15	0.81	0.46	0.32	0.26	0.28	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.97 M (A.D), AT 6.00 HOURS, ON AUG 28, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.02 M (A.D)
LEFT BANK ELEVATION 8.75 M (A.D)
RIGHT BANK ELEVATION 7.68 M (A.D), DRAINAGE AREA 2145 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.96	1.46	83.12	93.50	195.60	67.70	19.15	1.02	0.66	0.42	0.20	
2	0.10	1.08	1.75	83.34	96.50	196.40	44.30	17.20	0.96	0.62	0.34	0.20	
3	0.09	1.18	2.10	83.01	97.50	182.80	26.95	16.60	0.90	0.52	0.30	0.18	
4	0.09	1.40	2.60	82.79	98.00	175.60	18.85	16.00	0.86	0.48	0.34	0.16	
5	0.09	2.30	4.10	82.35	98.00	166.00	12.70	15.55	0.82	0.48	0.36	0.14	
6	0.09	4.70	13.00	81.47	99.00	157.80	9.50	15.10	0.78	0.46	0.34	0.12	
7	0.08	5.50	24.40	79.71	100.00	150.60	8.30	14.65	0.78	0.66	0.30	0.12	
8	0.06	4.90	31.50	78.06	100.25	144.00	7.00	10.90	0.76	0.66	0.28	0.10	
9	0.05	4.20	38.00	76.19	100.00	138.00	6.20	9.30	0.76	0.56	0.26	0.09	
10	0.05	1.65	38.30	73.22	100.75	131.50	5.50	8.10	0.74	0.54	0.26	0.09	
11	0.07	1.22	35.90	71.00	102.25	125.00	5.10	7.30	0.68	0.54	0.26	0.08	
12	0.07	0.98	32.90	69.40	105.00	122.50	4.40	6.40	0.58	0.50	0.24	0.09	
13	0.08	0.82	30.75	68.00	106.05	118.40	4.00	5.60	0.56	0.48	0.24	0.10	
14	0.09	0.94	31.25	58.40	105.00	115.60	3.40	4.90	0.52	0.48	0.24	0.12	
15	0.18	1.04	43.10	48.80	103.75	112.00	2.90	4.10	0.48	0.46	0.24	0.10	
16	1.95	1.90	50.60	38.00	103.00	109.20	2.50	3.40	0.50	0.46	0.24	0.10	
17	3.70	5.10	65.90	28.45	103.25	106.75	3.90	3.00	0.52	0.46	0.16	0.09	
18	1.90	7.50	72.70	26.05	105.70	103.50	5.30	2.60	0.66	0.46	0.22	0.10	
19	1.38	8.20	76.19	25.00	112.00	101.25	6.50	2.30	0.64	0.48	0.22	0.10	
20	1.14	8.30	78.17	27.55	127.00	99.25	7.70	1.95	0.54	0.44	0.09	0.08	
21	0.86	7.40	80.37	33.50	144.00	97.00	9.20	1.50	0.52	0.44	0.06	0.12	
22	0.80	5.80	82.90	44.00	162.80	93.75	13.60	1.48	0.52	0.42	0.14	0.20	
23	0.66	3.80	85.65	51.50	178.80	91.00	16.75	1.42	0.46	0.42	0.34	0.24	
24	0.90	1.95	87.60	56.90	188.40	90.50	20.35	1.32	0.42	0.40	0.38	0.34	
25	1.38	1.30	88.65	61.70	194.00	87.30	22.00	1.22	0.50	0.36	0.26	0.48	
26	1.60	0.98	88.80	65.60	198.00	84.75	22.45	1.18	0.54	0.34	0.26	0.44	
27	1.48	0.88	88.20	68.70	200.40	82.35	22.75	1.12	0.54	0.32	0.26	0.76	
28	1.34	0.84	86.70	72.70	207.60	79.38	22.75	1.12	0.56	0.28	0.26	0.70	
29	1.20	0.96	84.60	78.83	206.00	73.55	22.00	1.12	0.62	0.16		0.42	
30	1.00	1.14	83.78	84.30	206.00	69.95	20.65	1.12	0.68	0.14		0.22	
31		1.20		88.80	204.40		19.60		0.70	0.16		0.09	
TOTAL	22.62	90.12	1531.92	1970.44	4146.90	3601.28	464.80	196.70	20.12	13.84	7.31	6.37	12072.42 CMSDAY
MEAN	0.75	2.91	51.06	63.56	133.77	120.04	14.99	6.56	0.65	0.45	0.26	0.21	33.08 CMS
MAX	3.70	8.30	88.80	88.80	207.60	196.40	67.70	19.15	1.02	0.66	0.42	0.76	207.60 CMS
MIN	0.05	0.82	1.46	25.00	93.50	69.95	2.50	1.12	0.42	0.14	0.06	0.08	0.05 CMS
RUNOFF	1.954	7.786	132.358	170.246	358.292	311.151	40.159	16.995	1.738	1.196	0.632	0.550	1043.057 MCM

MOMENTARY PEAK 207.60 CMS, AT 8.97 M (A.D), AT 6.00 HOURS, ON AUG 28, 1985

RUNOFF YIELD 15.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 96.78 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

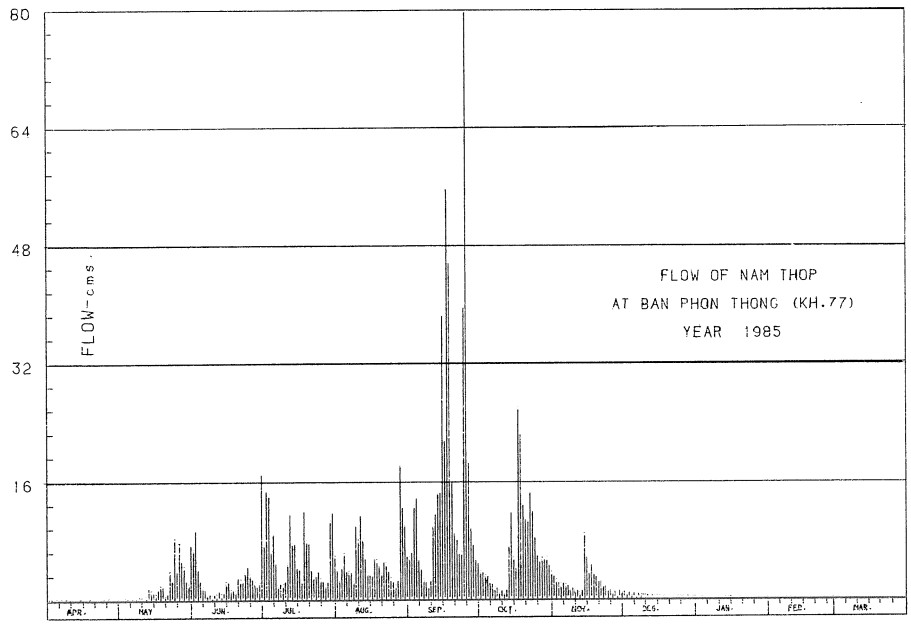
NAM THOP AT BAN PHON THONG, LOEI (KH.77)

LOCATION	LAT. 17-15-51 N., LONG. 101-39-26 E., ON LEFT BANK AT BAN PHON THONG, AMPHOE WANG SAPHUNG, LOEI.
DRAINAGE AREA	142 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE MEASURING LINE.
ELEVATION	+7.608 M.(A.D.)
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 FLOAT	-
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 134 DISCHARGE MEASUREMENTS IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.50	1.15	1.18	0.96	1.09	0.96	0.90	0.68	0.55	0.51	0.49	
2	0.47	0.50	1.27	1.51	0.87	1.12	0.94	0.86	0.68	0.54	0.51	0.49	
3	0.47	0.52	1.00	1.50	0.98	1.42	0.92	0.81	0.65	0.54	0.51	0.48	
4	0.47	0.49	0.84	1.12	1.12	1.47	0.90	0.80	0.65	0.54	0.51	0.48	
5	0.46	0.50	0.78	1.26	0.95	1.08	0.85	0.80	0.64	0.54	0.51	0.47	
6	0.48	0.49	0.72	1.03	0.96	0.97	0.79	0.79	0.63	0.53	0.51	0.47	
7	0.47	0.49	0.67	0.79	0.94	0.87	0.76	0.77	0.63	0.53	0.51	0.47	
8	0.47	0.51	0.63	0.80	0.84	0.82	0.74	0.74	0.63	0.53	0.51	0.47	
9	0.47	0.56	0.63	0.81	1.30	0.79	0.71	0.73	0.62	0.53	0.51	0.46	
10	0.46	0.55	0.62	0.93	1.21	0.83	0.70	0.72	0.61	0.53	0.51	0.46	
11	0.46	0.53	0.65	1.04	1.37	1.31	0.70	0.70	0.60	0.53	0.50	0.47	
12	0.47	0.62	0.70	1.38	1.22	1.28	0.71	0.68	0.58	0.53	0.50	0.47	
13	0.47	0.74	0.66	1.19	1.07	1.51	1.18	0.70	0.59	0.53	0.50	0.47	
14	0.46	0.72	0.66	1.18	0.94	1.50	1.39	1.25	0.60	0.53	0.50	0.46	
15	0.45	0.66	0.84	1.01	0.91	2.21	1.09	1.08	0.59	0.52	0.49	0.46	
16	0.47	0.66	0.82	0.97	0.94	1.75	0.98	0.96	0.59	0.52	0.49	0.46	
17	0.48	0.72	0.73	0.86	1.07	2.58	1.89	1.01	0.59	0.52	0.48	0.46	
18	0.48	0.79	0.71	1.40	1.07	2.37	1.78	0.95	0.57	0.52	0.48	0.46	
19	0.48	0.76	0.72	1.21	1.01	1.57	1.45	0.89	0.57	0.51	0.48	0.46	
20	0.48	0.66	0.88	1.18	0.94	1.25	1.34	0.87	0.57	0.51	0.48	0.45	
21	0.48	0.64	0.87	1.00	1.04	1.22	1.35	0.83	0.57	0.51	0.47	0.46	
22	0.48	0.96	0.82	0.97	1.04	1.11	1.50	0.79	0.57	0.51	0.46	0.46	
23	0.48	0.84	0.95	0.94	0.95	1.12	1.41	0.76	0.57	0.51	0.47	0.46	
24	0.48	1.22	1.00	0.96	0.89	2.23	1.22	0.74	0.56	0.50	0.47	0.46	
25	0.50	0.95	0.93	0.86	0.82	3.01	1.12	0.71	0.56	0.50	0.47	0.46	
26	0.51	1.19	0.86	0.82	0.79	1.65	1.04	0.70	0.55	0.50	0.48	0.45	
27	0.50	1.05	0.84	0.80	0.84	1.30	1.08	0.68	0.55	0.50	0.52	0.45	
28	0.53	1.01	0.76	0.82	1.65	1.17	1.06	0.65	0.55	0.50	0.50	0.45	
29	0.52	0.84	0.83	1.24	1.42	1.09	1.09	0.70	0.55	0.50		0.45	
30	0.51	0.81	1.60	1.39	1.32	1.03	1.01	0.71	0.55	0.50		0.45	
31		1.17		1.10	1.09		0.95		0.55	0.51		0.46	
MEAN	0.48	0.73	0.84	1.07	1.05	1.43	1.08	0.81	0.59	0.52	0.49	0.46	
MAX	0.53	1.22	1.60	1.51	1.65	3.01	1.89	1.25	0.68	0.55	0.52	0.49	3.01
MIN	0.45	0.49	0.62	0.79	0.79	0.79	0.70	0.65	0.55	0.50	0.46	0.45	0.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.08 M (A.D), AT 6.00 HOURS, ON SEP 25, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.50 M (A.D)
LEFT BANK ELEVATION 8.62 M (A.D)
RIGHT BANK ELEVATION 8.10 M (A.D), DRAINAGE AREA 142 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.30	7.00	7.60	3.98	5.85	3.98	3.20	1.08	0.45	0.33	0.28	
2	0.24	0.30	9.40	14.75	2.90	6.40	3.72	2.80	1.08	0.42	0.33	0.28	
3	0.24	0.36	4.50	14.50	4.24	12.75	3.46	2.30	0.90	0.42	0.33	0.26	
4	0.24	0.28	2.60	6.40	6.40	13.75	3.20	2.20	0.90	0.42	0.33	0.26	
5	0.22	0.30	2.00	9.20	3.85	5.70	2.70	2.20	0.84	0.42	0.33	0.24	
6	0.26	0.28	1.40	4.95	3.98	4.11	2.10	2.10	0.78	0.39	0.33	0.24	
7	0.24	0.28	1.02	2.10	3.72	2.90	1.80	1.90	0.78	0.39	0.33	0.24	
8	0.24	0.33	0.78	2.20	2.60	2.40	1.60	1.60	0.78	0.39	0.33	0.24	
9	0.24	0.48	0.78	2.30	10.00	2.10	1.30	1.50	0.72	0.39	0.33	0.22	
10	0.22	0.45	0.72	2.50	8.20	2.50	1.20	1.40	0.66	0.39	0.33	0.22	
11	0.22	0.39	0.90	5.10	11.40	10.20	1.20	1.20	0.60	0.39	0.30	0.24	
12	0.24	0.72	1.20	11.60	8.40	11.60	1.30	1.08	0.54	0.39	0.30	0.24	
13	0.24	1.60	0.96	7.80	5.55	14.75	7.60	1.20	0.57	0.39	0.30	0.24	
14	0.22	1.40	0.96	7.60	3.72	14.50	11.80	9.00	0.60	0.39	0.30	0.22	
15	0.20	0.96	2.60	4.65	3.33	38.75	5.85	5.70	0.57	0.36	0.28	0.22	
16	0.24	0.96	2.40	4.11	3.72	21.50	4.24	3.98	0.57	0.36	0.28	0.22	
17	0.26	1.40	1.50	2.80	5.55	56.00	26.15	4.65	0.54	0.36	0.26	0.22	
18	0.26	2.10	1.30	12.00	5.55	45.65	22.40	3.85	0.51	0.36	0.26	0.22	
19	0.26	1.80	1.40	8.20	4.65	16.25	13.25	3.10	0.51	0.33	0.26	0.22	
20	0.26	0.96	3.00	7.60	3.72	9.00	10.80	2.90	0.51	0.33	0.26	0.20	
21	0.26	0.84	2.90	4.50	5.10	8.60	11.00	2.50	0.51	0.33	0.24	0.22	
22	0.26	3.98	2.40	2.90	5.10	6.20	14.50	2.10	0.51	0.33	0.22	0.22	
23	0.26	2.60	3.85	3.72	3.85	6.60	12.25	1.80	0.51	0.33	0.24	0.22	
24	0.26	8.40	4.50	3.85	3.10	39.58	8.40	1.60	0.48	0.30	0.24	0.22	
25	0.30	3.85	3.59	3.00	2.40	81.72	6.40	1.30	0.48	0.30	0.24	0.22	
26	0.33	7.80	2.80	2.50	2.10	18.50	5.10	1.20	0.45	0.30	0.26	0.20	
27	0.30	5.25	2.60	2.20	2.60	10.00	5.70	1.08	0.45	0.30	0.36	0.20	
28	0.29	4.65	1.80	2.40	18.50	7.40	5.40	0.90	0.45	0.30	0.30	0.20	
29	0.36	3.60	2.50	10.80	12.50	5.85	5.85	1.20	0.45	0.30		0.20	
30	0.33	2.30	17.00	11.80	10.40	4.95	4.65	1.30	0.45	0.30		0.20	
31		7.40		6.00	5.85		3.85		0.45	0.33		0.22	
TOTAL	7.85	85.32	90.36	191.63	176.96	486.06	212.75	72.84	19.23	11.16	8.20	7.04	1349.40 CMSDAY
MEAN	0.26	2.11	3.01	6.18	5.71	16.20	6.86	2.43	0.62	0.36	0.29	0.23	3.70 CMS
MAX	0.39	8.40	17.00	14.75	18.50	81.72	26.15	9.00	1.08	0.45	0.36	0.28	81.72 CMS
MIN	0.20	0.28	0.72	2.10	2.10	2.10	1.20	0.90	0.45	0.30	0.22	0.20	0.20 CMS
RUNOFF	0.678	5.644	7.807	16.557	15.289	41.996	18.382	6.293	1.661	0.964	0.708	0.608	116.588 MCM

MOMENTARY PEAK 167.20 CMS, AT 4.08 M (A.D), AT 6.00 HOURS, ON SEP 25, 1985
RUNOFF YIELD 26.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1177.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

KHONG RIVER BASIN

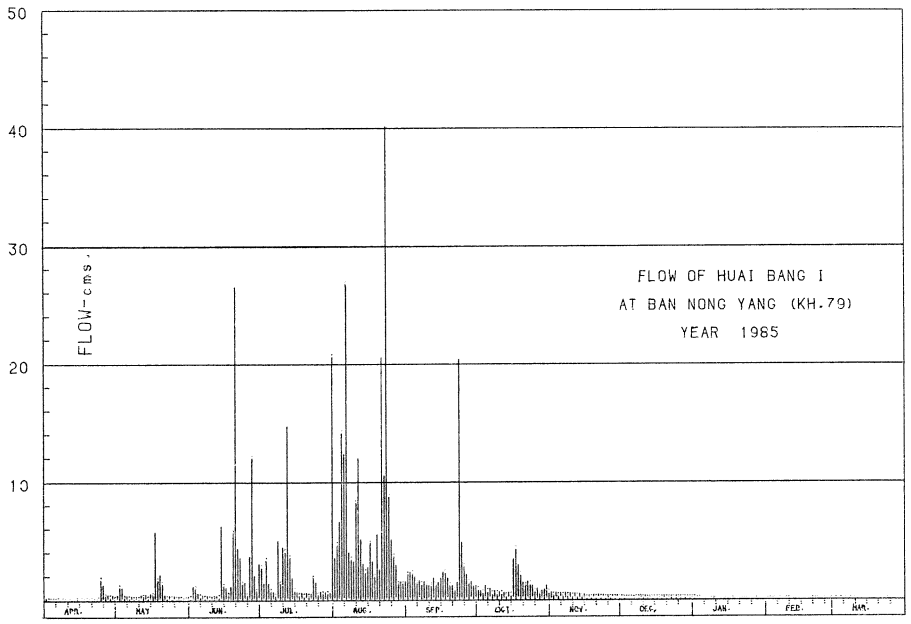
HUAI BANG I AT BAN NON YANG, MUK DAHAN (KH.79)

LOCATION	LAT.16-28-49 N., LONG. 104-20-08 E., ON RIGHT BANK. AT THE BRIDGE ON HIGHWAY, BAN NON YANG, AMPHOE KHAM CHA I, MUK DAHAN.
DRAINAGE AREA	110 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	AT ABUTMENT OF THE BRIDGE.
ELEVATION	+9.673 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	1984 TO DATE.
RATED BY FLOAT	-
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 31 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.75	0.82	0.80	1.14	1.20	1.08	0.95	0.89	0.80	0.78	0.73	0.72	
2	0.75	0.97	0.95	0.98	1.32	1.08	0.91	0.89	0.79	0.77	0.73	0.73	
3	0.75	0.94	0.96	1.20	1.47	1.09	0.92	0.88	0.78	0.76	0.73	0.73	
4	0.74	0.82	0.86	0.98	1.91	1.04	0.96	0.87	0.78	0.76	0.74	0.73	
5	0.75	0.80	0.85	0.93	1.80	1.01	0.93	0.87	0.78	0.75	0.74	0.73	
6	0.75	0.80	0.81	0.90	2.50	1.01	0.93	0.87	0.78	0.75	0.74	0.73	
7	0.75	0.79	0.81	0.86	1.24	1.00	0.91	0.87	0.79	0.75	0.74	0.73	
8	0.74	0.78	0.80	1.33	1.21	1.00	0.91	0.87	0.79	0.75	0.74	0.72	
9	0.74	0.78	0.79	1.00	1.17	1.00	0.91	0.86	0.80	0.75	0.74	0.73	
10	0.74	0.78	0.78	1.28	1.58	0.96	0.90	0.85	0.79	0.75	0.74	0.73	
11	0.74	0.82	0.80	1.27	1.78	0.99	0.91	0.85	0.78	0.75	0.74	0.73	
12	0.75	0.85	0.79	1.93	1.36	1.03	0.88	0.85	0.78	0.75	0.74	0.73	
13	0.75	0.84	0.83	1.22	1.15	0.99	0.87	0.84	0.78	0.75	0.74	0.73	
14	0.75	0.80	1.44	1.03	1.10	0.99	0.88	0.84	0.78	0.75	0.74	0.73	
15	0.75	0.85	0.98	0.94	1.12	1.06	0.89	0.82	0.78	0.75	0.74	0.73	
16	0.75	0.89	0.94	0.89	1.33	1.08	1.19	0.80	0.78	0.75	0.74	0.72	
17	0.75	1.40	0.89	0.88	1.17	1.10	1.29	0.80	0.78	0.75	0.74	0.72	
18	0.75	1.03	0.95	0.88	1.06	1.03	1.14	0.81	0.78	0.75	0.73	0.72	
19	0.75	1.06	1.41	0.86	1.38	0.99	1.08	0.81	0.78	0.74	0.73	0.72	
20	0.75	1.00	2.48	0.87	1.12	0.96	0.99	0.81	0.78	0.74	0.73	0.72	
21	0.75	0.82	1.29	0.86	2.21	0.94	0.99	0.82	0.78	0.74	0.73	0.72	
22	0.75	0.80	1.20	0.85	1.71	0.99	1.00	0.81	0.78	0.74	0.73	0.72	
23	0.77	0.80	1.00	1.05	2.97	2.21	1.00	0.81	0.78	0.74	0.73	0.72	
24	1.04	0.80	0.99	0.99	1.61	1.32	0.96	0.80	0.78	0.74	0.73	0.72	
25	0.97	0.79	0.87	0.89	1.34	1.15	0.93	0.80	0.78	0.74	0.73	0.72	
26	0.86	0.78	1.21	0.90	1.23	1.06	0.93	0.80	0.78	0.74	0.73	0.72	
27	0.83	0.78	1.79	0.91	1.14	1.01	0.91	0.80	0.78	0.74	0.73	0.72	
28	0.83	0.78	1.05	0.89	1.00	1.00	0.91	0.80	0.78	0.74	0.73	0.72	
29	0.82	0.75	0.93	0.91	1.00	0.99	0.96	0.80	0.78	0.74		0.72	
30	0.79	0.76	1.15	0.87	1.00	0.96	0.96	0.80	0.78	0.72		0.72	
31		0.78		2.22	1.00		0.92		0.78	0.73		0.72	
MEAN	0.78	0.85	1.05	1.06	1.43	1.07	0.96	0.83	0.78	0.75	0.74	0.72	
MAX	1.04	1.40	2.48	2.22	2.97	2.21	1.29	0.89	0.80	0.78	0.74	0.73	2.97
MIN	0.74	0.75	0.78	0.85	1.00	0.94	0.87	0.80	0.78	0.73	0.73	0.72	0.72

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.59 M (A.D), AT 11.00 HOURS, ON AUG 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.58 M (A.D)
LEFT BANK ELEVATION 8.11 M (A.D)
RIGHT BANK ELEVATION 8.14 M (A.D), DRAINAGE AREA 110 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.46	0.40	3.00	3.60	2.40	1.15	0.67	0.40	0.34	0.19	0.19	
2	0.25	1.33	1.15	1.42	4.92	2.40	0.79	0.67	0.37	0.31	0.19	0.19	
3	0.25	1.06	1.24	3.60	6.64	2.50	0.88	0.64	0.34	0.28	0.19	0.19	
4	0.22	0.46	0.58	1.42	14.38	2.00	1.24	0.61	0.34	0.28	0.22	0.19	
5	0.25	0.40	0.55	0.97	12.40	1.70	0.97	0.61	0.34	0.25	0.22	0.19	
6	0.25	0.40	0.43	0.70	27.00	1.70	0.97	0.61	0.34	0.25	0.22	0.19	
7	0.25	0.37	0.43	0.58	4.04	1.60	0.79	0.61	0.37	0.25	0.22	0.19	
8	0.22	0.34	0.40	5.03	3.71	1.60	0.79	0.61	0.37	0.25	0.22	0.19	
9	0.22	0.34	0.37	1.60	3.30	1.60	0.79	0.58	0.40	0.25	0.22	0.19	
10	0.22	0.34	0.34	4.48	8.44	1.24	0.70	0.55	0.37	0.25	0.22	0.19	
11	0.22	0.46	0.40	4.37	12.04	1.51	0.79	0.55	0.34	0.25	0.22	0.19	
12	0.25	0.55	0.37	14.74	5.36	1.90	0.64	0.55	0.34	0.25	0.22	0.19	
13	0.25	0.52	0.49	3.82	3.10	1.51	0.61	0.52	0.34	0.25	0.22	0.19	
14	0.25	0.40	6.28	1.90	2.60	1.51	0.64	0.52	0.34	0.25	0.22	0.19	
15	0.25	0.55	1.42	1.06	2.80	2.20	0.67	0.46	0.34	0.25	0.22	0.19	
16	0.25	0.67	1.06	0.67	5.03	2.40	3.50	0.40	0.34	0.25	0.22	0.16	
17	0.25	5.80	0.67	0.64	3.30	2.60	4.59	0.40	0.34	0.25	0.22	0.16	
18	0.25	1.90	1.15	0.64	2.20	1.90	3.00	0.43	0.34	0.25	0.19	0.16	
19	0.25	2.20	5.92	0.58	5.58	1.51	2.40	0.43	0.34	0.22	0.19	0.16	
20	0.25	1.60	26.56	0.61	2.80	1.24	1.51	0.43	0.34	0.22	0.19	0.16	
21	0.25	0.46	4.59	0.58	20.62	1.06	1.51	0.46	0.34	0.22	0.19	0.16	
22	0.25	0.40	3.60	0.55	10.78	1.51	1.60	0.43	0.34	0.22	0.19	0.16	
23	0.31	0.40	1.60	2.10	40.16	20.62	1.60	0.43	0.34	0.22	0.19	0.16	
24	2.00	0.40	1.51	1.51	8.98	4.92	1.24	0.40	0.34	0.22	0.19	0.16	
25	1.33	0.37	0.61	0.67	5.14	3.10	0.97	0.40	0.34	0.22	0.19	0.16	
26	0.58	0.34	3.71	0.70	3.93	2.20	0.97	0.40	0.34	0.22	0.19	0.16	
27	0.49	0.34	12.22	0.79	3.00	1.70	0.79	0.40	0.34	0.22	0.19	0.16	
28	0.49	0.34	2.10	0.67	1.60	1.60	0.79	0.40	0.34	0.22	0.19	0.16	
29	0.46	0.25	0.97	0.79	1.60	1.51	1.24	0.40	0.34	0.22		0.16	
30	0.37	0.28	3.10	0.61	1.60	1.24	1.24	0.40	0.34	0.19		0.16	
31		0.34		20.84	1.60		0.88		0.34	0.19		0.16	
TOTAL	11.38	24.07	84.22	81.64	232.25	76.48	40.25	14.97	10.78	7.51	5.74	5.41	594.70 CMSDAY
MEAN	0.38	0.78	2.81	2.63	7.49	2.55	1.30	0.50	0.35	0.24	0.21	0.17	1.63 CMS
MAX	2.00	5.80	26.56	20.84	40.16	20.62	4.59	0.67	0.40	0.34	0.22	0.19	40.16 CMS
MIN	0.22	0.25	0.34	0.55	1.60	1.06	0.61	0.40	0.34	0.19	0.19	0.16	0.16 CMS
RUNOFF	0.983	2.080	7.277	7.054	20.066	6.608	3.478	1.293	0.931	0.649	0.496	0.467	51.382 MCM

MOMENTARY PEAK 106.05 CMS, AT 4.59 M (A.D), AT 11.00 HOURS, ON AUG 23, 1985

RUNOFF YIELD 14.81 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 964.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

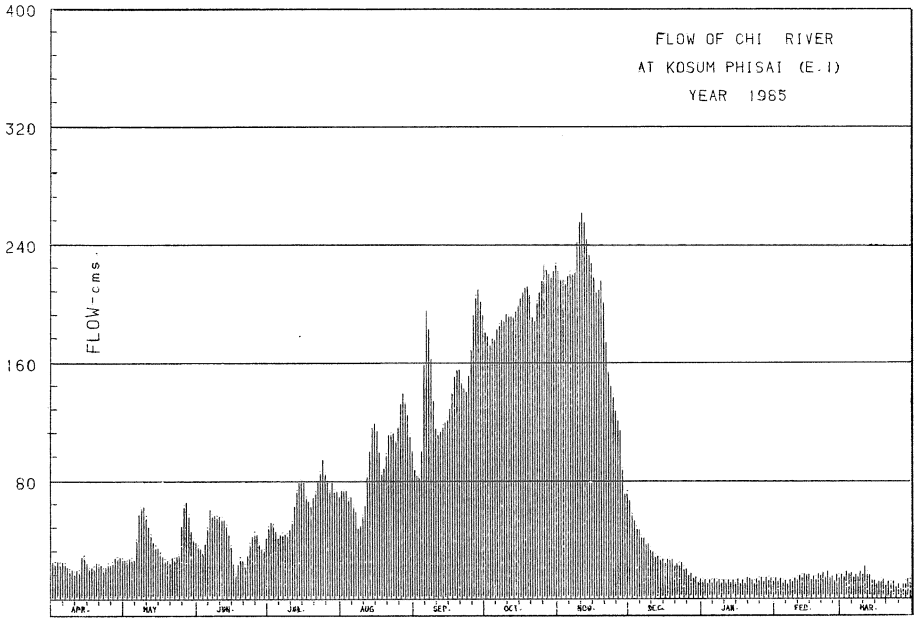
CHI RIVER AT KOSUM PHISAI, MAHA SARAKHAM (E.1)

LOCATION	LAT. 16-15-02 N., LONG. 103-04-25 E., ON RIGHT BANK AT WAT TAI KOSUM ABOUT 800 METERS NORTH-EAST OF AMPHOE KOSUM PHISAI OFFICE, MAHA SARAKHAM.
DRAINAGE AREA	29,788 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+136.64 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE GAGE SITE.
ELEVATION	+142.640 M. (M.S.L.)
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	1936-1943, 1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1973, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1973, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NAM PHONG DAM ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	137.27	137.30	137.50	137.72	138.12	138.39	139.63	140.12	138.01	137.00	137.01	137.07	
2	137.28	137.30	137.45	137.76	138.14	138.29	139.57	140.07	137.86	136.98	137.01	137.09	
3	137.28	137.32	137.43	137.75	138.12	138.30	139.52	140.05	137.78	136.98	137.00	137.12	
4	137.27	137.34	137.51	137.66	138.04	138.54	139.55	140.04	137.72	136.98	136.98	137.14	
5	137.27	137.30	137.71	137.62	138.05	139.35	139.56	140.08	137.68	136.98	136.96	137.10	
6	137.26	137.57	137.91	137.62	137.96	139.79	139.63	140.12	137.62	136.99	136.96	137.08	
7	137.19	137.85	137.86	137.65	137.88	139.66	139.68	140.09	137.58	136.99	136.98	137.07	
8	137.17	137.95	137.84	137.63	137.73	139.38	139.71	140.13	137.54	136.98	137.01	137.09	
9	137.15	137.94	137.84	137.64	137.72	139.05	139.72	140.34	137.51	136.97	137.01	137.12	
10	137.13	137.84	137.83	137.68	137.85	138.76	139.76	140.51	137.47	136.97	137.04	137.13	
11	137.14	137.71	137.83	137.78	137.95	138.72	139.76	140.56	137.41	136.97	137.05	137.20	
12	137.15	137.63	137.79	137.94	138.30	138.73	139.74	140.51	137.38	136.97	137.07	137.12	
13	137.34	137.53	137.74	138.13	138.54	138.80	139.75	140.36	137.35	136.97	137.08	137.06	
14	137.37	137.50	137.62	138.21	138.79	138.82	139.78	140.26	137.34	136.97	137.12	137.03	
15	137.25	137.46	137.50	138.25	138.81	138.87	139.85	140.18	137.31	136.97	137.07	136.96	
16	137.19	137.41	137.24	138.22	138.76	138.95	139.89	140.09	137.30	136.99	137.04	136.96	
17	137.19	137.35	137.09	138.06	138.53	139.11	139.96	139.94	137.31	136.97	137.04	136.94	
18	137.21	137.32	137.23	138.00	138.33	139.23	139.98	139.99	137.34	136.97	137.04	137.00	
19	137.26	137.30	137.35	137.98	138.37	139.31	140.01	140.04	137.31	136.98	137.08	136.98	
20	137.24	137.31	137.29	138.04	138.52	139.29	139.92	139.88	137.25	137.02	137.11	136.94	
21	137.22	137.34	137.24	138.12	138.70	139.20	139.75	139.52	137.24	137.06	137.10	136.94	
22	137.18	137.34	137.36	138.22	138.72	139.13	139.70	139.29	137.26	136.97	137.08	136.94	
23	137.19	137.35	137.53	138.34	138.71	139.13	139.87	139.15	137.26	136.97	137.12	136.94	
24	137.26	137.39	137.60	138.46	138.66	139.24	139.94	139.08	137.20	136.99	137.07	136.90	
25	137.22	137.72	137.66	138.33	138.77	139.48	140.06	138.93	137.16	137.02	137.04	136.88	
26	137.28	137.96	137.62	138.24	139.02	139.75	140.17	138.86	137.11	137.02	137.02	136.87	
27	137.33	137.99	137.53	138.13	139.09	139.92	140.15	138.74	137.09	137.01	137.07	136.88	
28	137.35	137.86	137.45	138.22	139.03	139.97	140.10	138.38	137.07	137.02	137.07	136.96	
29	137.34	137.66	137.45	138.14	138.89	139.89	140.09	138.08	137.03	137.03		136.99	
30	137.33	137.59	137.58	138.11	138.71	139.75	140.12	138.12	137.00	137.01		136.99	
31		137.53		138.09	138.54		140.18		136.99	137.01		136.99	
MEAN	137.24	137.55	137.55	137.99	138.43	139.16	139.84	139.72	137.37	136.99	137.04	137.02	
MAX	137.37	137.99	137.91	138.46	139.09	139.97	140.18	140.56	138.01	137.06	137.12	137.20	140.56
MIN	137.13	137.30	137.09	137.62	137.72	138.29	139.52	138.08	136.99	136.97	136.96	136.87	136.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 140.58 M (MSL), AT 6.00 HOURS, ON NOV 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 136.64 M (MSL), RIVER BED 136.40 M (MSL)
LEFT BANK ELEVATION 147.40 M (MSL)
RIGHT BANK ELEVATION 150.25 M (MSL), DRAINAGE AREA 29788 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.88	26.20	36.50	49.20	73.20	89.40	182.40	221.80	66.60	13.50	13.90	16.30	
2	25.32	26.20	33.75	51.60	74.40	83.40	177.60	217.60	57.60	12.80	13.90	17.10	
3	25.32	27.16	32.65	51.00	73.20	84.00	173.60	216.00	52.80	12.80	13.50	18.36	
4	24.88	28.12	37.07	45.68	68.40	99.80	176.00	215.20	49.20	12.80	12.80	19.22	
5	24.88	26.20	48.60	43.36	69.00	160.00	176.80	218.40	46.84	12.80	12.10	17.50	
6	24.44	40.49	60.60	43.36	63.60	195.20	182.40	221.80	43.36	13.15	12.10	16.70	
7	21.37	57.00	57.60	45.10	58.80	184.80	186.40	219.20	41.06	13.15	12.80	16.30	
8	20.51	63.00	56.40	43.94	49.80	162.40	188.80	222.70	38.78	12.80	13.90	17.10	
9	19.65	62.40	56.40	44.52	49.20	136.00	189.60	241.60	37.07	12.45	13.90	18.36	
10	18.79	56.40	55.80	46.84	57.00	115.20	192.80	256.90	34.85	12.45	15.10	18.79	
11	19.22	48.60	55.80	52.80	63.00	112.40	192.80	261.40	31.55	12.45	15.50	21.80	
12	19.65	43.94	53.40	62.40	84.00	113.10	191.20	256.90	30.04	12.45	16.30	18.36	
13	28.12	38.21	50.40	73.80	99.80	118.00	192.00	243.40	28.60	12.45	16.70	15.90	
14	29.56	36.50	43.36	78.60	117.30	119.40	194.40	234.40	28.12	12.45	18.36	14.70	
15	24.00	34.30	36.50	81.00	118.70	122.90	200.00	227.20	26.68	12.45	16.30	12.10	
16	21.37	31.55	23.56	79.20	115.20	128.50	203.20	219.20	26.20	13.15	15.10	12.10	
17	21.37	28.60	17.10	69.60	99.10	140.80	208.80	207.20	26.68	12.45	15.10	11.40	
18	22.24	27.16	23.12	66.00	85.80	150.40	210.40	211.20	28.12	12.45	15.10	13.50	
19	24.44	26.20	28.60	64.80	88.20	156.80	212.80	215.20	26.68	12.80	16.70	12.80	
20	23.56	26.68	25.76	68.40	98.40	155.20	205.60	202.40	24.00	14.30	17.93	11.40	
21	22.68	28.12	23.56	73.20	111.00	148.00	192.00	173.60	23.56	15.90	17.50	11.40	
22	20.94	28.12	29.08	79.20	112.40	142.40	188.00	155.20	24.44	12.45	16.70	11.40	
23	21.37	28.60	38.21	86.40	111.70	142.40	201.60	144.00	24.44	12.45	18.36	11.40	
24	24.44	30.52	42.20	94.20	108.20	151.20	207.20	138.40	21.80	13.15	16.30	10.00	
25	22.68	49.20	45.68	85.80	115.90	170.40	216.80	127.10	20.08	14.30	15.10	9.40	
26	25.32	63.60	43.36	80.40	133.60	192.00	226.30	122.20	17.93	14.30	14.30	9.10	
27	27.64	65.40	38.21	73.80	139.20	205.60	224.50	113.80	17.10	13.90	16.30	9.40	
28	28.60	57.60	33.75	79.20	134.40	209.60	220.00	88.80	16.30	14.30	16.30	12.10	
29	28.12	45.68	33.75	74.40	124.30	203.20	219.20	70.80	14.70	14.70		13.15	
30	27.64	41.63	41.06	72.60	111.70	192.00	221.80	73.20	13.50	13.90		13.15	
31		38.21		71.40	99.90		227.20		13.15	13.90		13.15	
TOTAL	713.00	1231.59	1201.83	2031.80	2908.30	4384.50	6182.20	5736.80	951.83	409.35	427.95	443.44	26622.59 CMSDAY
MEAN	23.77	39.73	40.06	65.54	93.82	146.15	199.43	191.23	30.70	13.20	15.28	14.30	72.94 CMS
MAX	29.56	65.40	60.60	94.20	139.20	209.60	227.20	261.40	66.60	15.90	18.36	21.80	261.40 CMS
MIN	18.79	26.20	17.10	43.36	49.20	83.40	173.60	70.80	13.15	12.45	12.10	9.10	9.10 CMS
RUNOFF	61.603	106.409	103.838	175.548	251.277	378.821	534.142	495.660	82.238	35.368	36.975	38.313	2300.192 MCM

MOMENTARY PEAK 263.20 CMS, AT 140.58 M (MSL), AT 6.00 HOURS, ON NOV 11, 1985

RUNOFF YIELD 2.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 8.84 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

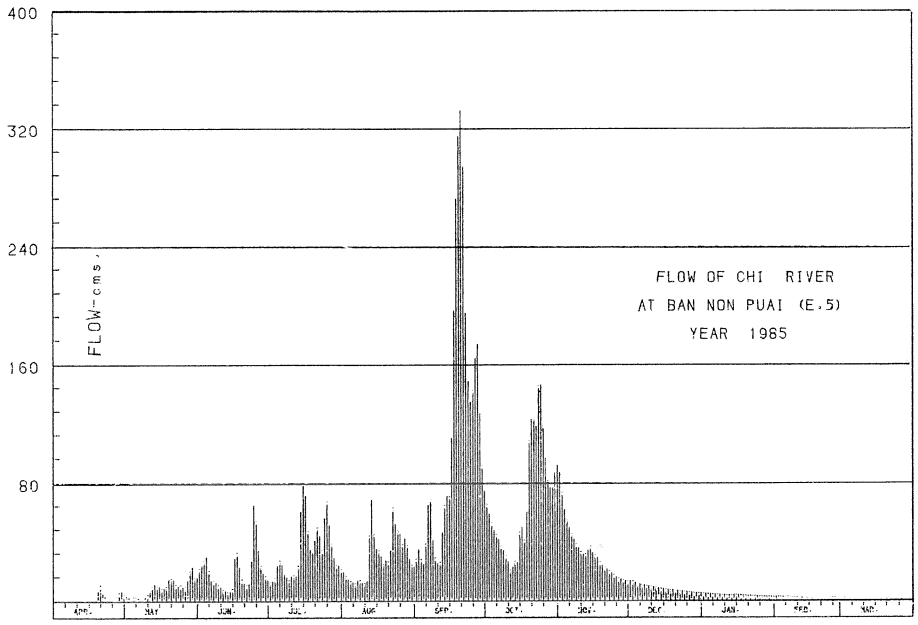
CHI RIVER NEAR BAN NON PUAI, CHAIYAPHUM (E.5)

LOCATION	LAT. 15-46-07 N., LONG. 101-49-03 E., ON LEFT BANK NEAR BAN NON PUAI ABOUT 30 METERS DOWNSTREAM FROM BAN TA NGO, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	4,254 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+186.07 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+197.543 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1967-1971, 1973, 1979, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	186.66	186.87	188.08	187.55	187.95	188.45	190.06	190.84	187.60	187.01	186.84	186.76	
2	186.65	186.80	188.18	187.58	187.81	188.78	189.81	190.38	187.58	187.00	186.85	186.76	
3	186.65	186.78	188.38	187.72	187.67	188.43	189.57	189.92	187.52	186.99	186.84	186.75	
4	186.65	186.83	188.51	188.20	187.60	188.25	189.36	189.64	187.47	186.98	186.83	186.74	
5	186.64	186.82	188.01	188.39	187.53	188.95	189.24	189.43	187.44	186.97	186.83	186.74	
6	186.63	186.77	187.60	188.22	187.49	190.04	189.08	189.25	187.42	186.96	186.83	186.74	
7	186.64	186.75	187.62	187.96	187.62	190.19	188.89	189.09	187.40	186.95	186.82	186.74	
8	186.65	186.73	187.53	187.76	187.64	189.07	188.73	188.94	187.37	186.95	186.81	186.74	
9	186.66	186.82	187.44	187.64	187.51	188.50	188.55	188.83	187.36	186.93	186.81	186.75	
10	186.67	186.97	187.31	187.79	187.50	188.28	188.34	188.69	187.33	186.93	186.81	186.74	
11	186.66	187.07	187.19	187.83	187.59	188.33	188.02	188.60	187.31	186.92	186.79	186.74	
12	186.63	187.35	187.12	187.80	189.20	189.30	188.13	188.62	187.30	186.92	186.78	186.74	
13	186.62	187.44	187.09	188.20	190.19	190.04	188.35	188.74	187.26	186.93	186.78	186.74	
14	186.62	187.35	187.09	189.87	189.24	190.28	188.31	188.87	187.24	186.93	186.77	186.72	
15	186.61	187.33	187.24	190.61	188.80	190.26	189.31	188.66	187.23	186.94	186.77	186.71	
16	186.60	187.25	188.46	190.29	188.74	191.55	189.44	188.59	187.20	186.93	186.77	186.72	
17	186.64	187.24	188.67	189.33	188.53	193.68	189.05	188.50	187.19	186.92	186.78	186.72	
18	186.67	187.34	188.14	188.76	188.25	195.14	189.86	188.32	187.17	186.91	186.77	186.72	
19	187.10	187.66	187.68	188.79	188.38	195.97	191.50	188.20	187.17	186.90	186.77	186.72	
20	187.43	187.71	187.49	189.05	188.35	196.27	191.90	188.13	187.15	186.89	186.79	186.71	
21	186.99	187.65	187.43	189.44	188.73	195.58	191.93	188.06	187.13	186.89	186.79	186.69	
22	186.85	187.43	187.46	189.19	189.98	193.60	191.77	187.99	187.12	186.89	186.79	186.69	
23	186.80	187.35	188.48	188.76	189.54	192.61	192.49	187.92	187.11	186.88	186.78	186.69	
24	186.82	187.42	190.04	189.70	189.35	192.21	192.51	187.85	187.09	186.87	186.78	186.69	
25	186.83	187.30	189.63	190.14	189.26	192.42	191.79	187.77	187.08	186.87	186.78	186.68	
26	186.78	187.34	188.73	189.50	188.93	192.92	191.15	187.71	187.07	186.86	186.78	186.68	
27	186.84	187.61	188.19	188.95	189.11	193.18	190.65	187.68	187.05	186.85	186.78	186.68	
28	187.05	187.99	187.91	188.48	188.90	192.00	190.49	187.64	187.04	186.85	186.77	186.68	
29	187.09	188.14	187.80	188.21	188.44	190.99	190.57	187.60	187.03	186.85		186.69	
30	186.96	187.76	187.64	188.20	188.22	190.41	190.83	187.57	187.03	186.84		186.69	
31		187.74		188.06	188.15		191.08		187.02	186.83		186.68	
MEAN	186.77	187.28	187.94	188.64	188.46	191.19	190.02	188.60	187.24	186.91	186.80	186.72	
MAX	187.43	188.14	190.04	190.61	190.19	196.27	192.51	190.84	187.60	187.01	186.85	186.76	196.27
MIN	186.60	186.73	187.09	187.55	187.49	188.25	188.02	187.57	187.02	186.83	186.77	186.68	186.60

ANNUAL MAX MOMENTARY GAGE HEIGHT 196.30 M (MSL), AT 13.00 HOURS, ON SEP 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 186.07 M (MSL), RIVER BED 186.07 M (MSL)
LEFT BANK ELEVATION 197.86 M (MSL)
RIGHT BANK ELEVATION 197.90 M (MSL), DRAINAGE AREA 4254 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	3.11	21.84	12.75	19.50	28.50	65.36	87.00	13.50	5.06	2.72	1.72	
2	0.50	2.20	23.64	13.20	16.98	35.00	58.86	73.68	13.20	4.92	2.85	1.72	
3	0.50	1.96	27.24	15.36	14.55	28.14	52.88	61.72	12.30	4.78	2.72	1.60	
4	0.50	2.59	29.60	24.00	13.50	24.90	47.84	54.56	11.58	4.63	2.59	1.48	
5	0.40	2.46	20.58	27.42	12.45	38.70	45.08	49.52	11.15	4.49	2.59	1.48	
6	0.30	1.84	13.50	24.36	11.86	64.84	41.56	45.30	10.87	4.35	2.59	1.48	
7	0.40	1.60	13.80	19.68	13.80	68.74	37.38	41.78	10.58	4.21	2.46	1.48	
8	0.50	1.36	12.45	16.08	14.10	41.34	34.00	38.48	10.16	4.21	2.33	1.48	
9	0.60	2.46	11.15	14.10	12.15	29.40	30.40	36.06	10.02	3.93	2.33	1.60	
10	0.70	4.49	9.31	16.62	12.00	25.44	26.52	33.20	9.59	3.93	2.33	1.48	
11	0.60	5.91	7.61	17.34	13.35	26.34	20.76	31.40	9.31	3.78	2.08	1.48	
12	0.30	9.88	6.62	16.80	44.20	46.40	22.74	31.80	9.17	3.78	1.96	1.48	
13	0.20	11.15	6.19	24.00	68.74	64.84	26.70	34.20	8.60	3.93	1.96	1.48	
14	0.20	9.88	6.19	60.42	45.08	71.08	25.98	36.94	8.32	3.93	1.84	1.24	
15	0.10	9.59	8.32	80.10	35.40	70.56	46.64	32.60	8.18	4.07	1.84	1.12	
16	0.00	8.46	28.68	71.34	34.20	110.20	49.76	31.20	7.75	3.93	1.84	1.24	
17	0.40	8.32	32.80	47.12	30.00	199.00	40.90	29.40	7.61	3.78	1.96	1.24	
18	0.70	9.73	22.92	34.60	24.90	272.42	60.16	26.16	7.33	3.64	1.84	1.24	
19	6.33	14.40	14.70	35.20	27.24	316.41	108.40	24.00	7.33	3.50	1.84	1.24	
20	11.01	15.18	11.86	40.90	26.70	332.31	123.00	22.74	7.04	3.37	2.08	1.12	
21	4.78	14.25	11.01	49.76	34.00	295.74	124.14	21.48	6.76	3.37	2.08	0.90	
22	2.85	11.01	11.43	43.98	63.28	195.00	118.12	20.22	6.62	3.37	2.08	0.90	
23	2.20	9.88	29.04	34.60	52.16	150.84	145.60	18.96	6.48	3.24	1.96	0.90	
24	2.46	10.87	64.84	56.00	47.60	134.78	146.44	17.70	6.19	3.11	1.96	0.90	
25	2.59	9.17	54.32	67.44	45.52	142.80	118.84	16.26	6.05	3.11	1.96	0.80	
26	1.96	9.73	34.00	51.20	38.26	164.48	96.80	15.18	5.91	2.98	1.96	0.80	
27	2.72	13.65	23.82	38.70	42.22	175.92	81.30	14.70	5.63	2.85	1.96	0.80	
28	5.63	20.22	18.78	29.04	37.60	126.80	76.72	14.10	5.48	2.85	1.84	0.80	
29	6.19	22.92	16.80	24.18	28.32	91.68	78.96	13.50	5.34	2.85		0.90	
30	4.35	16.08	14.10	24.00	24.36	74.48	86.70	13.05	5.34	2.72		0.90	
31		15.72		21.48	23.10		94.56		5.20	2.59		0.80	
TOTAL	60.57	280.07	607.14	1051.77	927.12	3447.08	2133.10	986.89	258.59	115.26	60.55	37.80	9965.94 CMSDAY
MEAN	2.02	9.03	20.24	33.93	29.91	114.90	68.81	32.90	8.34	3.72	2.16	1.22	27.30 CMS
MAX	11.01	22.92	64.84	80.10	68.74	332.31	146.44	87.00	13.50	5.06	2.85	1.72	332.31 CMS
MIN	0.00	1.36	6.19	12.75	11.86	24.90	20.76	13.05	5.20	2.59	1.84	0.80	0.00 CMS
RUNOFF	5.233	24.198	52.457	90.873	80.103	297.828	184.300	85.267	22.342	9.958	5.232	3.266	861.057 MCM

MOMENTARY PEAK 333.90 CMS, AT 196.30 M (MSL), AT 13.00 HOURS, ON SEP 20, 1985

RUNOFF YIELD 6.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 78.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

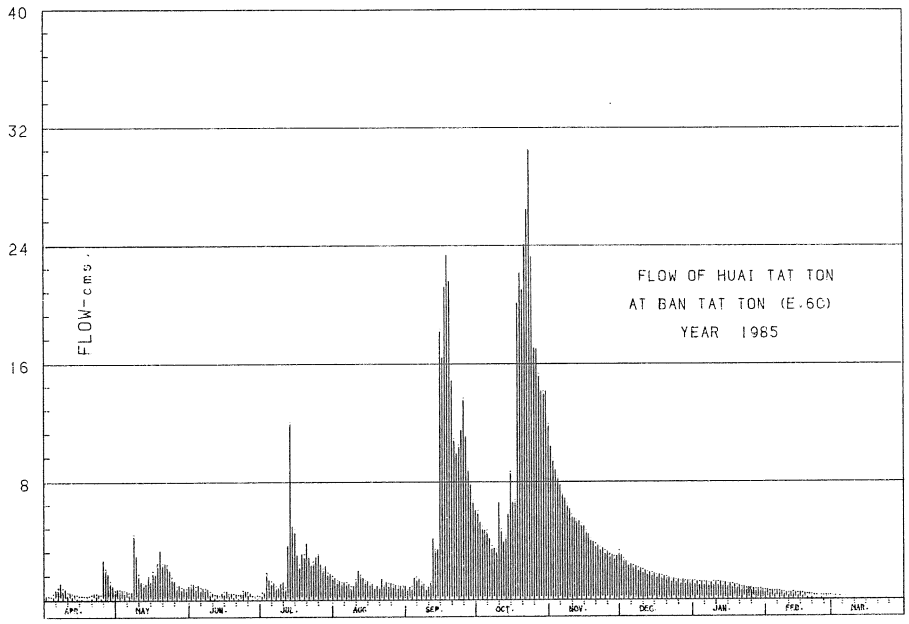
HUAI TAT TON AT BAN TAT TON, CHAIYAPHUM (E.6C).

LOCATION	LAT. 15-57-36 N., LONG. 102-01-57 E., ON RIGHT BANK ABOUT 5 KILOMETERS UPSTREAM FROM E.6A STATION AT BAN TAT TON, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	300 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+6.840 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	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.29	0.36	0.41	0.33	0.47	0.38	1.04	1.49	0.69	0.44	0.35	0.28	
2	0.29	0.36	0.41	0.32	0.45	0.38	0.95	1.41	0.66	0.43	0.34	0.28	
3	0.28	0.35	0.39	0.52	0.44	0.39	0.92	1.33	0.63	0.43	0.34	0.28	
4	0.32	0.35	0.40	0.45	0.43	0.47	0.89	1.29	0.62	0.43	0.34	0.27	
5	0.35	0.34	0.38	0.44	0.43	0.48	0.89	1.23	0.60	0.43	0.34	0.27	
6	0.38	0.33	0.37	0.42	0.43	0.46	0.83	1.18	0.59	0.43	0.34	0.27	
7	0.42	0.33	0.37	0.39	0.41	0.43	0.77	1.13	0.58	0.42	0.33	0.27	
8	0.37	0.86	0.36	0.37	0.39	0.41	0.75	1.09	0.57	0.42	0.33	0.26	
9	0.36	0.68	0.34	0.41	0.39	0.39	0.74	1.05	0.56	0.43	0.32	0.26	
10	0.33	0.51	0.32	0.43	0.46	0.38	1.10	1.01	0.55	0.43	0.32	0.27	
11	0.33	0.43	0.31	0.38	0.54	0.44	0.90	0.98	0.54	0.43	0.32	0.27	
12	0.32	0.42	0.31	0.77	0.50	0.83	0.80	0.97	0.53	0.43	0.33	0.27	
13	0.31	0.41	0.30	1.64	0.47	0.74	0.85	0.96	0.52	0.42	0.32	0.28	
14	0.31	0.49	0.32	0.92	0.45	0.74	1.01	0.94	0.52	0.42	0.32	0.28	
15	0.30	0.43	0.34	0.90	0.44	2.17	1.32	0.92	0.51	0.41	0.32	0.26	
16	0.30	0.54	0.34	0.69	0.43	2.01	1.10	0.89	0.50	0.41	0.32	0.24	
17	0.29	0.50	0.32	0.60	0.41	2.41	1.12	0.86	0.50	0.41	0.31	0.24	
18	0.29	0.61	0.32	0.70	0.40	2.56	2.31	0.83	0.49	0.40	0.31	0.24	
19	0.30	0.73	0.32	0.70	0.39	2.44	2.48	0.80	0.48	0.40	0.31	0.24	
20	0.31	0.61	0.31	0.79	0.40	1.88	2.38	0.79	0.48	0.39	0.31	0.23	
21	0.32	0.61	0.31	0.69	0.46	1.54	2.63	0.77	0.47	0.38	0.30	0.23	
22	0.32	0.60	0.31	0.59	0.42	1.44	2.79	0.76	0.46	0.38	0.29	0.23	
23	0.31	0.54	0.35	0.63	0.43	1.50	3.09	0.75	0.46	0.37	0.29	0.22	
24	0.31	0.48	0.34	0.67	0.42	1.59	2.55	0.73	0.45	0.37	0.29	0.21	
25	0.64	0.44	0.34	0.72	0.42	1.78	2.08	0.72	0.45	0.37	0.29	0.21	
26	0.56	0.39	0.32	0.60	0.41	1.55	2.06	0.70	0.44	0.36	0.29	0.21	
27	0.51	0.40	0.30	0.56	0.40	1.34	1.92	0.69	0.45	0.36	0.29	0.24	
28	0.44	0.38	0.28	0.59	0.40	1.23	1.82	0.68	0.44	0.36	0.29	0.23	
29	0.39	0.37	0.30	0.52	0.39	1.12	1.82	0.68	0.44	0.36		0.22	
30	0.35	0.37	0.30	0.51	0.39	1.04	1.82	0.73	0.44	0.35		0.22	
31		0.39		0.49	0.39		1.63		0.44	0.35		0.22	
MEAN	0.35	0.47	0.34	0.60	0.43	1.15	1.53	0.95	0.52	0.40	0.32	0.25	
MAX	0.64	0.86	0.41	1.64	0.54	2.56	3.09	1.49	0.69	0.44	0.35	0.28	3.09
MIN.	0.28	0.33	0.28	0.32	0.39	0.38	0.74	0.68	0.44	0.35	0.29	0.21	0.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.12 M (A.D), AT 12.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.23 M (A.D)
LEFT BANK ELEVATION 7.65 M (A.D)
RIGHT BANK ELEVATION 7.00 M (A.D), DRAINAGE AREA 300 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.27	0.72	1.07	0.51	1.49	0.86	6.06	10.40	3.03	1.28	0.65	0.24	
2	0.27	0.72	1.07	0.44	1.35	0.86	5.25	9.60	2.82	1.21	0.58	0.24	
3	0.24	0.65	0.93	1.84	1.28	0.93	4.98	8.80	2.61	1.21	0.58	0.24	
4	0.44	0.65	1.00	1.35	1.21	1.49	4.71	8.40	2.54	1.21	0.58	0.21	
5	0.65	0.58	0.86	1.28	1.21	1.56	4.71	7.80	2.40	1.21	0.58	0.21	
6	0.86	0.51	0.79	1.14	1.21	1.42	4.17	7.32	2.33	1.21	0.58	0.21	
7	1.14	0.51	0.79	0.93	1.07	1.21	3.66	6.87	2.26	1.14	0.51	0.21	
8	0.79	4.44	0.72	0.79	0.93	1.07	3.50	6.51	2.19	1.14	0.51	0.18	
9	0.72	2.96	0.58	1.07	0.93	0.93	3.42	6.15	2.12	1.21	0.44	0.18	
10	0.51	1.77	0.44	1.21	1.42	0.86	6.60	5.79	2.05	1.21	0.44	0.21	
11	0.51	1.21	0.37	0.86	1.98	1.28	4.80	5.52	1.98	1.21	0.44	0.21	
12	0.44	1.14	0.37	3.66	1.70	4.17	3.90	5.43	1.91	1.21	0.51	0.21	
13	0.37	1.07	0.30	12.04	1.49	3.42	4.35	5.34	1.84	1.14	0.44	0.24	
14	0.37	1.63	0.44	4.98	1.35	3.42	5.79	5.16	1.84	1.14	0.44	0.24	
15	0.30	1.21	0.58	4.80	1.28	18.34	8.70	4.98	1.77	1.07	0.44	0.18	
16	0.30	1.98	0.58	3.03	1.21	16.42	6.60	4.71	1.70	1.07	0.44	0.12	
17	0.27	1.70	0.44	2.40	1.07	21.43	6.78	4.44	1.70	1.07	0.37	0.12	
18	0.27	2.47	0.44	3.10	1.00	23.38	20.13	4.17	1.63	1.00	0.37	0.12	
19	0.30	3.34	0.44	3.10	0.93	21.82	22.34	3.90	1.56	1.00	0.37	0.12	
20	0.37	2.47	0.37	3.82	1.00	14.86	21.04	3.82	1.56	0.93	0.37	0.09	
21	0.44	2.47	0.37	3.03	1.42	10.94	24.29	3.66	1.49	0.86	0.30	0.09	
22	0.44	2.40	0.37	2.33	1.14	9.90	26.46	3.58	1.42	0.86	0.27	0.09	
23	0.37	1.98	0.65	2.61	1.21	10.50	30.66	3.50	1.42	0.79	0.27	0.06	
24	0.37	1.56	0.58	2.89	1.14	11.49	23.25	3.34	1.35	0.79	0.27	0.03	
25	2.68	1.28	0.58	3.26	1.14	13.66	17.26	3.26	1.35	0.79	0.27	0.03	
26	2.12	0.93	0.44	2.40	1.07	11.05	17.02	3.10	1.28	0.72	0.27	0.03	
27	1.77	1.00	0.30	2.12	1.00	8.90	15.34	3.03	1.35	0.72	0.27	0.12	
28	1.28	0.86	0.24	2.30	1.00	7.80	14.14	2.96	1.28	0.72	0.27	0.09	
29	0.93	0.79	0.30	1.84	0.93	6.78	14.14	2.96	1.28	0.72		0.06	
30	0.65	0.79	0.30	1.77	0.93	6.06	14.14	3.34	1.28	0.65		0.06	
31		0.93		1.63	0.93		11.93		1.28	0.65		0.06	
TOTAL	20.44	46.72	16.71	78.53	37.02	236.81	360.12	157.84	56.62	31.14	11.83	4.50	1058.28 CMSDAY
MEAN	0.68	1.51	0.56	2.53	1.19	7.89	11.62	5.26	1.83	1.00	0.42	0.15	2.90 CMS
MAX	2.68	4.44	1.07	12.04	1.98	23.38	30.66	10.40	3.03	1.28	0.65	0.24	30.66 CMS
MIN	0.24	0.51	0.24	0.44	0.93	0.86	3.42	2.96	1.28	0.65	0.27	0.03	0.03 CMS
RUNOFF	1.766	4.037	1.444	6.785	3.199	20.460	31.114	13.637	4.892	2.690	1.022	0.389	91.435 MCM

MOMENTARY PEAK 31.08 CMS, AT 3.12 M (A.D), AT 12.00 HOURS, ON OCT 23, 1985
RUNOFF YIELD 9.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 103.60 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

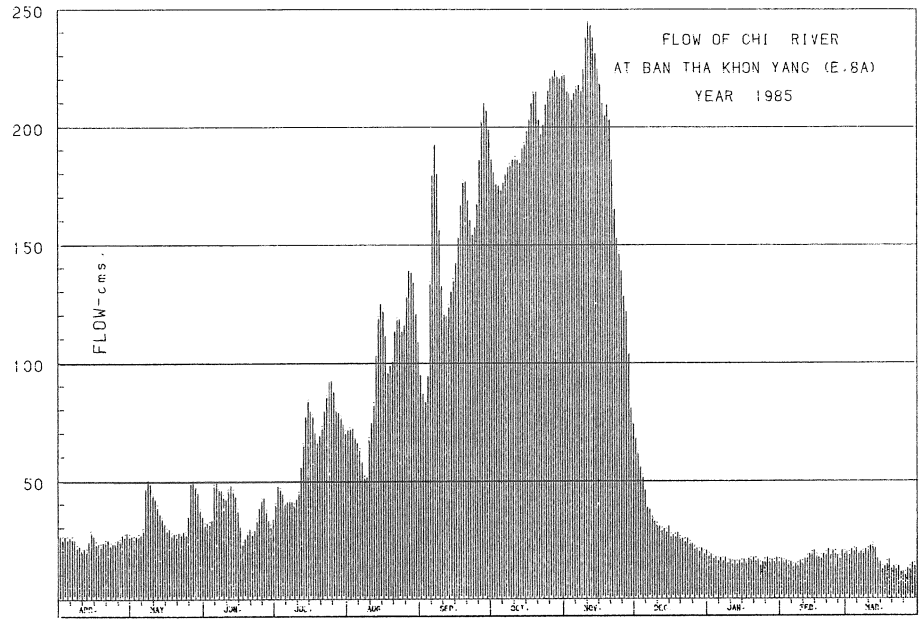
CHI RIVER AT BAN THA KHON YANG, MAHA SARAKHAM (E.8A)

LOCATION	LAT. 16-13-51 N., LONG. 103-16-29 E., ON RIGHT BANK AT THE BRIDGE OF MAHA SARAKHAM-KALASIN HIGHWAY, TAMBON THA KHON YANG, AMPHOE KANTHARAWICHAI, MAHA SARAKHAM.
DRAINAGE AREA	30,764 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+133.21 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+144.420 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1955-1957, 1965-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1955-1957, 1965-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NAM PHONG DAM ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.27	134.27	134.38	134.54	135.08	135.48	136.91	137.42	135.02	134.13	134.08	134.14	
2	134.27	134.27	134.38	134.67	135.10	135.33	136.81	137.34	134.93	134.12	134.07	134.14	
3	134.27	134.27	134.39	134.66	135.09	135.29	136.75	137.31	134.81	134.11	134.06	134.16	
4	134.27	134.29	134.40	134.61	135.04	135.45	136.72	137.29	134.76	134.10	134.05	134.17	
5	134.26	134.28	134.69	134.55	134.99	136.08	136.71	137.31	134.64	134.09	134.05	134.17	
6	134.27	134.34	134.70	134.55	134.95	136.79	136.74	137.35	134.52	134.09	134.03	134.15	
7	134.24	134.65	134.66	134.57	134.85	137.00	136.81	137.36	134.49	134.09	134.03	134.14	
8	134.20	134.74	134.64	134.55	134.75	136.80	136.84	137.34	134.43	134.09	134.04	134.15	
9	134.19	134.69	134.61	134.54	134.74	136.44	136.87	137.46	134.39	134.07	134.06	134.16	
10	134.17	134.62	134.57	134.57	135.03	136.05	136.89	137.66	134.38	134.07	134.06	134.17	
11	134.17	134.57	134.65	134.63	135.13	135.88	136.91	137.75	134.35	134.06	134.08	134.19	
12	134.17	134.53	134.68	134.81	135.27	135.85	136.89	137.74	134.34	134.06	134.11	134.21	
13	134.23	134.45	134.65	134.99	135.59	135.93	136.89	137.65	134.33	134.06	134.12	134.17	
14	134.32	134.43	134.59	135.17	135.85	136.01	136.96	137.57	134.33	134.06	134.14	134.11	
15	134.27	134.37	134.50	135.29	135.93	136.10	137.00	137.46	134.35	134.07	134.15	134.05	
16	134.23	134.34	134.35	135.21	135.90	136.20	137.07	137.38	134.29	134.07	134.12	134.01	
17	134.21	134.33	134.23	135.19	135.72	136.39	137.16	137.25	134.28	134.06	134.09	134.01	
18	134.21	134.30	134.25	135.06	135.49	136.59	137.25	137.19	134.29	134.08	134.11	134.06	
19	134.22	134.29	134.31	135.01	135.52	136.76	137.32	137.24	134.30	134.09	134.12	134.07	
20	134.24	134.29	134.33	135.04	135.57	136.75	137.32	137.16	134.27	134.09	134.14	134.02	
21	134.24	134.30	134.31	135.11	135.75	136.64	137.15	136.89	134.25	134.09	134.16	134.01	
22	134.22	134.31	134.32	135.21	135.84	136.49	137.05	136.58	134.25	134.07	134.14	134.01	
23	134.21	134.31	134.42	135.32	135.83	136.41	137.13	136.37	134.25	134.05	134.15	134.01	
24	134.23	134.31	134.50	135.41	135.77	136.44	137.24	136.28	134.23	134.05	134.15	133.99	
25	134.24	134.43	134.58	135.44	135.79	136.61	137.34	136.15	134.21	134.08	134.11	133.96	
26	134.25	134.71	134.58	135.34	135.99	136.89	137.40	136.00	134.19	134.09	134.11	133.96	
27	134.28	134.70	134.49	135.23	136.15	137.14	137.43	135.88	134.17	134.07	134.15	133.99	
28	134.29	134.68	134.40	135.20	136.16	137.25	137.45	135.62	134.17	134.07	134.15	134.01	
29	134.30	134.62	134.37	135.18	136.07	137.22	137.43	135.23	134.17	134.07		134.04	
30	134.29	134.50	134.41	135.12	135.88	137.08	137.40	135.14	134.15	134.09		134.04	
31		134.43		135.08	135.68		137.43		134.15	134.08		134.04	
MEAN	134.24	134.44	134.48	134.96	135.50	136.38	137.07	136.95	134.38	134.08	134.10	134.08	
MAX	134.32	134.74	134.70	135.44	136.16	137.25	137.45	137.75	135.02	134.13	134.16	134.21	137.75
MIN	134.17	134.27	134.23	134.54	134.74	135.29	136.71	135.14	134.15	134.05	134.03	133.96	133.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 137.76 M (MSL), AT 24.00 HOURS, ON NOV 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 133.21 M (MSL), RIVER BED 133.35 M (MSL)
LEFT BANK ELEVATION 143.45 M (MSL)
RIGHT BANK ELEVATION 143.95 M (MSL), DRAINAGE AREA 30764 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	26.44	26.44	32.16	40.56	71.40	96.16	187.37	221.90	67.80	19.30	16.88	19.80	
2	26.44	26.44	32.16	47.58	72.60	86.86	180.67	216.30	62.54	18.80	16.42	19.80	
3	26.44	26.44	32.68	47.04	72.00	84.38	176.85	214.20	55.58	18.30	15.96	20.80	
4	26.44	27.48	33.20	44.34	69.00	94.30	174.96	212.83	52.68	17.80	15.50	21.30	
5	25.92	26.96	48.66	41.10	66.02	134.48	174.33	214.20	45.96	17.34	15.50	21.30	
6	26.44	30.08	49.20	41.10	63.70	179.37	176.22	217.00	40.02	17.34	14.58	20.30	
7	24.88	46.50	47.04	42.18	57.90	193.40	180.67	217.70	37.88	17.34	14.58	19.80	
8	22.80	51.52	45.96	41.10	52.10	180.00	182.68	216.30	34.76	17.34	15.04	20.30	
9	22.30	48.66	44.34	40.56	51.52	157.32	184.69	224.70	32.68	16.42	15.96	20.80	
10	21.30	44.88	42.18	42.18	68.40	132.55	186.03	238.70	32.16	16.42	15.96	21.30	
11	21.30	42.18	46.50	45.42	74.46	121.61	187.37	245.00	30.60	15.96	16.88	22.30	
12	21.30	40.02	48.12	55.58	83.14	119.68	186.03	244.30	30.08	15.96	18.30	23.32	
13	24.36	35.80	46.50	66.02	102.98	124.83	186.03	238.00	29.56	15.96	18.80	21.30	
14	29.04	34.76	43.26	76.94	119.68	129.98	190.72	232.40	29.56	15.96	19.80	18.30	
15	26.44	31.64	38.40	84.38	124.83	135.77	193.40	224.70	30.60	16.42	20.30	15.50	
16	24.36	30.08	30.60	79.42	122.90	142.20	198.09	219.10	27.48	16.42	18.80	13.66	
17	23.32	29.56	24.36	78.18	111.32	154.17	204.12	210.15	26.96	15.96	17.34	13.66	
18	23.32	28.00	25.40	70.20	96.78	166.77	210.15	206.13	27.48	16.88	18.30	15.96	
19	23.84	27.48	28.52	67.20	98.64	177.48	214.90	209.48	28.00	17.34	18.80	16.42	
20	24.88	27.48	29.56	69.00	101.74	176.85	214.90	204.12	26.44	17.34	19.80	14.12	
21	24.88	28.00	28.52	73.22	113.25	169.92	203.45	186.03	25.40	17.34	20.80	13.66	
22	23.84	28.52	29.04	79.42	119.04	160.47	196.75	166.14	25.40	16.42	19.80	13.66	
23	23.32	28.52	34.24	86.24	118.40	155.43	202.11	152.91	25.40	15.50	20.30	13.66	
24	24.36	28.52	38.40	91.82	114.54	157.32	209.48	147.24	24.36	15.50	20.30	12.74	
25	24.88	34.76	42.72	93.68	115.82	168.03	216.30	138.98	23.32	16.88	18.30	11.36	
26	25.40	49.78	42.72	87.48	128.69	186.03	220.50	129.33	22.30	17.34	18.30	11.36	
27	26.96	49.20	37.88	80.66	138.98	202.78	222.60	121.61	21.30	16.42	20.30	12.74	
28	27.48	48.66	33.20	78.80	139.63	210.15	224.00	104.89	21.30	16.42	20.30	13.66	
29	28.00	44.88	31.64	77.56	133.84	208.14	222.60	80.66	21.30	16.42		15.04	
30	27.48	38.40	33.72	73.84	121.61	198.76	220.50	75.08	20.30	17.34		15.04	
31		34.76		71.40	108.75		222.60		20.30	16.88		15.04	
TOTAL	748.16	1096.40	1120.88	2014.20	3033.66	4605.19	6151.07	5730.08	999.50	523.06	501.90	528.00	27052.10 CMSDAY
MEAN	24.94	35.37	37.36	64.97	97.86	153.51	198.42	191.00	32.24	16.87	17.92	17.03	74.12 CMS
MAX	29.04	51.52	49.20	93.68	139.63	210.15	224.00	245.00	67.80	19.30	20.80	23.32	245.00 CMS
MIN	21.30	26.44	24.36	40.56	51.52	84.38	174.33	75.08	20.30	15.50	14.58	11.36	11.36 CMS
RUNOFF	64.641	94.729	96.844	174.027	262.108	397.888	531.452	495.079	86.357	45.192	43.364	45.619	2337.302 MCM

MOMENTARY PEAK 245.70 CMS, AT 137.76 M (MSL), AT 24.00 HOURS, ON NOV 11, 1985

RUNOFF YIELD 2.41 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 7.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

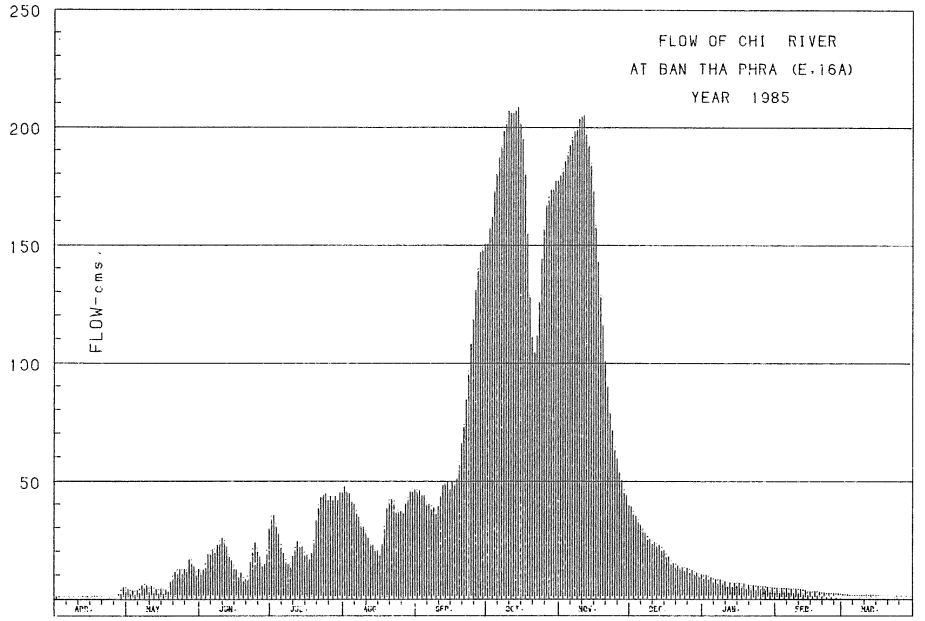
CHI RIVER AT BAN THA PHRA, KHON KAEN (E.16A)

LOCATION	LAT. 16-21-14 N., LONG. 102-45-09 E., ON LEFT BANK ABOUT 400 METERS UPSTREAM FROM THE BRIDGE OF KHON KAEN-MAHA SARAKHAM HIGHWAY, TAMBON DON HAN, AMPHOE MUANG, KHON KAEN.
DRAINAGE AREA	13,171 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+142.94 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE RAILWAY BRIDGE.
ELEVATION	+157.566 M. (M.S.L.)
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	1963, 1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1963, 1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	142.83	143.18	143.64	144.43	144.74	144.71	146.57	146.94	144.53	143.54	143.22	142.96	
2	142.82	143.14	143.65	144.44	144.72	144.70	146.64	146.98	144.48	143.54	143.21	142.95	
3	142.82	143.11	143.78	144.35	144.67	144.69	146.72	147.02	144.43	143.52	143.21	142.95	
4	142.82	143.11	143.94	144.22	144.62	144.65	146.85	147.07	144.39	143.49	143.21	142.93	
5	142.81	143.12	144.01	144.09	144.56	144.58	146.96	147.11	144.33	143.46	143.21	142.92	
6	142.80	143.19	144.02	143.96	144.49	144.56	147.04	147.15	144.28	143.45	143.20	142.92	
7	142.80	143.28	144.03	143.85	144.42	144.54	147.11	147.18	144.23	143.44	143.19	142.92	
8	142.81	143.33	144.08	143.77	144.34	144.52	147.18	147.20	144.19	143.44	143.19	142.92	
9	142.82	143.29	144.14	143.79	144.30	144.49	147.23	147.24	144.16	143.42	143.19	142.92	
10	142.83	143.23	144.17	143.91	144.26	144.53	147.28	147.27	144.14	143.40	143.18	142.92	
11	142.85	143.27	144.14	144.05	144.17	144.67	147.29	147.26	144.12	143.38	143.17	142.94	
12	142.84	143.22	144.06	144.13	144.12	144.75	147.27	147.18	144.10	143.37	143.15	142.92	
13	142.84	143.16	143.94	144.11	144.08	144.79	147.30	147.10	144.08	143.37	143.12	142.94	
14	142.83	143.17	143.84	144.06	144.05	144.78	147.30	147.01	144.05	143.36	143.08	142.94	
15	142.83	143.19	143.75	143.98	144.00	144.74	147.23	146.85	144.01	143.36	143.07	142.92	
16	142.83	143.15	143.65	143.93	143.98	144.78	147.14	146.66	143.95	143.36	143.07	142.92	
17	142.87	143.14	143.58	143.93	144.09	144.78	146.96	146.44	143.90	143.35	143.09	142.91	
18	142.86	143.24	143.59	143.96	144.31	144.81	146.61	146.23	143.83	143.34	143.08	142.90	
19	142.84	143.39	143.49	144.14	144.51	144.97	146.23	146.03	143.79	143.31	143.05	142.91	
20	142.83	143.52	143.45	144.38	144.60	145.14	145.95	145.80	143.77	143.30	143.03	142.90	
21	142.83	143.60	143.52	144.55	144.61	145.30	145.86	145.60	143.74	143.30	143.02	142.89	
22	142.83	143.65	143.81	144.63	144.59	145.51	145.96	145.42	143.73	143.29	143.00	142.89	
23	142.83	143.66	144.03	144.69	144.46	145.71	146.20	145.25	143.70	143.28	143.01	142.88	
24	142.88	143.65	144.11	144.67	144.50	145.90	146.46	145.11	143.70	143.27	143.01	142.88	
25	142.87	143.66	144.04	144.64	144.48	146.09	146.65	145.00	143.69	143.26	143.00	142.88	
26	142.91	143.70	143.90	144.64	144.50	146.26	146.77	144.90	143.66	143.26	142.99	142.88	
27	142.96	143.85	143.80	144.64	144.56	146.40	146.82	144.80	143.64	143.26	142.99	142.87	
28	143.15	143.85	143.77	144.64	144.63	146.50	146.86	144.71	143.62	143.24	142.98	142.87	
29	143.23	143.72	144.01	144.64	144.69	146.53	146.88	144.65	143.59	143.23		142.87	
30	143.23	143.61	144.28	144.68	144.72	146.55	146.91	144.58	143.57	143.23		142.87	
31		143.66		144.72	144.71		146.93		143.55	143.22		142.87	
MEAN	142.88	143.39	143.87	144.28	144.43	145.16	146.81	146.26	143.97	143.36	143.10	142.91	
MAX	143.23	143.85	144.28	144.72	144.74	146.55	147.30	147.27	144.53	143.54	143.22	142.96	147.30
MIN	142.80	143.11	143.45	143.77	143.98	144.49	145.86	144.58	143.55	143.22	142.98	142.87	142.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 147.31 M (MSL), AT 24.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 142.94 M (MSL), RIVER BED 137.40 M (MSL)
LEFT BANK ELEVATION 156.05 M (MSL)
RIGHT BANK ELEVATION 156.15 M (MSL), DRAINAGE AREA 13171 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.15	4.30	12.30	35.20	47.80	46.45	151.90	179.50	39.20	10.30	4.80	2.10	
2	1.10	3.90	12.50	35.60	46.90	46.00	157.00	182.50	37.20	10.30	4.65	2.00	
3	1.10	3.60	15.10	32.25	44.80	45.60	163.00	185.50	35.20	9.90	4.65	2.00	
4	1.10	3.60	19.00	27.70	42.80	44.00	172.75	189.25	33.65	9.30	4.65	1.80	
5	1.05	3.70	20.80	23.20	40.40	41.20	181.00	192.35	31.55	8.70	4.65	1.70	
6	1.00	4.40	21.10	19.50	37.60	40.40	187.00	195.75	29.80	8.50	4.50	1.70	
7	1.00	5.70	21.40	16.75	34.80	39.60	192.35	198.30	28.05	8.30	4.40	1.70	
8	1.05	6.45	22.90	14.90	31.90	38.80	198.30	200.00	26.65	8.30	4.40	1.70	
9	1.10	5.85	24.90	15.30	30.50	37.60	202.55	203.40	25.60	7.90	4.40	1.70	
10	1.15	4.95	25.95	18.25	29.10	39.20	206.80	205.95	24.90	7.50	4.30	1.70	
11	1.25	5.55	24.90	22.00	25.95	44.80	207.65	205.10	24.20	7.20	4.20	1.90	
12	1.20	4.80	22.30	24.55	24.20	48.25	205.95	198.30	23.50	7.05	4.00	1.70	
13	1.20	4.10	19.00	23.85	22.90	50.05	208.50	191.50	22.90	7.05	3.70	1.90	
14	1.15	4.20	16.50	22.30	22.00	49.60	208.50	184.75	22.00	6.90	3.30	1.90	
15	1.15	4.40	14.50	20.00	20.50	47.80	202.55	172.75	20.80	6.90	3.20	1.70	
16	1.15	4.00	12.50	18.75	20.00	49.60	194.90	158.50	19.25	6.90	3.20	1.70	
17	1.35	3.90	11.10	18.75	23.20	49.60	181.00	142.80	18.00	6.75	3.40	1.60	
18	1.30	5.10	11.30	19.50	30.85	50.95	154.75	128.95	16.25	6.60	3.30	1.50	
19	1.20	7.35	9.30	24.90	38.40	58.15	128.95	115.95	15.30	6.15	3.00	1.60	
20	1.15	9.90	8.50	33.30	42.00	66.00	111.00	102.00	14.90	6.00	2.80	1.50	
21	1.15	11.50	9.90	40.00	42.40	74.00	105.60	90.00	14.30	6.00	2.70	1.45	
22	1.15	12.50	15.75	43.20	41.60	84.60	111.60	80.00	14.10	5.85	2.50	1.45	
23	1.15	12.70	21.40	45.60	36.40	96.60	127.00	71.50	13.50	5.70	2.60	1.40	
24	1.40	12.50	23.85	44.80	38.00	108.00	144.20	64.50	13.50	5.55	2.60	1.40	
25	1.35	12.70	21.70	43.60	37.20	119.85	157.75	59.50	13.30	5.40	2.50	1.40	
26	1.60	13.50	18.00	43.60	38.00	130.90	166.75	55.00	12.70	5.40	2.40	1.40	
27	2.10	16.75	15.50	43.60	40.40	140.00	170.50	50.50	12.30	5.40	2.40	1.35	
28	4.00	16.75	14.90	43.60	43.20	147.00	173.50	46.45	11.90	5.10	2.30	1.35	
29	4.95	13.90	20.80	43.60	45.60	149.10	175.00	44.00	11.30	4.95		1.35	
30	4.95	11.70	29.80	45.20	46.90	150.50	177.25	41.20	10.90	4.95		1.35	
31		12.70		46.90	46.45		178.75		10.50	4.80		1.35	
TOTAL	46.70	246.95	537.45	950.25	1112.75	2134.20	5304.30	4135.75	647.20	215.60	99.50	50.35	15481.00 CMSDAY
MEAN	1.56	7.97	17.91	30.65	35.90	71.14	171.11	137.86	20.88	6.95	3.55	1.62	42.41 CMS
MAX	4.95	16.75	29.80	46.90	47.80	150.50	208.50	205.95	39.20	10.30	4.80	2.10	208.50 CMS
MIN	1.00	3.60	8.50	14.90	20.00	37.60	105.60	41.20	10.50	4.80	2.30	1.35	1.00 CMS
RUNOFF	4.035	21.336	46.436	82.102	96.142	184.395	458.292	357.329	55.918	18.628	8.597	4.350	1337.558 MCM

MOMENTARY PEAK 209.35 CMS, AT 147.31 M (MSL), AT 24.00 HOURS, ON OCT 13, 1985
RUNOFF YIELD 3.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 15.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

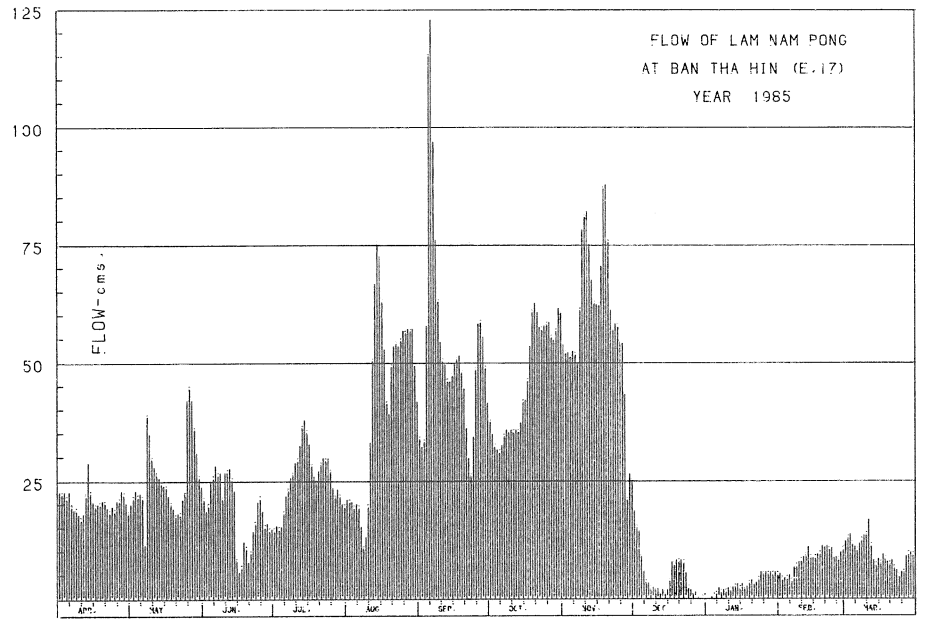
LAM NAM PHONG AT BAN THA HIN, KHON KAEN (E.17).

LOCATION	LAT. 16-26-20 N., LONG. 102-56-52 E., ON LEFT BANK AT THE BRIDGE OF KHON KAEN-KALASIN HIGHWAY, BAN THA HIN, TAM BON THA HIN, AMPHOE MUANG, KHON KAEN.
DRAINAGE AREA	14,426 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+140.821 M.(M.S.L.).
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+151.215 M.(M.S.L.).
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	1965-1973, 1984 TO DATE.
RATED BY FLOAT	- .
RATED BY CURRENT METER	1965-1973, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	142.57	142.47	142.53	142.26	142.51	142.97	143.09	143.61	142.41	141.46	141.80	142.14	
2	142.57	142.54	142.41	142.28	142.51	142.90	142.99	143.57	142.28	141.43	141.76	142.19	
3	142.57	142.58	142.48	142.27	142.49	142.95	142.92	143.56	142.23	141.50	141.75	142.20	
4	142.54	142.55	142.65	142.27	142.46	143.73	142.88	143.55	142.02	141.52	141.77	142.14	
5	142.57	142.56	142.70	142.41	142.47	145.20	142.88	143.57	141.83	141.55	141.78	142.09	
6	142.47	142.54	142.77	142.54	142.46	145.36	142.91	143.56	141.72	141.61	141.74	142.08	
7	142.42	142.11	142.72	142.60	142.27	144.76	142.99	143.49	141.68	141.58	141.87	142.12	
8	142.44	143.13	142.72	142.68	142.10	144.22	143.02	143.83	141.64	141.58	141.91	142.17	
9	142.38	142.99	142.53	142.72	142.18	143.88	143.02	144.28	141.62	141.59	141.93	142.19	
10	142.36	142.83	142.72	142.79	142.47	143.63	143.02	144.36	141.63	141.61	141.97	142.22	
11	142.39	142.76	142.74	142.82	142.93	143.52	143.02	144.38	141.60	141.62	141.98	142.33	
12	142.56	142.72	142.75	142.91	143.52	143.48	143.02	144.21	141.58	141.62	142.02	142.12	
13	142.79	142.68	142.68	143.05	143.97	143.38	143.02	143.99	141.58	141.66	142.09	141.95	
14	142.58	142.65	142.58	143.09	144.21	143.36	143.07	143.87	141.57	141.67	142.00	141.92	
15	142.49	142.62	141.97	143.02	144.13	143.42	143.23	143.85	141.58	141.64	141.97	141.96	
16	142.47	142.62	141.82	142.92	143.88	143.49	143.23	143.86	141.74	141.67	142.00	141.94	
17	142.47	142.54	141.90	142.78	143.58	143.53	143.38	144.07	141.93	141.65	142.01	142.01	
18	142.49	142.49	142.14	142.69	143.22	143.54	143.60	144.51	141.93	141.63	142.04	141.99	
19	142.50	142.43	142.10	142.66	143.13	143.44	143.82	144.54	141.95	141.71	142.10	141.93	
20	142.50	142.38	141.93	142.73	143.48	143.31	143.86	144.22	141.96	141.72	142.12	141.93	
21	142.44	142.39	142.05	142.79	143.60	143.05	143.82	143.82	141.95	141.71	142.10	141.95	
22	142.42	142.40	142.23	142.82	143.63	142.82	143.72	143.72	141.95	141.69	142.09	141.89	
23	142.45	142.51	142.32	142.82	143.60	142.71	143.72	143.74	141.81	141.76	142.08	141.84	
24	142.43	142.57	142.49	142.82	143.65	142.97	143.73	143.74	141.65	141.82	142.01	141.80	
25	142.50	143.23	142.54	142.74	143.70	143.46	143.75	143.63	141.58	141.82	141.98	141.82	
26	142.52	143.33	142.41	142.60	143.70	143.74	143.75	143.64	141.56	141.82	141.98	141.84	
27	142.58	143.23	142.29	142.54	143.71	143.76	143.67	143.27	141.54	141.82	142.03	141.99	
28	142.57	143.04	142.30	142.59	143.71	143.66	143.64	142.52	141.50	141.82	142.09	142.04	
29	142.48	142.86	142.26	142.55	143.71	143.47	143.71	142.71	141.48	141.82		142.03	
30	142.41	142.70	142.25	142.47	143.49	143.21	143.83	142.67	141.48	141.82		142.03	
31		142.61		142.47	143.22		143.82		141.51	141.82		142.05	
MEAN	142.50	142.68	142.40	142.67	143.22	143.56	143.36	143.74	141.76	141.67	141.96	142.03	
MAX	142.79	143.33	142.77	143.09	144.21	145.36	143.86	144.54	142.41	141.82	142.12	142.33	145.36
MIN	142.36	142.11	141.82	142.26	142.10	142.71	142.88	142.52	141.48	141.43	141.74	141.80	141.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 145.56 M (MSL), AT 24.00 HOURS, ON SEP 5, 1985
ZERO GAGE AT BOTTOM ELEVATION 140.82 M (MSL), RIVER BED 140.55 M (MSL)
LEFT BANK ELEVATION 151.32 M (MSL)
RIGHT BANK ELEVATION 151.01 M (MSL), DRAINAGE AREA 14426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.69	20.08	21.61	15.04	21.07	34.30	37.90	53.83	18.64	0.51	5.30	12.16	
2	22.69	21.88	18.64	15.52	21.07	32.20	34.90	52.51	15.52	0.26	4.62	13.36	
3	22.69	22.96	20.32	15.28	20.56	33.70	32.80	52.18	14.32	0.85	4.45	13.60	
4	21.88	22.15	24.85	15.28	19.84	57.91	31.60	51.85	9.60	1.10	4.79	12.16	
5	22.69	22.42	26.20	18.64	20.08	115.56	31.60	52.51	5.87	1.48	4.96	11.00	
6	20.08	21.88	28.30	21.88	19.84	122.84	32.50	52.18	3.94	2.25	4.28	10.80	
7	18.88	11.44	26.80	23.50	15.28	97.40	34.90	49.90	3.30	1.85	6.63	11.68	
8	19.36	39.10	26.80	25.66	11.20	76.04	35.80	61.61	2.70	1.85	7.40	12.88	
9	17.92	34.90	21.61	26.80	13.12	63.46	35.80	78.26	2.40	1.98	7.80	13.36	
10	17.44	30.10	26.80	28.90	20.08	54.49	35.80	81.40	2.55	2.25	8.60	14.08	
11	18.16	28.00	27.40	29.80	33.10	50.86	35.80	82.20	2.10	2.40	8.80	16.72	
12	22.42	26.80	27.70	32.50	50.86	49.60	35.80	75.67	1.85	2.40	9.60	11.68	
13	28.90	25.66	25.66	36.70	66.79	46.60	35.80	67.53	1.85	3.00	11.00	8.20	
14	22.96	24.85	22.96	37.90	75.67	46.00	37.30	63.09	1.73	3.15	9.20	7.60	
15	20.56	24.04	8.60	35.80	72.71	47.80	42.10	62.35	1.85	2.70	8.60	8.40	
16	20.08	24.04	5.68	32.80	63.46	49.90	42.10	62.72	4.28	3.15	9.20	8.00	
17	20.08	21.88	7.20	28.60	52.84	51.19	46.60	70.49	7.80	2.85	9.40	9.40	
18	20.56	20.56	12.16	25.93	41.80	51.52	53.50	87.40	7.80	2.55	10.00	9.00	
19	20.80	19.12	11.20	25.12	39.10	48.40	61.24	88.60	8.20	3.77	11.20	7.80	
20	20.80	17.92	7.80	27.10	49.60	44.50	62.72	76.04	8.40	3.94	11.68	7.80	
21	19.36	18.16	10.20	28.90	53.50	36.70	61.24	61.24	8.20	3.77	11.20	8.20	
22	18.88	18.40	14.32	29.80	54.49	29.80	57.54	57.54	8.20	3.45	11.00	7.01	
23	19.60	21.07	16.48	29.80	53.50	26.50	57.54	58.28	5.49	4.62	10.80	6.06	
24	19.12	22.69	20.56	29.80	55.15	34.30	57.91	58.28	2.85	5.68	9.40	5.30	
25	20.80	42.10	21.88	27.40	56.80	49.00	58.65	54.49	1.85	5.68	8.80	5.68	
26	21.34	45.10	18.64	23.50	56.80	58.28	58.65	54.82	1.60	5.68	8.80	6.06	
27	22.96	42.10	15.76	21.88	57.17	59.02	55.81	43.30	1.35	5.68	9.80	9.00	
28	22.69	36.40	16.00	23.23	57.17	55.48	54.82	21.34	0.85	5.68	11.00	10.00	
29	20.32	31.00	15.04	22.15	57.17	49.30	57.17	26.50	0.68	5.68		9.80	
30	18.64	26.20	14.80	20.08	49.90	41.50	61.61	25.39	0.68	5.68		9.80	
31		23.77		20.08	41.80		61.24		0.98	5.68		10.20	
TOTAL	625.35	806.77	561.97	795.37	1321.52	1614.15	1438.74	1783.50	157.43	101.57	238.31	306.79	9751.47 CMSDAY
MEAN	20.85	26.02	18.73	25.66	42.63	53.81	46.41	59.45	5.08	3.28	8.51	9.90	26.72 CMS
MAX	28.90	45.10	28.30	37.90	75.67	122.84	62.72	88.60	18.64	5.68	11.68	16.72	122.84 CMS
MIN	17.44	11.44	5.68	15.04	11.20	26.50	31.60	21.34	0.68	0.26	4.28	5.30	0.26 CMS
RUNOFF	54.030	69.705	48.554	68.720	114.179	139.463	124.307	154.094	13.602	8.776	20.590	26.507	842.527 MCM

MOMENTARY PEAK 131.96 CMS, AT 145.56 M (MSL), AT 24.00 HOURS, ON SEP 5, 1985

RUNOFF YIELD 1.85 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 9.15 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

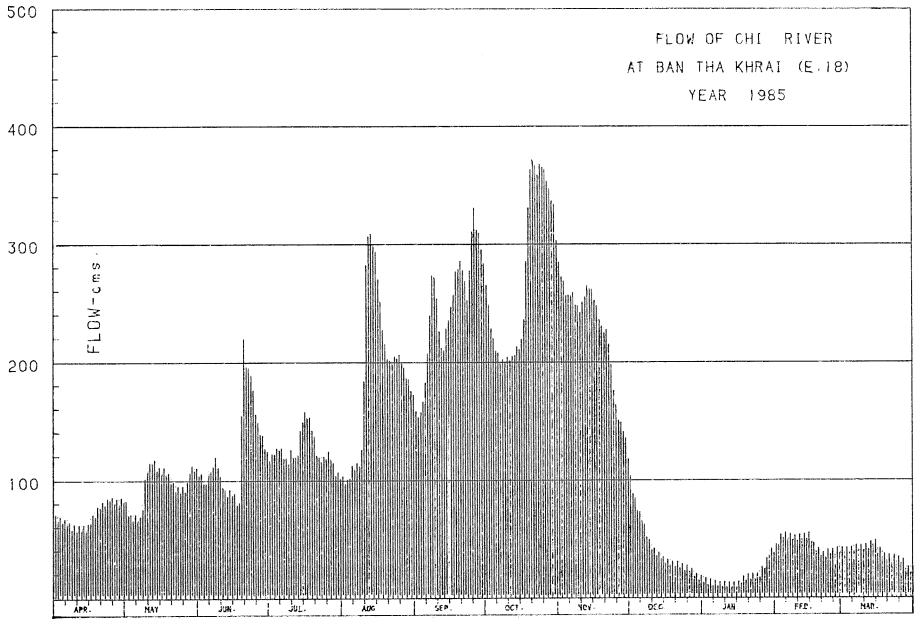
CHI RIVER AT BAN THA KHRAI, ROI ET (E.18)

LOCATION	LAT. 16-01-59 N., LONG. 103-54-38 E., ON LEFT BANK AT BAN THA KHRAI,AMPHOE SELAPHUM, ROI ET.
DRAINAGE AREA	41,594 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+122.244 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+132.934 M. (M.S.L.)
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	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 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 161 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	124.24	124.41	124.78	124.96	124.71	125.78	126.65	126.81	124.71	123.23	123.80	123.75	
2	124.22	124.30	124.74	124.98	124.68	125.56	126.45	126.72	124.54	123.22	123.87	123.75	
3	124.21	124.24	124.68	125.04	124.67	125.48	126.27	126.65	124.44	123.19	123.94	123.75	
4	124.20	124.23	124.62	125.05	124.77	125.54	126.14	126.56	124.34	123.19	123.97	123.75	
5	124.18	124.24	124.78	125.09	124.84	125.76	126.06	126.53	124.27	123.17	123.97	123.76	
6	124.17	124.23	124.77	125.05	124.85	126.00	126.00	126.56	124.20	123.16	123.96	123.77	
7	124.13	124.21	124.88	124.98	124.87	126.39	125.94	126.55	124.09	123.16	123.95	123.79	
8	124.11	124.37	124.94	124.93	124.89	126.70	125.94	126.48	123.97	123.14	123.94	123.80	
9	124.10	124.68	124.87	124.92	125.03	126.72	125.95	126.44	123.87	123.14	123.93	123.79	
10	124.09	124.82	124.71	125.03	125.77	126.50	125.96	126.42	123.79	123.14	123.93	123.79	
11	124.09	124.87	124.63	125.00	127.05	126.24	125.97	126.47	123.74	123.13	123.94	123.80	
12	124.09	124.93	124.55	124.94	127.76	126.05	125.97	126.55	123.70	123.13	123.95	123.81	
13	124.09	124.91	124.53	125.02	127.99	126.07	126.02	126.61	123.67	123.13	123.95	123.84	
14	124.08	124.85	124.55	125.24	128.11	126.25	126.06	126.62	123.64	123.13	123.96	123.87	
15	124.11	124.82	124.54	125.38	128.07	126.35	126.08	126.58	123.60	123.13	123.97	123.86	
16	124.19	124.81	124.50	125.44	127.90	126.43	126.13	126.52	123.57	123.15	123.91	123.81	
17	124.24	124.82	124.42	125.43	127.61	126.57	126.35	126.44	123.55	123.21	123.82	123.74	
18	124.28	124.80	124.39	125.38	127.27	126.73	126.82	126.35	123.54	123.25	123.77	123.67	
19	124.34	124.75	125.44	125.29	126.98	126.79	127.30	126.25	123.52	123.27	123.74	123.64	
20	124.39	124.69	126.14	125.18	126.79	126.82	127.58	126.23	123.52	123.29	123.80	123.62	
21	124.40	124.64	125.91	125.01	126.68	126.78	127.67	126.22	123.52	123.29	123.67	123.63	
22	124.42	124.60	125.86	124.94	126.71	126.65	127.61	126.12	123.50	123.30	123.68	123.64	
23	124.44	124.59	125.84	124.94	126.76	126.52	127.57	125.89	123.48	123.30	123.72	123.62	
24	124.49	124.59	125.65	124.95	126.81	126.67	127.62	125.68	123.45	123.30	123.73	123.60	
25	124.46	124.59	125.46	124.98	126.79	127.09	127.63	125.51	123.45	123.33	123.72	123.59	
26	124.45	124.59	125.33	125.01	126.71	127.27	127.58	125.39	123.44	123.42	123.73	123.58	
27	124.44	124.64	125.25	124.97	126.55	127.21	127.52	125.33	123.39	123.48	123.75	123.55	
28	124.43	124.81	125.19	124.87	126.43	127.06	127.43	125.27	123.34	123.57	123.75	123.47	
29	124.45	124.84	125.10	124.77	126.33	126.95	127.36	125.16	123.30	123.70		123.42	
30	124.47	124.84	125.01	124.76	126.19	126.80	127.30	124.96	123.27	123.73		123.41	
31		124.81		124.74	126.03		127.02		123.26	123.75		123.42	
MEAN	124.27	124.63	125.00	125.04	126.34	126.46	126.71	126.20	123.73	123.28	123.85	123.69	
MAX	124.49	124.93	126.14	125.44	128.11	127.27	127.67	126.81	124.71	123.75	123.97	123.87	128.11
MIN	124.08	124.21	124.39	124.74	124.67	125.48	125.94	124.96	123.26	123.13	123.67	123.41	123.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 128.12 M (MSL), AT 22.00 HOURS, ON AUG 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 122.24 M (MSL), RIVER BED 120.12 M (MSL)
LEFT BANK ELEVATION 133.21 M (MSL)
RIGHT BANK ELEVATION 132.77 M (MSL), DRAINAGE AREA 41594 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	71.4	82.7	108.6	121.2	103.7	162.2	269.0	285.0	103.7	17.4	45.2	42.6	
2	70.2	75.0	105.8	122.6	101.6	153.4	249.0	276.0	91.8	16.9	49.3	42.6	
3	69.6	71.4	101.6	126.8	100.9	161.4	232.3	269.0	84.8	15.6	53.4	42.6	
4	69.0	70.8	97.4	127.5	105.8	166.6	220.6	260.0	77.8	15.6	55.2	42.6	
5	67.8	71.4	108.6	130.3	112.8	186.4	213.4	257.0	73.2	14.7	55.2	43.1	
6	67.2	70.8	107.9	127.5	113.5	208.0	208.0	260.0	69.0	14.3	54.6	43.6	
7	64.8	69.6	115.6	122.6	114.9	243.1	202.6	259.0	62.4	14.3	54.0	44.7	
8	63.6	79.9	119.8	119.1	116.3	274.0	202.6	252.0	55.2	13.4	53.4	45.2	
9	63.0	101.6	114.9	118.4	126.1	276.0	203.5	248.0	49.3	13.4	52.8	44.7	
10	62.4	111.4	103.7	126.1	187.3	254.0	204.4	246.0	44.7	13.4	52.8	44.7	
11	62.4	114.9	98.1	124.0	282.5	229.6	205.3	251.0	42.1	13.0	53.4	45.2	
12	62.4	119.1	92.5	119.8	310.2	212.5	205.3	259.0	40.0	13.0	54.0	45.8	
13	62.4	117.7	91.1	125.4	309.2	214.3	209.8	265.0	38.5	13.0	54.0	47.5	
14	61.8	113.5	92.5	142.2	302.6	228.7	213.4	266.0	37.0	13.0	54.6	49.3	
15	63.6	111.4	91.8	153.4	294.1	239.5	215.2	262.0	35.0	13.0	55.2	48.7	
16	68.4	110.7	89.0	158.2	274.0	247.0	219.7	256.0	33.5	13.8	51.6	45.8	
17	71.4	111.4	83.4	157.4	251.7	261.0	239.5	248.0	32.5	16.4	46.4	42.1	
18	73.8	110.0	81.3	153.4	231.2	277.0	286.0	239.5	32.0	18.2	43.6	38.5	
19	77.8	106.5	158.2	146.2	216.0	283.0	334.0	230.5	31.0	19.2	42.1	37.0	
20	81.3	102.3	220.6	137.4	206.6	286.0	363.8	228.7	31.0	20.0	40.0	36.0	
21	82.0	98.8	199.9	124.7	201.6	282.0	373.7	227.8	31.0	20.0	38.5	36.5	
22	83.4	96.0	195.4	119.8	203.0	269.0	367.1	218.8	30.0	20.5	39.0	37.0	
23	84.8	95.3	193.6	119.8	205.2	256.0	362.7	198.1	29.0	20.5	41.0	36.0	
24	88.3	95.3	176.5	120.5	207.5	278.0	368.2	179.2	27.6	20.5	41.6	35.0	
25	86.2	95.3	159.8	122.6	206.6	314.0	369.3	163.9	27.6	21.9	41.0	34.5	
26	85.5	95.3	149.4	124.7	203.0	331.0	363.8	154.2	27.1	26.2	41.6	34.0	
27	84.8	98.8	143.0	121.9	195.8	316.0	357.2	149.4	24.7	29.0	42.6	32.5	
28	84.1	110.7	138.2	114.9	190.4	310.0	347.3	144.6	22.4	33.5	42.6	28.6	
29	85.5	112.8	131.0	107.9	185.8	299.0	340.0	135.8	20.5	40.0		26.2	
30	86.9	112.8	124.7	107.2	179.6	284.0	334.0	121.2	19.2	41.6		25.7	
31		110.7		105.8	172.4		306.0		18.7	42.6		26.2	
TOTAL	2205.8	3043.9	3793.9	3949.3	6011.9	7502.7	8586.7	6810.7	1342.3	617.9	1348.7	1224.5	46438.3 CMSDAY
MEAN	73.5	98.2	126.5	127.4	193.9	250.1	277.0	227.0	43.3	19.9	48.2	39.5	127.2 CMS
MAX	88.3	119.1	220.6	158.2	310.2	331.0	373.7	285.0	103.7	42.6	55.2	49.3	373.7 CMS
MIN	61.8	69.6	81.3	105.8	100.9	153.4	202.6	121.2	18.7	13.0	38.5	25.7	13.0 CMS
RUNOFF	190.58	262.99	327.79	341.22	519.43	648.23	741.89	588.44	115.97	53.39	116.53	105.80	4012.27 MCM

MOMENTARY PEAK 302.00 CMS, AT 5.88 M (MSL), AT 22.00 HOURS, ON AUG 22, 1985

RUNOFF YIELD 3.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 12561.388LITERS/SECOND/SQUARE KM

128.124

WATER YEAR 1985

CHI RIVER BASIN

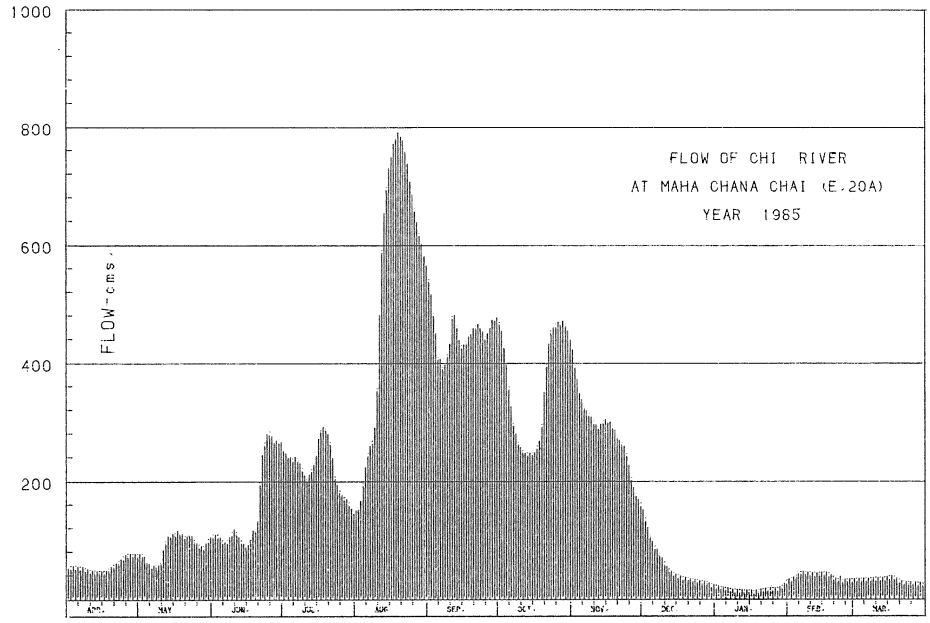
CHI RIVER AT MAHA CHANA CHAI, YASOTHON (E.20A)

LOCATION	LAT. 15-31-59 N., LONG. 104-15-24 E., ON RIGHT BANK ABOUT 800 METERS UPSTREAM FROM E.20 STATION, AMPHOE MAHA CHANA CHAI, YASOTHON.
DRAINAGE AREA	47,818 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+112.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+127.138 M. (M.S.L.)
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	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 119.06 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 155 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	115.20	115.51	115.88	117.28	116.33	119.45	118.93	118.60	116.34	114.72	114.91	114.92	
2	115.26	115.51	115.88	117.20	116.38	119.27	118.83	118.41	116.18	114.70	114.93	114.92	
3	115.27	115.46	115.88	117.18	116.49	119.04	118.65	118.23	116.01	114.68	114.97	114.92	
4	115.27	115.38	115.83	117.15	116.77	118.80	118.42	118.08	115.86	114.66	115.01	114.92	
5	115.25	115.32	115.78	117.13	117.00	118.51	118.13	117.96	115.75	114.65	115.06	114.93	
6	115.25	115.28	115.74	117.15	117.20	118.49	117.86	117.85	115.66	114.64	115.11	114.93	
7	115.25	115.28	115.78	117.13	117.30	118.39	117.62	117.80	115.60	114.62	115.12	114.93	
8	115.21	115.28	115.84	117.06	117.37	118.42	117.47	117.76	115.51	114.59	115.11	114.94	
9	115.19	115.28	115.93	116.99	117.56	118.54	117.35	117.71	115.43	114.59	115.10	114.95	
10	115.17	115.39	115.98	116.89	118.11	118.67	117.28	117.65	115.34	114.58	115.10	114.95	
11	115.16	115.59	115.93	116.83	119.02	119.00	117.23	117.60	115.25	114.58	115.09	114.95	
12	115.15	115.76	115.84	116.90	119.79	119.02	117.20	117.58	115.18	114.57	115.09	114.95	
13	115.14	115.85	115.77	116.97	120.21	118.89	117.20	117.61	115.13	114.56	115.09	114.95	
14	115.14	115.90	115.71	117.04	120.50	118.72	117.20	117.66	115.09	114.56	115.09	114.96	
15	115.14	115.90	115.70	117.21	120.72	118.65	117.20	117.68	115.05	114.56	115.10	114.98	
16	115.14	115.91	115.69	117.40	120.87	118.66	117.21	117.67	115.03	114.55	115.10	114.99	
17	115.15	115.96	115.78	117.52	120.99	118.70	117.30	117.64	115.00	114.54	115.10	115.01	
18	115.20	115.93	115.96	117.57	121.07	118.76	117.37	117.59	114.97	114.55	115.07	114.98	
19	115.25	115.89	115.99	117.55	121.11	118.82	117.60	117.53	114.96	114.57	115.03	114.94	
20	115.29	115.85	116.13	117.47	121.10	118.86	118.06	117.45	114.94	114.59	114.98	114.89	
21	115.33	115.85	116.79	117.35	121.03	118.89	118.42	117.38	114.92	114.61	114.94	114.86	
22	115.37	115.92	117.18	117.13	120.93	118.91	118.67	117.35	114.91	114.62	114.91	114.84	
23	115.41	115.86	117.35	116.87	120.77	118.89	118.83	117.30	114.90	114.63	114.98	114.83	
24	115.47	115.78	117.47	116.75	120.59	118.82	118.87	117.19	114.88	114.64	114.88	114.83	
25	115.50	115.72	117.50	116.66	120.42	118.76	118.91	117.03	114.86	114.64	114.90	114.83	
26	115.52	115.69	117.44	116.59	120.26	118.80	118.94	116.85	114.85	114.64	114.90	114.83	
27	115.52	115.67	117.39	116.56	120.11	118.89	118.93	116.71	114.85	114.65	114.91	114.82	
28	115.51	115.66	117.38	116.52	119.98	118.96	118.95	116.61	114.83	114.67	114.91	114.81	
29	115.52	115.72	117.39	116.46	119.86	118.99	118.91	116.52	114.80	114.72		114.81	
30	115.51	115.80	117.36	116.36	119.75	118.99	118.83	116.45	114.77	114.78		114.78	
31		115.83		116.33	119.62		118.75		114.75	114.87		114.73	
MEAN	115.29	115.67	116.34	117.01	119.33	118.82	118.10	117.52	115.21	114.63	115.02	114.90	
MAX	115.52	115.96	117.50	117.57	121.11	119.45	118.95	118.60	116.34	114.87	115.12	115.01	121.11
MIN	115.14	115.28	115.69	116.33	116.33	118.39	117.20	116.45	114.75	114.54	114.88	114.73	114.54

ANNUAL MAX MOMENTARY GAGE HEIGHT 121.11 M (MSL), AT 18.00 HOURS, ON AUG 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 112.00 M (MSL), RIVER BED 111.92 M (MSL)
LEFT BANK ELEVATION 119.05 M (MSL)
RIGHT BANK ELEVATION 120.51 M (MSL), DRAINAGE AREA 47818 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	53.0	77.4	110.2	257.6	151.0	542.0	469.2	423.0	152.0	23.6	34.6	35.2	
2	57.2	77.4	110.2	248.0	156.0	516.8	455.2	396.4	137.2	22.5	35.8	35.2	
3	57.9	73.1	110.2	245.6	167.0	484.6	430.0	372.9	121.9	21.5	38.2	35.2	
4	57.9	66.4	105.7	242.0	196.7	451.0	397.8	353.6	108.4	20.5	40.6	35.2	
5	56.5	61.6	101.2	239.6	224.0	410.4	359.9	339.2	98.5	20.0	43.6	35.8	
6	56.5	58.6	97.6	242.0	248.0	407.6	327.2	326.0	90.4	19.5	46.7	35.8	
7	56.5	58.6	101.2	239.6	260.0	393.7	298.4	320.0	85.0	18.5	47.4	35.8	
8	53.7	58.6	106.6	231.2	268.4	397.8	280.4	315.2	77.4	17.0	46.7	36.4	
9	52.3	58.6	114.7	222.8	291.2	414.6	266.0	309.2	70.5	17.0	46.0	37.0	
10	50.9	67.2	119.2	210.8	357.3	432.8	257.6	302.0	63.2	16.6	46.0	37.0	
11	50.2	84.1	114.7	203.6	481.8	479.0	251.6	296.0	56.5	16.6	45.4	37.0	
12	49.5	99.4	106.6	212.0	591.5	481.8	248.0	293.6	51.6	16.2	45.4	37.0	
13	48.8	107.5	100.3	220.4	654.5	463.6	248.0	297.2	48.1	15.7	45.4	37.0	
14	48.8	112.0	94.9	228.8	698.0	439.8	248.0	303.2	45.4	15.7	45.4	37.6	
15	48.8	112.0	94.0	249.2	731.0	430.0	248.0	305.6	43.0	15.7	46.0	38.8	
16	48.8	112.9	93.1	272.0	753.5	431.4	249.2	304.4	41.8	15.3	46.0	39.4	
17	49.5	117.4	101.2	286.4	772.4	437.0	260.0	300.8	40.0	14.8	46.0	40.6	
18	53.0	114.7	117.4	292.4	785.2	445.4	268.4	294.8	38.2	15.3	44.2	38.8	
19	56.5	111.1	120.1	290.0	791.6	453.8	296.0	287.6	37.6	16.2	41.8	36.4	
20	59.3	107.5	132.7	280.4	790.0	459.4	351.2	278.0	36.4	17.0	38.8	33.4	
21	62.4	107.5	198.9	266.0	778.8	463.6	397.8	269.6	35.2	18.0	36.4	31.6	
22	65.6	113.8	245.6	239.6	762.8	466.4	432.8	266.0	34.6	18.5	34.6	30.4	
23	68.9	108.4	266.0	208.4	738.5	463.6	455.2	260.0	34.0	19.0	38.8	29.8	
24	74.0	101.2	280.4	194.5	711.5	453.8	460.8	246.8	32.8	19.5	32.8	29.8	
25	76.5	95.8	284.0	184.6	686.0	445.4	466.4	227.6	31.6	19.5	34.0	29.8	
26	78.2	93.1	276.8	177.0	662.0	451.0	470.6	206.0	31.0	19.5	34.0	29.8	
27	78.2	91.3	270.8	174.0	639.5	463.6	469.2	190.1	31.0	20.0	34.6	29.2	
28	77.4	90.4	269.6	170.0	620.0	473.4	472.0	179.1	29.8	21.0	34.6	28.6	
29	78.2	95.8	270.8	164.0	602.0	477.6	466.4	170.0	28.0	23.6		28.6	
30	77.4	103.0	267.2	154.0	585.5	477.6	455.2	163.0	26.3	26.9		26.9	
31		105.7		151.0	566.0		444.0		25.2	32.2		24.2	
TOTAL	1802.4	2842.1	4781.9	6997.5	16721.7	13608.5	11200.5	8596.9	1782.6	592.9	1149.8	1053.3	71130.1 CMSDAY
MEAN	60.1	91.7	159.4	225.7	539.4	453.6	361.3	286.6	57.5	19.1	41.1	34.0	194.9 CMS
MAX	78.2	117.4	284.0	292.4	791.6	542.0	472.0	423.0	152.0	32.2	47.4	40.6	791.6 CMS
MIN	48.8	58.6	93.1	151.0	151.0	393.7	248.0	163.0	25.2	14.8	32.8	24.2	14.8 CMS
RUNOFF	155.73	245.56	413.16	604.58	1444.76	1175.77	967.72	742.77	154.02	51.23	99.34	91.01	6145.64 MCM

MOMENTARY PEAK 791.60 CMS, AT 121.11 M (MSL), AT 18.00 HOURS, ON AUG 19, 1985
RUNOFF YIELD 4.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 16.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

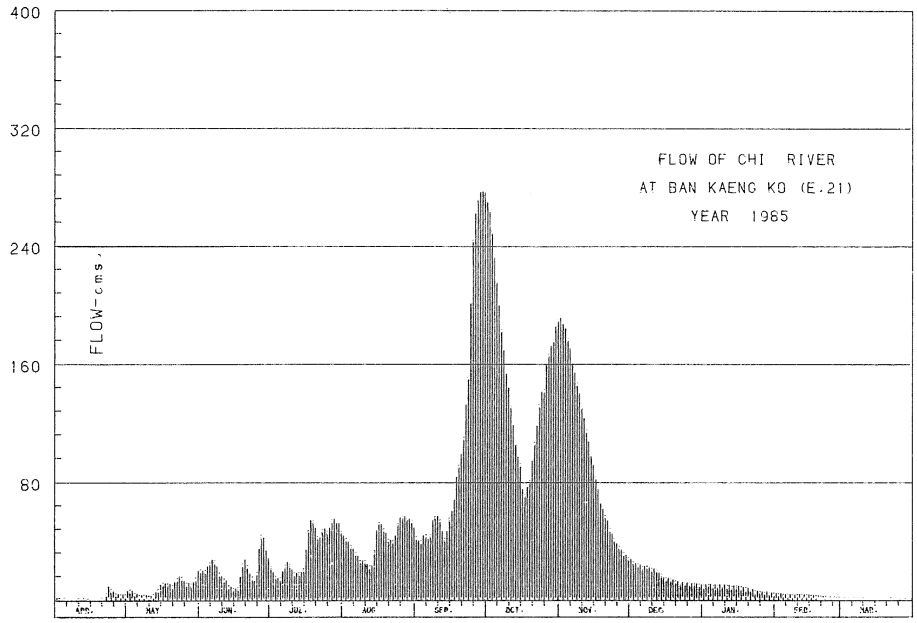
CHI RIVER AT BAN KAENG KO, CHAIYAPHUM (E.21)

LOCATION	LAT. 15-45-07 N., LONG. 102-15-24 E., ON LEFT BANK ABOUT 75 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	8,912 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.433 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 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 FLOAT	-
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 GOOD. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.26	1.44	1.82	1.86	2.23	2.22	7.89	6.90	1.96	1.56	1.39	1.27	
2	1.26	1.47	1.80	1.78	2.20	2.17	7.82	6.85	1.92	1.57	1.38	1.27	
3	1.26	1.45	1.81	1.72	2.16	2.17	7.70	6.77	1.90	1.58	1.38	1.27	
4	1.26	1.41	1.86	1.69	2.12	2.23	7.51	6.64	1.89	1.58	1.37	1.27	
5	1.25	1.38	1.91	1.70	2.08	2.24	7.30	6.49	1.88	1.56	1.36	1.27	
6	1.25	1.35	1.95	1.79	2.04	2.19	7.05	6.28	1.85	1.57	1.36	1.27	
7	1.25	1.34	1.94	1.88	2.00	2.24	6.76	6.05	1.86	1.56	1.36	1.27	
8	1.26	1.35	1.86	1.92	1.94	2.40	6.46	5.82	1.86	1.57	1.35	1.27	
9	1.26	1.34	1.77	1.89	1.94	2.51	6.09	5.57	1.84	1.57	1.35	1.27	
10	1.24	1.32	1.72	1.82	1.94	2.52	5.70	5.28	1.83	1.57	1.36	1.27	
11	1.23	1.32	1.68	1.77	1.89	2.42	5.28	4.99	1.83	1.56	1.36	1.27	
12	1.23	1.37	1.65	1.77	1.87	2.28	4.83	4.72	1.81	1.56	1.36	1.27	
13	1.23	1.42	1.56	1.78	1.87	2.20	4.43	4.44	1.77	1.54	1.35	1.27	
14	1.22	1.49	1.53	1.78	2.06	2.28	4.06	4.15	1.75	1.55	1.35	1.27	
15	1.21	1.57	1.50	1.83	2.29	2.47	3.89	3.85	1.70	1.55	1.35	1.26	
16	1.25	1.61	1.49	2.07	2.38	2.66	3.25	3.55	1.69	1.54	1.34	1.26	
17	1.25	1.60	1.52	2.29	2.36	3.02	3.11	3.24	1.69	1.53	1.33	1.26	
18	1.25	1.60	1.71	2.41	2.31	3.56	3.30	2.95	1.67	1.52	1.33	1.26	
19	1.25	1.59	1.90	2.41	2.26	3.85	3.46	2.72	1.66	1.51	1.32	1.25	
20	1.26	1.57	1.95	2.32	2.19	4.13	3.96	2.53	1.64	1.50	1.31	1.25	
21	1.25	1.62	1.87	2.22	2.18	4.55	4.42	2.40	1.63	1.48	1.31	1.25	
22	1.40	1.69	1.76	2.21	2.18	5.31	4.81	2.31	1.62	1.47	1.31	1.25	
23	1.54	1.72	1.71	2.30	2.23	5.96	5.31	2.25	1.62	1.45	1.29	1.25	
24	1.49	1.71	1.64	2.31	2.37	7.07	5.61	2.20	1.61	1.44	1.29	1.23	
25	1.43	1.64	1.78	2.28	2.48	7.64	5.66	2.14	1.61	1.43	1.28	1.23	
26	1.39	1.61	2.08	2.32	2.52	7.81	6.22	2.11	1.61	1.42	1.28	1.23	
27	1.37	1.61	2.24	2.43	2.52	7.90	6.40	2.07	1.60	1.42	1.28	1.22	
28	1.37	1.59	2.21	2.45	2.48	7.93	6.53	2.04	1.60	1.42	1.28	1.22	
29	1.36	1.62	2.10	2.43	2.45	7.95	6.63	2.01	1.59	1.41		1.22	
30	1.37	1.70	1.97	2.37	2.41	7.93	6.79	1.98	1.58	1.40		1.22	
31		1.80		2.28	2.32		6.88		1.57	1.40		1.22	
MEAN	1.30	1.53	1.81	2.07	2.20	4.06	5.65	4.04	1.73	1.51	1.33	1.25	
MAX	1.54	1.80	2.24	2.45	2.52	7.95	7.89	6.90	1.96	1.58	1.39	1.27	7.95
MIN	1.21	1.32	1.49	1.69	1.87	2.17	3.11	1.98	1.57	1.40	1.28	1.22	1.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.95 M (A.D), AT 24.00 HOURS, ON SEP 29, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.30 M (A.D)
LEFT BANK ELEVATION 9.70 M (A.D)
RIGHT BANK ELEVATION 9.85 M (A.D), DRAINAGE AREA 8912 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.86	6.28	21.00	23.00	43.80	43.20	271.80	191.50	28.00	10.18	4.75	2.02	
2	1.86	7.24	20.00	19.10	42.00	40.20	263.40	188.75	26.00	10.51	4.50	2.02	
3	1.86	6.60	20.50	16.40	39.60	40.20	250.50	184.35	25.00	10.84	4.50	2.02	
4	1.86	5.32	23.00	15.10	37.20	43.80	232.35	177.50	24.50	10.84	4.26	2.02	
5	1.69	4.50	25.50	15.50	34.80	44.40	216.50	170.60	24.00	10.18	4.01	2.02	
6	1.69	3.76	27.50	19.55	32.40	41.40	200.00	162.24	22.50	10.51	4.01	2.02	
7	1.69	3.51	27.00	24.00	30.00	44.40	183.80	154.25	23.00	10.18	4.01	2.02	
8	1.86	3.76	23.00	26.00	27.00	54.00	169.40	147.38	23.00	10.51	3.76	2.02	
9	1.86	3.51	18.65	24.50	27.00	56.75	155.57	140.13	22.00	10.51	3.76	2.02	
10	1.52	3.02	16.40	21.00	27.00	57.00	143.90	131.72	21.50	10.51	4.01	2.02	
11	1.36	3.02	14.70	18.65	24.50	54.50	131.72	123.31	21.50	10.18	4.01	2.02	
12	1.36	4.26	13.50	18.65	23.50	46.80	118.67	115.48	20.50	10.18	4.01	2.02	
13	1.36	5.64	10.18	19.10	23.50	42.00	107.21	107.48	18.65	9.52	3.76	2.02	
14	1.19	7.88	9.19	19.10	33.60	46.80	97.22	99.65	17.75	9.85	3.76	2.02	
15	1.03	10.51	8.20	21.50	47.40	55.75	92.63	91.55	15.50	9.85	3.76	1.86	
16	1.69	11.90	7.88	34.20	52.80	60.50	75.35	83.45	15.10	9.52	3.51	1.86	
17	1.69	11.50	8.86	47.40	51.60	69.50	71.75	75.08	15.10	9.19	3.26	1.86	
18	1.69	11.50	15.95	54.25	48.60	83.72	76.70	67.75	14.30	8.86	3.26	1.86	
19	1.69	11.17	25.00	54.25	45.60	91.55	81.02	62.00	13.90	8.53	3.02	1.69	
20	1.82	10.51	27.50	49.20	41.40	99.11	94.52	57.25	13.10	8.20	2.77	1.69	
21	1.69	12.30	23.50	43.20	40.80	110.55	106.94	54.00	12.70	7.56	2.77	1.69	
22	5.00	15.10	18.20	42.60	40.80	132.59	118.09	48.60	12.30	7.24	2.77	1.69	
23	9.52	16.40	15.95	48.00	43.80	151.44	132.59	45.00	12.30	6.60	2.35	1.69	
24	7.88	15.95	13.10	48.60	52.20	201.20	141.29	42.00	11.90	6.28	2.35	1.36	
25	5.96	13.10	19.10	46.80	56.00	244.20	142.74	38.40	11.90	5.96	2.19	1.36	
26	4.75	11.90	34.80	49.20	57.00	262.20	159.96	36.60	11.90	5.64	2.19	1.36	
27	4.26	11.90	44.40	54.75	57.00	273.00	167.00	34.20	11.50	5.64	2.19	1.19	
28	4.26	11.17	42.60	55.25	56.00	276.60	172.35	32.40	11.50	5.64	2.19	1.19	
29	4.01	12.30	36.00	54.75	55.25	279.00	177.00	30.60	11.17	5.32		1.19	
30	4.26	15.50	28.50	52.20	54.25	276.60	185.45	29.00	10.84	5.00		1.19	
31		20.00		46.80	49.20		190.40		10.51	5.00		1.19	
TOTAL	84.22	291.01	639.66	1082.60	1295.60	3322.96	4727.82	2922.22	533.42	264.53	95.69	54.20	15313.93 CMSDAY
MEAN	2.81	9.39	21.32	34.92	41.79	110.77	152.51	97.41	17.21	8.53	3.42	1.75	41.96 CMS
MAX	9.52	20.00	44.40	55.25	57.00	279.00	271.80	191.50	28.00	10.84	4.75	2.02	279.00 CMS
MIN	1.03	3.02	7.88	15.10	23.50	40.20	71.75	29.00	10.51	5.00	2.19	1.19	1.03 CMS
RUNOFF	7.277	25.143	55.267	93.537	111.940	287.104	408.484	252.480	46.087	22.855	8.268	4.683	1323.124 MCM

MOMENTARY PEAK 279.00 CMS, AT 7.95 M (A.D), AT 24.00 HOURS, ON SEP 29, 1985

RUNOFF YIELD 4.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 31.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

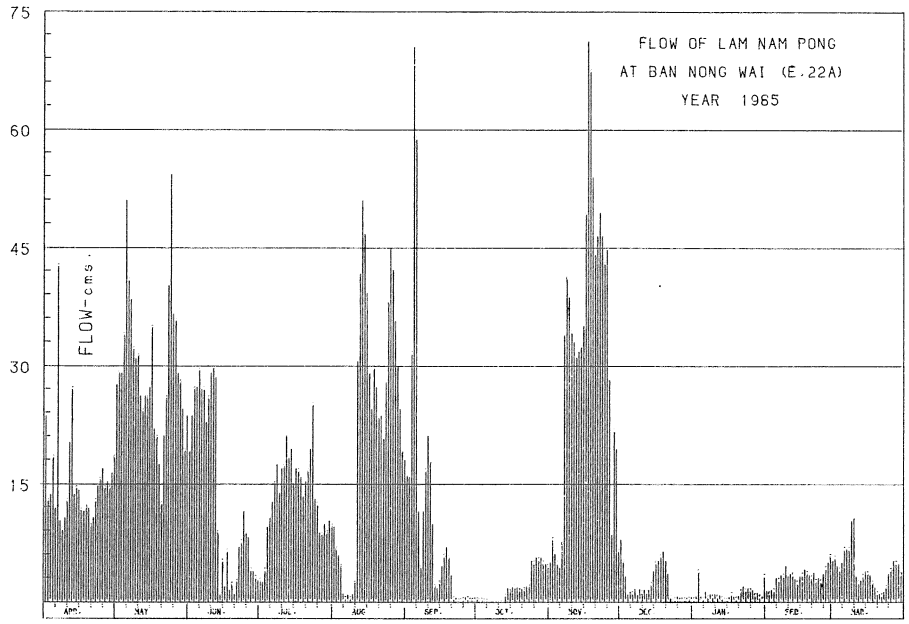
LAM NAM PHONG AT BAN NONG WAI, KHON KAEN (E.22A)

LOCATION	LAT. 16-43-29 N., LONG. 102-48-21 E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM THE BRIDGE OF KHON KAEN-UDON THANI HIGHWAY, AMPHOE NAM PHONG, KHON KAEN.
DRAINAGE AREA	13,183 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+150.92 M.(M.S.L.).
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+161.766 M.(M.S.L.).
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHEMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY UBONRAT DAM ABOVE GAGE SITES. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	153.96	154.02	153.91	153.45	153.71	153.86	153.24	153.55	153.66	153.24	153.33	153.56	
2	153.80	154.08	153.96	153.42	153.63	153.85	153.22	153.67	153.57	153.25	153.33	153.59	
3	153.81	154.07	154.01	153.52	153.59	154.16	153.23	153.60	153.46	153.51	153.34	153.53	
4	153.90	154.24	154.01	153.71	153.54	155.40	153.22	153.56	153.33	153.25	153.36	153.52	
5	153.77	154.80	154.09	153.75	153.30	155.07	153.21	153.52	153.32	153.25	153.45	153.55	
6	154.53	154.47	154.00	153.79	153.26	153.76	153.20	153.65	153.33	153.32	153.45	153.63	
7	153.73	154.38	154.01	153.84	153.28	153.53	153.16	154.23	153.35	153.28	153.47	153.62	
8	153.71	154.18	153.95	153.88	153.26	153.76	153.13	154.48	153.33	153.29	153.48	153.63	
9	153.74	154.13	153.99	153.82	153.29	153.87	153.14	154.39	153.35	153.29	153.53	153.73	
10	153.80	154.15	154.07	153.87	153.43	153.93	153.15	154.25	153.34	153.29	153.49	153.75	
11	153.92	153.99	154.10	153.88	154.12	153.89	153.15	154.20	153.34	153.29	153.48	153.46	
12	154.01	153.97	154.05	153.93	154.50	153.72	153.19	154.15	153.34	153.27	153.49	153.43	
13	153.81	153.99	153.70	153.90	154.80	153.40	153.30	154.16	153.34	153.26	153.44	153.43	
14	153.83	153.99	153.28	153.91	154.67	153.36	153.36	154.19	153.42	153.23	153.43	153.48	
15	153.82	154.01	153.57	153.84	154.41	153.43	153.35	154.27	153.50	153.23	153.46	153.50	
16	153.77	154.27	153.38	153.87	154.08	153.53	153.37	154.75	153.56	153.24	153.49	153.50	
17	153.76	153.94	153.62	153.87	153.97	153.60	153.40	155.42	153.56	153.32	153.51	153.47	
18	153.78	153.93	153.34	153.85	154.10	153.63	153.37	155.32	153.60	153.25	153.50	153.43	
19	153.77	153.88	153.42	153.81	154.01	153.59	153.36	154.90	153.61	153.25	153.47	153.37	
20	153.72	153.79	153.29	153.84	153.96	153.47	153.35	154.58	153.58	153.26	153.47	153.33	
21	153.74	153.93	153.44	153.87	153.96	153.26	153.37	154.65	153.48	153.35	153.49	153.30	
22	153.80	153.99	153.63	153.91	153.93	153.23	153.38	154.76	153.28	153.38	153.44	153.31	
23	153.83	154.44	153.66	153.98	154.03	153.22	153.40	154.65	153.22	153.36	153.45	153.32	
24	153.85	154.92	153.76	153.80	154.38	153.22	153.56	154.54	153.24	153.36	153.44	153.40	
25	153.87	154.32	153.70	153.79	154.60	153.24	153.56	154.59	153.25	153.36	153.48	153.48	
26	153.83	154.30	153.67	153.69	154.52	153.24	153.58	154.05	153.23	153.34	153.53	153.52	
27	153.84	154.07	153.52	153.69	154.29	153.26	153.58	153.68	153.23	153.31	153.55	153.56	
28	153.83	154.04	153.50	153.72	154.11	153.23	153.58	153.94	153.24	153.31	153.60	153.56	
29	153.86	153.97	153.47	153.70	153.97	153.23	153.56	153.91	153.23	153.29		153.54	
30	153.90	153.91	153.43	153.73	153.91	153.24	153.54	153.62	153.25	153.25		153.49	
31		153.96		153.72	153.89		153.54		153.24	153.48		153.49	
MEAN	153.84	154.13	153.72	153.79	153.95	153.64	153.35	154.24	153.38	153.30	153.46	153.50	
MAX	154.53	154.92	154.10	153.98	154.80	155.40	153.58	155.42	153.66	153.51	153.60	153.75	155.42
MIN	153.71	153.79	153.28	153.42	153.26	153.22	153.13	153.52	153.22	153.23	153.33	153.30	153.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 155.77 M (MSL), AT 23.00 HOURS, ON SEP 4, 1985
ZERO GAGE AT BOTTOM ELEVATION 150.92 M (MSL), RIVER BED 150.69 M (MSL)
LEFT BANK ELEVATION 166.23 M (MSL)
RIGHT BANK ELEVATION 163.98 M (MSL), DRAINAGE AREA 13183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.64	27.60	19.44	3.05	9.50	16.40	0.58	5.00	7.90	0.58	1.36	5.22	
2	13.10	29.40	23.64	2.54	7.00	15.85	0.44	8.20	5.44	0.65	1.36	5.88	
3	13.65	29.10	27.30	4.34	5.88	31.80	0.51	6.10	3.22	4.12	1.48	4.56	
4	18.60	34.20	27.30	9.50	4.78	70.50	0.44	5.22	1.36	0.65	1.72	4.34	
5	11.90	51.00	29.70	11.10	1.00	59.10	0.37	4.34	1.24	0.65	3.05	5.00	
6	42.90	41.10	27.00	12.70	0.72	11.50	0.30	7.60	1.36	1.24	3.05	7.00	
7	10.30	38.40	27.30	15.30	0.86	4.56	0.22	33.90	1.60	0.86	3.39	6.70	
8	9.50	32.40	22.80	17.50	0.72	11.50	0.16	41.40	1.36	0.93	3.56	7.00	
9	10.70	30.90	26.16	14.20	0.93	16.95	0.18	38.70	1.60	0.93	4.56	10.30	
10	13.10	31.50	29.10	16.95	2.71	21.12	0.20	34.50	1.48	0.93	3.73	11.10	
11	20.28	26.16	30.00	17.50	30.60	18.05	0.20	33.00	1.48	0.93	3.56	3.22	
12	27.30	24.48	28.50	21.12	42.00	9.90	0.28	31.50	1.48	0.79	3.73	2.71	
13	13.65	26.16	9.10	18.60	51.00	2.20	1.00	31.80	1.48	0.72	2.88	2.71	
14	14.75	26.16	0.86	19.44	47.10	1.72	1.72	32.70	2.54	0.51	2.71	3.56	
15	14.20	27.30	5.44	15.30	39.30	2.71	1.60	35.10	3.90	0.51	3.22	3.90	
16	11.90	35.10	1.96	16.95	29.40	4.56	1.84	49.50	5.22	0.58	3.73	3.90	
17	11.50	21.96	6.70	16.95	24.48	6.10	2.20	71.30	5.22	1.24	4.12	3.39	
18	12.30	21.12	1.48	15.85	30.00	7.00	1.84	67.70	6.10	0.65	3.90	2.71	
19	11.90	17.50	2.54	13.65	27.30	5.88	1.72	54.00	6.40	0.65	3.39	1.84	
20	9.90	12.70	0.93	15.30	23.64	3.39	1.60	44.40	5.66	0.72	3.39	1.36	
21	10.70	21.12	2.88	16.95	23.64	0.72	1.84	46.50	3.56	1.60	3.73	1.00	
22	13.10	26.16	7.00	19.44	21.12	0.51	1.96	49.80	0.86	1.96	2.88	1.12	
23	14.75	40.20	7.90	25.32	27.90	0.44	2.20	46.50	0.44	1.72	3.05	1.24	
24	15.85	54.60	11.50	13.10	38.40	0.44	5.22	43.20	0.58	1.72	2.88	2.20	
25	16.95	36.60	9.10	12.70	45.00	0.58	5.22	44.70	0.65	1.72	3.56	3.56	
26	14.75	36.00	8.20	8.80	42.60	0.58	5.66	28.50	0.51	1.48	4.56	4.34	
27	15.30	29.10	4.34	8.80	35.70	0.72	5.66	8.50	0.51	1.12	5.00	5.22	
28	14.75	28.20	3.90	9.90	30.30	0.51	5.66	21.96	0.58	1.12	6.10	5.22	
29	16.40	24.48	3.39	9.10	24.48	0.51	5.22	19.44	0.51	0.93		4.78	
30	18.60	19.44	2.71	10.30	19.44	0.58	4.78	6.70	0.65	0.65		3.73	
31		23.64		9.90	18.05		4.78		0.58	3.56		3.73	
TOTAL	466.22	923.78	408.17	422.15	705.55	326.38	65.60	951.76	75.47	36.42	93.65	132.54	4607.69 CMSDAY
MEAN	15.54	29.80	13.61	13.62	22.76	10.88	2.12	31.73	2.43	1.17	3.34	4.28	12.62 CMS
MAX	42.90	54.60	30.00	25.32	51.00	70.50	5.66	71.30	7.90	4.12	6.10	11.10	71.30 CMS
MIN	9.50	12.70	0.86	2.54	0.72	0.44	0.16	4.34	0.44	0.51	1.36	1.00	0.16 CMS
RUNOFF	40.281	79.815	35.266	36.474	60.960	28.199	5.668	82.232	6.521	3.147	8.091	11.451	398.104 MCM

MOMENTARY PEAK 85.30 CMS, AT 155.77 M (MSL), AT 23.00 HOURS, ON SEP 4, 1985

RUNOFF YIELD 0.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 6.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

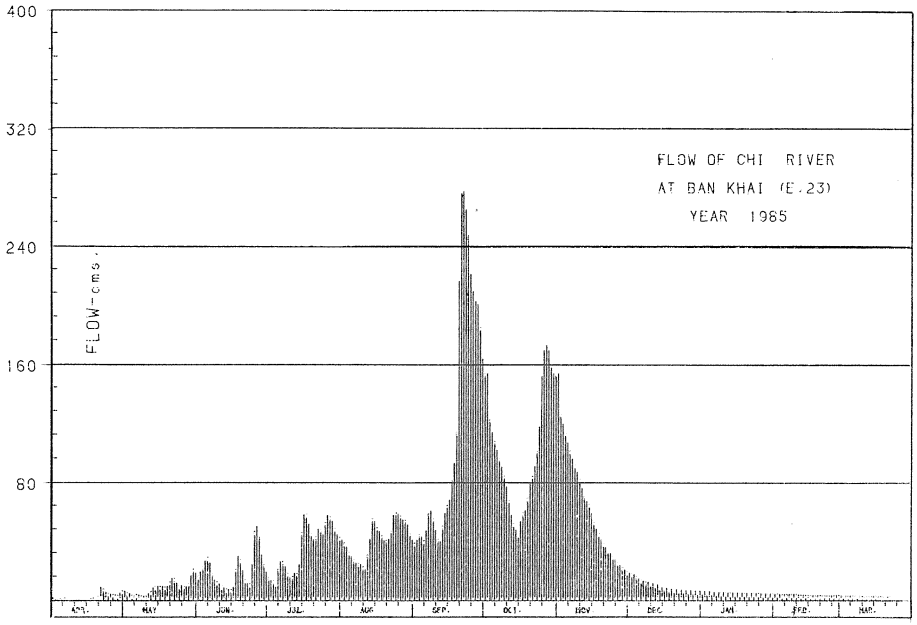
CHI RIVER AT BAN KHAI, CHAIYAPHUM (E.23)

LOCATION	LAT. 15-40-49 N., LONG. 102-00-47 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	6,835 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+174.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+181.926 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1968-1974,1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +183.21 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 48 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	175.58	176.04	176.88	176.82	178.64	178.48	181.95	181.82	177.03	176.04	175.84	175.72	
2	175.36	175.95	177.10	176.66	178.49	178.62	181.83	181.75	177.00	176.03	175.83	175.70	
3	175.45	175.86	177.36	176.66	178.30	178.89	181.70	181.66	176.97	176.02	175.81	175.70	
4	175.47	175.77	177.62	176.29	178.04	178.78	181.57	181.55	176.88	176.00	175.81	175.70	
5	175.50	175.73	177.80	177.22	177.83	178.60	181.44	181.42	176.76	176.00	175.81	175.71	
6	175.53	175.80	177.52	177.58	177.67	179.05	181.30	181.28	176.69	175.97	175.81	175.70	
7	175.52	175.77	177.02	177.59	177.52	179.67	181.14	181.13	176.64	175.96	175.81	175.70	
8	175.50	175.72	176.70	177.34	177.49	179.78	180.97	181.01	176.59	175.95	175.82	175.70	
9	175.47	175.69	176.61	177.01	177.46	179.50	180.77	180.87	176.59	175.95	175.83	175.69	
10	175.47	175.70	176.50	176.81	177.33	179.06	180.51	180.69	176.55	175.95	175.81	175.66	
11	175.42	175.85	176.39	176.86	177.20	178.66	180.12	180.47	176.52	175.94	175.79	175.65	
12	175.44	176.02	176.26	177.03	177.90	178.57	179.63	180.25	176.50	175.92	175.77	175.66	
13	175.47	176.25	176.18	177.00	178.67	179.22	179.31	180.11	176.47	175.92	175.77	175.67	
14	175.50	176.36	176.15	177.45	179.50	179.70	179.07	180.00	176.33	175.92	175.75	175.67	
15	175.47	176.38	176.15	178.97	179.40	179.96	178.89	179.70	176.28	175.92	175.74	175.68	
16	175.40	176.36	176.29	179.65	179.16	180.15	179.40	179.35	176.28	175.92	175.73	175.68	
17	175.49	176.35	177.21	179.66	179.02	180.65	179.71	179.12	176.24	175.91	175.73	175.67	
18	175.53	176.33	177.85	179.31	178.83	181.04	179.79	178.92	176.20	175.91	175.73	175.66	
19	175.55	176.35	177.68	178.90	178.60	181.57	180.20	178.65	176.17	175.90	175.74	175.66	
20	175.68	176.62	177.15	178.63	178.61	182.35	180.59	178.46	176.17	175.89	175.74	175.66	
21	176.29	176.77	176.71	178.78	178.66	182.56	180.76	178.28	176.15	175.89	175.72	175.65	
22	176.19	176.77	176.51	179.11	179.03	182.56	180.99	178.14	176.14	175.89	175.72	175.63	
23	175.97	176.54	176.50	179.10	179.63	182.53	181.27	178.00	176.12	175.89	175.72	175.60	
24	175.89	176.41	177.43	178.87	179.70	182.47	181.63	177.84	176.09	175.89	175.71	175.57	
25	175.83	176.41	179.01	179.35	179.67	182.38	181.93	177.68	176.06	175.88	175.72	175.56	
26	175.82	176.35	179.22	179.63	179.60	182.32	182.11	177.54	176.09	175.86	175.73	175.54	
27	175.80	176.33	178.76	179.57	179.46	182.30	182.14	177.41	176.08	175.86	175.75	175.53	
28	175.76	176.51	177.91	179.41	179.44	182.28	182.11	177.30	176.06	175.85	175.75	175.50	
29	175.89	176.92	177.44	179.13	179.27	182.20	182.04	177.19	176.05	175.85		175.54	
30	176.06	177.22	177.08	178.87	178.90	182.07	181.95	177.09	176.05	175.84		175.55	
31		177.04		178.76	178.63		181.89		176.05	175.84		175.53	
MEAN	175.64	176.26	177.17	178.19	178.63	180.53	180.93	179.49	176.38	175.92	175.77	175.64	
MAX	176.29	177.22	179.22	179.66	179.70	182.56	182.14	181.82	177.03	176.04	175.84	175.72	182.56
MIN	175.36	175.69	176.15	176.29	177.20	178.48	178.89	177.09	176.05	175.84	175.71	175.50	175.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 182.57 M (MSL), AT 24.00 HOURS, ON SEP 21, 1985
ZERO GAGE AT BOTTOM ELEVATION 174.00 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 6835 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.94	6.40	16.52	15.68	41.16	38.92	153.99	153.95	18.62	6.40	4.40	3.20	
2	0.36	5.50	19.60	13.44	39.06	40.88	153.96	126.25	18.20	6.30	4.30	3.00	
3	0.95	4.60	23.24	13.44	36.40	44.84	122.50	119.70	17.78	6.20	4.10	3.00	
4	1.09	3.70	26.88	8.90	32.76	43.12	114.00	113.00	16.52	6.00	4.10	3.00	
5	1.30	3.30	29.40	21.28	29.82	40.60	107.80	106.90	14.84	6.00	4.10	3.10	
6	1.54	4.00	25.48	26.32	27.58	47.40	102.00	101.30	13.86	5.70	4.10	3.00	
7	1.46	3.70	18.48	26.46	25.48	58.60	96.40	96.05	13.16	5.60	4.10	3.00	
8	1.30	3.20	14.00	22.96	25.06	60.80	90.45	91.85	12.47	5.50	4.20	3.00	
9	1.09	2.91	12.74	18.34	24.64	55.40	84.29	87.13	12.47	5.50	4.30	2.91	
10	1.09	3.00	11.30	15.54	22.82	47.56	77.27	82.13	11.95	5.50	4.10	2.64	
11	0.74	4.50	9.90	16.24	21.00	41.44	67.66	76.19	11.56	5.40	3.90	2.55	
12	0.88	6.20	8.60	18.62	30.80	40.18	57.80	70.65	11.30	5.20	3.70	2.64	
13	1.09	8.50	7.80	18.20	41.58	50.36	51.98	67.43	10.91	5.20	3.70	2.73	
14	1.30	9.60	7.50	24.50	55.40	59.20	47.72	65.20	9.30	5.20	3.50	2.73	
15	1.09	9.80	7.50	46.12	53.60	64.40	44.84	59.20	8.80	5.20	3.40	2.82	
16	0.60	9.60	8.90	58.20	49.28	68.35	53.60	52.70	8.80	5.20	3.30	2.82	
17	1.23	9.50	21.14	58.40	46.92	81.05	59.40	48.56	8.40	5.10	3.30	2.73	
18	1.54	9.30	30.10	51.98	43.88	92.90	61.00	45.32	8.00	5.10	3.30	2.64	
19	1.70	9.50	27.72	45.00	40.60	114.00	69.50	41.30	7.70	5.00	3.40	2.64	
20	2.82	12.88	20.30	41.02	40.74	216.50	79.43	38.64	7.70	4.90	3.40	2.64	
21	8.90	14.98	14.14	43.12	41.44	277.60	84.02	36.12	7.50	4.90	3.20	2.55	
22	7.90	14.98	11.43	48.38	47.08	277.60	91.15	34.16	7.40	4.90	3.20	2.37	
23	5.70	11.82	11.30	48.20	57.80	266.80	100.95	32.20	7.30	4.90	3.20	2.10	
24	4.90	10.13	24.22	44.52	59.20	247.60	117.60	29.96	6.90	4.90	3.10	1.86	
25	4.30	10.13	46.76	52.70	58.60	223.40	153.98	27.72	6.60	4.80	3.20	1.78	
26	4.20	9.50	50.36	57.80	57.20	209.60	169.70	25.76	6.90	4.60	3.30	1.62	
27	4.00	9.30	42.84	56.66	54.68	205.00	174.80	23.94	6.80	4.60	3.50	1.54	
28	3.60	11.43	30.94	53.78	54.32	201.00	169.70	22.40	6.60	4.50	3.50	1.30	
29	4.90	17.08	24.36	48.74	51.26	185.00	159.60	20.86	6.50	4.50		1.62	
30	6.60	21.28	19.32	44.52	45.00	163.80	153.99	19.46	6.50	4.40		1.70	
31		18.76		42.84	41.02		153.97		6.50	4.40		1.54	
TOTAL	80.11	279.08	622.77	1101.90	1296.18	3563.90	3225.05	1916.03	317.74	161.60	102.90	76.77	12744.03 CMSDAY
MEAN	2.67	9.00	20.76	35.55	41.81	118.80	104.03	63.87	10.25	5.21	3.67	2.48	34.92 CMS
MAX	8.90	21.28	50.36	58.40	59.20	277.60	174.80	153.95	18.62	6.40	4.40	3.20	277.60 CMS
MIN	0.36	2.91	7.50	8.90	21.00	38.92	44.84	19.46	6.50	4.40	3.10	1.30	0.36 CMS
RUNOFF	6.922	24.113	53.807	95.204	111.990	307.921	278.644	165.545	27.453	13.962	8.891	6.633	1101.084 MCM

MOMENTARY PEAK 281.20 CMS, AT 182.57 M (MSL), AT 24.00 HOURS, ON SEP 21, 1985

RUNOFF YIELD 5.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 41.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

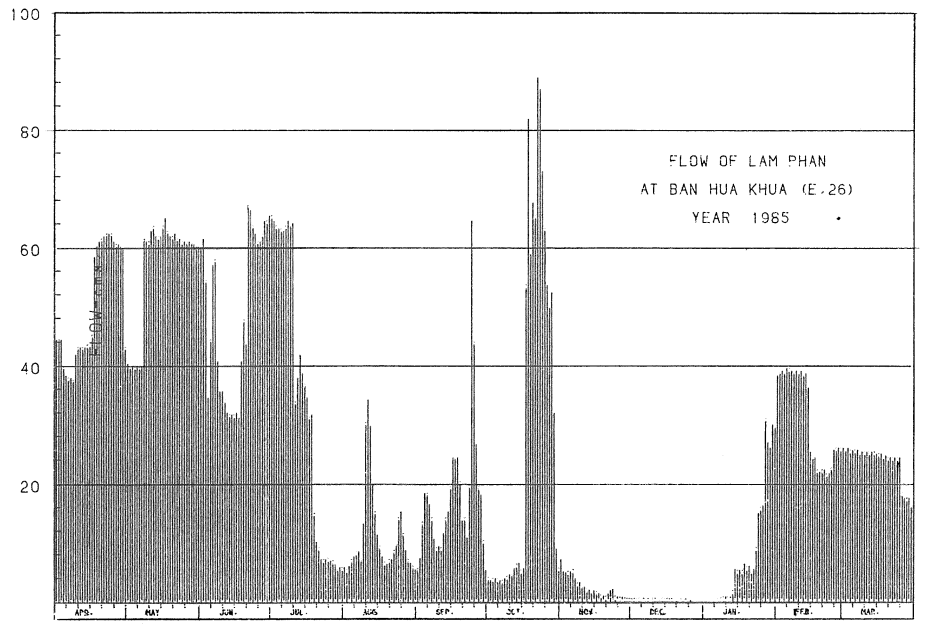
LAM PHAN AT BAN HUA KHUA, KALASIN (E.26)

LOCATION	LAT. 16-24-36 N., LONG. 103-28-15 E., ON RIGHT BANK AT THE BRIDGE ON THE ROAD, AMPHOE YANG TALAT, KALASIN.
DRAINAGE AREA	6,565 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+134.633 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UPSTREAM SIDE AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+145.395 M.(M.S.L.)
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	1971-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1976, 1982 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 27 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	136.04	135.94	136.41	136.53	134.75	134.74	134.65	134.82	134.33	134.28	135.89	135.54	
2	136.04	135.93	136.44	136.51	134.73	134.83	134.62	134.74	134.33	134.29	135.91	135.54	
3	136.04	135.93	136.28	136.49	134.76	135.09	134.64	134.70	134.33	134.30	135.91	135.54	
4	135.93	135.93	135.79	136.48	134.82	135.28	134.64	134.71	134.33	134.30	135.91	135.53	
5	135.89	135.93	136.04	136.48	134.84	135.28	134.64	134.71	134.33	134.30	135.92	135.53	
6	135.88	135.93	136.34	136.47	134.88	135.21	134.62	134.73	134.33	134.30	135.92	135.53	
7	135.88	135.93	136.36	136.49	134.88	135.12	134.62	134.64	134.33	134.30	135.91	135.53	
8	135.87	136.44	135.95	136.51	134.83	134.97	134.64	134.59	134.33	134.35	135.91	135.52	
9	135.98	136.43	135.83	136.50	135.08	134.91	134.66	134.60	134.33	134.39	135.91	135.52	
10	136.01	136.43	135.82	136.50	135.67	134.92	134.68	134.57	134.33	134.39	135.91	135.52	
11	136.01	136.47	135.78	135.77	135.78	134.91	134.70	134.54	134.34	134.38	135.91	135.52	
12	136.01	136.49	135.72	135.88	135.67	135.01	134.74	134.51	134.34	134.38	135.90	135.52	
13	136.01	136.45	135.71	135.99	135.34	135.12	134.78	134.50	134.33	134.49	135.90	135.52	
14	136.02	136.45	135.71	135.90	135.16	135.16	134.79	134.49	134.33	134.73	135.85	135.52	
15	136.01	136.45	135.71	135.85	135.00	135.32	134.72	134.49	134.33	134.72	135.52	135.51	
16	136.06	136.49	135.72	135.79	134.92	135.49	134.74	134.48	134.33	134.72	135.50	135.51	
17	136.37	136.52	135.71	135.70	134.84	135.50	136.26	134.45	134.32	134.72	135.49	135.51	
18	136.41	136.47	135.95	135.71	134.80	135.49	136.89	134.43	134.32	134.78	135.42	135.50	
19	136.43	136.45	136.12	135.15	134.78	135.35	136.39	134.41	134.32	134.75	135.41	135.50	
20	136.44	136.45	136.02	134.95	134.82	135.10	136.58	134.41	134.32	134.76	135.42	135.49	
21	136.45	136.46	136.57	134.91	134.82	135.12	136.53	134.44	134.31	134.72	135.42	135.49	
22	136.46	136.44	136.55	134.82	134.89	134.98	137.03	134.53	134.31	134.73	135.40	135.49	
23	136.46	136.44	136.49	134.82	134.92	135.33	137.00	134.51	134.31	134.91	135.40	135.49	
24	136.46	136.43	136.46	134.82	135.12	136.51	136.70	134.41	134.31	135.15	135.43	135.49	
25	136.43	136.43	136.43	134.83	135.16	136.03	136.48	134.39	101.63	135.19	135.53	135.49	
26	136.42	136.43	136.43	134.81	135.01	135.56	136.26	134.38	134.30	135.20	135.54	135.28	
27	136.42	136.43	136.46	134.81	134.89	135.32	136.18	134.38	134.30	135.69	135.54	135.25	
28	136.41	136.43	136.51	134.78	134.82	135.27	136.23	134.35	134.30	135.57	135.54	135.25	
29	136.40	136.42	136.51	134.75	134.79	134.96	135.73	134.34	134.29	135.56		135.25	
30	136.01	136.41	136.53	134.75	134.76	134.72	134.90	134.33	134.28	135.66		135.21	
31		136.41		134.75	134.73		134.74		134.27	135.66		135.20	
MEAN	136.17	136.33	136.15	135.63	134.98	135.22	135.44	134.52	133.26	134.76	135.69	135.46	
MAX	136.46	136.52	136.57	136.53	135.78	136.51	137.03	134.82	134.34	135.69	135.92	135.54	137.03
MIN	135.87	135.93	135.71	134.75	134.73	134.72	134.62	134.33	101.63	134.28	135.40	135.20	101.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 137.13 M (MSL), AT 18.00 HOURS, ON OCT 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 134.63 M (MSL), RIVER BED 133.78 M (MSL)
LEFT BANK ELEVATION 140.62 M (MSL)
RIGHT BANK ELEVATION 140.80 M (MSL), DRAINAGE AREA 6565 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	44.48	40.40	60.24	65.52	5.90	5.72	4.18	7.24	0.60	0.28	38.42	26.08	
2	44.48	40.00	61.56	64.64	5.54	7.46	3.68	5.72	0.60	0.38	39.20	26.08	
3	44.48	40.00	54.56	63.76	6.08	13.56	4.01	5.00	0.60	0.47	39.20	26.08	
4	40.00	40.00	34.64	63.32	7.24	18.46	4.01	5.18	0.60	0.47	39.20	25.76	
5	38.42	40.00	44.48	63.32	7.68	18.46	4.01	5.18	0.60	0.47	39.60	25.76	
6	38.04	40.00	57.16	62.88	8.56	16.57	3.68	5.54	0.60	0.47	39.60	25.76	
7	38.04	40.00	58.04	63.76	8.56	14.30	3.68	4.01	0.60	0.47	39.20	25.76	
8	37.66	61.56	40.80	64.64	7.46	10.68	4.01	3.22	0.60	0.69	39.20	25.44	
9	42.00	61.12	36.14	64.20	13.32	9.24	4.34	3.35	0.60	0.86	39.20	25.44	
10	43.22	61.12	35.76	64.20	30.38	9.48	4.67	2.95	0.60	0.86	39.20	25.44	
11	43.22	62.88	34.28	33.92	34.28	9.24	5.00	2.54	0.64	0.81	39.20	25.44	
12	43.22	63.76	32.12	38.04	30.38	11.64	5.72	2.14	0.64	0.81	38.80	25.44	
13	43.22	62.00	31.76	42.40	20.12	14.30	6.44	2.00	0.60	1.89	38.80	25.44	
14	43.64	62.00	31.76	38.80	15.30	15.30	6.62	1.89	0.60	5.54	36.90	25.44	
15	43.22	62.00	31.76	36.90	11.40	19.56	5.36	1.89	0.60	5.36	25.44	25.12	
16	45.32	63.76	32.12	34.64	9.48	24.50	5.72	1.78	0.60	5.36	24.80	25.12	
17	58.48	65.08	31.76	31.40	7.68	24.80	53.72	1.45	0.56	5.36	24.50	25.12	
18	60.24	62.88	40.80	31.76	6.80	24.50	81.93	1.23	0.56	6.44	22.40	24.80	
19	61.12	62.00	47.84	15.05	6.44	20.40	59.36	1.01	0.56	5.90	22.10	24.80	
20	61.56	62.00	43.64	10.20	7.24	13.80	67.72	1.01	0.56	6.08	22.40	24.50	
21	62.00	62.44	67.28	9.24	7.24	14.30	65.52	1.34	0.51	5.36	22.40	24.50	
22	62.44	61.56	66.40	7.24	8.78	10.92	88.90	2.40	0.51	5.54	21.80	24.50	
23	62.44	61.56	63.76	7.24	9.48	19.84	87.40	2.14	0.51	9.24	21.80	24.50	
24	62.44	61.12	62.44	7.24	14.30	64.64	73.00	1.01	0.51	15.05	22.70	24.50	
25	61.12	61.12	61.12	7.46	15.30	44.06	63.32	0.86	0.00	16.05	25.76	24.50	
26	60.68	61.12	61.12	7.02	11.64	26.72	53.72	0.81	0.47	16.30	26.08	18.46	
27	60.68	61.12	62.44	7.02	8.78	19.56	50.36	0.81	0.47	31.06	26.08	17.65	
28	60.24	61.12	64.64	6.44	7.24	18.19	52.46	0.69	0.47	27.04	26.08	17.65	
29	59.80	60.68	64.64	5.90	6.62	10.44	32.48	0.64	0.38	26.72		17.65	
30	43.22	60.24	65.52	5.90	6.08	5.36	9.00	0.60	0.28	30.04		16.57	
31		60.24		5.90	5.54		5.72		0.19	30.04		16.30	
TOTAL	1509.12	1764.88	1480.58	1029.95	350.84	536.00	919.74	75.63	16.22	261.41	880.06	735.60	9560.03 CMSDAY
MEAN	50.30	56.93	49.35	33.22	11.32	17.87	29.67	2.52	0.52	8.43	31.43	23.73	26.19 CMS
MAX	62.44	65.08	67.28	65.52	34.28	64.64	88.90	7.24	0.64	31.06	39.60	26.08	88.90 CMS
MIN	37.66	40.00	31.76	5.90	5.54	5.36	3.68	0.60	0.00	0.28	21.80	16.30	0.00 CMS
RUNOFF	130.388	152.486	127.922	88.988	30.313	46.310	79.466	6.534	1.401	22.586	76.037	63.556	825.987 MCM

MOMENTARY PEAK 93.90 CMS, AT 137.13 M (MSL), AT 18.00 HOURS, ON OCT 22, 1985
RUNOFF YIELD 3.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 14.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

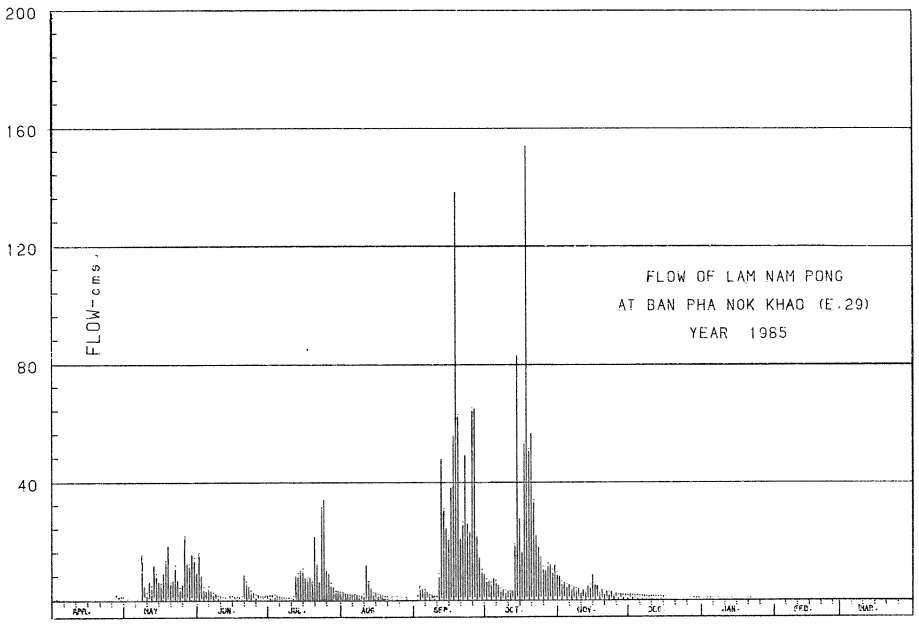
LAM NAM PHONG AT BAN PHA NOK KHAO, LOEI (E.29)

LOCATION	LAT. 16-50-45 N., LONG. 101-56-54 E., 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, LOEI.
DRAINAGE AREA	945 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+225.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+238.429 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 168 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	225.68	225.75	227.24	225.90	226.06	225.80	226.54	226.61	225.92	225.74	225.68	225.63	
2	225.68	225.71	226.62	225.91	225.99	225.86	226.45	226.45	225.91	225.73	225.68	225.63	
3	225.68	225.69	226.26	225.94	225.95	226.28	226.42	226.40	225.89	225.74	225.68	225.63	
4	225.68	225.68	226.10	225.89	225.93	226.17	226.52	226.36	225.89	225.75	225.67	225.63	
5	225.68	225.67	226.29	225.83	225.92	226.18	226.49	226.32	225.87	225.74	225.68	225.63	
6	225.68	225.67	226.11	225.81	225.95	226.05	226.31	226.28	225.86	225.73	225.67	225.63	
7	225.67	225.67	226.05	225.78	225.89	225.94	226.21	226.24	225.86	225.73	225.66	225.63	
8	225.67	227.19	225.96	225.76	225.86	225.89	226.16	226.21	225.85	225.72	225.66	225.63	
9	225.66	226.27	225.89	225.76	225.85	225.84	226.14	226.18	225.83	225.73	225.66	225.63	
10	225.65	226.06	225.85	225.75	225.98	225.84	226.11	226.15	225.84	225.73	225.66	225.64	
11	225.65	226.42	225.81	225.86	226.93	226.71	226.12	226.13	225.83	225.73	225.66	225.63	
12	225.65	226.31	225.79	226.62	226.45	229.29	226.11	226.15	225.84	225.73	225.66	225.63	
13	225.65	226.93	225.80	226.73	226.20	228.25	227.46	226.28	225.83	225.72	225.66	225.62	
14	225.65	226.71	225.88	226.81	226.07	227.82	230.91	226.34	225.83	225.72	225.66	225.62	
15	225.66	226.42	225.86	226.86	226.02	227.64	228.08	226.65	225.82	225.72	225.66	225.61	
16	225.65	226.39	225.82	226.55	225.96	228.68	227.24	226.43	225.79	225.72	225.65	225.61	
17	225.65	226.70	225.80	226.58	225.91	229.77	229.62	226.29	225.79	225.72	225.65	225.61	
18	225.65	227.05	225.80	226.57	225.89	232.68	233.34	226.19	225.78	225.72	225.65	225.61	
19	225.65	227.40	225.85	226.44	225.85	230.08	229.49	226.15	225.78	225.72	225.64	225.61	
20	225.64	226.42	226.66	227.62	225.83	227.57	229.77	226.12	225.77	225.71	225.64	225.61	
21	225.64	226.46	226.45	227.03	225.81	227.96	228.43	226.09	225.76	225.71	225.65	225.61	
22	225.64	226.94	226.26	226.41	225.81	229.36	227.65	226.08	225.76	225.70	225.65	225.60	
23	225.64	226.48	226.14	228.27	225.82	227.99	227.46	226.05	225.75	225.70	225.64	225.59	
24	225.63	226.24	226.02	228.43	225.84	227.73	227.14	226.02	225.75	225.70	225.63	225.59	
25	225.65	226.32	225.95	226.86	225.83	230.18	226.91	225.97	225.74	225.70	225.63	225.59	
26	225.75	227.65	225.91	226.69	225.79	230.17	226.80	225.95	225.74	225.69	225.63	225.59	
27	225.91	226.97	225.84	226.40	225.78	227.69	226.99	225.94	225.75	225.69	225.63	225.59	
28	225.79	226.98	225.84	226.24	225.79	227.11	226.94	225.93	225.75	225.69	225.63	225.58	
29	225.82	227.19	225.83	226.13	225.78	226.84	226.83	225.92	225.75	225.69		225.58	
30	225.82	227.13	225.88	226.11	225.78	226.68	226.93	225.92	225.74	225.68		225.59	
31		226.71		226.09	225.80		226.77		225.74	225.68		225.58	
MEAN	225.68	226.49	226.05	226.44	225.95	227.67	227.43	226.19	225.81	225.72	225.65	225.61	
MAX	225.91	227.65	227.24	228.43	226.93	232.68	233.34	226.65	225.92	225.75	225.68	225.64	233.34
MIN	225.63	225.67	225.79	225.75	225.78	225.80	226.11	225.92	225.74	225.68	225.63	225.58	225.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 233.86 M (MSL), AT 9.00 HOURS, ON OCT 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 225.00 M (MSL), RIVER BED 225.67 M (MSL)
LEFT BANK ELEVATION 237.90 M (MSL)
RIGHT BANK ELEVATION 239.21 M (MSL), DRAINAGE AREA 945 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.90	16.16	1.80	2.76	1.20	7.40	8.10	1.92	0.84	0.50	0.25	
2	0.50	0.66	8.20	1.86	2.34	1.56	6.50	6.50	1.86	0.78	0.50	0.25	
3	0.50	0.55	4.60	2.04	2.10	4.80	6.20	6.00	1.74	0.84	0.50	0.25	
4	0.50	0.50	3.00	1.74	1.98	3.70	7.20	5.60	1.74	0.90	0.45	0.25	
5	0.50	0.45	4.90	1.38	1.92	3.80	6.90	5.20	1.62	0.84	0.50	0.25	
6	0.50	0.45	3.10	1.26	2.10	2.70	5.10	4.80	1.56	0.78	0.45	0.25	
7	0.45	0.45	2.70	1.08	1.74	2.04	4.10	4.40	1.56	0.78	0.40	0.25	
8	0.45	15.46	2.16	0.96	1.56	1.74	3.60	4.10	1.50	0.72	0.40	0.25	
9	0.40	4.70	1.74	0.96	1.50	1.44	3.40	3.80	1.38	0.78	0.40	0.25	
10	0.35	2.76	1.50	0.90	2.28	1.44	3.10	3.50	1.44	0.78	0.40	0.30	
11	0.35	6.20	1.26	1.56	11.82	9.10	3.20	3.30	1.38	0.78	0.40	0.25	
12	0.35	5.10	1.14	8.20	6.50	47.84	3.10	3.50	1.44	0.78	0.40	0.25	
13	0.35	11.82	1.20	9.30	4.00	31.20	19.24	4.80	1.38	0.72	0.40	0.20	
14	0.35	9.10	1.68	10.14	2.82	24.32	82.86	5.40	1.38	0.72	0.40	0.20	
15	0.40	6.20	1.56	10.84	2.52	21.76	28.48	8.50	1.32	0.72	0.40	0.15	
16	0.35	5.90	1.32	7.50	2.16	38.08	16.16	6.30	1.14	0.72	0.35	0.15	
17	0.35	9.00	1.20	7.80	1.86	56.60	53.76	4.90	1.14	0.72	0.35	0.15	
18	0.35	13.50	1.20	7.70	1.74	138.30	153.93	3.90	1.08	0.72	0.35	0.15	
19	0.35	18.40	1.50	6.40	1.50	62.96	51.42	3.50	1.08	0.72	0.30	0.15	
20	0.30	6.20	8.60	21.48	1.38	20.78	56.60	3.20	1.02	0.66	0.30	0.15	
21	0.30	6.60	6.50	13.22	1.26	26.56	34.08	2.94	0.96	0.66	0.35	0.15	
22	0.30	11.96	4.60	6.10	1.26	49.08	21.90	2.88	0.96	0.60	0.35	0.10	
23	0.30	6.80	3.40	31.52	1.32	27.04	19.24	2.70	0.90	0.60	0.30	0.08	
24	0.25	4.40	2.52	34.08	1.44	23.02	14.76	2.52	0.90	0.60	0.25	0.08	
25	0.35	5.20	2.10	10.84	1.38	65.16	11.54	2.22	0.84	0.60	0.25	0.08	
26	0.90	21.90	1.86	8.90	1.14	64.94	10.00	2.10	0.84	0.55	0.25	0.08	
27	1.86	12.38	1.44	6.00	1.08	22.46	12.66	2.04	0.90	0.55	0.25	0.08	
28	1.14	12.52	1.44	4.40	1.14	14.34	11.96	1.98	0.90	0.55	0.25	0.06	
29	1.32	15.46	1.38	3.30	1.08	10.56	10.42	1.92	0.90	0.55		0.06	
30	1.32	14.62	1.68	3.10	1.08	8.80	11.82	1.92	0.84	0.50		0.08	
31		9.10		2.94	1.20		9.70		0.84	0.50		0.06	
TOTAL	16.19	239.24	95.64	229.30	69.96	787.32	690.33	122.52	38.46	21.56	10.40	5.26	2326.18 CMSDAY
MEAN	0.54	7.72	3.19	7.40	2.26	26.24	22.27	4.08	1.24	0.70	0.37	0.17	6.37 CMS
MAX	1.86	21.90	16.16	34.08	11.82	138.30	153.93	8.50	1.92	0.90	0.50	0.30	153.93 CMS
MIN	0.25	0.45	1.14	0.90	1.08	1.20	3.10	1.92	0.84	0.50	0.25	0.06	0.06 CMS
RUNOFF	1.399	20.670	8.263	19.812	6.045	68.024	59.645	10.586	3.323	1.863	0.899	0.454	200.982 MCM

MOMENTARY PEAK 166.07 CMS, AT 233.86 M (MSL), AT 9.00 HOURS, ON OCT 18, 1985

RUNOFF YIELD 6.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 175.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

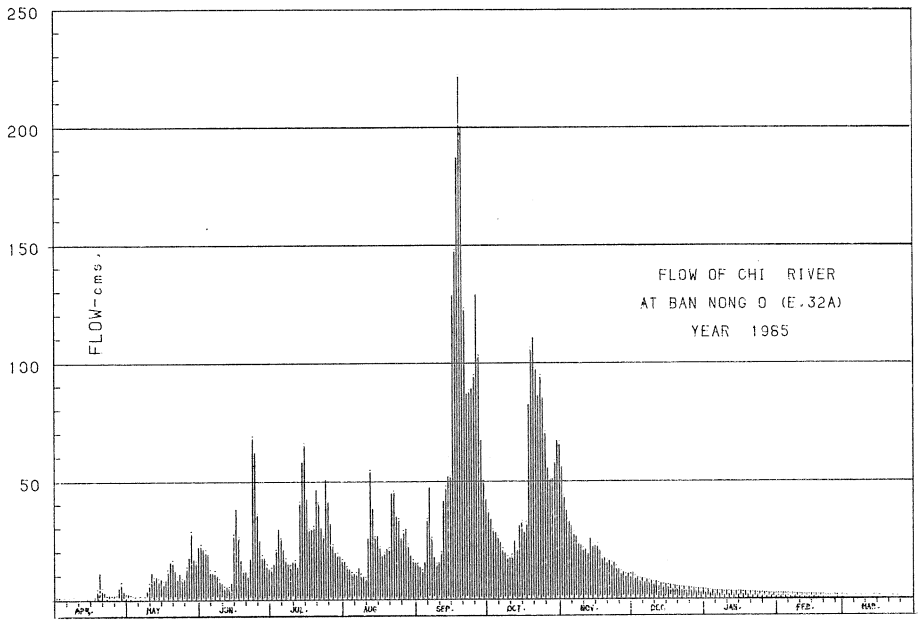
CHI RIVER AT BAN NONG O, CHAIYAPHUM (E.32A)

LOCATION	LAT. 15-54-40 N., LONG. 101-42-40 E., ON LEFT BANK ABOUT 500 METERS NORTH OF BAN NONG O, ABOUT 600 METERS UPSTREAM FROM E.32 GAGING STATION, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	2,906 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+198.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+210.771 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 211 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	198.63	198.74	199.82	199.38	199.50	199.47	200.39	201.11	199.26	198.86	198.74	198.67	
2	198.62	198.72	199.73	199.45	199.41	199.38	200.23	200.65	199.20	198.85	198.74	198.65	
3	198.62	198.69	199.73	199.73	199.34	199.33	200.07	200.38	199.16	198.84	198.74	198.66	
4	198.62	198.66	199.65	200.07	199.28	199.48	200.01	200.23	199.14	198.83	198.73	198.66	
5	198.61	198.66	199.34	199.92	199.24	200.25	199.95	200.12	199.13	198.82	198.73	198.66	
6	198.63	198.67	199.26	199.72	199.28	200.77	199.84	200.02	199.12	198.82	198.72	198.66	
7	198.62	198.67	199.32	199.58	199.36	199.93 -	199.74	199.93	199.10	198.82	198.72	198.66	
8	198.64	198.67	199.20	199.45	199.25	199.59	199.66	199.86	199.09	198.81	198.72	198.65	
9	198.63	198.83	199.15	199.44	199.18	199.46	199.61	199.79	199.07	198.80	198.71	198.65	
10	198.62	199.05	199.03	199.49	199.17	199.48	199.57	199.76	199.06	198.81	198.71	198.65	
11	198.61	199.27	198.97	199.54	199.91	199.69	199.64	199.72	199.06	198.81	198.71	198.65	
12	198.59	199.17	198.94	199.38	201.07	200.54	199.86	199.70	199.03	198.80	198.70	198.66	
13	198.58	199.18	198.96	200.54	200.41	200.80	199.74	199.90	199.01	198.80	198.70	198.66	
14	198.57	199.15	199.03	201.19	199.95	200.96	200.12	199.82	199.00	198.80	198.70	198.66	
15	198.58	199.13	199.99	201.49	199.95	200.98	200.21	199.78	198.99	198.80	198.70	198.66	
16	198.58	199.08	200.41	200.58	199.78	203.65	200.01	199.83	198.98	198.80	198.70	198.65	
17	198.63	199.11	199.95	200.08	199.61	204.29	200.19	199.70	198.97	198.80	198.69	198.65	
18	198.90	199.35	199.53	200.06	199.68	205.50	202.05	199.61	198.96	198.79	198.69	198.64	
19	199.27	199.49	199.34	200.13	199.73	206.54	202.89	199.56	198.95	198.78	198.69	198.64	
20	198.93	199.54	199.29	200.74	199.76	205.89	203.03	199.53	198.94	198.78	198.68	198.63	
21	198.79	199.31	199.26	200.53	200.67	203.47	202.60	199.50	198.93	198.78	198.67	198.63	
22	198.70	199.20	199.56	200.09	200.72	202.21	202.18	199.48	198.93	198.77	198.66	198.63	
23	198.70	199.25	201.60	199.96	200.28	202.27	202.49	199.47	198.92	198.76	198.66	198.63	
24	198.69	199.15	201.34	200.91	200.25	202.29	202.15	199.40	198.91	198.76	198.67	198.62	
25	198.70	199.13	200.34	200.57	199.91	202.49	201.67	199.33	198.91	198.76	198.68	198.62	
26	198.71	199.40	199.88	200.16	200.05	203.66	201.09	199.30	198.90	198.75	198.67	198.62	
27	198.91	199.59	199.64	199.82	200.07	202.78	200.95	199.27	198.89	198.75	198.67	198.62	
28	199.07	200.04	199.58	199.67	199.82	201.53	200.92	199.24	198.88	198.74	198.67	198.62	
29	198.82	199.55	199.46	199.67	199.62	200.89	201.22	199.23	198.88	198.74		198.62	
30	198.74	199.52	199.35	199.61	199.54	200.57	201.52	199.23	198.87	198.73		198.62	
31		199.77		199.55	199.47		201.51		198.87	198.73		198.62	
MEAN	198.71	199.15	199.62	200.02	199.78	201.60	200.81	199.75	199.00	198.79	198.70	198.64	
MAX	199.27	200.04	201.60	201.49	201.07	206.54	203.03	201.11	199.26	198.86	198.74	198.67	206.54
MIN	198.57	198.66	198.94	199.38	199.17	199.33	199.57	199.23	198.87	198.73	198.66	198.62	198.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 206.67 M (MSL), AT 18.00 HOURS, ON SEP 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 198.00 M (MSL), RIVER BED 197.77 M (MSL)
LEFT BANK ELEVATION 210.82 M (MSL)
RIGHT BANK ELEVATION 210.95 M (MSL), DRAINAGE AREA 2906 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.03	2.32	23.50	13.60	16.00	15.40	37.75	55.97	11.20	4.00	2.32	1.47	
2	0.92	2.06	21.25	15.00	14.20	13.60	33.75	44.25	10.00	3.85	2.32	1.25	
3	0.92	1.69	21.25	21.25	12.80	12.60	29.75	37.50	9.24	3.70	2.32	1.36	
4	0.92	1.36	19.25	29.75	11.60	15.60	28.25	33.75	8.86	3.55	2.19	1.36	
5	0.81	1.36	12.80	26.00	10.80	34.25	26.75	31.00	8.67	3.40	2.19	1.36	
6	1.03	1.47	11.20	21.00	11.60	47.25	24.00	28.50	8.48	3.40	2.06	1.36	
7	0.92	1.47	12.40	17.60	13.20	26.25	21.50	26.25	8.10	3.40	2.06	1.36	
8	1.14	1.47	10.00	15.00	11.00	17.80	19.50	24.50	7.92	3.25	2.06	1.25	
9	1.03	3.55	9.05	14.80	9.62	15.20	18.25	22.75	7.56	3.10	1.93	1.25	
10	0.92	7.20	6.84	15.80	9.43	15.60	17.40	22.00	7.38	3.25	1.93	1.25	
11	0.81	11.40	5.79	16.80	25.75	20.25	19.00	21.00	7.38	3.25	1.93	1.25	
12	0.63	9.43	5.28	13.60	54.89	41.50	24.50	20.50	6.84	3.10	1.80	1.36	
13	0.56	9.62	5.62	41.50	38.25	48.00	21.50	25.50	6.48	3.10	1.80	1.36	
14	0.49	9.05	6.84	58.13	26.75	52.00	31.00	23.50	6.30	3.10	1.80	1.36	
15	0.56	8.67	27.75	66.23	26.75	52.50	33.25	22.50	6.13	3.10	1.80	1.36	
16	0.56	7.74	38.25	42.50	22.50	128.65	28.25	23.75	5.96	3.10	1.80	1.25	
17	1.03	8.29	26.75	30.00	18.25	148.11	32.75	20.50	5.79	3.10	1.69	1.25	
18	4.60	13.00	16.60	29.50	20.00	187.00	82.25	18.25	5.62	2.97	1.69	1.14	
19	11.40	15.80	12.80	31.25	21.25	222.36	106.61	17.20	5.45	2.84	1.69	1.14	
20	5.11	16.80	11.80	46.50	22.00	200.26	110.67	16.60	5.28	2.84	1.58	1.03	
21	2.97	12.20	11.20	41.25	44.75	123.43	98.20	16.00	5.11	2.84	1.47	1.03	
22	1.80	10.00	17.20	30.25	46.00	86.89	86.02	15.60	5.11	2.71	1.36	1.03	
23	1.80	11.00	69.20	27.00	35.00	88.63	95.01	15.40	4.94	2.58	1.36	1.03	
24	1.69	9.05	62.18	50.75	34.25	89.21	85.15	14.00	4.77	2.58	1.47	0.92	
25	1.80	8.67	36.50	42.25	25.75	95.01	71.23	12.60	4.77	2.58	1.58	0.92	
26	1.93	14.00	25.00	32.00	29.25	128.94	55.43	12.00	4.60	2.45	1.47	0.92	
27	4.77	17.80	19.00	23.50	29.75	103.42	51.75	11.40	4.45	2.45	1.47	0.92	
28	7.56	29.00	17.60	19.75	23.50	67.31	51.00	10.80	4.30	2.32	1.47	0.92	
29	3.40	17.00	15.20	19.75	18.50	50.25	58.94	10.60	4.30	2.32		0.92	
30	2.32	16.40	13.00	18.25	16.80	42.25	67.04	10.60	4.15	2.19		0.92	
31		22.25		17.00	15.40		66.77		4.15	2.19		0.92	
TOTAL	65.43	301.12	591.10	887.56	715.59	2189.52	1533.22	664.77	199.29	92.61	50.61	36.22	7327.04 CMSDAY
MEAN	2.18	9.71	19.70	28.63	23.08	72.98	49.46	22.16	6.43	2.99	1.81	1.17	20.07 CMS
MAX	11.40	29.00	69.20	66.23	54.89	222.36	110.67	55.97	11.20	4.00	2.32	1.47	222.36 CMS
MIN	0.49	1.36	5.28	13.60	9.43	12.60	17.40	10.60	4.15	2.19	1.36	0.92	0.49 CMS
RUNOFF	5.653	26.017	51.071	76.685	61.827	189.175	132.470	57.436	17.219	8.002	4.373	3.129	633.056 MCM

MOMENTARY PEAK 226.78 CMS, AT 206.67 M (MSL), AT 18.00 HOURS, ON SEP 19, 1985

RUNOFF YIELD 6.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 78.04 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

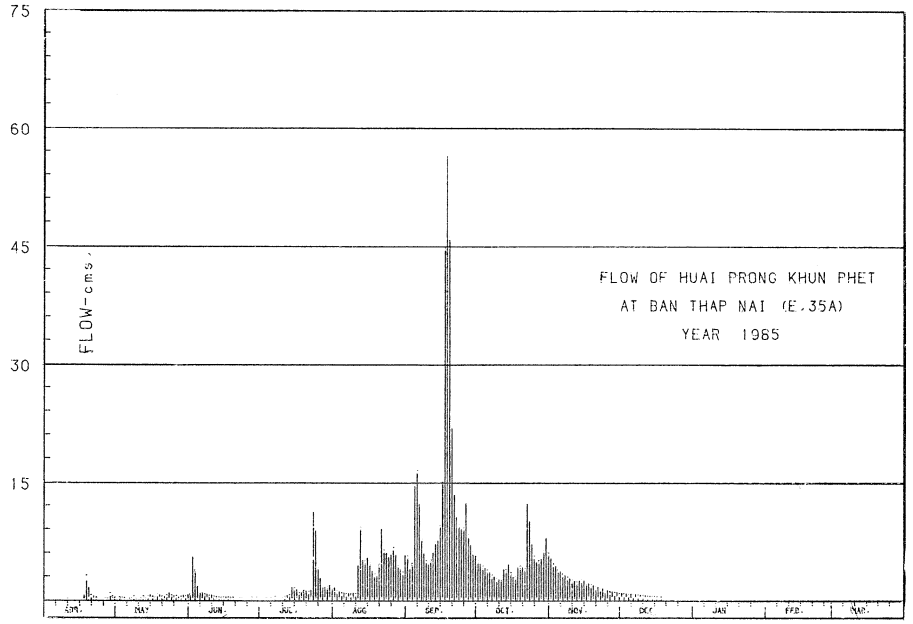
HUAI PRONG KHUN PHET AT BAN THAP NAI, CHAIYAPHUM (E.35A)

LOCATION	LAT. 15-44-27 N., LONG. 101-38-07 E., ON LEFT BANK ABOUT 6 KILOMETERS UPSTREAM FROM E.35 STATION AT BAN THAP NAI, KING AMPHOE NONG BUA RAHEO, CHAIYAPHUM.
DRAINAGE AREA	422 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+211.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+216.534 M. (M.S.L.)
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 - 1981, 1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 - 1981, 1985 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE DURING 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	212.12	212.27	212.49	212.28	212.65	213.36	213.28	213.31	212.48	212.26	212.16	212.10	
2	212.13	212.32	213.33	212.27	212.58	213.10	213.21	213.22	212.47	212.25	212.16	212.10	
3	212.13	212.31	213.09	212.28	212.53	213.23	213.17	213.16	212.45	212.25	212.16	212.10	
4	212.15	212.27	212.70	212.27	212.51	214.32	213.13	213.10	212.45	212.23	212.16	212.10	
5	212.15	212.24	212.57	212.28	212.49	214.50	213.09	213.05	212.44	212.23	212.15	212.10	
6	212.15	212.23	212.49	212.31	212.48	214.10	213.03	213.01	212.43	212.23	212.14	212.10	
7	212.14	212.26	212.46	212.33	212.46	213.62	212.98	212.97	212.42	212.22	212.14	212.10	
8	212.17	212.37	212.43	212.32	212.46	213.40	212.94	212.94	212.41	212.22	212.13	212.10	
9	212.23	212.26	212.40	212.32	212.47	213.27	212.91	212.90	212.40	212.22	212.14	212.13	
10	212.21	212.25	212.39	212.31	212.49	213.20	212.88	212.87	212.39	212.22	212.13	212.12	
11	212.20	212.25	212.35	212.34	213.18	213.29	212.92	212.84	212.38	212.22	212.13	212.12	
12	212.19	212.36	212.33	212.37	213.78	213.41	213.10	212.82	212.37	212.22	212.13	212.12	
13	212.19	212.28	212.32	212.43	213.28	213.58	213.10	212.85	212.36	212.22	212.12	212.12	
14	212.18	212.37	212.31	212.66	213.27	213.59	213.20	212.88	212.36	212.22	212.12	212.14	
15	212.16	212.40	212.30	212.66	213.32	213.81	213.03	212.85	212.35	212.21	212.12	212.13	
16	212.16	212.35	212.31	212.59	213.24	214.37	212.94	212.81	212.33	212.20	212.12	212.12	
17	212.38	212.32	212.31	212.51	213.06	216.45	212.95	212.78	212.33	212.20	212.13	212.12	
18	212.97	212.44	212.30	212.49	213.00	217.10	213.14	212.75	212.33	212.20	212.13	212.11	
19	212.65	212.40	212.29	212.58	212.95	216.53	213.17	212.73	212.32	212.20	212.13	212.12	
20	212.41	212.36	212.28	212.55	213.21	214.95	213.14	212.70	212.32	212.20	212.13	212.13	
21	212.34	212.32	212.28	212.55	213.76	214.24	213.12	212.67	212.31	212.20	212.13	212.14	
22	212.30	212.41	212.28	212.57	213.46	213.92	214.10	212.65	212.30	212.19	212.12	212.12	
23	212.27	212.48	212.29	214.05	213.41	213.82	213.91	212.63	212.30	212.18	212.12	212.13	
24	212.25	212.42	212.26	213.73	213.40	213.75	213.54	212.60	212.29	212.18	212.12	212.13	
25	212.25	212.36	212.30	213.14	213.38	213.77	213.36	212.57	212.28	212.17	212.12	212.09	
26	212.25	212.38	212.30	212.91	213.50	214.11	213.24	212.55	212.28	212.17	212.11	212.09	
27	212.25	212.31	212.30	212.76	213.37	213.68	213.28	212.53	212.28	212.17	212.10	212.09	
28	212.50	212.34	212.31	212.67	213.18	213.53	213.30	212.52	212.28	212.17	212.10	212.09	
29	212.36	212.38	212.30	212.72	213.10	213.44	213.45	212.51	212.28	212.16		212.08	
30	212.30	212.38	212.29	212.73	213.05	213.36	213.63	212.49	212.28	212.16		212.07	
31		212.41		212.70	213.37		213.41		212.27	212.16		212.08	
MEAN	212.27	212.34	212.41	212.60	213.04	214.03	213.21	212.81	212.35	212.20	212.13	212.11	
MAX	212.97	212.48	213.33	214.05	213.78	217.10	214.10	213.31	212.48	212.26	212.16	212.14	217.10
MIN	212.12	212.23	212.26	212.27	212.46	213.10	212.88	212.49	212.27	212.16	212.10	212.07	212.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 217.17 M (MSL), AT 13.00 HOURS, ON SEP 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 211.00 M (MSL), RIVER BED 211.15 M (MSL)
LEFT BANK ELEVATION 219.50 M (MSL)
RIGHT BANK ELEVATION 220.59 M (MSL), DRAINAGE AREA 422 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.068	0.367	0.970	0.388	1.600	5.720	5.160	5.370	0.940	0.346	0.144	0.030	
2	0.087	0.484	5.510	0.367	1.320	4.000	4.670	4.740	0.910	0.325	0.144	0.030	
3	0.087	0.457	3.940	0.388	1.120	4.810	4.420	4.360	0.850	0.325	0.144	0.030	
4	0.125	0.367	1.800	0.367	1.040	14.620	4.180	4.000	0.850	0.283	0.144	0.030	
5	0.125	0.304	1.280	0.388	0.970	16.600	3.940	3.700	0.820	0.283	0.125	0.030	
6	0.125	0.283	0.970	0.457	0.940	12.300	3.580	3.460	0.790	0.283	0.106	0.030	
7	0.106	0.346	0.880	0.511	0.880	7.880	3.280	3.220	0.760	0.262	0.106	0.030	
8	0.163	0.619	0.790	0.484	0.880	6.000	3.040	3.040	0.730	0.262	0.087	0.030	
9	0.283	0.346	0.700	0.484	0.910	5.090	2.860	2.800	0.700	0.262	0.106	0.087	
10	0.241	0.325	0.673	0.457	0.970	4.600	2.700	2.650	0.673	0.262	0.087	0.068	
11	0.220	0.325	0.565	0.538	4.480	5.230	2.920	2.500	0.646	0.262	0.087	0.068	
12	0.201	0.592	0.511	0.619	9.320	6.080	4.000	2.400	0.619	0.262	0.087	0.068	
13	0.201	0.388	0.484	0.790	5.160	7.520	4.000	2.550	0.592	0.262	0.068	0.068	
14	0.182	0.619	0.457	1.640	5.090	7.610	4.600	2.700	0.592	0.262	0.068	0.106	
15	0.144	0.700	0.430	1.640	5.440	9.590	3.580	2.550	0.565	0.241	0.068	0.087	
16	0.144	0.565	0.457	1.360	4.880	15.170	3.040	2.350	0.511	0.220	0.068	0.068	
17	0.646	0.484	0.457	1.040	3.760	44.850	3.100	2.200	0.511	0.220	0.087	0.049	
18	3.220	0.820	0.430	0.970	3.400	56.500	4.240	2.050	0.511	0.220	0.087	0.068	
19	1.600	0.700	0.409	1.320	3.100	46.240	4.420	1.950	0.484	0.220	0.087	0.087	
20	0.730	0.592	0.388	1.200	4.670	21.950	4.240	1.800	0.484	0.220	0.087	0.106	
21	0.538	0.484	0.388	1.200	9.140	13.740	4.120	1.680	0.457	0.220	0.087	0.106	
22	0.430	0.730	0.388	1.280	6.480	10.580	12.300	1.600	0.430	0.201	0.068	0.068	
23	0.367	0.940	0.409	11.800	6.080	9.680	10.490	1.520	0.430	0.182	0.068	0.087	
24	0.325	0.760	0.346	8.870	6.000	9.050	7.160	1.400	0.409	0.182	0.068	0.087	
25	0.325	0.592	0.430	4.240	5.860	9.230	5.720	1.280	0.388	0.163	0.068	0.027	
26	0.325	0.646	0.430	2.860	6.800	12.400	4.880	1.200	0.388	0.163	0.049	0.027	
27	0.325	0.457	0.430	2.100	5.790	8.420	5.160	1.120	0.388	0.163	0.030	0.027	
28	1.000	0.538	0.457	1.680	4.480	7.070	5.300	1.080	0.388	0.163	0.030	0.027	
29	0.592	0.646	0.430	1.900	4.000	6.320	6.400	1.040	0.388	0.144		0.024	
30	0.430	0.646	0.409	1.950	3.700	5.720	7.970	0.970	0.388	0.144		0.021	
31		0.730		1.800	5.790		6.080		0.367	0.144		0.024	
TOTAL	13.355	16.852	26.218	55.088	124.050	394.570	151.550	73.280	17.959	7.151	2.455	1.695	884.223 CMSDAY
MEAN	0.445	0.544	0.874	1.777	4.002	13.152	4.889	2.443	0.579	0.231	0.088	0.055	2.423 CMS
MAX	3.220	0.940	5.510	11.800	9.320	56.500	12.300	5.370	0.940	0.346	0.144	0.106	56.500 CMS
MIN	0.068	0.283	0.346	0.367	0.880	4.000	2.700	0.970	0.367	0.144	0.030	0.021	0.021 CMS
RUNOFF	1.154	1.456	2.265	4.760	10.718	34.091	13.094	6.331	1.552	0.618	0.212	0.146	76.397 MCM

MOMENTARY PEAK 57.76 CMS, AT 217.17 M (MSL), AT 13.00 HOURS, ON SEP 18, 1985

RUNOFF YIELD 5.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 136.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

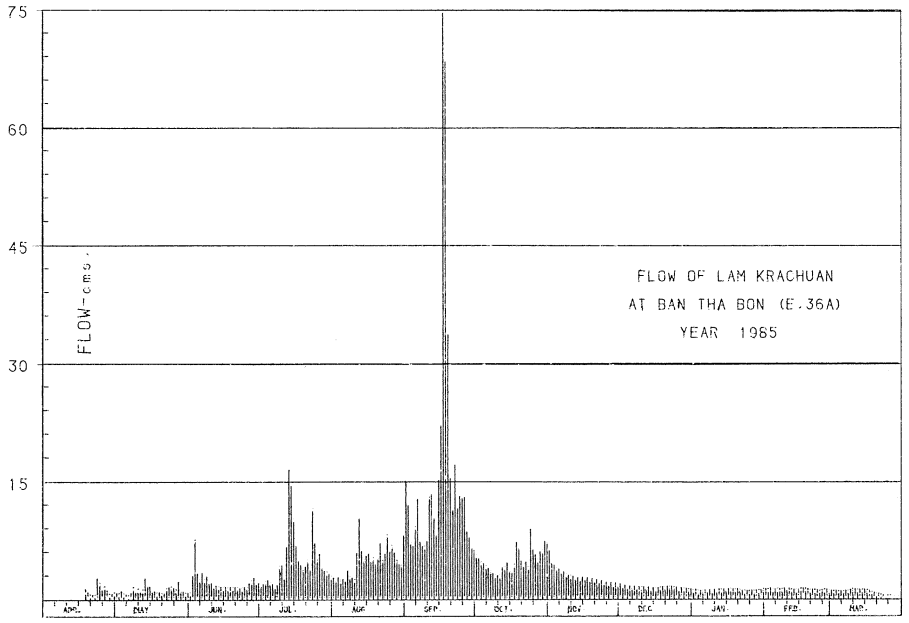
LAM KRACHUAN AT BAN THA BON, CHAIYAPHUM (E.36A)

LOCATION	LAT. 15-43-24 N., LONG. 101-40-04 E., ON RIGHT BANK ABOUT 2 KILOMETERS UPSTREAM FROM E.36 STATION AT BAN THA BON, KING AMPHOE NONG BUA RAHEO, CHAIYAPHUM.
DRAINAGE AREA	290 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+211.25 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ALONG THE MEASURING LINE.
ELEVATION	+217.647 M. (M.S.L.)
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	1972 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 - 1981.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 729 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	212.99	213.27	213.30	213.49	213.65	214.71	213.96	214.00	213.50	213.35	213.37	213.32	
2	212.97	213.27	213.69	213.50	213.63	214.47	213.92	213.89	213.48	213.35	213.37	213.32	
3	212.95	213.32	214.12	213.58	213.66	214.09	213.88	213.84	213.46	213.33	213.38	213.32	
4	212.97	213.26	213.73	213.60	213.60	214.05	213.86	213.81	213.45	213.32	213.37	213.31	
5	212.97	213.22	213.63	213.55	213.62	214.26	213.83	213.79	213.44	213.33	213.36	213.31	
6	213.00	213.20	213.74	213.50	213.65	214.53	213.80	213.77	213.43	213.33	213.37	213.31	
7	213.08	213.27	213.62	213.47	213.77	214.12	213.77	213.75	213.43	213.36	213.37	213.32	
8	213.08	213.43	213.68	213.47	213.67	214.05	213.73	213.72	213.43	213.34	213.37	213.33	
9	213.07	213.27	213.60	213.83	213.65	214.05	213.71	213.70	213.42	213.35	213.39	213.34	
10	213.05	213.39	213.53	213.84	213.62	214.10	213.70	213.69	213.42	213.35	213.43	213.37	
11	213.05	213.28	213.49	213.69	213.98	214.55	213.71	213.68	213.42	213.35	213.38	213.36	
12	213.04	213.37	213.46	214.04	214.37	214.58	213.81	213.67	213.42	213.36	213.36	213.35	
13	213.04	213.64	213.45	214.83	214.00	214.36	213.82	213.65	213.41	213.36	213.35	213.35	
14	213.03	213.51	213.43	214.66	213.91	214.16	213.87	213.65	213.41	213.36	213.35	213.35	
15	213.01	213.44	213.44	214.34	213.95	214.74	213.78	213.66	213.39	213.37	213.35	213.35	
16	213.00	213.36	213.43	214.05	214.01	215.14	213.73	213.67	213.39	213.37	213.38	213.34	
17	213.02	213.32	213.43	213.92	213.88	217.59	213.85	213.65	213.40	213.37	213.38	213.32	
18	213.47	213.29	213.43	213.84	213.93	217.22	214.09	213.63	213.41	213.36	213.38	213.29	
19	213.29	213.29	213.44	213.80	213.85	215.75	214.05	213.63	213.42	213.36	213.36	213.26	
20	213.23	213.27	213.42	213.82	213.95	214.73	213.89	213.62	213.42	213.37	213.35	213.24	
21	213.20	213.25	213.42	213.91	214.08	214.45	213.86	213.61	213.43	213.35	213.35	213.23	
22	213.22	213.40	213.39	213.77	213.90	214.84	213.88	213.60	213.43	213.33	213.35	213.20	
23	213.64	213.42	213.41	214.44	213.97	214.47	213.82	213.58	213.43	213.33	213.34	213.17	
24	213.54	213.44	213.42	214.08	214.17	214.56	214.23	213.56	213.42	213.32	213.33	213.15	
25	213.34	213.40	213.43	213.91	213.99	214.57	214.05	213.54	213.41	213.32	213.34	213.17	
26	213.45	213.37	213.52	213.97	214.06	214.55	213.96	213.53	213.39	213.33	213.36	213.16	
27	213.34	213.56	213.60	213.83	213.98	214.24	213.91	213.53	213.39	213.33	213.35	213.14	
28	213.25	213.37	213.65	213.76	213.90	214.14	213.99	213.52	213.39	213.33	213.34	213.13	
29	213.24	213.31	213.58	213.75	213.85	214.06	214.01	213.52	213.38	213.34		213.14	
30	213.29	213.28	213.52	213.72	213.84	214.01	214.10	213.51	213.37	213.34		213.14	
31		213.28		213.69	214.16		214.11		213.36	213.37		213.13	
MEAN	213.16	213.35	213.53	213.86	213.88	214.64	213.89	213.67	213.42	213.35	213.36	213.27	
MAX	213.64	213.64	214.12	214.83	214.37	217.59	214.23	214.00	213.50	213.37	213.43	213.37	217.59
MIN	212.95	213.20	213.30	213.47	213.60	214.01	213.70	213.51	213.36	213.32	213.33	213.13	212.95

ANNUAL MAX MOMENTARY GAGE HEIGHT 217.96 M (MSL), AT 11.00 HOURS, ON SEP 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 211.25 M (MSL), RIVER BED 211.99 M (MSL)
LEFT BANK ELEVATION 220.10 M (MSL)
RIGHT BANK ELEVATION 219.56 M (MSL), DRAINAGE AREA 290 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.88	1.00	1.95	2.80	15.15	5.72	6.20	2.00	1.25	1.35	1.10	
2	0.00	0.88	3.04	2.00	2.68	12.01	5.24	4.90	1.90	1.25	1.35	1.10	
3	0.00	1.10	7.64	2.40	2.86	7.28	4.80	4.40	1.80	1.15	1.40	1.10	
4	0.00	0.84	3.37	2.50	2.50	6.80	4.60	4.10	1.75	1.10	1.35	1.05	
5	0.00	0.68	2.68	2.25	2.62	9.32	4.30	3.91	1.70	1.15	1.30	1.05	
6	0.00	0.60	3.46	2.00	2.80	12.79	4.00	3.73	1.65	1.15	1.35	1.05	
7	0.24	0.88	2.62	1.85	3.73	7.64	3.73	3.55	1.65	1.30	1.35	1.10	
8	0.24	1.65	2.98	1.85	2.92	6.80	3.37	3.28	1.65	1.20	1.35	1.15	
9	0.21	0.88	2.50	4.30	2.80	6.80	3.19	3.10	1.60	1.25	1.45	1.20	
10	0.15	1.45	2.15	4.40	2.62	7.40	3.10	3.04	1.60	1.25	1.65	1.35	
11	0.15	0.92	1.95	3.04	5.96	13.05	3.19	2.98	1.60	1.25	1.40	1.30	
12	0.12	1.35	1.80	6.68	10.71	13.44	4.10	2.92	1.60	1.30	1.30	1.25	
13	0.12	2.74	1.75	16.98	6.20	10.58	4.20	2.80	1.55	1.30	1.25	1.25	
14	0.09	2.05	1.65	14.48	5.12	8.12	4.70	2.80	1.55	1.30	1.25	1.25	
15	0.03	1.70	1.70	10.32	5.60	15.60	3.82	2.86	1.45	1.35	1.25	1.25	
16	0.00	1.30	1.65	6.80	6.32	22.12	3.37	2.92	1.45	1.35	1.40	1.20	
17	0.06	1.10	1.65	5.24	4.80	78.23	4.50	2.80	1.50	1.35	1.40	1.10	
18	1.85	0.96	1.65	4.40	5.36	68.42	7.28	2.68	1.55	1.30	1.40	0.96	
19	0.96	0.96	1.70	4.00	4.50	34.05	6.80	2.68	1.60	1.30	1.30	0.84	
20	0.72	0.88	1.60	4.20	5.60	15.45	4.90	2.62	1.60	1.35	1.25	0.76	
21	0.60	0.80	1.60	5.12	7.16	11.75	4.60	2.56	1.65	1.25	1.25	0.72	
22	0.68	1.50	1.45	3.73	5.00	17.14	4.80	2.50	1.65	1.15	1.25	0.60	
23	2.74	1.60	1.55	11.62	5.84	12.01	4.20	2.40	1.65	1.15	1.20	0.51	
24	2.20	1.70	1.60	7.16	8.24	13.18	8.96	2.30	1.60	1.10	1.15	0.45	
25	1.20	1.50	1.65	5.12	6.08	13.31	6.80	2.20	1.55	1.10	1.20	0.51	
26	1.75	1.35	2.10	5.84	6.92	13.05	5.72	2.15	1.45	1.15	1.30	0.48	
27	1.20	2.30	2.50	4.30	5.96	9.08	5.12	2.15	1.45	1.15	1.25	0.42	
28	0.80	1.35	2.80	3.64	5.00	7.88	6.08	2.10	1.45	1.15	1.20	0.39	
29	0.76	1.05	2.40	3.55	4.50	6.92	6.32	2.10	1.40	1.20		0.42	
30	0.96	0.92	2.10	3.28	4.40	6.32	7.40	2.05	1.35	1.20		0.42	
31		0.92		3.04	8.12		7.52		1.30	1.35		0.39	
TOTAL	17.83	38.79	68.29	158.04	155.72	481.69	156.43	90.78	49.25	38.15	36.90	27.72	1319.59 CMSDAY
MEAN	0.59	1.25	2.28	5.10	5.02	16.06	5.05	3.03	1.59	1.23	1.32	0.89	3.62 CMS
MAX	2.74	2.74	7.64	16.98	10.71	78.23	8.96	6.20	2.00	1.35	1.65	1.35	78.23 CMS
MIN	0.00	0.60	1.00	1.85	2.50	6.32	3.10	2.05	1.30	1.10	1.15	0.39	0.00 CMS
RUNOFF	1.541	3.351	5.900	13.655	13.454	41.618	13.516	7.843	4.255	3.296	3.188	2.395	114.013 MCM

MOMENTARY PEAK 88.48 CMS, AT 217.96 M (MSL), AT 11.00 HOURS, ON SEP 17, 1985

RUNOFF YIELD 12.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 305.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

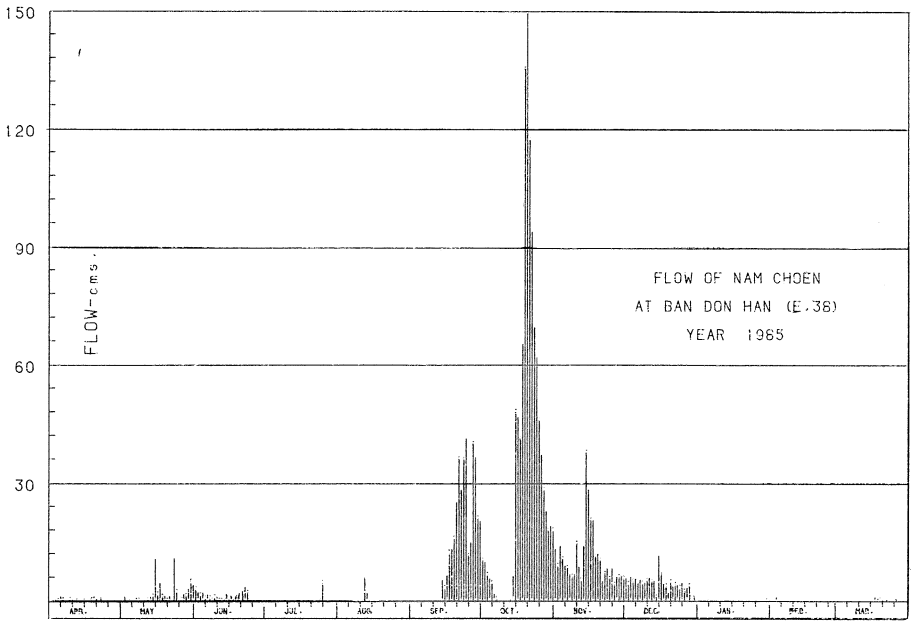
LAM NAM CHOEN AT BAN DON HAN, KHON KAEN (E.38)

LOCATION	LAT. 16-31-22 N., LONG. 102-02-03 E., ON RIGHT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM THE WIER, BAN DON HAN, AMPHOE CHUM PHAE, KHON KAEN.
DRAINAGE AREA	1,446 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+213.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 8 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+220.442 M. (M.S.L.)
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	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974-1978
RATED BY FLOAT	-
RATED BY CURRENT METER	1974-1978
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 635 DISCHARGE MEASUREMENTS MADE DURING 1976-1978.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	213.06	213.29	213.98	213.10	213.07	213.05	214.56	214.71	214.18	213.34	213.47	213.14	
2	213.04	213.66	213.83	213.10	213.07	213.06	214.49	214.47	214.10	213.32	213.34	213.14	
3	213.42	213.48	213.83	213.07	213.07	213.05	214.31	214.76	214.21	213.32	213.57	213.15	
4	213.53	213.43	213.82	213.07	213.12	213.05	214.17	214.58	214.16	213.39	213.19	213.14	
5	213.63	213.42	213.70	213.07	213.05	213.05	214.13	214.43	214.16	213.39	213.04	213.08	
6	213.60	213.11	213.74	213.06	213.06	213.05	213.75	214.43	214.14	213.27	213.07	213.07	
7	213.33	213.56	213.70	213.06	213.07	213.04	213.66	214.26	214.13	213.22	213.09	213.17	
8	213.18	213.56	213.56	213.05	213.05	213.04	213.33	214.27	214.11	213.32	213.10	213.23	
9	213.60	213.51	213.75	213.05	213.04	213.04	213.16	214.27	214.05	213.34	213.09	213.19	
10	213.39	213.30	213.63	213.05	213.05	213.04	213.14	214.85	214.18	213.29	213.12	213.19	
11	213.03	213.30	213.55	213.05	213.10	213.05	213.14	214.41	214.19	213.19	213.21	213.18	
12	213.52	213.62	213.56	213.06	214.21	213.04	213.32	214.19	214.16	213.28	213.19	213.18	
13	213.40	213.62	213.41	213.06	213.79	213.05	213.44	214.76	214.11	213.32	213.19	213.18	
14	213.18	213.79	213.77	213.06	213.19	214.13	214.22	216.09	213.71	213.17	213.17	213.17	
15	213.50	214.55	213.42	213.06	213.23	214.00	216.61	215.57	214.60	213.06	213.17	213.18	
16	213.31	213.85	213.66	213.06	213.30	214.24	216.51	215.19	214.30	213.06	213.16	213.18	
17	213.38	214.06	213.42	213.06	213.30	214.70	216.27	215.16	214.03	213.12	213.16	213.57	
18	213.60	213.78	213.63	213.06	213.14	214.71	217.42	214.62	214.04	213.13	213.16	213.45	
19	213.64	213.66	213.70	213.06	213.10	214.94	219.64	214.63	213.80	213.25	213.04	213.57	
20	213.45	213.55	213.42	213.06	213.08	215.40	219.82	214.56	214.14	213.12	213.04	213.31	
21	213.33	213.65	213.85	213.07	213.07	216.01	219.32	214.10	213.96	213.12	213.04	213.34	
22	213.63	213.13	213.96	213.07	213.06	215.57	218.63	214.33	214.08	213.09	213.04	213.59	
23	213.42	214.56	213.88	213.14	213.05	216.00	217.65	214.38	214.00	213.10	213.11	213.17	
24	213.42	213.91	213.27	213.48	213.05	216.24	217.26	214.22	214.00	213.09	213.22	213.25	
25	213.35	213.45	213.10	214.13	213.05	214.64	216.50	214.38	214.05	213.13	213.21	213.43	
26	213.30	213.62	213.22	213.37	213.06	214.82	216.03	214.08	213.90	213.10	213.21	213.63	
27	213.28	213.75	213.26	213.07	213.05	216.20	215.60	214.21	213.92	213.11	213.21	213.38	
28	213.27	213.81	213.10	213.09	213.04	216.00	215.28	214.26	214.05	213.07	213.21	213.44	
29	213.14	213.91	213.10	213.12	213.04	215.22	215.06	214.23	213.10	213.07		213.44	
30	213.14	214.17	213.11	213.12	213.05	215.15	215.08	214.23	213.69	213.48		213.18	
31		214.01		213.10	213.05		215.06		213.08	213.50		213.64	
MEAN	213.37	213.68	213.56	213.13	213.15	214.25	215.50	214.55	214.01	213.22	213.17	213.29	
MAX	213.64	214.56	213.98	214.13	214.21	216.24	219.82	216.09	214.60	213.50	213.57	213.64	219.82
MIN	213.03	213.11	213.10	213.05	213.04	213.04	213.14	214.08	213.08	213.06	213.04	213.07	213.03

ANNUAL MAX MOMENTARY GAGE HEIGHT 220.01 M (MSL), AT 18.00 HOURS, ON OCT 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 213.00 M (MSL), RIVER BED 212.79 M (MSL)
LEFT BANK ELEVATION 220.34 M (MSL)
RIGHT BANK ELEVATION 220.35 M (MSL), DRAINAGE AREA 1446 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.09	3.80	0.00	0.00	0.00	10.90	13.15	5.80	0.22	0.61	0.00	
2	0.00	1.30	2.30	0.00	0.00	0.00	9.85	9.55	5.00	0.16	0.22	0.00	
3	0.46	0.64	2.30	0.00	0.00	0.00	7.33	13.90	6.12	0.16	0.91	0.00	
4	0.79	0.49	2.20	0.00	0.00	0.00	5.70	11.20	5.60	0.37	0.00	0.00	
5	1.15	0.46	1.50	0.00	0.00	0.00	5.30	8.95	5.60	0.37	0.00	0.00	
6	1.00	0.00	1.70	0.00	0.00	0.00	1.75	8.95	5.40	0.07	0.00	0.00	
7	0.19	0.88	1.50	0.00	0.00	0.00	1.30	6.72	5.30	0.02	0.00	0.00	
8	0.00	0.88	0.88	0.00	0.00	0.00	0.19	6.84	5.10	0.16	0.00	0.03	
9	1.00	0.73	1.75	0.00	0.00	0.00	0.00	6.84	4.50	0.22	0.00	0.00	
10	0.37	0.10	1.15	0.00	0.00	0.00	0.00	15.25	5.80	0.09	0.00	0.00	
11	0.00	0.10	0.85	0.00	0.00	0.00	0.00	8.65	5.90	0.00	0.01	0.00	
12	0.76	1.10	0.88	0.00	6.12	0.00	0.16	5.90	5.60	0.08	0.00	0.00	
13	0.40	1.10	0.43	0.00	1.95	0.00	0.52	13.90	5.10	0.16	0.00	0.00	
14	0.00	1.95	1.85	0.00	0.00	5.30	6.24	38.30	1.55	0.00	0.00	0.00	
15	0.70	10.75	0.46	0.00	0.03	4.00	48.70	28.33	11.50	0.00	0.00	0.00	
16	0.13	2.50	1.30	0.00	0.10	6.48	46.70	21.11	7.20	0.00	0.00	0.00	
17	0.34	4.60	0.46	0.00	0.10	13.00	41.90	20.54	4.30	0.00	0.00	0.91	
18	1.00	1.90	1.15	0.00	0.00	13.15	65.32	11.80	4.40	0.00	0.00	0.55	
19	1.20	1.30	1.50	0.00	0.00	16.60	135.80	11.95	2.00	0.05	0.00	0.91	
20	0.55	0.85	0.46	0.00	0.00	25.10	149.50	10.90	5.40	0.00	0.00	0.13	
21	0.19	1.25	2.50	0.00	0.00	36.70	117.90	5.00	3.60	0.00	0.00	0.22	
22	1.15	0.00	3.60	0.00	0.00	28.33	93.90	7.59	4.80	0.00	0.00	0.97	
23	0.46	10.90	2.80	0.00	0.00	36.50	70.30	8.24	4.00	0.00	0.00	0.00	
24	0.46	3.10	0.07	0.64	0.00	41.30	61.96	6.24	4.00	0.00	0.02	0.05	
25	0.25	0.55	0.00	5.30	0.00	12.10	46.50	8.24	4.50	0.00	0.01	0.49	
26	0.10	1.10	0.02	0.31	0.00	14.80	37.10	4.80	3.00	0.00	0.01	1.15	
27	0.08	1.75	0.06	0.00	0.00	40.50	28.90	6.12	3.20	0.00	0.01	0.34	
28	0.07	2.10	0.00	0.00	0.00	36.50	22.82	6.72	4.50	0.00	0.01	0.52	
29	0.00	3.10	0.00	0.00	0.00	21.68	18.64	6.36	0.00	0.00		0.52	
30	0.00	5.70	0.00	0.00	0.00	20.35	19.02	6.36	1.45	0.64		0.00	
31		4.10		0.00	0.00		18.64		0.00	0.70		1.20	
TOTAL	12.80	65.37	37.47	6.25	8.30	372.39	1072.84	338.40	140.22	3.47	1.81	7.99	2067.31 CMSDAY
MEAN	0.43	2.11	1.25	0.20	0.27	12.41	34.61	11.28	4.52	0.11	0.06	0.26	5.66 CMS
MAX	1.20	10.90	3.80	5.30	6.12	41.30	149.50	38.30	11.50	0.70	0.91	1.20	149.50 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.80	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	1.106	5.648	3.237	0.540	0.717	32.174	92.693	29.238	12.115	0.300	0.156	0.690	178.616 MCM

MOMENTARY PEAK 171.75 CMS, AT 220.01 M (MSL), AT 18.00 HOURS, ON OCT 19, 1985
RUNOFF YIELD 3.92 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 118.78 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

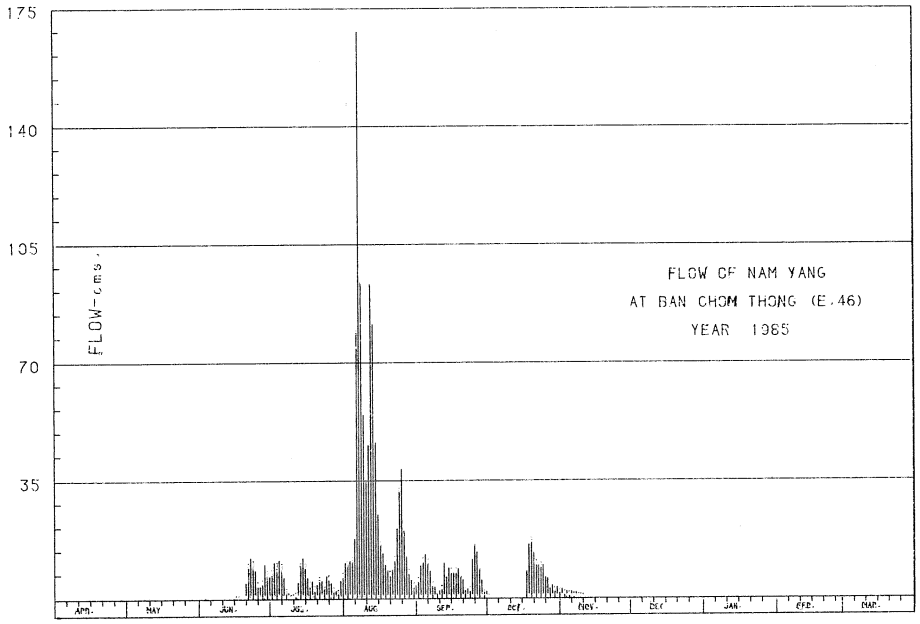
NAM YANG AT BAN CHOM THONG, KALASIN (E.46)

LOCATION	LAT. 16-36-06 N., LONG. 103-58-01 E., ON LEFT BANK AT HIGHWAY BRIDGE, BAN CHOM THONG, AMPHOE KUCHINARAI, KALASIN.
DRAINAGE AREA	502 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.485 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968-1971, 1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1970, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1970, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.05 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	0.22	0.24	2.63	3.09	2.04	0.69	1.11	0.34	0.25	0.21	0.22	
2	0.20	0.20	0.30	3.11	3.19	2.91	0.62	1.01	0.32	0.26	0.21	0.22	
3	0.20	0.31	0.44	3.11	3.20	3.39	0.55	0.92	0.31	0.26	0.22	0.21	
4	0.20	0.33	0.43	3.24	3.44	3.59	0.51	0.91	0.32	0.25	0.21	0.20	
5	0.20	0.32	0.46	3.09	3.79	3.32	0.45	0.89	0.30	0.24	0.24	0.19	
6	0.23	0.27	0.46	2.05	4.36	2.52	0.47	0.81	0.30	0.25	0.25	0.18	
7	0.25	0.28	0.39	1.19	4.66	1.74	0.45	0.82	0.29	0.28	0.24	0.19	
8	0.22	0.38	0.33	0.82	4.43	1.28	0.42	0.75	0.31	0.31	0.24	0.20	
9	0.20	0.47	0.27	0.68	4.22	1.08	0.40	0.73	0.29	0.28	0.24	0.20	
10	0.19	0.38	0.25	0.74	4.08	0.95	0.37	0.68	0.32	0.25	0.23	0.20	
11	0.19	0.38	0.27	0.88	4.16	1.47	0.36	0.59	0.33	0.24	0.24	0.20	
12	0.20	0.51	0.25	1.67	4.43	3.06	0.30	0.53	0.31	0.24	0.24	0.20	
13	0.19	0.46	0.23	3.08	4.37	2.44	0.37	0.54	0.30	0.24	0.25	0.19	
14	0.20	0.43	0.25	3.38	4.17	2.75	0.35	0.50	0.31	0.24	0.23	0.19	
15	0.19	0.44	0.37	3.07	3.94	2.71	0.33	0.48	0.31	0.25	0.25	0.19	
16	0.20	0.42	0.62	2.03	3.76	2.36	0.38	0.45	0.31	0.25	0.23	0.19	
17	0.20	0.39	0.58	1.75	3.61	2.74	2.66	0.44	0.29	0.24	0.22	0.20	
18	0.19	0.38	0.54	1.76	3.26	2.69	3.73	0.40	0.28	0.24	0.23	0.20	
19	0.19	0.35	0.58	1.38	2.56	2.45	3.80	0.39	0.28	0.24	0.24	0.20	
20	0.19	0.36	1.64	1.50	2.52	1.85	3.62	0.39	0.27	0.24	0.25	0.20	
21	0.19	0.37	3.08	2.09	2.60	1.42	3.23	0.36	0.27	0.24	0.24	0.20	
22	0.18	0.40	3.40	1.77	3.48	1.12	2.92	0.35	0.23	0.23	0.23	0.20	
23	0.18	0.32	3.24	1.55	3.86	1.29	3.08	0.35	0.25	0.23	0.21	0.21	
24	0.20	0.30	2.57	2.15	4.05	3.27	2.95	0.33	0.25	0.28	0.22	0.22	
25	0.19	0.28	1.74	2.23	4.11	3.76	2.43	0.34	0.22	0.27	0.22	0.21	
26	0.19	0.28	1.34	1.63	3.87	3.63	1.96	0.32	0.22	0.24	0.24	0.21	
27	0.18	0.26	1.88	1.28	3.46	2.92	1.59	0.32	0.26	0.23	0.23	0.21	
28	0.31	0.25	3.01	0.97	2.64	1.83	1.41	0.30	0.26	0.22	0.22	0.20	
29	0.29	0.26	2.58	1.10	1.83	1.27	1.29	0.32	0.24	0.21		0.20	
30	0.25	0.23	2.11	1.82	1.64	0.90	1.27	0.35	0.26	0.24		0.19	
31		0.25		2.40	1.41		1.17		0.25	0.23		0.18	
MEAN	0.21	0.34	1.13	1.94	3.49	2.29	1.42	0.56	0.28	0.25	0.23	0.20	
MAX	0.31	0.51	3.40	3.38	4.66	3.76	3.80	1.11	0.34	0.31	0.25	0.22	4.66
MIN	0.18	0.20	0.23	0.68	1.41	0.90	0.30	0.30	0.22	0.21	0.21	0.18	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.74 M (A.D), AT 1.00 HOURS, ON AUG 7, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.13 M (A.D)
LEFT BANK ELEVATION 5.19 M (A.D)
RIGHT BANK ELEVATION 3.03 M (A.D), DRAINAGE AREA 502 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.07	0.09	8.57	10.55	6.21	1.22	2.69	0.23	0.10	0.06	0.07	
2	0.05	0.05	0.15	10.65	11.05	9.69	1.01	2.34	0.19	0.11	0.06	0.07	
3	0.05	0.17	0.47	10.65	11.10	12.05	0.80	2.02	0.17	0.11	0.07	0.06	
4	0.05	0.21	0.44	11.30	12.30	13.05	0.68	1.99	0.19	0.10	0.06	0.05	
5	0.05	0.19	0.53	10.55	17.70	11.70	0.50	1.92	0.15	0.09	0.09	0.04	
6	0.08	0.12	0.53	6.25	79.40	8.13	0.56	1.64	0.15	0.10	0.10	0.03	
7	0.10	0.13	0.33	2.97	168.00	5.01	0.50	1.67	0.14	0.13	0.09	0.04	
8	0.07	0.31	0.21	1.67	93.90	3.28	0.41	1.43	0.17	0.17	0.09	0.05	
9	0.05	0.56	0.12	1.19	54.40	2.58	0.35	1.36	0.14	0.13	0.09	0.05	
10	0.04	0.31	0.10	1.39	35.30	2.13	0.29	1.19	0.19	0.10	0.08	0.05	
11	0.04	0.31	0.12	1.88	45.40	3.95	0.27	0.92	0.21	0.09	0.09	0.05	
12	0.05	0.68	0.10	4.73	93.90	10.40	0.15	0.74	0.17	0.09	0.09	0.05	
13	0.04	0.53	0.08	10.50	81.30	7.81	0.29	0.77	0.15	0.09	0.10	0.04	
14	0.05	0.44	0.10	12.00	46.80	9.05	0.25	0.65	0.17	0.09	0.08	0.04	
15	0.04	0.47	0.29	10.45	24.90	8.89	0.21	0.59	0.17	0.10	0.10	0.04	
16	0.05	0.41	1.01	6.17	16.80	7.49	0.31	0.50	0.17	0.10	0.08	0.04	
17	0.05	0.33	0.89	5.05	13.29	9.01	8.69	0.47	0.14	0.09	0.07	0.05	
18	0.04	0.31	0.77	5.09	11.40	8.81	15.90	0.35	0.13	0.09	0.08	0.05	
19	0.04	0.25	0.89	3.63	8.29	7.85	18.00	0.33	0.13	0.09	0.09	0.05	
20	0.04	0.27	4.61	4.05	8.13	5.45	13.48	0.33	0.12	0.09	0.10	0.05	
21	0.04	0.29	10.50	6.41	8.45	3.77	11.25	0.27	0.12	0.09	0.09	0.05	
22	0.03	0.35	12.10	5.13	12.50	2.72	9.74	0.25	0.08	0.08	0.08	0.05	
23	0.03	0.19	11.30	4.25	20.70	3.32	10.50	0.25	0.10	0.08	0.06	0.06	
24	0.05	0.15	8.33	6.65	32.75	11.45	9.88	0.21	0.10	0.13	0.07	0.07	
25	0.04	0.13	5.01	6.97	38.40	16.80	7.77	0.23	0.07	0.12	0.07	0.06	
26	0.04	0.13	3.49	4.57	21.15	13.67	5.89	0.19	0.07	0.09	0.09	0.06	
27	0.03	0.11	5.57	3.28	12.40	9.74	4.41	0.19	0.11	0.08	0.08	0.06	
28	0.17	0.10	10.15	2.20	8.61	5.37	3.74	0.15	0.11	0.07	0.07	0.05	
29	0.14	0.11	8.37	2.65	5.37	3.25	3.32	0.19	0.09	0.06		0.05	
30	0.10	0.08	6.49	5.33	4.61	1.95	3.25	0.25	0.11	0.09		0.04	
31		0.10		7.65	3.74		2.90		0.10	0.08		0.03	
TOTAL	1.70	7.86	93.14	183.83	1012.59	224.58	136.52	26.08	4.34	3.03	2.28	1.55	1697.50 CMSDAY
MEAN	0.06	0.25	3.10	5.93	32.66	7.49	4.40	0.87	0.14	0.10	0.08	0.05	4.65 CMS
MAX	0.17	0.68	12.10	12.00	168.00	16.80	18.00	2.69	0.23	0.17	0.10	0.07	168.00 CMS
MIN	0.03	0.05	0.08	1.19	3.74	1.95	0.15	0.15	0.07	0.06	0.06	0.03	0.03 CMS
RUNOFF	0.147	0.679	8.047	15.883	87.488	19.404	11.795	2.253	0.375	0.262	0.197	0.134	146.664 MCM

MOMENTARY PEAK 221.60 CMS, AT 4.74 M (A.D), AT 1.00 HOURS, ON AUG 7, 1985

RUNOFF YIELD 9.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 441.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

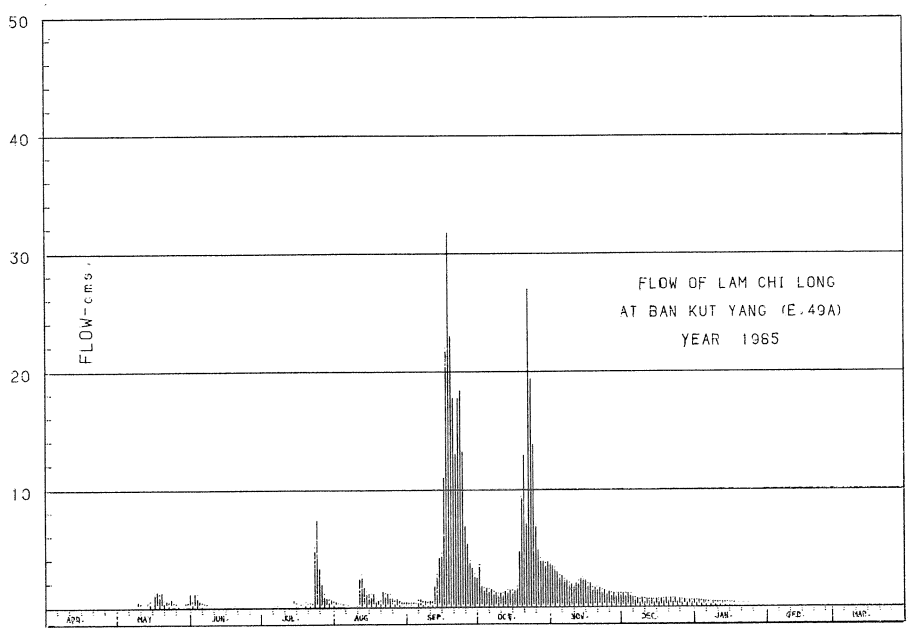
LAM CHI LONG AT BAN KUT YANG, CHAIYAPHUM (E.49A)

LOCATION	LAT. 15-48-44 N., LONG. 101-51-36 E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM THE WEIR, BAN KUT YANG, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	266 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+197.98 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5.00 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+203.163 M.(M.S.L.)
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	1985 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1985 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +200.49 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STREAM GAGING BEGAN ON MAY 1, 1985. STAGE-DISCHARGE RELATION DEFINED BY 41 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	198.30	198.64	198.34	198.60	198.55	199.91	199.87	198.91	198.65	198.39	198.23	
2	*******	198.31	198.89	198.37	198.55	198.56	199.27	199.83	198.88	198.65	198.37	198.21	
3	*******	198.33	198.83	198.37	198.51	198.54	199.22	199.70	198.84	198.63	198.36	198.22	
4	*******	198.33	198.63	198.38	198.47	198.52	199.20	199.61	198.81	198.62	198.37	198.21	
5	*******	198.32	198.57	198.41	198.50	198.70	199.18	199.59	198.80	198.60	198.34	198.20	
6	*******	198.29	198.53	198.40	198.38	198.72	199.14	199.50	198.79	198.57	198.33	198.20	
7	*******	198.31	198.48	198.35	198.37	198.63	199.08	199.45	198.73	198.57	198.34	198.23	
8	*******	198.44	198.45	198.32	198.35	198.63	199.02	199.40	198.71	198.57	198.35	198.30	
9	*******	198.59	198.43	198.33	198.36	198.60	198.96	199.33	198.76	198.57	198.34	198.22	
10	*******	198.51	198.42	198.34	198.55	198.64	198.95	199.35	198.75	198.56	198.33	198.21	
11	*******	198.39	198.40	198.33	199.51	198.61	199.00	199.37	198.72	198.55	198.33	198.20	
12	*******	198.37	198.35	198.38	199.65	199.27	199.07	199.45	198.71	198.55	198.30	198.20	
13	*******	198.55	198.37	198.51	199.23	199.64	199.13	199.50	198.71	198.54	198.28	198.20	
14	*******	198.65	198.35	198.68	199.09	200.10	199.12	199.55	198.71	198.54	198.29	198.22	
15	*******	198.45	198.37	198.54	198.92	200.23	199.12	199.46	198.71	198.52	198.30	198.28	
16	*******	199.11	198.40	198.48	198.88	201.05	199.09	199.36	198.72	198.53	198.30	198.29	
17	*******	199.07	198.41	198.45	198.84	201.34	199.27	199.37	198.72	198.51	198.30	198.28	
18	*******	198.91	198.41	198.48	198.78	201.49	200.25	199.22	198.75	198.47	198.27	198.21	
19	*******	199.04	198.39	198.62	198.66	201.36	200.96	199.21	198.75	198.46	198.25	198.20	
20	*******	198.71	198.39	198.51	198.69	201.26	201.13	199.24	198.75	198.49	198.23	198.19	
21	*******	198.65	198.41	198.56	199.07	201.14	200.78	199.20	198.75	198.47	198.24	198.19	
22	*******	198.59	198.41	198.53	199.01	201.26	201.42	199.14	198.75	198.47	198.26	198.18	
23	*******	198.73	198.43	200.36	198.88	201.28	201.30	199.11	198.75	198.46	198.24	198.18	
24	*******	198.55	198.43	200.79	198.83	201.14	201.16	199.07	198.74	198.47	198.23	198.19	
25	*******	198.52	198.42	199.90	198.76	200.75	200.74	199.05	198.72	198.46	198.21	198.17	
26	*******	198.29	198.41	199.34	198.69	200.42	200.29	199.02	198.70	198.43	198.25	198.17	
27	*******	198.42	198.40	198.96	198.74	200.02	200.09	198.99	198.68	198.43	198.28	198.17	
28	*******	198.40	198.38	198.77	198.64	199.81	199.99	198.96	198.66	198.42	198.41	198.18	
29	*******	198.54	198.39	198.76	198.57	199.65	199.95	198.96	198.65	198.39		198.17	
30	*******	198.56	198.36	198.71	198.55	199.53	199.98	198.88	198.65	198.39		198.28	
31		198.92		198.64	198.57		199.99		198.65	198.39		198.52	
MEAN	*******	198.55	198.46	198.71	198.75	199.85	199.80	199.32	198.74	198.51	198.30	198.22	
MAX	*******	199.11	198.89	200.79	199.65	201.49	201.42	199.87	198.91	198.65	198.41	198.52	201.49
MIN	*******	198.29	198.35	198.32	198.35	198.52	198.95	198.88	198.65	198.39	198.21	198.17	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 201.55 M (MSL), AT 12.00 HOURS, ON SEP 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 197.98 M (MSL), RIVER BED 198.88 M (MSL)
LEFT BANK ELEVATION 203.65 M (MSL)
RIGHT BANK ELEVATION 203.21 M (MSL), DRAINAGE AREA 266 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.12	0.54	0.16	0.48	0.41	3.63	3.51	1.18	0.56	0.21	0.06	
2	*******	0.13	1.18	0.19	0.41	0.42	1.79	3.39	1.17	0.56	0.19	0.05	
3	*******	0.15	1.16	0.19	0.35	0.40	1.68	3.00	1.16	0.53	0.18	0.06	
4	*******	0.15	0.53	0.20	0.30	0.37	1.63	2.73	1.16	0.51	0.19	0.05	
5	*******	0.14	0.44	0.23	0.34	0.64	1.59	2.67	0.81	0.48	0.16	0.04	
6	*******	0.11	0.38	0.22	0.20	0.67	1.50	2.40	0.79	0.44	0.15	0.04	
7	*******	0.13	0.32	0.17	0.19	0.53	1.37	2.25	0.69	0.44	0.16	0.06	
8	*******	0.27	0.28	0.14	0.17	0.53	1.24	2.10	0.66	0.44	0.17	0.12	
9	*******	0.47	0.26	0.15	0.18	0.48	1.19	1.93	0.74	0.44	0.16	0.06	
10	*******	0.35	0.24	0.16	0.41	0.54	1.19	1.98	0.73	0.42	0.15	0.05	
11	*******	0.21	0.22	0.15	2.43	0.50	1.20	2.03	0.67	0.41	0.15	0.04	
12	*******	0.19	0.17	0.20	2.85	1.79	1.35	2.25	0.66	0.41	0.12	0.04	
13	*******	0.41	0.19	0.35	1.70	2.82	1.48	2.40	0.66	0.40	0.10	0.04	
14	*******	0.56	0.17	0.61	1.39	4.20	1.45	2.55	0.66	0.40	0.11	0.06	
15	*******	0.28	0.19	0.40	1.18	4.62	1.45	2.28	0.66	0.37	0.12	0.10	
16	*******	1.43	0.22	0.32	1.17	11.00	1.39	2.00	0.67	0.38	0.12	0.11	
17	*******	1.35	0.23	0.28	1.16	22.00	1.79	2.03	0.67	0.35	0.12	0.10	
18	*******	1.18	0.23	0.32	0.78	31.81	4.70	1.68	0.73	0.30	0.10	0.05	
19	*******	1.28	0.21	0.51	0.58	23.20	9.40	1.65	0.73	0.29	0.08	0.04	
20	*******	0.66	0.21	0.35	0.62	17.76	12.90	1.72	0.73	0.33	0.06	0.04	
21	*******	0.56	0.23	0.42	1.35	13.20	7.34	1.63	0.73	0.30	0.07	0.04	
22	*******	0.47	0.23	0.38	1.22	17.76	26.98	1.50	0.73	0.30	0.09	0.03	
23	*******	0.69	0.26	5.14	1.17	18.68	19.60	1.43	0.73	0.29	0.07	0.03	
24	*******	0.41	0.26	7.42	1.16	13.20	13.80	1.35	0.71	0.30	0.06	0.04	
25	*******	0.37	0.24	3.60	0.74	7.10	7.02	1.30	0.67	0.29	0.05	0.03	
26	*******	0.11	0.23	1.96	0.62	5.38	4.86	1.24	0.64	0.26	0.08	0.03	
27	*******	0.24	0.22	1.19	0.71	3.96	4.17	1.20	0.61	0.26	0.10	0.03	
28	*******	0.22	0.20	0.76	0.54	3.33	3.87	1.19	0.58	0.24	0.23	0.03	
29	*******	0.40	0.21	0.74	0.44	2.85	3.75	1.19	0.56	0.21		0.03	
30	*******	0.42	0.18	0.66	0.41	2.49	3.84	1.17	0.56	0.21		0.10	
31		1.18		0.54	0.44		3.87		0.56	0.21		0.37	
TOTAL	*******	14.64	9.63	28.11	25.69	212.64	153.02	59.75	23.01	11.33	3.55	1.97	******** CMSDAY
MEAN	*******	0.47	0.32	0.91	0.83	7.09	4.94	1.99	0.74	0.37	0.13	0.06	******** CMS
MAX	*******	1.43	1.18	7.42	2.85	31.81	26.98	3.51	1.18	0.56	0.23	0.37	31.81 CMS
MIN	*******	0.11	0.17	0.14	0.17	0.37	1.19	1.17	0.56	0.21	0.05	0.03	******** CMS
RUNOFF	*******	1.265	0.832	2.429	2.220	18.372	13.221	5.162	1.988	0.979	0.307	0.170	******** MCM

MOMENTARY PEAK 36.75 CMS, AT 201.55 M (MSL), AT 12.00 HOURS, ON SEP 18, 1985

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 138.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

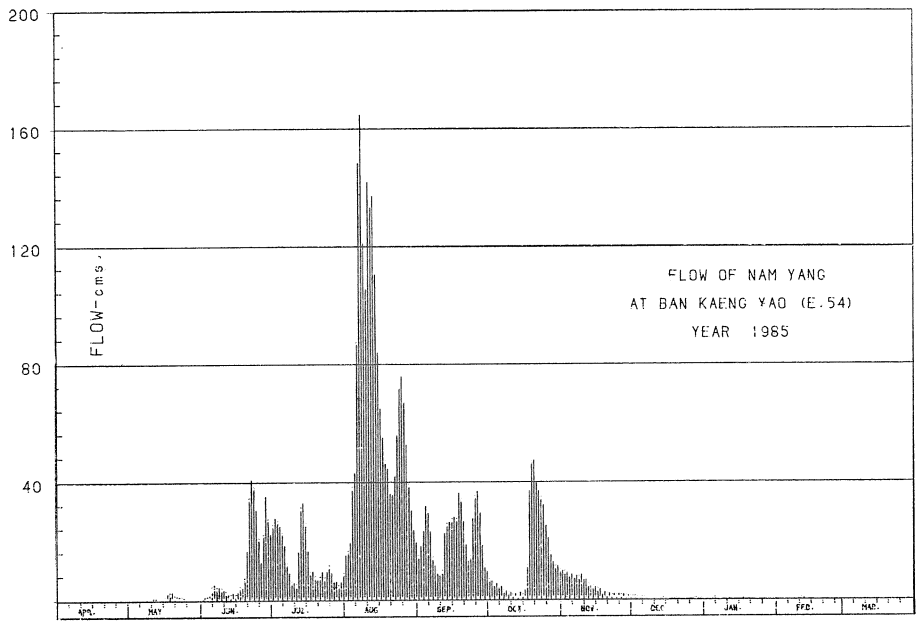
NAM YANG AT BAN KAENG YAO, KALASIN (E.54)

LOCATION	LAT. 16-26-29 N., LONG. 104-02-07 E., ON LEFT BANK AT BAN KAENG YAO ABOUT 2 KILOMETERS DOWNSTREAM FROM PROPOSED OF USBR DAMSITE, AMPHOE KUCHINARAI, KALASIN.
DRAINAGE AREA	1,511 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT ABUTMENT OF THE BRIDGE.
ELEVATION	+11.648 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	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 - 1977, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 - 1977, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 103 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.82	0.76	0.77	2.22	1.88	1.88	1.55	1.68	1.09	0.91	0.90	0.88	
2	0.82	0.75	1.07	2.29	1.93	1.98	1.51	1.68	1.08	0.90	0.92	0.85	
3	0.80	0.75	1.09	2.26	2.02	2.18	1.49	1.65	1.07	0.89	0.86	0.83	
4	0.83	0.75	1.14	2.20	2.63	2.42	1.46	1.63	1.07	1.00	0.81	0.81	
5	0.83	0.75	1.41	2.13	2.78	2.38	1.44	1.62	1.06	0.99	0.94	0.84	
6	0.82	0.75	1.45	1.99	4.21	2.14	1.40	1.61	1.05	1.05	0.87	0.84	
7	0.78	0.73	1.40	1.79	5.83	1.86	1.32	1.60	1.02	1.05	0.89	0.83	
8	0.83	0.91	1.40	1.65	6.25	1.75	1.28	1.59	1.00	1.01	0.86	0.81	
9	0.76	0.87	1.38	1.51	5.15	1.69	1.26	1.62	1.00	1.01	0.87	0.81	
10	0.75	0.93	1.32	1.49	4.77	1.60	1.23	1.59	1.00	1.01	0.88	0.83	
11	0.74	1.01	1.30	1.46	5.67	1.69	1.19	1.53	1.01	1.10	0.97	0.81	
12	0.80	1.00	1.19	1.92	5.48	2.12	1.19	1.46	1.01	0.96	0.87	0.81	
13	0.76	1.00	1.20	2.41	5.55	2.22	1.15	1.40	1.01	0.95	0.86	0.86	
14	0.74	1.07	1.23	2.46	4.90	2.24	1.23	1.42	0.98	0.93	0.85	0.90	
15	0.76	1.04	1.20	2.24	4.10	2.28	1.19	1.38	0.95	0.87	0.86	0.87	
16	0.83	1.07	1.25	1.93	3.52	2.30	1.30	1.36	0.98	0.96	0.84	0.85	
17	0.80	1.21	1.41	1.67	3.17	2.28	1.76	1.32	0.95	1.11	0.79	0.80	
18	0.78	1.26	1.37	1.68	2.92	2.56	2.58	1.28	0.94	1.03	0.85	0.80	
19	0.74	1.26	1.57	1.60	2.83	2.50	2.91	1.25	0.97	0.98	0.82	0.78	
20	0.71	1.15	1.93	1.53	2.59	2.25	2.92	1.22	0.98	0.97	0.82	0.78	
21	0.74	1.11	2.51	1.59	2.54	2.03	2.72	1.20	0.96	0.95	0.90	0.79	
22	0.75	1.08	2.71	1.67	2.78	1.81	2.58	1.17	0.96	0.95	0.85	0.81	
23	0.72	1.09	2.63	1.58	3.19	1.87	2.52	1.17	0.94	0.96	0.83	0.81	
24	0.78	1.02	2.38	1.67	3.73	2.28	2.43	1.16	0.93	0.98	0.85	0.79	
25	0.81	0.94	2.07	1.76	3.84	2.53	2.24	1.17	0.91	1.07	0.85	0.78	
26	0.75	0.92	1.80	1.65	3.58	2.58	2.07	1.16	0.89	0.99	0.86	0.81	
27	0.77	0.88	2.11	1.56	3.09	2.37	1.92	1.15	0.96	0.97	0.85	0.83	
28	0.77	0.85	2.53	1.51	2.66	1.99	1.80	1.12	0.95	0.92	0.90	0.80	
29	0.74	0.84	2.28	1.44	2.37	1.77	1.75	1.11	0.94	0.93		0.79	
30	0.74	0.84	2.11	1.50	2.19	1.67	1.75	1.10	0.93	0.88		0.84	
31		0.80		1.65	2.02		1.70		0.93	0.86		0.83	
MEAN	0.78	0.95	1.64	1.81	3.55	2.11	1.77	1.38	0.98	0.97	0.87	0.82	
MAX	0.83	1.26	2.71	2.46	6.25	2.58	2.92	1.68	1.09	1.11	0.97	0.90	6.25
MIN	0.71	0.73	0.77	1.44	1.88	1.60	1.15	1.10	0.89	0.86	0.79	0.78	0.71

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.46 M (A.D), AT 6.00 HOURS, ON AUG 8, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.26 M (A.D)
LEFT BANK ELEVATION 8.52 M (A.D)
RIGHT BANK ELEVATION 8.42 M (A.D), DRAINAGE AREA 1511 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.06	0.07	25.62	15.12	15.12	7.10	9.78	1.24	0.34	0.30	0.26	
2	0.14	0.05	1.11	27.79	16.63	18.18	6.30	9.78	1.17	0.30	0.37	0.20	
3	0.10	0.05	1.24	26.86	19.42	24.38	5.93	9.15	1.11	0.28	0.22	0.16	
4	0.16	0.05	1.58	25.00	38.33	31.82	5.42	8.73	1.11	0.65	0.12	0.12	
5	0.16	0.05	4.57	22.83	42.98	30.58	5.08	8.52	1.04	0.62	0.44	0.18	
6	0.14	0.05	5.25	18.49	87.31	23.14	4.40	8.31	0.97	0.97	0.24	0.18	
7	0.08	0.03	4.40	12.54	148.20	14.54	3.36	8.10	0.78	0.97	0.28	0.16	
8	0.16	0.34	4.40	9.15	165.75	11.50	2.88	7.90	0.65	0.71	0.22	0.12	
9	0.06	0.24	4.14	6.30	121.00	9.99	2.66	8.52	0.65	0.71	0.24	0.12	
10	0.05	0.41	3.36	5.93	106.46	8.10	2.33	7.90	0.65	0.71	0.26	0.16	
11	0.04	0.71	3.10	5.42	141.80	9.99	1.93	6.70	0.71	1.30	0.55	0.12	
12	0.10	0.65	1.93	16.32	134.20	22.52	1.93	5.42	0.71	0.51	0.24	0.12	
13	0.06	0.65	2.00	31.51	137.00	25.93	1.65	4.40	0.71	0.48	0.22	0.22	
14	0.04	1.11	2.33	33.06	111.40	26.24	2.33	4.74	0.58	0.41	0.20	0.30	
15	0.06	0.91	2.00	26.24	83.90	27.48	1.93	4.14	0.48	0.24	0.22	0.24	
16	0.16	1.11	2.55	16.63	65.92	28.10	3.10	3.88	0.58	0.51	0.18	0.20	
17	0.10	2.11	4.57	9.57	55.07	27.48	11.76	3.36	0.48	1.37	0.09	0.10	
18	0.08	2.66	4.01	9.78	47.32	36.16	36.78	2.88	0.44	0.84	0.20	0.10	
19	0.04	2.66	7.50	8.10	44.53	34.30	47.01	2.55	0.55	0.58	0.14	0.08	
20	0.01	1.65	16.63	6.70	37.09	26.55	47.32	2.22	0.58	0.55	0.14	0.08	
21	0.04	1.37	34.61	7.90	35.54	19.73	41.12	2.00	0.51	0.48	0.30	0.09	
22	0.05	1.17	40.81	9.57	42.98	13.09	36.78	1.79	0.51	0.48	0.20	0.12	
23	0.02	1.24	38.33	7.70	55.69	14.83	34.92	1.79	0.44	0.51	0.16	0.12	
24	0.08	0.78	30.58	9.57	72.43	27.48	32.13	1.72	0.41	0.58	0.20	0.09	
25	0.12	0.44	20.97	11.76	75.84	35.23	26.24	1.79	0.34	1.11	0.20	0.08	
26	0.05	0.37	12.80	9.15	67.78	36.78	20.97	1.72	0.28	0.62	0.22	0.12	
27	0.07	0.26	22.21	7.30	52.59	30.27	16.32	1.65	0.51	0.55	0.20	0.16	
28	0.07	0.20	35.23	6.30	39.26	18.49	12.80	1.44	0.48	0.37	0.30	0.10	
29	0.04	0.18	27.48	5.08	30.27	12.02	11.50	1.37	0.44	0.41		0.09	
30	0.04	0.18	22.21	6.10	24.69	9.57	11.50	1.30	0.41	0.26		0.18	
31		0.10		9.15	19.42		10.20		0.41	0.22		0.16	
TOTAL	2.46	21.84	361.97	433.42	2135.92	669.59	455.68	143.55	19.93	18.64	6.65	4.53	4274.18 CMSDAY
MEAN	0.08	0.70	12.07	13.98	68.90	22.32	14.70	4.78	0.64	0.60	0.24	0.15	11.71 CMS
MAX	0.16	2.66	40.81	33.06	165.75	36.78	47.32	9.78	1.24	1.37	0.55	0.30	165.75 CMS
MIN	0.01	0.03	0.07	5.08	15.12	8.10	1.65	1.30	0.28	0.22	0.09	0.08	0.01 CMS
RUNOFF	0.213	1.887	31.274	37.447	184.543	57.853	39.371	12.403	1.722	1.610	0.575	0.391	369.289 MCM

MOMENTARY PEAK 175.20 CMS, AT 6.46 M (A.D), AT 6.00 HOURS, ON AUG 8, 1985

RUNOFF YIELD 7.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 115.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

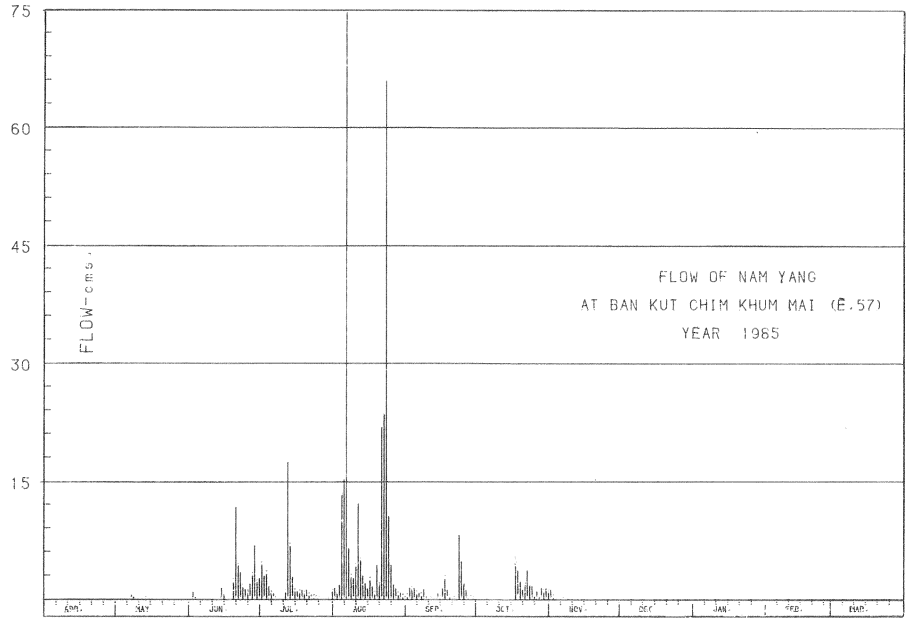
NAM YANG AT BAN KUT CHIM KHUM MAI, KALASIN (E.57)

LOCATION	LAT. 16-41-05 N., LONG. 104-05-10 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY BAN KUT CHIM KHUM MAI, AMPHOE KHAO WONG, KALASIN.
DRAINAGE AREA	98 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.757 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 MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969-1971, 1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1970, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1970, 1984 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.19	0.27	0.06	0.67	0.50	0.42	0.33	0.47	0.18	0.00	0.00	0.00	
2	0.19	0.26	0.44	0.59	0.46	0.50	0.32	0.41	0.18	0.00	0.00	0.00	
3	0.19	0.27	0.33	0.62	0.52	0.51	0.31	0.37	0.17	0.00	0.00	0.00	
4	0.19	0.28	0.30	0.51	0.91	0.50	0.30	0.35	0.17	0.00	0.00	0.00	
5	0.19	0.28	0.33	0.46	0.94	0.46	0.29	0.37	0.16	0.00	0.00	0.00	
6	0.19	0.28	0.29	0.42	1.79	0.43	0.29	0.34	0.16	0.00	0.00	0.00	
7	0.19	0.40	0.27	0.38	0.73	0.44	0.28	0.33	0.15	0.00	0.00	0.00	
8	0.19	0.34	0.26	0.35	0.60	0.48	0.27	0.32	0.15	0.00	0.00	0.00	
9	0.19	0.28	0.26	0.35	0.57	0.35	0.26	0.31	0.15	0.00	0.00	0.00	
10	0.19	0.24	0.23	0.37	0.66	0.34	0.25	0.31	0.14	0.00	0.00	0.00	
11	0.19	0.24	0.22	0.48	0.88	0.35	0.25	0.30	0.14	0.00	0.00	0.00	
12	0.19	0.34	0.21	0.98	0.69	0.36	0.25	0.30	0.13	0.00	0.00	0.00	
13	0.19	0.36	0.20	0.75	0.59	0.35	0.24	0.29	0.13	0.00	0.00	0.00	
14	0.19	0.27	0.50	0.58	0.56	0.42	0.22	0.26	0.13	0.00	0.00	0.00	
15	0.19	0.25	0.46	0.49	0.49	0.39	0.23	0.24	0.12	0.00	0.00	0.00	
16	0.19	0.28	0.35	0.45	0.58	0.49	0.24	0.23	0.12	0.00	0.00	0.00	
17	0.19	0.27	0.33	0.48	0.51	0.59	0.67	0.22	0.11	0.00	0.00	0.00	
18	0.19	0.24	0.36	0.47	0.46	0.47	0.62	0.22	0.10	0.00	0.00	0.00	
19	0.19	0.24	0.57	0.46	0.65	0.42	0.57	0.21	0.09	0.00	0.00	0.00	
20	0.19	0.25	0.87	0.47	0.54	0.39	0.47	0.21	0.09	0.00	0.00	0.00	
21	0.19	0.24	0.66	0.44	1.05	0.37	0.54	0.20	0.08	0.00	0.00	0.00	
22	0.19	0.23	0.61	0.41	1.08	0.34	0.62	0.20	0.08	0.00	0.00	0.00	
23	0.19	0.21	0.53	0.41	1.50	0.79	0.54	0.20	0.07	0.00	0.00	0.00	
24	0.23	0.20	0.48	0.39	0.85	0.67	0.51	0.19	0.07	0.00	0.00	0.00	
25	0.27	0.20	0.48	0.38	0.65	0.55	0.43	0.19	0.06	0.00	0.00	0.00	
26	0.26	0.20	0.53	0.37	0.55	0.47	0.45	0.19	0.06	0.00	0.00	0.00	
27	0.23	0.19	0.61	0.37	0.49	0.40	0.43	0.19	0.05	0.00	0.00	0.00	
28	0.22	0.19	0.74	0.36	0.45	0.39	0.50	0.19	0.05	0.00	0.00	0.00	
29	0.21	0.19	0.56	0.36	0.43	0.38	0.49	0.19	0.04	0.00		0.00	
30	0.20	0.18	0.57	0.35	0.42	0.35	0.49	0.19	0.03	0.00		0.00	
31		0.16		0.49	0.38		0.49		0.02	0.00		0.00	
MEAN	0.20	0.25	0.42	0.47	0.69	0.45	0.39	0.27	0.11	0.00	0.00	0.00	
MAX	0.27	0.40	0.87	0.98	1.79	0.79	0.67	0.47	0.18	0.00	0.00	0.00	1.79
MIN	0.19	0.16	0.06	0.35	0.38	0.34	0.22	0.19	0.02	0.00	0.00	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.55 M (A.D), AT 6.00 HOURS, ON AUG 6, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 6.21 M (A.D)
RIGHT BANK ELEVATION 6.21 M (A.D), DRAINAGE AREA 98 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.08	0.00	4.81	1.42	0.69	0.23	1.15	0.00	0.00	0.00	0.00	
2	0.00	0.07	0.87	3.02	1.06	1.42	0.19	0.60	0.00	0.00	0.00	0.00	
3	0.00	0.08	0.23	3.66	1.78	1.60	0.15	0.39	0.00	0.00	0.00	0.00	
4	0.00	0.09	0.11	1.60	13.56	1.42	0.11	0.31	0.00	0.00	0.00	0.00	
5	0.00	0.09	0.23	1.06	15.24	1.06	0.10	0.39	0.00	0.00	0.00	0.00	
6	0.00	0.09	0.10	0.69	114.60	0.78	0.10	0.27	0.00	0.00	0.00	0.00	
7	0.00	0.51	0.08	0.43	6.49	0.87	0.09	0.23	0.00	0.00	0.00	0.00	
8	0.00	0.27	0.07	0.31	3.20	1.24	0.08	0.19	0.00	0.00	0.00	0.00	
9	0.00	0.09	0.07	0.31	2.67	0.31	0.07	0.15	0.00	0.00	0.00	0.00	
10	0.00	0.04	0.03	0.39	4.58	0.27	0.05	0.15	0.00	0.00	0.00	0.00	
11	0.00	0.04	0.02	1.24	12.16	0.31	0.05	0.11	0.00	0.00	0.00	0.00	
12	0.00	0.27	0.01	17.48	5.27	0.35	0.05	0.11	0.00	0.00	0.00	0.00	
13	0.00	0.35	0.00	7.15	3.02	0.31	0.04	0.10	0.00	0.00	0.00	0.00	
14	0.00	0.08	1.42	2.84	2.49	0.69	0.02	0.07	0.00	0.00	0.00	0.00	
15	0.00	0.05	1.06	1.33	1.33	0.47	0.03	0.04	0.00	0.00	0.00	0.00	
16	0.00	0.09	0.31	0.96	2.84	1.33	0.04	0.03	0.00	0.00	0.00	0.00	
17	0.00	0.08	0.23	1.24	1.60	3.02	4.81	0.02	0.00	0.00	0.00	0.00	
18	0.00	0.04	0.35	1.15	1.06	1.15	3.66	0.02	0.00	0.00	0.00	0.00	
19	0.00	0.04	2.67	1.06	4.35	0.69	2.67	0.01	0.00	0.00	0.00	0.00	
20	0.00	0.05	11.74	1.15	2.13	0.47	1.15	0.01	0.00	0.00	0.00	0.00	
21	0.00	0.04	4.58	0.87	21.90	0.39	2.13	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.03	3.43	0.60	23.88	0.27	3.66	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.01	1.95	0.60	66.00	8.47	2.13	0.00	0.00	0.00	0.00	0.00	
24	0.03	0.00	1.24	0.47	10.90	4.81	1.60	0.00	0.00	0.00	0.00	0.00	
25	0.08	0.00	1.24	0.43	4.35	2.31	0.78	0.00	0.00	0.00	0.00	0.00	
26	0.07	0.00	1.95	0.39	2.31	1.15	0.96	0.00	0.00	0.00	0.00	0.00	
27	0.03	0.00	3.43	0.39	1.33	0.51	0.78	0.00	0.00	0.00	0.00	0.00	
28	0.02	0.00	6.82	0.35	0.96	0.47	1.42	0.00	0.00	0.00	0.00	0.00	
29	0.01	0.00	2.49	0.35	0.78	0.43	1.33	0.00	0.00	0.00		0.00	
30	0.00	0.00	2.67	0.31	0.69	0.31	1.33	0.00	0.00	0.00		0.00	
31		0.00		1.33	0.43		1.33		0.00	0.00		0.00	
TOTAL	0.24	2.58	49.40	57.97	334.38	37.57	31.14	4.35	0.00	0.00	0.00	0.00	517.63 CMSDAY
MEAN	0.01	0.08	1.65	1.87	10.79	1.25	1.00	0.15	0.00	0.00	0.00	0.00	1.42 CMS
MAX	0.08	0.51	11.74	17.48	114.60	8.47	4.81	1.15	0.00	0.00	0.00	0.00	114.60 CMS
MIN	0.00	0.00	0.00	0.31	0.43	0.27	0.02	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.021	0.223	4.268	5.009	28.890	3.246	2.690	0.376	0.000	0.000	0.000	0.000	44.723 MCM

MOMENTARY PEAK 320.00 CMS, AT 2.55 M (A.D), AT 6.00 HOURS, ON AUG 6, 1985

RUNOFF YIELD 14.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3265.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

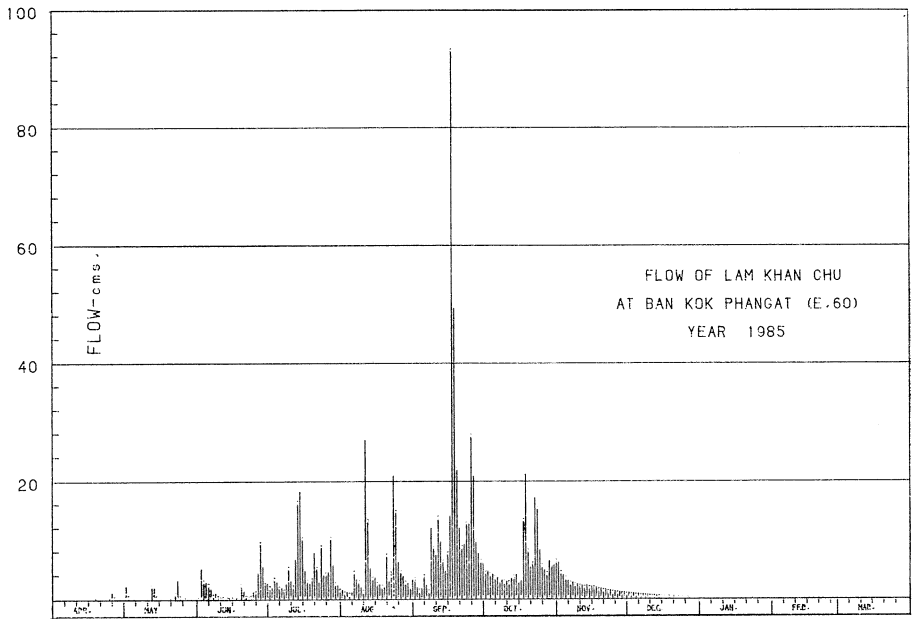
LAM KHAN CHU AT BAN KHOK PHANGAT, CHAIYAPHUM (E.60)

LOCATION	LAT. 15-29-14 N., LONG. 101-33-32 E., ON LEFT BANK ABOUT 500 METERS FROM BAN KHOK PHANGAT, AMPHOE BAMNET NARONG, CHAIYAPHUM.
DRAINAGE AREA	205 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 8 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.326 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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 91 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.71	1.70	0.95	1.72	1.51	2.06	2.30	2.56	1.32	0.96	0.83	0.71	
2	0.71	1.18	2.38	1.62	1.44	1.64	2.31	2.29	1.31	0.96	0.83	0.75	
3	0.70	0.94	1.97	2.08	1.39	1.57	2.25	2.17	1.29	0.96	0.83	0.71	
4	0.71	0.86	1.88	1.88	1.35	1.58	2.19	2.11	1.27	0.97	0.83	0.73	
5	0.68	0.82	1.84	1.70	1.35	2.18	2.13	1.94	1.26	0.97	0.83	0.68	
6	0.66	0.79	1.57	1.62	2.31	1.73	2.07	1.89	1.24	0.95	0.83	0.67	
7	0.65	0.76	1.26	1.55	1.99	1.53	2.00	1.86	1.23	0.95	0.87	0.68	
8	0.65	0.76	1.32	1.79	1.96	3.43	1.96	1.82	1.21	0.94	0.84	0.68	
9	0.64	0.79	1.16	2.44	1.64	2.99	1.94	1.79	1.19	0.93	0.82	0.72	
10	0.63	0.83	1.06	1.92	1.53	2.76	1.91	1.76	1.17	0.92	0.81	0.70	
11	0.63	0.95	1.05	1.75	4.75	3.71	1.93	1.73	1.16	0.92	0.80	0.69	
12	0.63	1.78	1.02	2.64	3.65	3.10	2.02	1.71	1.15	0.91	0.75	0.68	
13	0.63	1.63	1.01	4.01	2.39	2.62	2.15	1.75	1.13	0.91	0.75	0.73	
14	0.63	1.14	1.01	4.14	2.10	2.29	2.18	1.70	1.12	0.90	0.77	0.68	
15	0.63	0.96	1.02	3.22	2.07	2.85	1.98	1.68	1.12	0.88	0.76	0.69	
16	0.63	0.89	1.01	2.31	1.87	3.71	1.92	1.69	1.11	0.87	0.76	0.63	
17	0.65	0.94	1.01	1.98	1.77	6.78	3.65	1.64	1.10	0.87	0.79	0.69	
18	0.90	0.86	1.02	1.81	1.75	5.73	4.37	1.61	1.09	0.93	0.79	0.71	
19	0.83	0.85	1.80	2.04	1.64	4.45	2.92	1.59	1.08	0.93	0.75	0.63	
20	0.77	0.84	1.44	2.83	2.80	3.44	2.42	1.56	1.07	0.94	0.75	0.65	
21	0.70	0.83	1.17	2.43	1.88	3.01	2.56	1.54	1.06	0.94	0.73	0.68	
22	0.65	1.37	1.15	1.86	2.39	3.04	4.05	1.51	1.05	0.91	0.73	0.66	
23	0.66	1.96	1.16	3.02	4.35	3.58	3.90	1.49	1.03	0.91	0.73	0.66	
24	0.86	1.15	1.41	2.15	3.83	3.53	2.90	1.46	1.03	0.90	0.71	0.67	
25	1.36	0.99	1.48	2.35	2.56	4.81	2.50	1.44	1.02	0.87	0.74	0.67	
26	1.10	0.94	2.23	2.26	2.31	4.35	2.33	1.42	1.00	0.85	0.68	0.60	
27	0.91	0.93	3.11	3.22	2.12	3.17	2.26	1.39	1.00	0.85	0.73	0.60	
28	0.84	0.88	2.44	2.48	1.92	2.81	2.60	1.38	1.00	0.84	0.73	0.63	
29	0.78	0.86	1.86	1.87	1.83	2.64	2.52	1.37	0.99	0.85		0.60	
30	0.75	0.98	1.83	1.73	1.76	2.53	2.48	1.34	0.98	0.85		0.60	
31		0.96		1.59	1.96		2.64		0.97	0.84		0.65	
MEAN	0.74	1.04	1.49	2.26	2.20	3.12	2.49	1.71	1.12	0.91	0.78	0.67	
MAX	1.36	1.96	3.11	4.14	4.75	6.78	4.37	2.56	1.32	0.97	0.87	0.75	6.78
MIN	0.63	0.76	0.95	1.55	1.35	1.53	1.91	1.34	0.97	0.84	0.68	0.60	0.60

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.95 M (A.D), AT 18.00 HOURS, ON SEP 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.55 M (A.D)
LEFT BANK ELEVATION 7.72 M (A.D)
RIGHT BANK ELEVATION 7.81 M (A.D), DRAINAGE AREA 205 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	2.20	0.32	2.28	1.54	3.64	4.80	6.26	1.02	0.33	0.18	0.08	
2	0.08	0.70	5.20	1.91	1.34	1.98	4.85	4.75	1.00	0.33	0.18	0.11	
3	0.07	0.30	3.28	3.72	1.20	1.74	4.55	4.15	0.95	0.33	0.18	0.08	
4	0.08	0.21	2.92	2.92	1.10	1.77	4.25	3.85	0.90	0.34	0.18	0.09	
5	0.06	0.17	2.76	2.20	1.10	4.20	3.95	3.16	0.88	0.34	0.18	0.06	
6	0.04	0.14	1.74	1.91	4.85	2.32	3.68	2.96	0.83	0.32	0.18	0.05	
7	0.03	0.12	0.88	1.67	3.36	1.61	3.40	2.84	0.81	0.32	0.22	0.06	
8	0.03	0.12	1.02	2.56	3.24	12.01	3.24	2.68	0.76	0.30	0.19	0.06	
9	0.03	0.14	0.66	5.54	1.98	8.93	3.16	2.56	0.72	0.29	0.17	0.09	
10	0.02	0.18	0.48	3.08	1.61	7.46	3.04	2.44	0.68	0.28	0.16	0.07	
11	0.02	0.32	0.46	2.40	27.00	14.08	3.12	2.32	0.66	0.28	0.15	0.06	
12	0.02	2.52	0.41	6.74	13.60	9.70	3.48	2.24	0.64	0.26	0.11	0.06	
13	0.02	1.95	0.40	16.72	5.25	6.62	4.05	2.40	0.61	0.26	0.11	0.09	
14	0.02	0.63	0.40	18.28	3.80	4.75	4.20	2.20	0.59	0.25	0.13	0.06	
15	0.02	0.33	0.41	10.54	3.68	8.00	3.32	2.13	0.59	0.23	0.12	0.06	
16	0.02	0.24	0.40	4.85	2.88	14.08	3.08	2.16	0.57	0.22	0.12	0.02	
17	0.03	0.30	0.40	3.32	2.48	93.36	13.60	1.98	0.55	0.22	0.14	0.06	
18	0.25	0.21	0.41	2.64	2.40	49.36	21.18	1.88	0.53	0.29	0.14	0.08	
19	0.18	0.20	2.60	3.56	1.98	22.30	8.44	1.81	0.52	0.29	0.11	0.02	
20	0.13	0.19	1.34	7.88	7.70	12.08	5.42	1.71	0.50	0.30	0.11	0.03	
21	0.07	0.18	0.68	5.48	2.92	9.07	6.26	1.64	0.48	0.30	0.09	0.06	
22	0.03	1.15	0.64	2.84	5.25	9.28	17.20	1.54	0.46	0.26	0.09	0.04	
23	0.04	3.24	0.66	9.14	20.90	13.06	15.70	1.48	0.43	0.26	0.09	0.04	
24	0.21	0.64	1.25	4.05	15.07	12.71	8.30	1.39	0.43	0.25	0.08	0.05	
25	1.12	0.37	1.45	4.55	6.26	27.98	5.90	1.34	0.41	0.22	0.10	0.05	
26	0.55	0.30	4.45	4.60	4.85	20.90	4.95	1.28	0.38	0.20	0.06	0.00	
27	0.26	0.29	9.77	10.54	3.90	10.19	4.60	1.20	0.38	0.20	0.09	0.00	
28	0.19	0.23	5.54	5.78	3.08	7.76	6.50	1.17	0.38	0.19	0.09	0.02	
29	0.13	0.21	2.84	2.88	2.72	6.74	6.02	1.15	0.37	0.20		0.00	
30	0.11	0.35	2.72	2.32	2.44	6.08	5.78	1.07	0.35	0.20		0.00	
31		0.33		1.81	3.24		6.74		0.34	0.19		0.03	
TOTAL	3.94	18.46	56.49	158.71	162.72	403.76	196.76	69.74	18.72	8.25	3.75	1.58	1102.88 CMSDAY
MEAN	0.13	0.60	1.88	5.12	5.25	13.46	6.35	2.32	0.60	0.27	0.13	0.05	3.02 CMS
MAX	1.12	3.24	9.77	18.28	27.00	93.36	21.18	6.26	1.02	0.34	0.22	0.11	93.36 CMS
MIN	0.02	0.12	0.32	1.67	1.10	1.61	3.04	1.07	0.34	0.19	0.06	0.00	0.00 CMS
RUNOFF	0.340	1.595	4.881	13.713	14.059	34.885	17.000	6.026	1.617	0.713	0.324	0.137	95.289 MCM

MOMENTARY PEAK 103.40 CMS, AT 6.95 M (A.D), AT 18.00 HOURS, ON SEP 17, 1985
RUNOFF YIELD 14.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 504.39 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

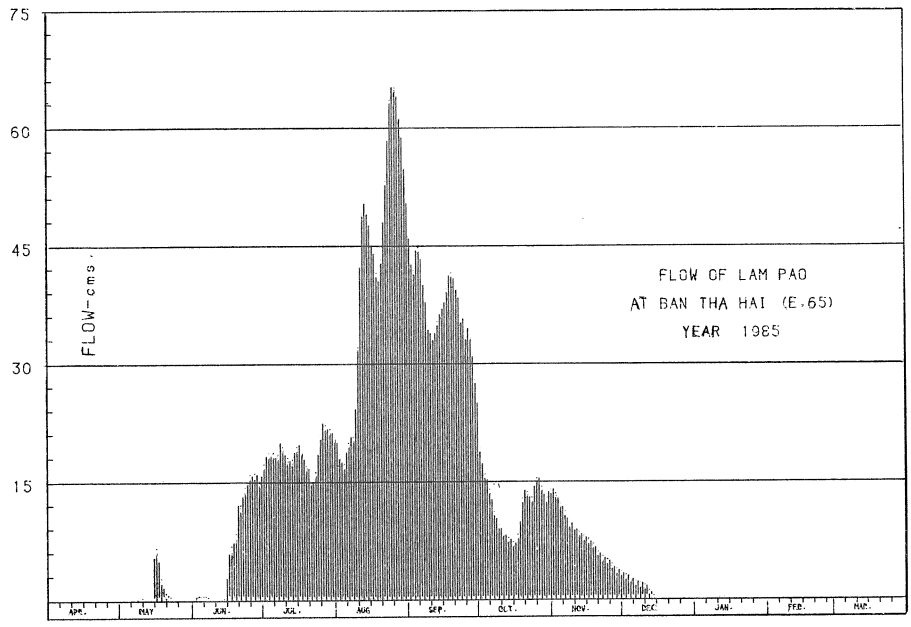
LAM PAO AT BAN THA HAI, UDON THANI (E.65)

LOCATION	LAT. 16-56-54 N., LONG. 103-10-16 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, BAN THA HAI, AMPHOE SI THAT, UDON THANI.
DRAINAGE AREA	1,949 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+10.695 M.(A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 63 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.44	1.40	1.50	3.44	3.56	4.46	3.53	3.26	2.21	1.50	1.28	1.25	
2	1.43	1.42	1.64	3.49	3.50	4.36	3.44	3.23	2.18	1.50	1.28	1.25	
3	1.42	1.42	1.67	3.51	3.45	4.34	3.37	3.19	2.16	1.56	1.28	1.24	
4	1.42	1.42	1.66	3.49	3.44	4.41	3.33	3.15	2.12	1.56	1.28	1.24	
5	1.42	1.42	1.67	3.51	3.51	4.42	3.26	3.12	2.09	1.52	1.27	1.25	
6	1.42	1.42	1.66	3.48	3.56	4.38	3.18	3.08	2.05	1.52	1.27	1.27	
7	1.41	1.53	1.61	3.50	3.59	4.30	3.08	3.02	2.03	1.54	1.26	1.26	
8	1.41	1.64	1.56	3.56	3.59	4.21	3.02	2.98	2.01	1.51	1.26	1.25	
9	1.41	1.64	1.53	3.54	3.73	4.11	2.96	2.97	2.00	1.51	1.26	1.24	
10	1.41	1.58	1.48	3.50	4.02	4.08	2.91	2.95	1.96	1.56	1.26	1.24	
11	1.40	1.55	1.47	3.48	4.35	4.07	2.88	2.90	1.93	1.54	1.26	1.24	
12	1.40	1.54	1.49	3.46	4.53	4.08	2.83	2.87	1.82	1.55	1.26	1.25	
13	1.40	1.58	1.47	3.47	4.56	4.13	2.80	2.84	1.75	1.56	1.26	1.24	
14	1.39	1.60	1.59	3.51	4.54	4.16	2.77	2.82	1.64	1.57	1.26	1.24	
15	1.39	2.51	2.21	3.54	4.49	4.20	2.74	2.80	1.57	1.47	1.26	1.23	
16	1.40	2.66	2.57	3.55	4.44	4.21	2.72	2.78	1.55	1.43	1.25	1.23	
17	1.41	2.45	2.69	3.53	4.40	4.27	2.84	2.74	1.53	1.42	1.25	1.22	
18	1.41	2.13	2.74	3.47	4.33	4.32	2.99	2.71	1.53	1.39	1.26	1.22	
19	1.42	1.92	2.86	3.43	4.30	4.33	3.19	2.66	1.52	1.38	1.27	1.22	
20	1.42	1.78	3.14	3.41	4.38	4.31	3.25	2.60	1.53	1.34	1.28	1.22	
21	1.41	1.71	3.14	3.33	4.50	4.28	3.24	2.56	1.51	1.31	1.27	1.22	
22	1.41	1.65	3.21	3.32	4.63	4.23	3.20	2.52	1.51	1.31	1.26	1.22	
23	1.40	1.59	3.28	3.39	4.76	4.14	3.20	2.49	1.52	1.31	1.25	1.22	
24	1.41	1.56	3.30	3.50	4.89	4.14	3.28	2.47	1.52	1.33	1.24	1.22	
25	1.41	1.57	3.37	3.60	4.93	4.07	3.34	2.44	1.51	1.33	1.24	1.22	
26	1.40	1.56	3.36	3.66	4.93	4.10	3.34	2.39	1.52	1.32	1.24	1.22	
27	1.40	1.55	3.38	3.65	4.90	4.07	3.28	2.33	1.52	1.31	1.25	1.22	
28	1.40	1.54	3.37	3.63	4.84	3.98	3.22	2.30	1.56	1.31	1.25	1.25	
29	1.40	1.51	3.33	3.63	4.77	3.88	3.20	2.27	1.54	1.31		1.24	
30	1.39	1.50	3.36	3.61	4.68	3.76	3.24	2.25	1.51	1.29		1.25	
31		1.50		3.59	4.56		3.26		1.51	1.29		1.25	
MEAN	1.41	1.67	2.38	3.51	4.28	4.19	3.13	2.76	1.74	1.43	1.26	1.24	
MAX	1.44	2.66	3.38	3.66	4.93	4.46	3.53	3.26	2.21	1.57	1.28	1.27	4.93
MIN	1.39	1.40	1.47	3.32	3.44	3.76	2.72	2.25	1.51	1.29	1.24	1.22	1.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.93 M (A.D), AT 24.00 HOURS, ON AUG 25, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.90 M (A.D)
LEFT BANK ELEVATION 10.47 M (A.D)
RIGHT BANK ELEVATION 10.44 M (A.D), DRAINAGE AREA 1949 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.05	0.10	17.30	20.00	46.40	19.25	14.02	3.32	0.10	0.02	0.01	
2	0.06	0.06	0.47	18.30	18.50	42.60	17.30	12.51	3.13	0.10	0.02	0.01	
3	0.06	0.06	0.56	18.75	17.50	41.90	15.96	12.85	3.01	0.25	0.02	0.01	
4	0.06	0.06	0.53	18.30	17.30	44.40	15.24	12.25	2.77	0.25	0.02	0.01	
5	0.06	0.06	0.56	18.75	18.75	44.80	14.02	11.80	2.59	0.15	0.01	0.01	
6	0.06	0.06	0.53	18.10	20.00	43.30	12.70	11.20	2.35	0.15	0.01	0.01	
7	0.05	0.17	0.38	18.50	20.75	40.50	11.20	10.30	2.23	0.20	0.01	0.01	
8	0.05	0.47	0.25	20.00	20.75	37.80	10.30	9.78	2.11	0.12	0.01	0.01	
9	0.05	0.47	0.17	19.50	24.25	34.80	9.56	9.67	2.05	0.12	0.01	0.01	
10	0.05	0.30	0.09	18.50	32.10	33.90	9.01	9.45	1.85	0.25	0.01	0.01	
11	0.05	0.22	0.09	18.10	42.25	33.60	8.70	8.90	1.70	0.20	0.01	0.01	
12	0.05	0.20	0.10	17.70	49.20	33.90	8.20	8.60	1.15	0.22	0.01	0.01	
13	0.05	0.30	0.09	17.90	50.40	35.40	7.90	8.30	0.85	0.25	0.01	0.01	
14	0.05	0.35	0.33	18.75	49.60	36.30	7.63	8.10	0.47	0.28	0.01	0.01	
15	0.05	5.43	3.32	19.50	47.60	37.50	7.36	7.90	0.28	0.09	0.01	0.01	
16	0.05	6.66	5.91	19.75	45.60	37.80	7.18	7.72	0.22	0.06	0.01	0.01	
17	0.05	4.98	6.92	19.25	44.00	39.60	8.30	7.36	0.17	0.06	0.01	0.00	
18	0.05	2.83	7.36	17.90	41.55	41.20	9.89	7.09	0.17	0.05	0.01	0.00	
19	0.06	1.65	8.50	17.10	40.50	41.55	12.85	6.66	0.15	0.04	0.01	0.00	
20	0.06	0.97	12.10	16.70	43.30	40.85	13.85	6.15	0.17	0.03	0.02	0.00	
21	0.05	0.69	12.10	15.24	48.00	39.90	13.68	5.83	0.12	0.02	0.01	0.00	
22	0.05	0.50	13.17	15.06	53.20	38.40	13.00	5.51	0.12	0.02	0.01	0.00	
23	0.05	0.33	14.36	16.32	58.40	35.70	12.00	5.28	0.15	0.02	0.01	0.00	
24	0.05	0.25	14.70	18.50	63.60	35.70	14.36	5.12	0.15	0.03	0.01	0.00	
25	0.05	0.28	15.96	21.00	65.20	33.60	15.42	4.90	0.12	0.03	0.01	0.00	
26	0.05	0.25	15.78	22.50	65.20	34.50	15.42	4.53	0.15	0.03	0.01	0.00	
27	0.05	0.22	16.14	22.25	64.00	33.60	14.36	4.11	0.15	0.02	0.01	0.00	
28	0.05	0.20	15.96	21.75	61.60	30.90	13.34	3.90	0.25	0.02	0.01	0.01	
29	0.05	0.12	15.24	21.75	58.80	28.00	13.00	3.71	0.20	0.02		0.01	
30	0.05	0.10	15.78	21.25	55.20	25.00	13.68	3.58	0.12	0.02		0.01	
31		0.10		20.75	50.40		14.02		0.12	0.02		0.01	
TOTAL	1.59	28.39	197.55	585.02	1307.50	1123.40	379.68	238.09	32.39	3.22	0.33	0.20	3897.36 CMSDAY
MEAN	0.05	0.92	6.59	18.87	42.18	37.45	12.25	7.94	1.04	0.10	0.01	0.01	10.68 CMS
MAX	0.07	6.66	16.14	22.50	65.20	46.40	19.25	14.02	3.32	0.28	0.02	0.01	65.20 CMS
MIN	0.05	0.05	0.09	15.06	17.30	25.00	7.18	3.58	0.12	0.02	0.01	0.00	0.00 CMS
RUNOFF	0.137	2.453	17.068	50.546	112.968	97.062	32.804	20.571	2.798	0.278	0.029	0.017	336.732 MCM

MOMENTARY PEAK 65.20 CMS, AT 4.93 M (A.D), AT 24.00 HOURS, ON AUG 25, 1985

RUNOFF YIELD 5.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 33.45 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHI RIVER BASIN

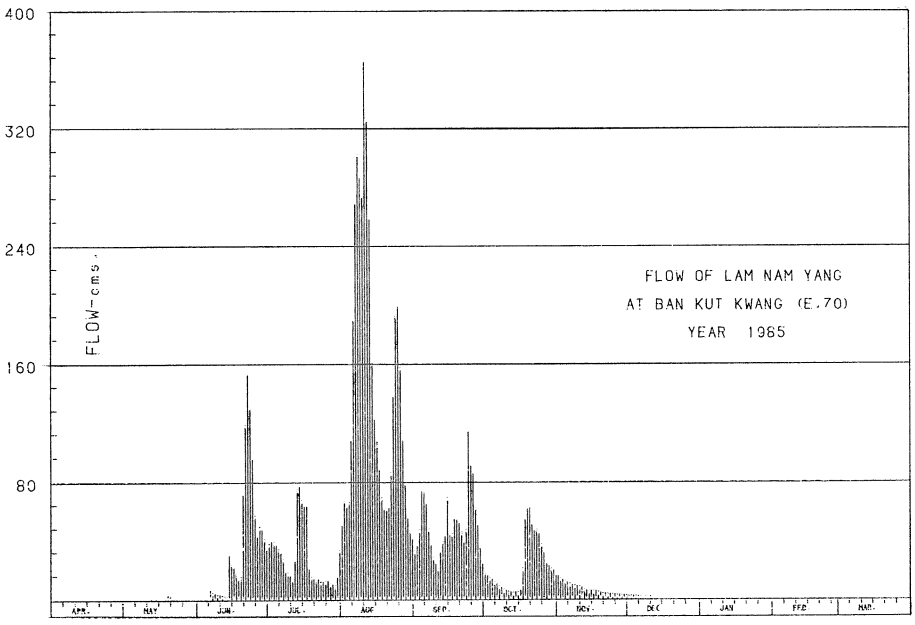
LAM NAM YANG AT BAN KUT KWANG, ROI ET (E.70)

LOCATION	LAT. 16-17-15 N., LONG. 104-00-33 E., ON RIGHT BANK AT BRIDGE ON HIGHWAY, BAN KUT KWANG, AMPHOE PHON THONG, ROI ET.
DRAINAGE AREA	3,168 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+11.914 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	1984 TO DATE
RATED BY FLOAT	-
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 35 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.14	0.25	1.89	2.23	1.74	1.27	1.18	0.50	0.34	0.29	0.24	
2	0.14	0.14	0.31	1.93	2.65	1.84	1.18	1.13	0.50	0.33	0.28	0.24	
3	0.14	0.12	0.38	1.92	2.54	2.16	1.14	1.09	0.49	0.33	0.28	0.24	
4	0.14	0.12	0.38	1.86	2.63	2.79	1.10	1.05	0.48	0.33	0.27	0.24	
5	0.16	0.12	0.40	1.79	3.45	2.81	1.03	1.01	0.47	0.33	0.28	0.24	
6	0.16	0.14	0.76	1.69	4.76	2.60	0.96	0.97	0.46	0.33	0.29	0.23	
7	0.16	0.14	0.67	1.56	5.78	2.17	0.90	0.94	0.45	0.33	0.29	0.23	
8	0.14	0.18	0.63	1.26	6.18	1.85	0.84	0.92	0.45	0.33	0.28	0.23	
9	0.14	0.18	0.59	1.26	6.00	1.60	0.78	0.89	0.44	0.33	0.28	0.23	
10	0.12	0.20	0.56	1.18	5.86	1.44	0.74	0.88	0.44	0.33	0.28	0.23	
11	0.12	0.20	0.53	1.13	6.80	1.35	0.71	0.84	0.41	0.33	0.28	0.22	
12	0.12	0.30	0.49	1.51	6.42	1.70	0.68	0.79	0.39	0.33	0.27	0.22	
13	0.14	0.28	0.46	2.82	5.65	1.93	0.66	0.74	0.38	0.33	0.27	0.22	
14	0.14	0.31	1.64	2.86	4.32	2.03	0.68	0.73	0.37	0.33	0.27	0.22	
15	0.14	0.36	1.48	2.66	3.71	2.70	0.69	0.73	0.36	0.33	0.26	0.22	
16	0.12	0.40	1.36	2.56	3.48	2.05	0.74	0.72	0.36	0.33	0.26	0.21	
17	0.12	0.40	1.24	2.62	3.08	2.08	1.35	0.72	0.37	0.33	0.26	0.21	
18	0.12	0.49	1.08	1.33	2.70	2.34	2.33	0.69	0.38	0.33	0.26	0.21	
19	0.08	0.54	1.16	1.16	2.50	2.38	2.57	0.65	0.38	0.33	0.25	0.21	
20	0.08	0.48	2.74	1.11	2.54	2.27	2.53	0.63	0.37	0.33	0.25	0.21	
21	0.08	0.40	3.65	1.09	2.53	2.11	2.30	0.62	0.36	0.33	0.25	0.21	
22	0.12	0.39	4.21	1.11	3.05	1.90	2.13	0.60	0.35	0.33	0.24	0.20	
23	0.12	0.37	3.87	1.03	3.98	2.16	2.16	0.59	0.35	0.33	0.24	0.20	
24	0.23	0.34	3.23	1.03	4.78	3.56	2.08	0.58	0.35	0.32	0.24	0.20	
25	0.26	0.30	2.41	1.06	4.87	3.18	1.88	0.57	0.35	0.32	0.23	0.20	
26	0.24	0.28	2.02	1.06	4.28	3.03	1.70	0.55	0.35	0.32	0.23	0.20	
27	0.22	0.27	2.22	0.99	3.45	2.54	1.53	0.54	0.34	0.31	0.23	0.20	
28	0.18	0.25	2.16	0.95	2.91	2.23	1.40	0.54	0.34	0.31	0.23	0.19	
29	0.18	0.23	1.98	0.93	2.35	1.86	1.34	0.53	0.34	0.31		0.19	
30	0.18	0.21	1.76	1.14	2.15	1.44	1.30	0.52	0.34	0.30		0.19	
31		0.24		1.76	1.97		1.26		0.34	0.30		0.19	
MEAN	0.15	0.27	1.49	1.56	3.86	2.19	1.35	0.76	0.40	0.33	0.26	0.22	
MAX	0.26	0.54	4.21	2.86	6.80	3.56	2.57	1.18	0.50	0.34	0.29	0.24	6.80
MIN	0.08	0.12	0.25	0.93	1.97	1.35	0.66	0.52	0.34	0.30	0.23	0.19	0.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.97 M (A.D), AT 12.00 HOURS, ON AUG 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.83 M (A.D)
LEFT BANK ELEVATION 12.48 M (A.D)
RIGHT BANK ELEVATION 11.78 M (A.D), DRAINAGE AREA 3168 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.17	0.17	0.35	38.15	50.20	33.20	19.10	16.40	2.70	1.12	0.71	0.33	
2	0.17	0.17	0.88	39.55	67.25	36.40	16.40	14.90	2.70	1.04	0.62	0.33	
3	0.17	0.13	1.44	39.20	62.60	47.60	15.20	13.76	2.59	1.04	0.62	0.33	
4	0.17	0.13	1.44	37.10	66.35	73.55	14.00	12.80	2.48	1.04	0.53	0.33	
5	0.20	0.13	1.60	34.70	107.75	74.50	12.32	11.84	2.37	1.04	0.62	0.33	
6	0.20	0.17	6.68	31.70	191.20	65.00	10.72	10.94	2.26	1.04	0.71	0.32	
7	0.20	0.17	5.12	27.80	268.40	47.95	9.40	10.28	2.15	1.04	0.71	0.32	
8	0.17	0.23	4.48	18.80	302.20	36.75	8.20	9.84	2.15	1.04	0.62	0.32	
9	0.17	0.23	3.87	18.80	286.00	29.00	7.04	9.20	2.04	1.04	0.62	0.32	
10	0.13	0.27	3.48	16.40	274.80	24.20	6.32	9.00	2.04	1.04	0.62	0.32	
11	0.13	0.27	3.09	14.90	365.00	21.50	5.78	8.20	1.71	1.04	0.62	0.30	
12	0.13	0.80	2.59	26.30	326.00	32.00	5.28	7.22	1.52	1.04	0.53	0.30	
13	0.17	0.62	2.26	75.00	258.00	39.55	4.96	6.32	1.44	1.04	0.53	0.30	
14	0.17	0.88	30.20	77.00	160.40	43.05	5.28	6.14	1.36	1.04	0.53	0.30	
15	0.17	1.28	25.40	67.70	122.05	69.50	5.44	6.14	1.28	1.04	0.44	0.30	
16	0.13	1.60	21.80	63.40	109.40	43.75	6.32	5.96	1.28	1.04	0.44	0.28	
17	0.13	1.60	18.20	65.90	88.00	44.80	21.50	5.96	1.36	1.04	0.44	0.28	
18	0.13	2.59	13.52	20.90	69.50	54.60	54.20	5.44	1.44	1.04	0.44	0.28	
19	0.06	3.22	15.80	15.80	61.00	56.20	63.80	4.80	1.44	1.04	0.35	0.28	
20	0.06	2.48	71.30	14.30	62.60	51.80	62.20	4.48	1.36	1.04	0.35	0.28	
21	0.06	1.60	118.75	13.76	62.20	45.85	53.00	4.32	1.28	1.04	0.35	0.28	
22	0.13	1.52	152.70	14.30	86.50	38.50	46.55	4.00	1.20	1.04	0.33	0.27	
23	0.13	1.36	131.20	12.32	137.80	47.60	47.60	3.87	1.20	1.04	0.33	0.27	
24	0.32	1.12	95.65	12.32	192.60	113.80	44.80	3.74	1.20	0.96	0.33	0.27	
25	0.44	0.80	57.40	13.04	198.90	93.00	37.80	3.61	1.20	0.96	0.32	0.27	
26	0.33	0.62	42.70	13.04	157.60	85.50	32.00	3.35	1.20	0.96	0.32	0.27	
27	0.30	0.53	49.80	11.38	107.75	62.60	26.90	3.22	1.12	0.88	0.32	0.27	
28	0.23	0.35	47.60	10.50	79.50	50.20	23.00	3.22	1.12	0.88	0.32	0.25	
29	0.23	0.32	41.30	10.06	55.00	37.10	21.20	3.09	1.12	0.88		0.25	
30	0.23	0.28	33.80	15.20	47.25	24.20	20.00	2.96	1.12	0.80		0.25	
31		0.33		33.80	40.95		18.80		1.12	0.80		0.25	
TOTAL	5.43	25.97	1004.40	903.12	4464.75	1523.25	725.11	215.00	50.55	31.12	13.67	9.05	8971.42 CMSDAY
MEAN	0.18	0.84	33.48	29.13	144.02	50.77	23.39	7.17	1.63	1.00	0.49	0.29	24.58 CMS
MAX	0.44	3.22	152.70	77.00	365.00	113.80	63.80	16.40	2.70	1.12	0.71	0.33	365.00 CMS
MIN	0.06	0.13	0.35	10.06	40.95	21.50	4.96	2.96	1.12	0.80	0.32	0.25	0.06 CMS
RUNOFF	0.469	2.244	86.780	78.030	385.754	131.609	62.650	18.576	4.368	2.689	1.181	0.782	775.131 MCM

MOMENTARY PEAK 383.70 CMS, AT 6.97 M (A.D), AT 12.00 HOURS, ON AUG 11, 1985
RUNOFF YIELD 7.76 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 121.12 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

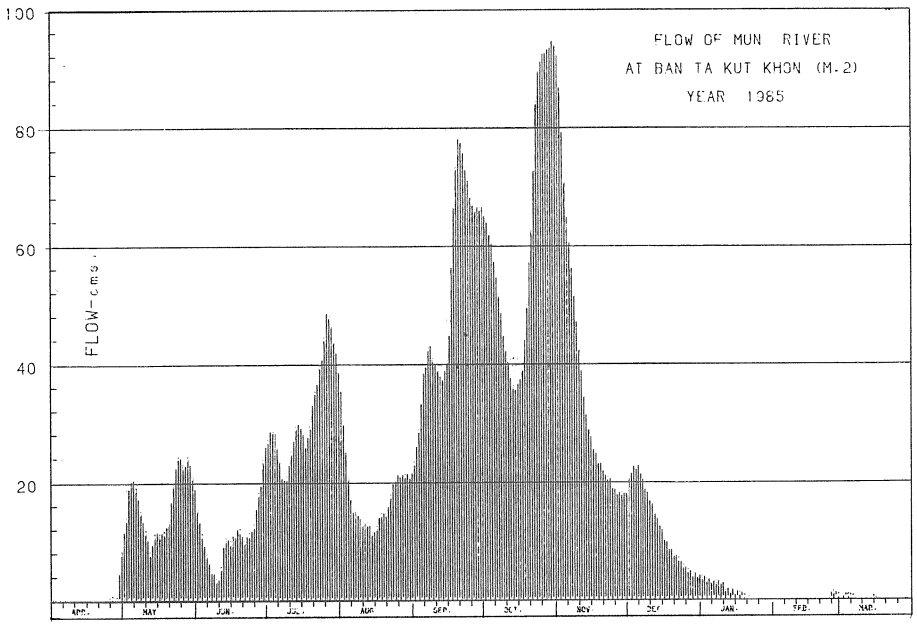
MUN RIVER AT BAN TA KUT KHON, NAKHON RATCHASIMA (M.2)

LOCATION	LAT. 15-00-03 N., LONG. 105-15-57 E., ON RIGHT BANK AT ABOUT 100 METERS WEST OF BAN THA CHANG SCHOOL, AND ABOUT 30 METERS SOUTH OF PUMPING RAILWAY STATION, AMPHOE CHAKKARAT, NAKHON RATCHASIMA.
DRAINAGE AREA	4,800 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+157.85 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+165.802 M.(M.S.L.)
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	1960, 1969-1971, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1960, 1969-1971, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 163 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	159.12	160.35	160.66	161.47	161.94	161.22	164.12	164.59	161.02	159.67	159.01	159.09	
2	159.07	160.55	160.48	161.55	161.65	161.39	164.03	164.39	161.12	159.66	158.98	159.27	
3	159.08	160.90	160.33	161.57	161.33	161.57	163.93	164.03	161.16	159.63	158.97	159.28	
4	159.03	160.99	160.16	161.53	161.04	161.82	163.82	163.67	161.17	159.62	158.98	159.29	
5	159.05	161.01	160.04	161.41	160.77	162.14	163.65	163.39	161.17	159.60	158.97	159.27	
6	159.05	160.92	159.89	161.22	160.66	162.16	163.43	163.22	161.11	159.58	158.97	159.24	
7	159.02	160.78	159.81	161.07	160.62	162.34	163.21	163.01	161.01	159.59	158.96	159.16	
8	159.14	160.63	159.73	161.01	160.62	162.35	162.95	162.80	160.93	159.59	158.94	159.01	
9	159.03	160.49	159.65	161.05	160.53	162.24	162.67	162.56	160.85	159.59	158.95	158.94	
10	159.05	160.38	159.63	161.18	160.48	162.19	162.42	162.34	160.79	159.55	158.96	158.93	
11	159.00	160.24	159.85	161.34	160.47	162.15	162.21	162.13	160.71	159.46	158.95	159.00	
12	159.00	160.08	160.14	161.45	160.48	162.08	162.06	161.91	160.62	159.44	158.95	159.06	
13	159.04	160.17	160.27	161.60	160.44	162.08	161.99	161.71	160.52	159.42	158.95	159.09	
14	159.02	160.33	160.25	161.62	160.35	162.13	161.95	161.59	160.46	159.42	158.95	159.09	
15	159.04	160.35	160.23	161.62	160.35	162.26	162.04	161.49	160.37	159.39	158.95	159.23	
16	159.06	160.33	160.30	161.52	160.43	162.64	162.05	161.39	160.27	159.37	158.94	159.13	
17	159.11	160.34	160.34	161.42	160.54	163.59	162.15	161.31	160.20	159.36	158.96	159.13	
18	159.12	160.37	160.39	161.49	160.60	164.16	162.40	161.23	160.14	159.33	158.95	159.07	
19	159.06	160.42	160.40	161.61	160.60	164.46	162.70	161.20	160.09	159.27	158.93	159.03	
20	159.03	160.50	160.29	161.81	160.61	164.61	163.05	161.15	160.04	159.22	158.96	159.04	
21	159.00	160.74	160.24	161.94	160.68	164.61	163.29	161.06	160.00	159.18	158.99	159.03	
22	159.05	160.97	160.29	162.01	160.83	164.54	163.74	161.04	159.97	159.13	158.98	159.15	
23	159.08	161.15	160.34	162.18	160.96	164.46	164.26	161.02	159.91	159.09	159.02	159.16	
24	159.08	161.28	160.37	162.23	161.03	164.38	164.48	160.94	159.86	159.04	159.16	159.12	
25	159.22	161.26	160.46	162.43	161.07	164.28	164.57	160.89	159.82	159.07	159.31	159.05	
26	159.28	161.19	160.65	162.63	161.09	164.18	164.60	160.87	159.79	159.10	159.39	158.96	
27	159.24	161.18	160.86	162.62	161.07	164.15	164.62	160.85	159.76	159.09	159.33	158.94	
28	159.24	161.28	160.94	162.52	161.08	164.17	164.63	160.86	159.72	159.07	159.29	158.98	
29	159.73	161.19	161.25	162.41	161.08	164.17	164.66	160.84	159.72	159.04		159.04	
30	160.08	161.06	161.39	162.29	161.07	164.17	164.69	160.88	159.71	159.04		159.05	
31		160.90		162.15	161.09		164.68		159.68	159.04		159.03	
MEAN	159.14	160.72	160.32	161.74	160.82	163.09	163.39	161.95	160.38	159.34	159.02	159.09	
MAX	160.08	161.28	161.39	162.63	161.94	164.61	164.69	164.59	161.17	159.67	159.39	159.29	164.69
MIN	159.00	160.08	159.63	161.01	160.35	161.22	161.95	160.84	159.68	159.04	158.93	158.93	158.93

ANNUAL MAX MOMENTARY GAGE HEIGHT 164.71 M (MSL), AT 1.00 HOURS, ON OCT 31, 1985
ZERO GAGE AT BOTTOM ELEVATION 157.85 M (MSL), RIVER BED 155.66 M (MSL)
LEFT BANK ELEVATION 167.18 M (MSL)
RIGHT BANK ELEVATION 167.21 M (MSL), DRAINAGE AREA 4800 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.34	11.60	15.58	27.32	35.42	23.50	65.60	92.25	20.58	4.00	0.17	0.29	
2	0.26	14.15	13.24	28.65	30.35	26.05	63.94	87.28	22.00	3.90	0.14	0.85	
3	0.27	18.90	11.36	28.99	25.15	28.99	62.21	79.18	22.60	3.60	0.13	0.90	
4	0.20	20.16	9.32	28.31	20.86	33.26	60.34	71.08	22.75	3.50	0.14	0.95	
5	0.23	20.44	7.94	26.36	17.08	39.06	57.75	64.78	22.75	3.30	0.13	0.85	
6	0.23	19.18	6.29	23.50	15.58	39.44	54.63	60.95	21.85	3.10	0.13	0.70	
7	0.19	17.22	5.41	21.28	15.06	42.86	51.88	56.23	20.44	3.20	0.12	0.42	
8	0.38	15.19	4.60	20.44	15.06	43.05	48.63	52.00	19.32	3.20	0.11	0.17	
9	0.20	13.37	3.80	21.00	13.89	40.96	45.13	47.20	18.20	3.20	0.12	0.11	
10	0.23	11.96	3.60	22.90	13.24	40.01	42.20	42.86	17.36	2.80	0.12	0.10	
11	0.16	10.28	5.85	25.30	13.11	39.25	40.28	38.87	16.24	1.98	0.12	0.16	
12	0.16	8.38	9.08	27.00	13.24	37.94	37.58	34.88	15.06	1.82	0.12	0.24	
13	0.22	9.44	10.64	29.50	12.72	37.94	36.32	31.37	13.76	1.66	0.12	0.29	
14	0.19	11.36	10.40	29.84	11.60	38.87	35.60	29.33	12.98	1.66	0.12	0.29	
15	0.22	11.60	10.16	29.84	11.60	40.68	37.22	27.64	11.84	1.45	0.12	0.65	
16	0.24	11.36	11.00	28.14	12.59	44.75	37.40	26.05	10.64	1.35	0.11	0.36	
17	0.32	11.48	11.48	26.52	14.02	56.85	39.25	24.85	9.80	1.30	0.12	0.36	
18	0.34	11.84	12.08	27.64	14.80	66.40	44.00	23.65	9.08	1.15	0.12	0.26	
19	0.24	12.46	12.20	29.67	14.80	73.30	50.00	23.20	8.49	0.85	0.10	0.20	
20	0.20	13.50	10.88	33.08	14.93	78.10	57.13	22.45	7.94	0.60	0.12	0.22	
21	0.16	16.66	10.28	35.42	15.84	78.10	62.53	21.14	7.50	0.46	0.15	0.20	
22	0.23	19.88	10.88	36.68	17.92	75.70	72.65	20.86	7.17	0.36	0.14	0.40	
23	0.27	22.45	11.48	39.82	19.74	73.30	84.35	20.58	6.51	0.29	0.19	0.42	
24	0.27	24.40	11.84	40.77	20.72	71.04	89.50	19.46	5.96	0.22	0.42	0.34	
25	0.60	24.10	12.98	44.60	21.28	68.80	91.75	18.76	5.52	0.26	1.05	0.23	
26	0.90	23.05	15.45	48.60	21.56	66.80	92.50	18.48	5.20	0.30	1.45	0.12	
27	0.70	22.90	18.34	48.40	21.28	66.20	93.00	18.20	4.90	0.29	1.15	0.11	
28	0.70	24.40	19.46	46.40	21.42	66.60	93.25	18.34	4.50	0.26	0.95	0.14	
29	4.60	23.05	23.95	44.20	21.42	66.60	94.00	18.06	4.50	0.22		0.22	
30	8.38	21.14	26.05	41.91	21.28	66.60	94.75	18.62	4.40	0.22		0.23	
31		18.90		39.25	21.56		94.50		4.10	0.22		0.20	
TOTAL	21.63	514.80	345.62	1001.33	559.12	1571.00	1929.87	1128.60	383.94	50.72	7.98	10.98	7525.59 CMSDAY
MEAN	0.72	16.61	11.52	32.30	18.04	52.37	62.25	37.62	12.39	1.64	0.28	0.35	20.62 CMS
MAX	8.38	24.40	26.05	48.60	35.42	78.10	94.75	92.25	22.75	4.00	1.45	0.95	94.75 CMS
MIN	0.16	8.38	3.60	20.44	11.60	23.50	35.60	18.06	4.10	0.22	0.10	0.10	0.10 CMS
RUNOFF	1.869	44.479	29.862	86.515	48.308	135.734	166.741	97.511	33.172	4.382	0.689	0.949	650.211 MCM

MOMENTARY PEAK 95.25 CMS, AT 164.71 M (MSL), AT 1.00 HOURS, ON OCT 31, 1985

RUNOFF YIELD 4.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.84 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

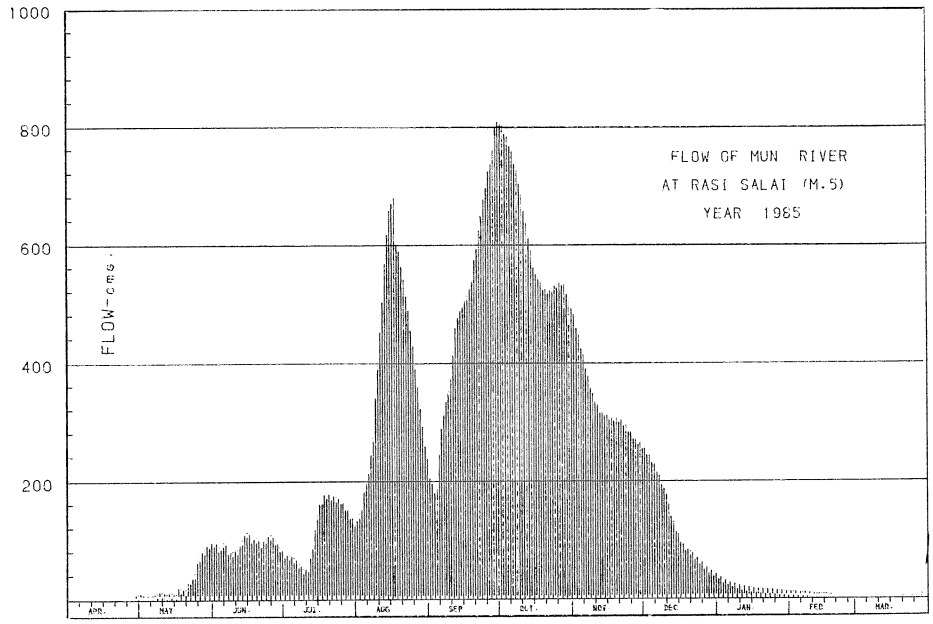
MUN RIVER AT RASI SALAI, SI SA KET (M.5)

LOCATION	LAT. 15-20-16 N., LONG. 103-09-29 E., ON LEFT BANK INFRONT OF AMPHOE RASI SALAI OFFICE, SI SA KET.
DRAINAGE AREA	44,275 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+110.00 M. (M.S.L.)
BENCH MARK	B.M. OF ARMY SURVEY DEPARTMENT NO.801
LOCATION	ON LEFT BANK ABOUT 2.5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+122.385 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 121 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	110.06	110.40	111.52	111.32	111.85	113.11	117.21	114.81	112.96	110.90	110.43	110.27	
2	110.07	110.36	111.49	111.28	111.97	112.95	117.17	114.67	112.92	110.85	110.43	110.27	
3	110.07	110.35	111.43	111.28	112.03	112.85	117.11	114.54	112.86	110.81	110.42	110.25	
4	110.07	110.35	111.38	111.26	112.37	112.86	117.04	114.40	112.80	110.79	110.42	110.25	
5	110.06	110.35	111.51	111.24	112.44	113.50	116.96	114.27	112.73	110.77	110.41	110.24	
6	110.05	110.36	111.47	111.20	112.65	113.84	116.86	114.12	112.66	110.74	110.41	110.24	
7	110.05	110.38	111.38	111.14	112.87	114.09	116.75	113.98	112.56	110.73	110.41	110.25	
8	110.06	110.42	111.34	111.09	113.12	114.23	116.64	113.85	112.47	110.71	110.40	110.25	
9	110.05	110.46	111.35	111.04	113.68	114.38	116.51	113.74	112.36	110.69	110.39	110.25	
10	110.03	110.47	111.36	111.03	114.12	114.55	116.34	113.66	112.33	110.67	110.37	110.26	
11	110.02	110.42	111.38	111.07	114.58	114.92	116.17	113.58	112.11	110.65	110.36	110.25	
12	109.99	110.39	111.45	111.23	115.02	115.24	115.98	113.52	111.97	110.63	110.36	110.25	
13	109.99	110.42	111.55	111.47	115.47	115.39	115.83	113.47	111.83	110.62	110.36	110.24	
14	109.98	110.45	111.63	111.71	115.88	115.45	115.64	113.47	111.72	110.61	110.36	110.22	
15	109.98	110.38	111.67	111.95	116.14	115.53	115.46	113.44	111.63	110.60	110.36	110.21	
16	109.99	110.40	111.64	112.12	116.27	115.57	115.33	113.42	111.54	110.58	110.36	110.21	
17	110.01	110.62	111.58	112.20	116.30	115.63	115.31	113.40	111.46	110.57	110.35	110.20	
18	110.03	110.62	111.56	112.27	116.25	115.71	115.23	113.40	111.41	110.55	110.34	110.19	
19	110.05	110.57	111.58	112.29	116.15	115.84	115.17	113.40	111.37	110.55	110.33	110.20	
20	110.06	110.57	111.54	112.28	116.02	116.05	115.14	113.39	111.33	110.55	110.32	110.19	
21	110.05	110.76	111.50	112.26	115.83	116.21	115.12	113.37	111.30	110.53	110.31	110.19	
22	110.06	110.85	111.53	112.25	115.67	116.38	115.12	113.34	111.26	110.53	110.31	110.17	
23	110.08	110.85	111.57	112.23	115.46	116.56	115.14	113.30	111.22	110.52	110.30	110.16	
24	110.12	110.96	111.61	112.21	115.25	116.71	115.18	113.25	111.18	110.51	110.30	110.19	
25	110.16	111.15	111.63	112.20	115.00	116.85	115.20	113.20	111.14	110.49	110.29	110.20	
26	110.17	111.27	111.60	112.14	114.74	116.96	115.22	113.15	111.09	110.49	110.30	110.19	
27	110.19	111.34	111.55	112.10	114.44	117.05	115.23	113.10	111.06	110.47	110.29	110.20	
28	110.29	111.39	111.49	112.03	114.19	117.13	115.20	113.07	111.02	110.47	110.28	110.17	
29	110.36	111.45	111.43	111.96	113.87	117.18	115.12	113.05	110.99	110.46		110.16	
30	110.38	111.49	111.37	111.90	113.62	117.21	115.04	113.01	110.96	110.44		110.15	
31		111.50		111.84	113.38		114.93		110.93	110.44		110.16	
MEAN	110.08	110.70	111.50	111.73	114.41	115.33	115.82	113.61	111.78	110.61	110.36	110.21	
MAX	110.38	111.50	111.67	112.29	116.30	117.21	117.21	114.81	112.96	110.90	110.43	110.27	117.21
MIN	109.98	110.35	111.34	111.03	111.85	112.85	114.93	113.01	110.93	110.44	110.28	110.15	109.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 117.21 M (MSL), AT 18.00 HOURS, ON SEP 30, 1985
ZERO GAGE AT BOTTOM ELEVATION 110.00 M (MSL), RIVER BED 109.11 M (MSL)
LEFT BANK ELEVATION 124.48 M (MSL)
RIGHT BANK ELEVATION 122.64 M (MSL), DRAINAGE AREA 44275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.6	10.0	98.1	78.7	132.4	211.0	807.8	481.7	254.4	40.0	11.2	3.7	
2	1.7	7.6	95.0	74.9	144.9	195.2	802.1	463.8	249.9	36.0	11.2	3.7	
3	1.7	7.0	89.3	74.9	151.2	185.6	793.6	447.1	243.0	32.8	10.8	3.5	
4	1.7	7.0	84.5	73.0	188.0	186.6	783.7	429.6	236.2	31.2	10.8	3.5	
5	1.6	7.0	97.0	71.0	195.5	251.0	772.3	413.5	228.2	29.6	10.4	3.4	
6	1.5	7.6	93.1	67.2	219.1	288.4	758.1	394.9	220.2	27.2	10.4	3.4	
7	1.5	8.8	84.5	61.4	244.2	316.8	742.5	377.5	208.8	26.4	10.4	3.5	
8	1.6	10.8	80.6	56.6	273.2	333.6	726.9	361.4	198.8	24.8	10.0	3.5	
9	1.5	12.4	81.6	51.8	340.3	351.6	708.4	347.8	186.9	23.4	9.4	3.5	
10	1.3	12.8	82.6	50.9	394.9	372.2	685.2	337.8	183.6	22.2	8.2	3.6	
11	1.2	10.8	84.5	54.7	452.2	418.1	662.1	327.9	159.9	21.0	7.6	3.5	
12	0.9	9.4	91.2	70.1	508.6	459.7	636.3	320.5	144.9	19.8	7.6	3.5	
13	0.9	10.8	101.2	93.1	568.0	479.5	616.2	314.5	130.3	19.2	7.6	3.4	
14	0.8	12.0	109.5	117.8	622.9	487.4	590.8	314.5	118.9	18.6	7.6	3.2	
15	0.8	8.8	113.7	142.8	658.0	498.3	566.7	310.9	109.5	18.0	7.6	3.1	
16	0.9	10.0	110.6	161.0	675.7	504.1	549.6	308.6	100.2	17.2	7.6	3.1	
17	1.1	19.2	104.3	169.6	679.8	512.7	546.9	306.2	92.2	16.8	7.0	3.0	
18	1.3	19.2	102.2	177.2	604.0	524.2	536.4	306.2	87.4	16.0	6.4	2.9	
19	1.5	16.8	104.3	179.3	588.8	543.0	528.4	306.2	83.5	16.0	5.8	3.0	
20	1.6	16.8	100.2	178.2	569.0	573.6	524.5	305.0	79.7	16.0	5.2	2.9	
21	1.5	28.8	96.0	176.1	541.5	597.9	521.8	302.7	76.8	15.2	4.6	2.9	
22	1.6	36.0	99.1	175.0	518.5	623.8	521.8	299.1	73.0	15.2	4.6	2.7	
23	1.8	36.0	103.3	172.8	488.7	651.6	524.5	294.4	69.1	14.8	4.0	2.6	
24	2.2	44.8	107.4	170.7	461.0	676.7	529.8	288.5	65.3	14.4	4.0	2.9	
25	2.6	62.4	109.5	169.6	428.0	702.0	532.4	282.6	61.4	13.6	3.9	3.0	
26	2.7	73.9	106.4	163.1	395.8	724.0	535.0	276.7	56.6	13.6	4.0	2.9	
27	2.9	80.6	101.2	158.8	358.8	742.5	536.4	270.8	53.8	12.8	3.9	3.0	
28	3.9	85.4	95.0	151.2	328.8	759.6	532.4	267.3	49.9	12.8	3.8	2.7	
29	7.6	91.2	89.3	143.8	291.7	803.6	521.8	264.9	47.2	12.4		2.6	
30	8.8	95.0	83.5	137.6	264.2	807.8	511.3	260.2	44.8	11.6		2.5	
31		96.0		131.4	238.0		497.0		42.4	11.6		2.6	
TOTAL	62.3	954.9	2898.7	3754.3	12525.7	14782.1	19102.7	9982.8	3956.8	620.2	205.6	97.3	68943.4 CMSDAY
MEAN	2.1	30.8	96.6	121.1	404.1	492.7	616.2	332.8	127.6	20.0	7.3	3.1	188.9 CMS
MAX	8.8	96.0	113.7	179.3	679.8	807.8	807.8	481.7	254.4	40.0	11.2	3.7	807.8 CMS
MIN	0.8	7.0	80.6	50.9	132.4	185.6	497.0	260.2	42.4	11.6	3.8	2.5	0.8 CMS
RUNOFF	5.38	82.50	250.45	324.37	1082.22	1277.17	1650.47	862.51	341.87	53.59	17.76	8.41	5956.71 MCM

MOMENTARY PEAK 807.82 CMS, AT 117.21 M (MSL), AT 18.00 HOURS, ON SEP 30, 1985

RUNOFF YIELD 4.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 18.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

MUN RIVER AT SATUK, BURI RAM(M.6A)

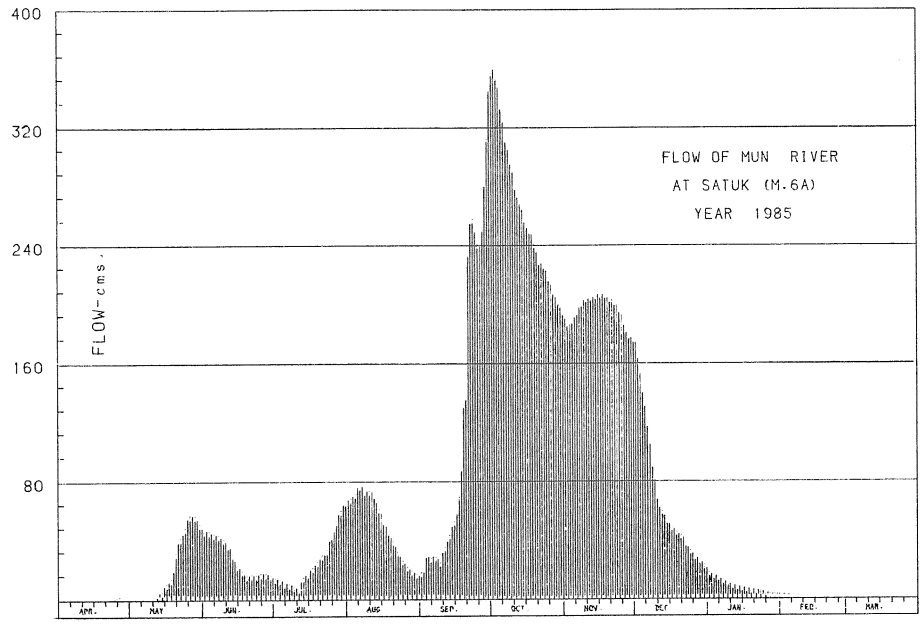
LOCATION LAT. 15-17-44 N., LONG. 103-17-51 E., ON RIGHT BANK AT SATUK, BURI RAM.

DRAINAGE AREA	28,275 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+124.00 M. (M.S.L.)
BENCH MARK	B.M.-B.M.P.1383
LOCATION	INFRONT OF THE POST OFFICE AND ABOUT 80 METERS FROM STAFF GAGE LINE.
ELEVATION	+132.328 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 127 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	124.66	124.73	126.09	125.30	126.49	125.42	129.29	128.23	128.05	125.41	124.84	124.69	
2	124.65	124.72	126.09	125.29	126.50	125.42	129.30	128.20	127.94	125.38	124.84	124.69	
3	124.64	124.70	126.08	125.27	126.53	125.74	129.28	128.19	127.78	125.36	124.83	124.69	
4	124.64	124.69	126.06	125.25	126.56	125.69	129.25	128.22	127.63	125.34	124.82	124.68	
5	124.64	124.67	126.05	125.20	126.63	125.67	129.20	128.24	127.47	125.32	124.82	124.68	
6	124.65	124.66	126.04	125.19	126.65	125.70	129.15	128.28	127.31	125.27	124.81	124.67	
7	124.65	124.63	126.03	125.17	126.64	125.69	129.10	128.31	127.11	125.25	124.80	124.67	
8	124.65	124.65	126.00	125.15	126.59	125.66	129.06	128.34	126.89	125.21	124.80	124.66	
9	124.65	124.66	125.98	125.11	126.59	125.60	129.02	128.36	126.71	125.19	124.80	124.66	
10	124.64	124.65	125.94	125.07	126.59	125.76	128.98	128.37	126.53	125.15	124.79	124.66	
11	124.64	124.74	125.90	125.06	126.58	125.86	128.93	128.37	126.40	125.14	124.78	124.66	
12	124.64	124.88	125.85	125.22	126.55	125.94	128.89	128.38	126.35	125.11	124.77	124.65	
13	124.63	124.93	125.74	125.32	126.46	126.03	128.87	128.38	126.29	125.10	124.76	124.65	
14	124.63	124.96	125.63	125.37	126.38	126.14	128.84	128.39	126.23	125.08	124.75	124.65	
15	124.64	125.11	125.55	125.40	126.33	126.21	128.80	128.40	126.18	125.07	124.74	124.65	
16	124.65	125.17	125.51	125.47	126.22	126.31	128.76	128.40	126.13	125.05	124.73	124.65	
17	124.66	125.22	125.45	125.51	126.15	126.52	128.75	128.40	126.11	125.04	124.73	124.65	
18	124.66	125.29	125.39	125.56	126.08	126.81	128.73	128.40	126.07	125.03	124.73	124.64	
19	124.65	125.44	125.36	125.61	126.00	127.49	128.68	128.38	126.04	125.01	124.73	124.64	
20	124.64	125.76	125.36	125.66	125.95	127.53	128.64	128.37	126.02	125.00	124.73	124.64	
21	124.64	125.93	125.38	125.72	125.87	128.63	128.59	128.37	125.99	124.99	124.72	124.63	
22	124.63	125.99	125.37	125.73	125.78	128.78	128.58	128.35	125.92	124.98	124.72	124.63	
23	124.63	126.04	125.37	125.81	125.70	128.80	128.57	128.33	125.85	124.95	124.72	124.63	
24	124.71	126.13	125.38	125.95	125.63	128.74	128.54	128.30	125.79	124.94	124.71	124.63	
25	124.77	126.25	125.40	126.03	125.58	128.68	128.50	128.26	125.74	124.92	124.71	124.62	
26	124.78	126.30	125.41	126.08	125.52	128.67	128.46	128.21	125.70	124.90	124.70	124.62	
27	124.76	126.30	125.40	126.22	125.48	128.76	128.42	128.13	125.67	124.88	124.70	124.61	
28	124.75	126.29	125.39	126.31	125.45	128.93	128.38	128.10	125.64	124.87	124.69	124.60	
29	124.74	126.24	125.37	126.36	125.42	129.10	128.35	128.09	125.59	124.86		124.60	
30	124.73	126.18	125.32	126.43	125.39	129.24	128.31	128.08	125.55	124.86		124.59	
31		126.12		126.47	125.35		128.28		125.49	124.85		124.59	
MEAN	124.67	125.36	125.66	125.59	126.12	126.98	128.79	128.29	126.39	125.08	124.76	124.64	
MAX	124.78	126.30	126.09	126.47	126.65	129.24	129.30	128.40	128.05	125.41	124.84	124.69	129.30
MIN	124.63	124.63	125.32	125.06	125.35	125.42	128.28	128.08	125.49	124.85	124.69	124.59	124.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 129.30 M (MSL), AT 6.00 HOURS, ON OCT 2, 1985
ZERO GAGE AT BOTTOM ELEVATION 124.00 M (MSL), RIVER BED 120.39 M (MSL)
LEFT BANK ELEVATION 132.49 M (MSL)
RIGHT BANK ELEVATION 132.77 M (MSL), DRAINAGE AREA 28275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.42	1.09	46.50	14.20	67.40	18.20	356.55	189.85	174.00	17.85	2.76	0.63	
2	0.35	0.96	46.50	13.90	68.00	18.20	359.00	187.00	165.20	16.84	2.76	0.63	
3	0.28	0.70	46.00	13.30	69.80	30.60	354.10	186.10	152.57	16.18	2.57	0.63	
4	0.28	0.63	45.00	12.70	71.60	28.60	346.75	188.90	141.86	15.52	2.38	0.56	
5	0.28	0.49	44.50	11.20	75.80	27.80	334.50	190.80	130.43	14.86	2.38	0.56	
6	0.35	0.42	44.00	10.93	77.00	29.00	323.25	194.60	119.00	13.30	2.19	0.49	
7	0.35	0.21	43.50	10.39	76.40	28.60	312.00	197.50	104.71	12.70	2.00	0.49	
8	0.35	0.35	42.00	9.85	73.40	27.40	304.40	200.50	91.40	11.50	2.00	0.42	
9	0.35	0.42	41.00	8.77	73.40	25.00	296.80	202.50	80.60	10.93	2.00	0.42	
10	0.28	0.35	39.00	7.75	73.40	31.40	289.20	203.50	69.80	9.85	1.87	0.42	
11	0.28	1.22	37.00	7.50	72.80	35.40	279.70	203.50	62.00	9.58	1.74	0.42	
12	0.28	3.52	35.00	11.80	71.00	39.00	272.35	204.50	59.50	8.77	1.61	0.35	
13	0.21	4.53	30.60	14.86	65.60	43.50	269.05	204.50	56.50	8.50	1.48	0.35	
14	0.21	5.16	26.20	16.51	61.00	49.00	264.10	205.50	53.50	8.00	1.35	0.35	
15	0.28	8.77	23.00	17.50	58.50	52.50	257.50	206.50	51.00	7.75	1.22	0.35	
16	0.35	10.39	21.40	19.95	53.00	57.50	251.70	206.50	48.50	7.25	1.09	0.35	
17	0.42	11.80	19.25	21.40	49.50	69.20	250.25	206.50	47.50	7.00	1.09	0.35	
18	0.42	13.90	17.17	23.40	46.00	86.60	247.35	206.50	45.50	6.75	1.09	0.28	
19	0.35	18.90	16.18	25.40	42.00	131.86	240.40	204.50	44.00	6.25	1.09	0.28	
20	0.28	31.40	16.18	27.40	39.50	134.71	235.20	203.50	43.00	6.00	1.09	0.28	
21	0.28	38.50	16.84	29.80	35.80	233.90	228.75	203.50	41.50	5.79	0.96	0.21	
22	0.21	41.50	16.51	30.20	32.20	254.60	227.50	201.50	38.00	5.58	0.96	0.21	
23	0.21	44.00	16.51	33.40	29.00	257.50	226.25	199.50	35.00	4.95	0.96	0.21	
24	0.83	48.50	16.84	39.50	26.20	248.80	222.50	196.50	32.60	4.74	0.83	0.21	
25	1.61	54.50	17.50	43.50	24.20	240.40	217.50	192.70	30.60	4.32	0.83	0.14	
26	1.74	57.00	17.85	46.00	21.80	239.10	213.10	187.95	29.00	3.90	0.70	0.14	
27	1.48	57.00	17.50	53.00	20.30	251.70	208.70	180.70	27.80	3.52	0.70	0.07	
28	1.35	56.50	17.17	57.50	19.25	279.70	204.50	178.00	26.60	3.33	0.63	0.00	
29	1.22	54.00	16.51	60.00	18.20	312.00	201.50	177.20	24.60	3.14		0.00	
30	1.09	51.00	14.86	63.80	17.17	344.30	197.50	176.40	23.00	3.14		0.00	
31		48.00		66.20	15.85		194.60		20.65	2.95		0.00	
TOTAL	16.39	665.71	848.07	821.61	1545.07	3626.07	8186.55	5887.20	2069.92	260.74	42.33	9.80	23979.46 CMSDAY
MEAN	0.55	21.47	28.27	26.50	49.84	120.87	264.08	196.24	66.77	8.41	1.51	0.32	65.70 CMS
MAX	1.74	57.00	46.50	66.20	77.00	344.30	359.00	206.50	174.00	17.85	2.76	0.63	359.00 CMS
MIN	0.21	0.21	14.86	7.50	15.85	18.20	194.60	176.40	20.65	2.95	0.63	0.00	0.00 CMS
RUNOFF	1.416	57.517	73.273	70.987	133.494	313.292	707.318	508.654	178.841	22.528	3.657	0.847	2071.826 MCM

MOMENTARY PEAK 359.00 CMS, AT 129.30 M (MSL), AT 6.00 HOURS, ON OCT 2, 1985

RUNOFF YIELD 2.32 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 12.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

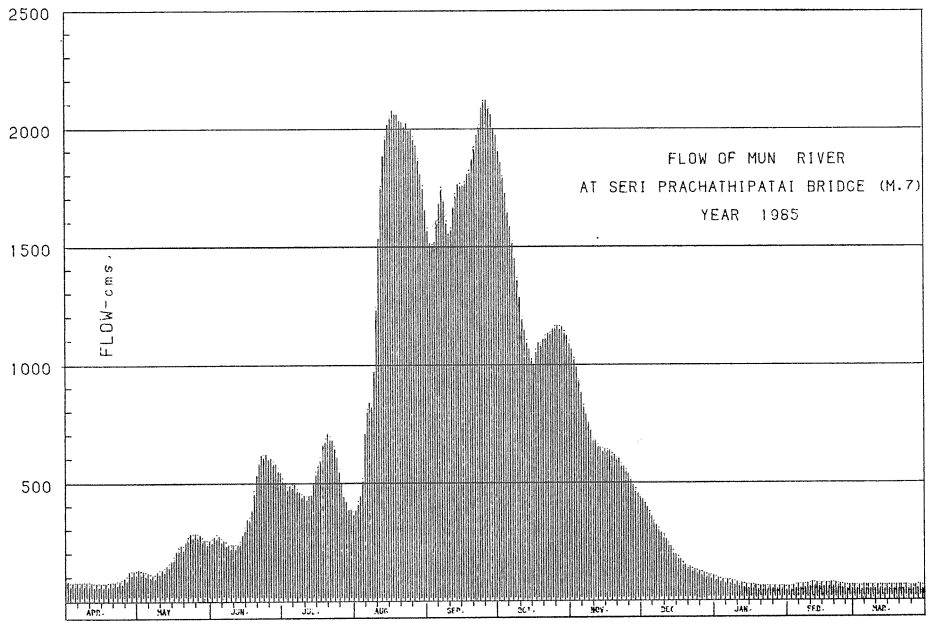
MUN RIVER AT SERI PRACHATHIPATAI BRIDGE, UBON RATCHATHANI (M.7)

LOCATION	LAT. 15-13-17 N., LONG. 104-51-39 E., ON LEFT BANK AT THE SERI PRACHATHIPATAI, AMPHOE MUANG, UBON RATCHATHANI.
DRAINAGE AREA	106,673 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+105.00 M.(M.S.L.)
BENCH MARK	B.M.-DEPARTMENT OF LANDS.
LOCATION	NEAR THE FENCE OF THE GOVERNOR OF THE PROVINCE' HOUSE.
ELEVATION	+116.895 M.(M.S.L.)
GAGE READING FREQUENCY	3-5 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 FLOAT	-
RATED BY CURRENT METER	1956 - 1958, 1964 - 1981, 1983 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	106.75	106.96	107.43	108.18	107.80	110.54	111.16	109.48	107.93	106.82	106.62	106.65	
2	106.72	106.94	107.46	108.13	107.91	110.41	111.05	109.40	107.88	106.80	106.62	106.65	
3	106.72	106.93	107.49	108.09	107.97	110.40	110.95	109.31	107.83	106.79	106.64	106.64	
4	106.73	106.92	107.47	108.10	108.18	110.42	110.81	109.20	107.78	106.77	106.66	106.64	
5	106.73	106.90	107.44	108.11	108.65	110.60	110.68	109.07	107.72	106.77	106.67	106.66	
6	106.73	106.88	107.41	108.11	108.91	110.73	110.55	108.95	107.66	106.77	106.67	106.65	
7	106.73	106.86	107.39	108.06	108.98	110.86	110.43	108.85	107.61	106.76	106.67	106.65	
8	106.73	106.87	107.35	108.02	108.97	110.75	110.28	108.76	107.57	106.75	106.68	106.65	
9	106.73	106.92	107.35	108.00	109.27	110.60	110.12	108.68	107.51	106.73	106.69	106.65	
10	106.73	106.95	107.35	107.98	109.87	110.49	109.95	108.60	107.48	106.72	106.70	106.65	
11	106.72	106.95	107.35	107.97	110.45	110.54	109.79	108.57	107.42	106.71	106.72	106.65	
12	106.71	106.99	107.35	107.98	110.87	110.70	109.66	108.53	107.37	106.70	106.71	106.65	
13	106.71	107.02	107.40	108.03	111.10	110.81	109.57	108.50	107.32	106.68	106.70	106.65	
14	106.71	107.06	107.48	108.11	111.25	110.88	109.48	108.49	107.26	106.67	106.70	106.65	
15	106.71	107.10	107.59	108.25	111.34	110.89	109.39	108.48	107.20	106.66	106.70	106.65	
16	106.71	107.17	107.69	108.32	111.41	110.87	109.34	108.48	107.17	106.66	106.70	106.65	
17	106.71	107.25	107.72	108.40	111.45	110.90	109.48	108.47	107.12	106.66	106.70	106.65	
18	106.72	107.31	107.80	108.53	111.45	110.96	109.54	108.44	107.07	106.65	106.70	106.65	
19	106.73	107.34	108.04	108.60	111.42	110.99	109.54	108.42	107.03	106.64	106.71	106.65	
20	106.73	107.33	108.21	108.65	111.40	111.07	109.57	108.40	107.01	106.63	106.71	106.65	
21	106.73	107.38	108.37	108.62	111.36	111.17	109.61	108.38	107.00	106.63	106.70	106.65	
22	106.75	107.46	108.42	108.58	111.35	111.26	109.63	108.33	106.97	106.63	106.69	106.65	
23	106.75	107.50	108.43	108.52	111.35	111.34	109.64	108.30	106.95	106.63	106.68	106.65	
24	106.78	107.50	108.43	108.40	111.32	111.47	109.67	108.27	106.94	106.63	106.67	106.64	
25	106.81	107.51	108.42	108.28	111.30	111.53	109.70	108.22	106.92	106.63	106.66	106.63	
26	106.84	107.50	108.39	108.12	111.25	111.53	109.70	108.18	106.91	106.63	106.65	106.63	
27	106.92	107.49	108.36	108.00	111.18	111.48	109.70	108.10	106.89	106.63	106.65	106.64	
28	106.93	107.45	108.33	107.90	111.08	111.42	109.69	108.06	106.87	106.63	106.65	106.66	
29	106.93	107.42	108.29	107.85	110.96	111.34	109.65	108.00	106.86	106.63		106.66	
30	106.94	107.41	108.24	107.81	110.87	111.26	109.61	107.98	106.85	106.63		106.65	
31		107.41		107.79	110.68		109.56		106.84	106.62		106.64	
MEAN	106.76	107.18	107.81	108.18	110.37	110.94	109.92	108.56	107.26	106.69	106.68	106.65	
MAX	106.94	107.51	108.43	108.65	111.45	111.53	111.16	109.48	107.93	106.82	106.72	106.66	111.53
MIN	106.71	106.86	107.35	107.79	107.80	110.40	109.34	107.98	106.84	106.62	106.62	106.63	106.62

ANNUAL MAX MOMENTARY GAGE HEIGHT 111.53 M (MSL), AT 17.00 HOURS, ON SEP 25, 1985
ZERO GAGE AT BOTTOM ELEVATION 105.00 M (MSL), RIVER BED 100.87 M (MSL)
LEFT BANK ELEVATION 117.97 M (MSL)
RIGHT BANK ELEVATION 116.43 M (MSL), DRAINAGE AREA 106673 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	85.0	134.4	264.0	522.0	385.0	1580.0	1918.0	1066.0	430.5	100.8	58.8	64.5	
2	78.4	129.6	273.0	502.0	423.5	1515.0	1857.5	1030.0	413.0	96.0	58.8	64.5	
3	78.4	127.2	282.0	486.5	444.5	1510.0	1802.5	989.5	395.5	93.8	62.6	62.6	
4	80.6	124.8	276.0	490.0	522.0	1520.0	1725.5	940.0	378.0	89.4	66.4	62.6	
5	80.6	120.0	267.0	494.0	710.0	1610.0	1654.0	881.5	357.0	89.4	68.3	66.4	
6	80.6	115.2	258.0	494.0	814.0	1681.5	1585.0	830.0	336.8	89.4	68.3	64.5	
7	80.6	110.4	252.0	476.0	842.0	1753.0	1525.0	790.0	320.3	87.2	68.3	64.5	
8	80.6	112.8	240.0	462.0	838.0	1692.5	1450.0	754.0	307.4	85.0	70.2	64.5	
9	80.6	124.8	240.0	455.0	971.5	1610.0	1370.0	722.0	288.2	80.6	72.1	64.5	
10	80.6	132.0	240.0	448.0	1245.0	1555.0	1285.0	690.0	279.0	78.4	74.0	64.5	
11	78.4	132.0	240.0	444.5	1535.0	1580.0	1205.5	678.0	261.0	76.2	78.4	64.5	
12	76.2	141.6	240.0	448.0	1758.5	1665.0	1147.0	662.0	246.0	74.0	76.2	64.5	
13	76.2	149.2	255.0	465.5	1885.0	1725.5	1106.5	650.0	231.0	70.2	74.0	64.5	
14	76.2	159.6	279.0	494.0	1967.5	1764.0	1066.0	646.0	213.4	68.3	74.0	64.5	
15	76.2	170.0	313.8	550.0	2017.0	1769.5	1025.5	642.0	196.0	66.4	74.0	64.5	
16	76.2	188.2	346.7	578.0	2055.5	1758.5	1003.0	642.0	188.2	66.4	74.0	64.5	
17	76.2	210.5	357.0	610.0	2077.5	1775.0	1066.0	638.0	175.2	66.4	74.0	64.5	
18	78.4	228.0	385.0	662.0	2077.5	1808.0	1093.0	626.0	162.2	64.5	74.0	64.5	
19	80.6	237.0	469.0	690.0	2061.0	1824.5	1093.0	618.0	151.8	62.6	76.2	64.5	
20	80.6	234.0	534.0	710.0	2050.0	1868.5	1106.5	610.0	146.6	60.7	76.2	64.5	
21	80.6	249.0	598.0	698.0	2028.0	1923.5	1124.5	602.0	144.0	60.7	74.0	64.5	
22	85.0	273.0	618.0	682.0	2022.5	1973.0	1133.5	582.0	136.8	60.7	72.1	64.5	
23	85.0	285.0	622.0	658.0	2022.5	2017.0	1138.0	570.0	132.0	60.7	70.2	64.5	
24	91.6	285.0	622.0	610.0	2006.0	2088.5	1151.5	558.0	129.6	60.7	68.3	62.6	
25	98.4	288.2	618.0	562.0	1995.0	2121.5	1165.0	538.0	124.8	60.7	66.4	60.7	
26	105.6	285.0	606.0	498.0	1967.5	2121.5	1165.0	522.0	122.4	60.7	64.5	60.7	
27	124.8	282.0	594.0	455.0	1929.0	2094.0	1165.0	490.0	117.6	60.7	64.5	62.6	
28	127.2	270.0	582.0	420.0	1874.0	2061.0	1160.5	476.0	112.8	60.7	64.5	66.4	
29	127.2	261.0	566.0	402.5	1808.0	2017.0	1142.5	455.0	110.4	60.7		66.4	
30	129.6	258.0	546.0	388.5	1758.5	1973.0	1124.5	448.0	108.0	60.7		64.5	
31		258.0		381.5	1654.0		1102.0		105.6	58.8		62.6	
TOTAL	2636.2	6075.5	11983.5	16237.0	47745.0	53955.5	39656.5	20346.0	6821.1	2231.5	1963.3	1988.1	211639.2 CMSDAY
MEAN	87.9	196.0	399.5	523.8	1540.2	1798.5	1279.2	678.2	220.0	72.0	70.1	64.1	579.8 CMS
MAX	129.6	288.2	622.0	710.0	2077.5	2121.5	1918.0	1066.0	430.5	100.8	78.4	66.4	2121.5 CMS
MIN	76.2	110.4	240.0	381.5	385.0	1510.0	1003.0	448.0	105.6	58.8	58.8	60.7	58.8 CMS
RUNOFF	227.77	524.92	1035.37	1402.88	4125.17	4661.76	3426.32	1757.89	589.34	192.80	169.63	171.77	18285.63 MCM

MOMENTARY PEAK 2121.50 CMS, AT 111.53 M (MSL), AT 17.00 HOURS, ON SEP 25, 1985

RUNOFF YIELD 5.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

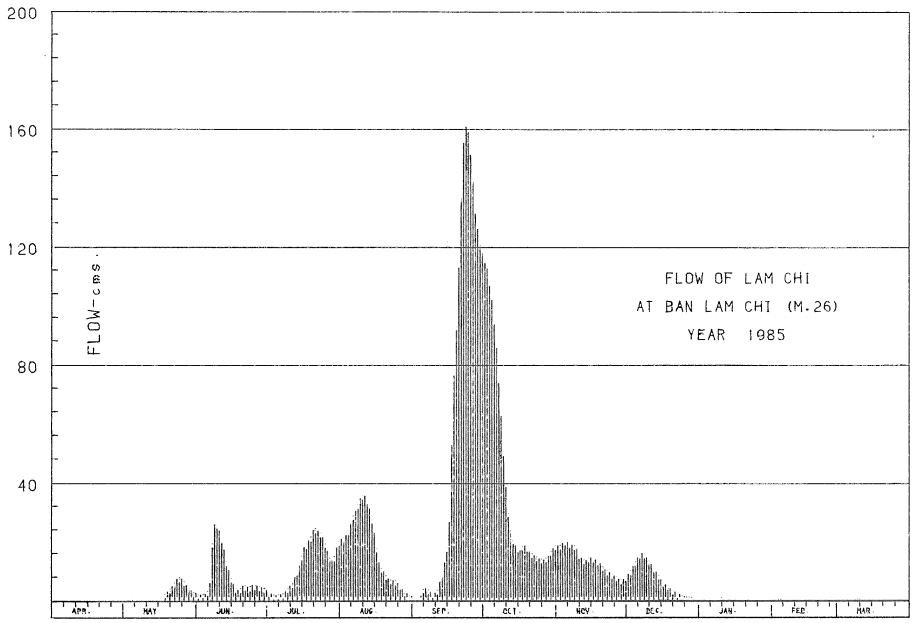
LAM CHI AT BAN LAM CHI, SURIN (M.26)

LOCATION	LAT. 14-54-03 N., LONG. 103-24-21 E., ON LEFT BANK AT RAILWAY BRIDGE, BAN LAM CHI, AMPHOE MUANG, SURIN.
DRAINAGE AREA	2,927 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+127.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+135.010 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1967-1968, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 133 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	127.44	127.61	128.15	128.33	130.15	127.92	134.74	129.98	129.13	127.76	127.60	127.54	
2	127.44	127.59	128.09	128.19	130.17	127.85	134.63	129.98	129.24	127.76	127.61	127.56	
3	127.46	127.59	128.18	128.08	130.23	127.84	134.46	130.03	129.39	127.74	127.68	127.58	
4	127.48	127.56	128.17	128.06	130.35	128.02	134.24	130.08	129.54	127.79	127.65	127.59	
5	127.46	127.55	128.38	128.13	130.51	128.52	133.97	130.06	129.66	127.72	127.59	127.55	
6	127.46	127.59	128.78	128.14	130.70	128.55	133.61	130.02	129.75	127.72	127.57	127.56	
7	127.46	127.62	130.02	128.21	130.81	128.47	133.14	129.99	129.78	127.71	127.64	127.63	
8	127.45	127.58	130.50	128.37	130.95	128.32	132.54	129.97	129.75	127.70	127.61	127.64	
9	127.45	127.53	130.52	128.57	131.07	128.23	131.92	129.89	129.66	127.76	127.58	127.72	
10	127.45	127.49	130.35	128.67	131.13	128.26	131.29	129.73	129.58	127.88	127.60	127.66	
11	127.43	127.46	130.14	128.78	131.12	128.48	130.75	129.65	129.46	127.87	127.58	127.62	
12	127.43	127.45	129.87	129.03	131.04	128.84	130.36	129.60	129.31	127.72	127.58	127.58	
13	127.41	127.61	129.54	129.24	130.86	129.14	130.10	129.59	129.21	127.67	127.58	127.56	
14	127.41	127.70	129.26	129.42	130.61	129.51	129.97	129.65	129.07	127.65	127.73	127.57	
15	127.40	127.71	128.98	129.71	130.29	129.92	129.90	129.66	128.94	127.64	127.63	127.56	
16	127.42	127.73	128.75	129.93	129.90	130.56	129.85	129.64	128.80	127.64	127.56	127.55	
17	127.49	127.75	128.56	130.01	129.52	132.11	129.96	129.60	128.72	127.59	127.62	127.50	
18	127.46	128.12	128.47	130.10	129.32	133.20	129.98	129.56	128.67	127.59	127.66	127.49	
19	127.46	128.34	128.55	130.19	129.22	133.89	129.91	129.49	128.56	127.59	127.67	127.49	
20	127.46	128.54	128.67	130.36	129.08	134.64	129.82	129.38	128.44	127.59	127.53	127.49	
21	127.47	128.65	128.67	130.40	128.97	135.32	129.76	129.28	128.33	127.58	127.52	127.52	
22	127.50	128.80	128.62	130.35	128.92	135.66	129.72	129.24	128.20	127.57	127.52	127.52	
23	127.50	128.96	128.65	130.29	128.90	135.75	129.68	129.19	128.14	127.56	127.52	127.48	
24	127.57	129.00	128.70	130.18	128.88	135.71	129.64	129.12	128.02	127.56	127.52	127.50	
25	127.58	128.97	128.69	130.02	128.79	135.62	129.62	129.07	127.97	127.54	127.60	127.52	
26	127.62	128.86	128.67	129.84	128.69	135.44	129.60	129.04	127.94	127.52	127.60	127.52	
27	127.62	128.69	128.64	129.65	128.52	135.23	129.65	128.96	127.90	127.54	127.60	127.52	
28	127.59	128.55	128.61	129.57	128.37	135.05	129.71	128.93	127.87	127.54	127.56	127.51	
29	127.56	128.42	128.57	129.69	128.20	134.88	129.82	128.95	127.82	127.54		127.56	
30	127.60	128.32	128.45	129.92	128.03	134.80	129.90	129.04	127.78	127.56		127.53	
31		128.24		130.08	127.98		129.97		127.76	127.57		127.52	
MEAN	127.48	128.05	128.94	129.34	129.72	131.52	131.04	129.55	128.79	127.65	127.60	127.55	
MAX	127.62	129.00	130.52	130.40	131.13	135.75	134.74	130.08	129.78	127.88	127.73	127.72	135.75
MIN	127.40	127.45	128.09	128.06	127.98	127.84	129.60	128.93	127.76	127.52	127.52	127.48	127.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 135.75 M (MSL), AT 24.00 HOURS, ON SEP 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 127.00 M (MSL), RIVER BED 127.09 M (MSL)
LEFT BANK ELEVATION 140.41 M (MSL)
RIGHT BANK ELEVATION 140.27 M (MSL), DRAINAGE AREA 2927 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.52	2.40	3.15	21.32	1.48	116.05	19.03	9.30	0.90	0.50	0.35	
2	0.10	0.47	2.16	2.56	21.59	1.20	112.83	19.03	10.40	0.90	0.52	0.40	
3	0.15	0.47	2.52	2.12	22.40	1.16	108.15	19.70	11.90	0.85	0.70	0.45	
4	0.20	0.40	2.48	2.04	24.03	1.88	102.10	20.38	13.44	0.97	0.62	0.47	
5	0.15	0.38	3.40	2.32	26.19	4.14	95.00	20.11	14.82	0.80	0.47	0.38	
6	0.15	0.47	6.14	2.36	29.00	4.35	86.00	19.57	15.95	0.80	0.42	0.40	
7	0.15	0.55	19.57	2.64	30.65	3.85	75.15	19.17	16.34	0.77	0.60	0.57	
8	0.12	0.45	26.05	3.35	32.88	3.10	62.80	18.89	15.95	0.75	0.52	0.60	
9	0.12	0.32	26.34	4.49	34.98	2.72	50.40	17.81	14.82	0.90	0.45	0.80	
10	0.12	0.22	24.03	5.26	36.03	2.84	38.82	15.69	13.88	1.32	0.50	0.65	
11	0.07	0.15	21.19	6.14	35.85	3.90	29.75	14.70	12.60	1.28	0.45	0.55	
12	0.07	0.12	17.54	8.30	34.45	6.62	24.16	14.10	11.10	0.80	0.45	0.45	
13	0.03	0.52	13.44	10.40	31.40	9.40	20.65	13.99	10.10	0.67	0.45	0.40	
14	0.03	0.75	10.60	12.20	27.65	13.11	18.89	14.70	8.70	0.62	0.83	0.42	
15	0.00	0.77	7.82	15.43	23.21	18.22	17.95	14.82	7.46	0.60	0.57	0.40	
16	0.05	0.83	5.90	18.35	17.95	26.92	17.28	14.58	6.30	0.60	0.40	0.38	
17	0.22	0.87	4.42	19.43	13.22	54.20	18.76	14.10	5.66	0.47	0.55	0.25	
18	0.15	2.28	3.85	20.65	11.20	76.50	19.03	13.66	5.26	0.47	0.65	0.22	
19	0.15	3.20	4.35	21.87	10.20	93.00	18.09	12.90	4.42	0.47	0.67	0.22	
20	0.15	4.28	5.26	24.16	8.80	113.10	16.87	11.80	3.70	0.47	0.32	0.22	
21	0.17	5.10	5.26	24.70	7.73	136.50	16.08	10.80	3.15	0.45	0.30	0.30	
22	0.25	6.30	4.86	24.03	7.28	155.45	15.56	10.40	2.60	0.42	0.30	0.30	
23	0.25	7.64	5.10	23.21	7.10	162.13	15.06	9.90	2.36	0.40	0.30	0.20	
24	0.42	8.00	5.50	21.73	6.94	159.03	14.58	9.20	1.88	0.40	0.30	0.25	
25	0.45	7.73	5.42	19.57	6.22	152.65	14.34	8.70	1.68	0.35	0.50	0.30	
26	0.55	6.78	5.26	17.14	5.42	142.50	14.10	8.40	1.56	0.30	0.50	0.30	
27	0.55	5.42	5.02	14.70	4.14	132.70	14.70	7.64	1.40	0.35	0.50	0.30	
28	0.47	4.35	4.78	13.77	3.35	126.25	15.43	7.37	1.28	0.35	0.40	0.28	
29	0.40	3.60	4.49	15.18	2.60	120.60	16.87	7.55	1.08	0.35		0.40	
30	0.50	3.10	3.75	18.22	1.92	118.00	17.95	8.40	0.95	0.40		0.32	
31		2.76		20.38	1.72		18.89		0.90	0.42		0.30	
TOTAL	6.29	78.80	258.90	399.85	547.42	1847.50	1222.29	417.09	230.94	19.60	13.74	11.83	5054.25 CMSDAY
MEAN	0.21	2.54	8.63	12.90	17.66	61.58	39.43	13.90	7.45	0.63	0.49	0.38	13.85 CMS
MAX	0.55	8.00	26.34	24.70	36.03	162.13	116.05	20.38	16.34	1.32	0.83	0.80	162.13 CMS
MIN	0.00	0.12	2.16	2.04	1.72	1.16	14.10	7.37	0.90	0.30	0.30	0.20	0.00 CMS
RUNOFF	0.543	6.808	22.369	34.547	47.297	159.624	105.606	36.037	19.953	1.693	1.187	1.022	436.687 MCM

MOMENTARY PEAK 162.13 CMS, AT 135.75 M (MSL), AT 24.00 HOURS, ON SEP 23, 1985

RUNOFF YIELD 4.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 55.39 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

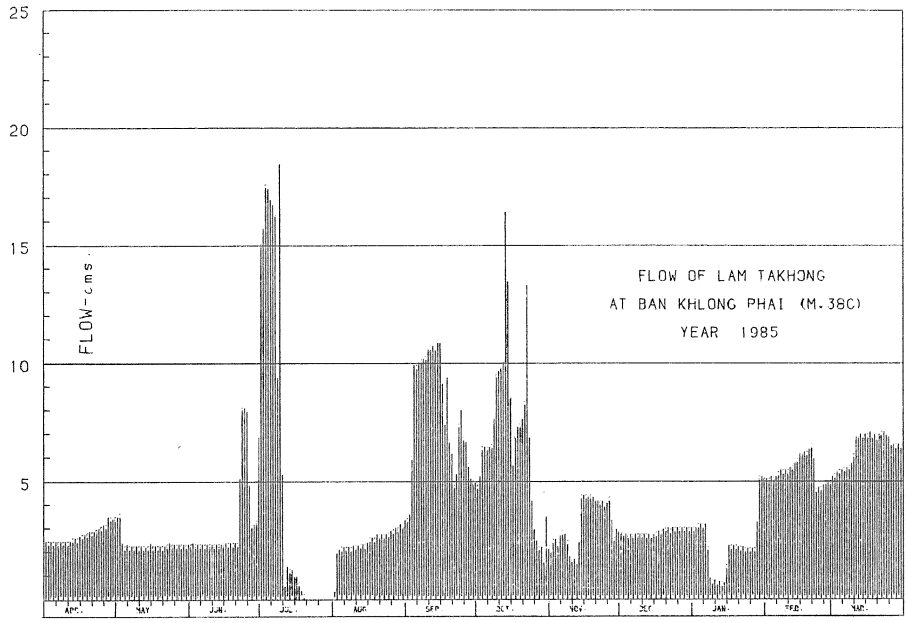
LAM TAKHONG AT BAN KHLONG PHAI, NAKHON RATCHASIMA (M.38C)

LOCATION	LAT. 14-52-06 N., LONG. 101-33-53 E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM LAM TAKHONG DAM, TAMBON KHLONG PHAI, AMPHOE SIKHIU, NAKHON RATCHASIMA.
DRAINAGE AREA	1,292 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+242.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 20 METERS FROM THE MEASURING LINE.
ELEVATION	+251.841 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 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 FLOAT	-
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 FAIR. FLOW REGULATED BY LAM TAKHONG RESERVOIR DIVERTED FOR IRRIGATION OF ABOUT 62,080 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	244.91	245.05	244.89	246.01	244.36	245.04	245.21	244.83	244.96	244.99	245.24	245.25	
2	244.91	245.07	244.90	246.05	244.85	245.06	245.25	244.92	244.96	244.99	245.24	245.26	
3	244.91	244.90	244.89	246.16	244.85	245.34	245.38	244.92	244.95	245.01	245.25	245.27	
4	244.91	244.88	244.89	246.15	244.87	245.67	245.38	244.90	244.95	245.01	245.25	245.28	
5	244.91	244.89	244.89	246.13	244.87	245.67	245.38	244.94	244.95	245.01	245.25	245.28	
6	244.91	244.88	244.89	246.11	244.87	245.68	245.38	244.97	244.95	245.01	245.27	245.29	
7	244.91	244.88	244.89	246.09	244.87	245.69	245.39	244.95	244.95	244.87	245.28	245.29	
8	244.91	244.88	244.89	245.63	244.87	245.69	245.49	244.91	244.95	244.60	245.28	245.30	
9	244.91	244.88	244.89	246.22	244.88	245.70	245.64	244.80	244.95	244.57	245.28	245.31	
10	244.91	244.88	244.89	245.26	244.88	245.72	245.65	244.79	244.95	244.57	245.28	245.35	
11	244.91	244.88	244.89	244.53	244.88	245.73	245.67	244.78	244.95	244.56	245.29	245.42	
12	244.93	244.88	244.89	244.72	244.89	245.73	245.68	244.77	244.95	244.55	245.30	245.43	
13	244.93	244.87	244.89	244.70	244.89	245.73	246.10	244.90	244.95	244.54	245.31	245.43	
14	244.93	244.88	244.89	244.69	244.89	245.74	245.91	245.16	244.95	244.53	245.33	245.43	
15	244.94	244.90	244.90	244.66	244.90	245.75	245.57	245.16	244.95	244.73	245.35	245.43	
16	244.95	244.88	244.90	244.62	244.93	245.61	245.30	245.16	244.96	244.88	245.36	245.43	
17	244.95	244.88	244.90	244.55	244.93	245.48	245.43	245.15	244.97	244.88	245.36	245.44	
18	244.96	244.88	244.90	244.38	244.93	245.63	245.46	245.16	244.97	244.88	245.36	245.43	
19	244.97	244.88	244.90	244.32	244.95	245.41	245.47	245.15	244.98	244.88	245.37	245.43	
20	244.97	244.88	244.90	244.25	244.95	245.35	245.49	245.15	244.99	244.87	245.39	245.42	
21	244.97	244.88	244.90	244.23	244.95	245.21	245.55	245.13	244.99	244.87	245.33	245.43	
22	244.98	244.89	245.24	244.23	244.95	245.26	245.90	245.13	244.98	244.87	245.19	245.44	
23	244.99	244.90	245.53	244.24	244.95	245.47	245.43	245.13	244.99	244.86	245.20	245.44	
24	245.00	244.89	245.53	244.23	244.96	245.52	245.13	245.12	244.99	244.86	245.20	245.44	
25	245.01	244.89	245.53	244.23	244.97	245.42	245.00	245.12	244.99	244.86	245.21	245.42	
26	245.01	244.89	245.21	244.22	244.98	245.40	244.91	245.15	244.99	244.86	245.23	245.40	
27	245.05	244.89	245.01	244.21	244.99	245.31	244.87	245.03	244.99	244.86	245.23	245.39	
28	245.05	244.89	245.01	244.21	244.99	245.24	244.87	244.93	244.99	245.02	245.23	245.39	
29	245.04	244.89	245.03	244.20	245.01	245.23	244.78	244.98	244.99	245.25		245.39	
30	245.05	244.89	245.42	244.20	245.01	245.22	245.05	244.99	244.99	245.25		245.39	
31		244.89		244.18	245.03		244.88		244.99	245.24		245.39	
MEAN	244.96	244.90	245.01	244.89	244.91	245.49	245.37	245.01	244.97	244.86	245.28	245.38	
MAX	245.05	245.07	245.53	246.22	245.03	245.75	246.10	245.16	244.99	245.25	245.39	245.44	246.22
MIN	244.91	244.87	244.89	244.18	244.36	245.04	244.78	244.77	244.95	244.53	245.19	245.25	244.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 246.46 M (MSL), AT 14.00 HOURS, ON OCT 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 242.00 M (MSL), RIVER BED 243.83 M (MSL)
LEFT BANK ELEVATION 251.62 M (MSL)
RIGHT BANK ELEVATION 252.94 M (MSL), DRAINAGE AREA 1292 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.47	3.50	2.34	15.06	0.32	3.42	4.84	1.98	2.82	3.03	5.11	5.20	
2	2.47	3.66	2.40	15.72	2.10	3.58	5.20	2.54	2.82	3.03	5.11	5.29	
3	2.47	2.40	2.34	17.57	2.10	6.05	6.45	2.54	2.75	3.18	5.20	5.38	
4	2.47	2.28	2.34	17.40	2.22	9.91	6.45	2.40	2.75	3.18	5.20	5.47	
5	2.47	2.34	2.34	17.06	2.22	9.91	6.45	2.68	2.75	3.18	5.20	5.47	
6	2.47	2.28	2.34	16.72	2.22	10.04	6.45	2.89	2.75	3.18	5.38	5.56	
7	2.47	2.28	2.34	16.38	2.22	10.17	6.55	2.75	2.75	2.22	5.47	5.56	
8	2.47	2.28	2.34	9.39	2.22	10.17	7.64	2.47	2.75	0.90	5.47	5.65	
9	2.47	2.28	2.34	18.59	2.28	10.30	9.52	1.80	2.75	0.81	5.47	5.75	
10	2.47	2.28	2.34	5.29	2.28	10.58	9.65	1.75	2.75	0.81	5.47	6.15	
11	2.47	2.28	2.34	0.69	2.28	10.72	9.91	1.70	2.75	0.78	5.56	6.87	
12	2.61	2.28	2.34	1.40	2.34	10.72	10.04	1.65	2.75	0.75	5.65	6.98	
13	2.61	2.22	2.34	1.30	2.34	10.72	16.55	2.40	2.75	0.72	5.75	6.98	
14	2.61	2.28	2.34	1.26	2.34	10.86	13.46	4.41	2.75	0.69	5.95	6.98	
15	2.68	2.40	2.40	1.14	2.40	11.00	8.63	4.41	2.75	1.45	6.15	6.98	
16	2.75	2.28	2.40	0.98	2.61	9.13	5.65	4.41	2.82	2.28	6.25	6.98	
17	2.75	2.28	2.40	0.75	2.61	7.53	6.98	4.32	2.89	2.28	6.25	7.09	
18	2.82	2.28	2.40	0.36	2.61	9.39	7.31	4.41	2.89	2.28	6.25	6.98	
19	2.89	2.28	2.40	0.24	2.75	6.76	7.42	4.32	2.96	2.28	6.35	6.98	
20	2.89	2.28	2.40	0.15	2.75	6.15	7.64	4.32	3.03	2.22	6.55	6.87	
21	2.89	2.28	2.40	0.13	2.75	4.84	8.38	4.16	3.03	2.22	5.95	6.98	
22	2.96	2.34	5.11	0.13	2.75	5.29	13.30	4.16	2.96	2.22	4.67	7.09	
23	3.03	2.40	8.12	0.14	2.75	7.42	6.98	4.16	3.03	2.16	4.75	7.09	
24	3.10	2.34	8.12	0.13	2.82	8.00	4.16	4.07	3.03	2.16	4.75	7.09	
25	3.18	2.34	8.12	0.13	2.89	6.87	3.10	4.07	3.03	2.16	4.84	6.87	
26	3.18	2.34	4.84	0.12	2.96	6.65	2.47	4.32	3.03	2.16	5.02	6.65	
27	3.50	2.34	3.18	0.11	3.03	5.75	2.22	3.34	3.03	2.16	5.02	6.55	
28	3.50	2.34	3.18	0.11	3.03	5.11	2.22	2.61	3.03	3.26	5.02	6.55	
29	3.42	2.34	3.34	0.10	3.18	5.02	1.70	2.96	3.03	5.20		6.55	
30	3.50	2.34	6.87	0.10	3.18	4.93	3.50	3.03	3.03	5.20		6.55	
31		2.34		0.08	3.34		2.28		3.03	5.11		6.55	
TOTAL	84.04	74.18	100.50	158.73	77.89	236.99	213.10	97.03	89.24	73.26	153.81	199.69	1558.46 CMSDAY
MEAN	2.80	2.39	3.35	5.12	2.51	7.90	6.87	3.23	2.88	2.36	5.49	6.44	4.27 CMS
MAX	3.50	3.66	8.12	18.59	3.34	11.00	16.55	4.41	3.03	5.20	6.55	7.09	18.59 CMS
MIN	2.47	2.22	2.34	0.08	0.32	3.42	1.70	1.65	2.75	0.69	4.67	5.20	0.08 CMS
RUNOFF	7.261	6.409	8.683	13.714	6.730	20.476	18.412	8.383	7.710	6.330	13.289	17.253	134.651 MCM

MOMENTARY PEAK 22.97 CMS, AT 246.46 M (MSL), AT 14.00 HOURS, ON OCT 22, 1985

RUNOFF YIELD 3.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 17.78 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

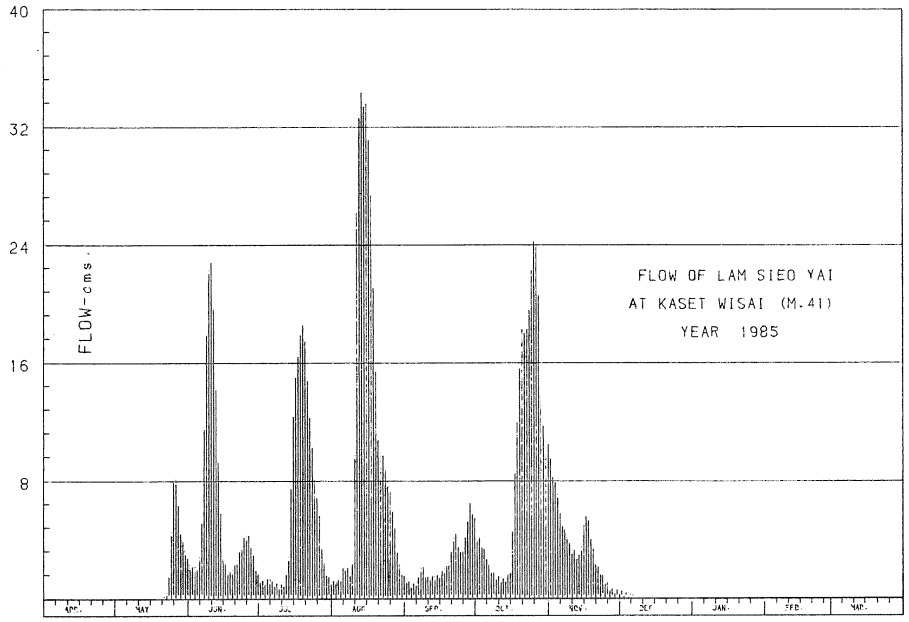
LAM SIEO YAI AT KASET WISAI, ROI ET (M.41)

LOCATION	LAT. 15-38-46 N., LONG. 103-33-55 E., ON LEFT BANK AT TAMBON KASET WISAI, AMPHOE KASET WISAI, ROI ET.
DRAINAGE AREA	1,310 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+125.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+128.419 M.(M.S.L.)
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	1971-1974, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1974, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	125.77	125.60	127.18	127.02	126.97	127.01	127.35	127.64	126.72	126.27	126.09	125.89	
2	125.77	125.60	127.16	126.98	127.00	126.96	127.35	127.60	126.69	126.27	126.09	125.88	
3	125.77	125.59	127.16	126.99	126.99	126.93	127.32	127.57	126.66	126.26	126.09	125.87	
4	125.77	125.58	127.13	127.01	127.04	126.92	127.29	127.53	126.64	126.26	126.07	125.84	
5	125.77	125.57	127.24	127.00	127.15	126.96	127.25	127.46	126.59	126.23	126.05	125.83	
6	125.76	125.56	127.42	126.97	127.17	127.03	127.18	127.42	126.55	126.21	126.05	125.82	
7	125.76	125.57	127.72	126.95	127.15	127.15	127.14	127.39	126.53	126.21	126.05	125.81	
8	125.74	125.58	127.89	126.93	127.11	127.16	127.10	127.36	126.51	126.21	126.04	125.80	
9	125.73	125.57	127.98	126.90	127.19	127.09	127.06	127.32	126.51	126.21	126.04	125.80	
10	125.72	125.56	127.99	126.91	127.65	127.04	127.05	127.28	126.51	126.21	126.03	125.80	
11	125.71	125.57	127.93	126.95	128.05	127.05	127.02	127.28	126.52	126.21	126.02	125.78	
12	125.70	125.61	127.80	127.07	128.15	127.05	127.01	127.25	126.52	126.20	126.01	125.77	
13	125.69	125.62	127.64	127.24	128.17	127.05	127.03	127.25	126.52	126.20	126.01	125.76	
14	125.68	125.62	127.46	127.55	128.16	127.06	127.07	127.30	126.51	126.19	126.01	125.76	
15	125.67	125.63	127.24	127.75	128.16	127.09	127.14	127.41	126.50	126.19	126.00	125.75	
16	125.66	125.62	127.19	127.82	128.13	127.12	127.38	127.46	126.48	126.20	125.99	125.75	
17	125.67	125.65	127.12	127.86	128.07	127.14	127.61	127.43	126.46	126.20	125.99	125.75	
18	125.66	125.84	127.11	127.89	127.96	127.17	127.73	127.36	126.45	126.21	125.97	125.73	
19	125.65	126.16	127.13	127.91	127.83	127.21	127.84	127.29	126.45	126.21	125.97	125.72	
20	125.65	126.35	127.18	127.88	127.70	127.27	127.90	127.21	126.45	126.19	125.96	125.72	
21	125.64	126.48	127.22	127.82	127.66	127.35	127.90	127.16	126.44	126.17	125.96	125.71	
22	125.63	126.70	127.27	127.74	127.66	127.37	127.90	127.12	126.43	126.16	125.95	125.71	
23	125.63	127.04	127.31	127.68	127.61	127.32	127.93	127.06	126.42	126.15	125.95	125.70	
24	125.64	127.38	127.35	127.58	127.57	127.27	127.98	126.99	126.39	126.15	125.94	125.70	
25	125.64	127.57	127.36	127.53	127.54	127.30	128.02	126.94	126.37	126.15	125.91	125.68	
26	125.63	127.58	127.36	127.45	127.48	127.35	128.01	126.84	126.35	126.14	125.91	125.68	
27	125.63	127.49	127.32	127.31	127.40	127.44	127.95	126.79	126.35	126.14	125.90	125.68	
28	125.61	127.39	127.25	127.20	127.29	127.50	127.83	126.78	126.34	126.11	125.89	125.67	
29	125.61	127.33	127.16	127.11	127.19	127.47	127.73	126.77	126.33	126.11		125.67	
30	125.61	127.28	127.08	127.04	127.12	127.44	127.69	126.75	126.32	126.11		125.66	
31		127.23		126.99	127.06		127.69		126.28	126.10		125.64	
MEAN	125.69	126.22	127.38	127.32	127.53	127.18	127.50	127.23	126.48	126.19	126.00	125.75	
MAX	125.77	127.58	127.99	127.91	128.17	127.50	128.02	127.64	126.72	126.27	126.09	125.89	128.17
MIN	125.61	125.56	127.08	126.90	126.97	126.92	127.01	126.75	126.28	126.10	125.89	125.64	125.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 128.17 M (MSL), AT 24.00 HOURS, ON AUG 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 125.30 M (MSL), RIVER BED 125.11 M (MSL)
LEFT BANK ELEVATION 130.87 M (MSL)
RIGHT BANK ELEVATION 130.92 M (MSL), DRAINAGE AREA 1310 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	2.31	1.41	1.21	1.37	4.15	9.50	0.49	0.05	0.02	0.00	
2	0.00	0.00	2.18	1.25	1.32	1.18	4.15	8.50	0.44	0.05	0.02	0.00	
3	0.00	0.00	2.18	1.28	1.28	1.07	3.76	7.90	0.39	0.05	0.02	0.00	
4	0.00	0.00	1.98	1.37	1.50	1.03	3.39	7.10	0.36	0.05	0.02	0.00	
5	0.00	0.00	2.86	1.32	2.11	1.18	2.97	5.82	0.29	0.05	0.02	0.00	
6	0.00	0.00	5.14	1.21	2.24	1.46	2.31	5.14	0.24	0.04	0.02	0.00	
7	0.00	0.00	11.64	1.14	2.11	2.11	2.04	4.67	0.22	0.04	0.02	0.00	
8	0.00	0.00	17.89	1.07	1.85	2.18	1.78	4.28	0.19	0.04	0.01	0.00	
9	0.00	0.00	22.30	0.96	2.37	1.73	1.60	3.76	0.19	0.04	0.01	0.00	
10	0.00	0.00	22.80	1.00	9.75	1.50	1.55	3.29	0.19	0.04	0.01	0.00	
11	0.00	0.00	19.80	1.14	26.20	1.55	1.41	3.29	0.20	0.04	0.01	0.00	
12	0.00	0.00	14.20	1.64	32.85	1.55	1.37	2.97	0.20	0.04	0.01	0.00	
13	0.00	0.00	9.50	2.86	34.35	1.55	1.46	2.97	0.20	0.04	0.01	0.00	
14	0.00	0.00	5.82	7.50	33.60	1.60	1.64	3.50	0.19	0.04	0.01	0.00	
15	0.00	0.00	2.86	12.60	33.60	1.73	2.04	4.97	0.18	0.04	0.01	0.00	
16	0.00	0.00	2.37	15.02	31.35	1.91	4.54	5.82	0.17	0.04	0.01	0.00	
17	0.00	0.00	1.91	16.66	27.36	2.04	8.75	5.31	0.15	0.04	0.01	0.00	
18	0.00	0.00	1.85	17.89	21.30	2.24	11.96	4.28	0.15	0.04	0.01	0.00	
19	0.00	0.03	1.98	18.80	15.43	2.55	15.84	3.39	0.15	0.04	0.01	0.00	
20	0.00	0.09	2.31	17.48	11.00	3.18	18.30	2.55	0.15	0.04	0.01	0.00	
21	0.00	0.17	2.65	15.02	10.00	4.15	18.30	2.18	0.14	0.03	0.01	0.00	
22	0.00	0.45	3.18	12.28	10.00	4.41	18.30	1.91	0.13	0.03	0.01	0.00	
23	0.00	1.50	3.63	10.50	8.75	3.76	19.80	1.60	0.12	0.03	0.01	0.00	
24	0.00	4.54	4.15	8.10	7.90	3.18	22.30	1.28	0.10	0.03	0.01	0.00	
25	0.00	7.90	4.28	7.10	7.30	3.50	24.46	1.10	0.10	0.03	0.01	0.00	
26	0.00	8.10	4.28	5.65	6.16	4.15	23.88	0.78	0.09	0.03	0.01	0.00	
27	0.00	6.33	3.76	3.63	4.80	5.48	20.80	0.64	0.09	0.03	0.01	0.00	
28	0.00	4.67	2.97	2.44	3.39	6.50	15.43	0.62	0.08	0.02	0.00	0.00	
29	0.00	3.89	2.18	1.85	2.37	5.99	11.96	0.60	0.07	0.02		0.00	
30	0.00	3.29	1.69	1.50	1.91	5.48	10.75	0.56	0.07	0.02		0.00	
31		2.76		1.28	1.60		10.75		0.06	0.02		0.00	
TOTAL	0.00	43.72	186.65	192.95	356.96	81.31	291.74	110.28	5.79	1.14	0.34	0.00	1270.88 CMSDAY
MEAN	0.00	1.41	6.22	6.22	11.51	2.71	9.41	3.68	0.19	0.04	0.01	0.00	3.48 CMS
MAX	0.00	8.10	22.80	18.80	34.35	6.50	24.46	9.50	0.49	0.05	0.02	0.00	34.35 CMS
MIN	0.00	0.00	1.69	0.96	1.21	1.03	1.37	0.56	0.06	0.02	0.00	0.00	0.00 CMS
RUNOFF	0.000	3.777	16.127	16.671	30.841	7.025	25.206	9.528	0.500	0.098	0.029	0.000	109.804 MCM

MOMENTARY PEAK 34.35 CMS, AT 128.17 M (MSL), AT 24.00 HOURS, ON AUG 13, 1985

RUNOFF YIELD 2.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 26.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

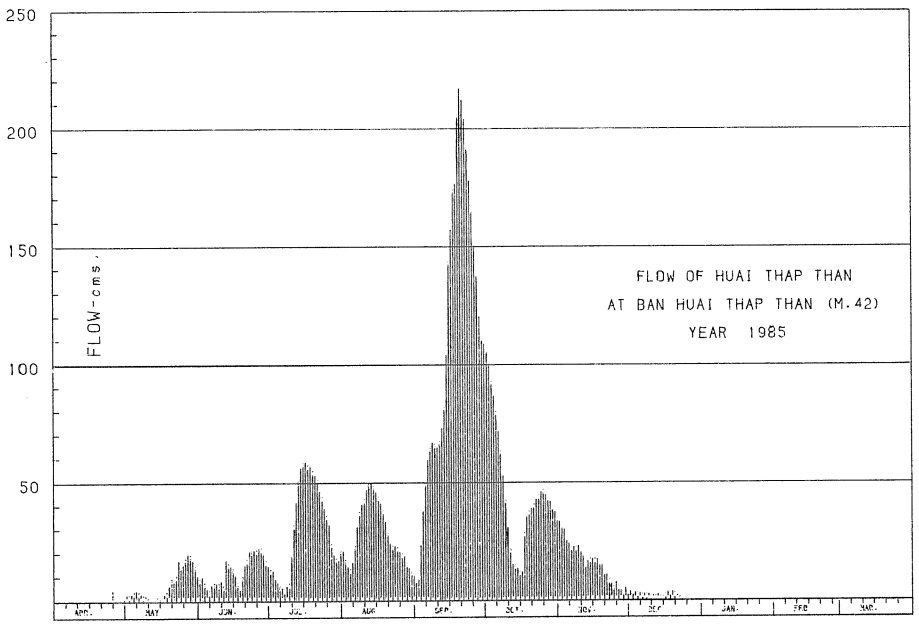
HUAI THAP THAN AT BAN HUAI THAP THAN, SI SA KET (M.42)

LOCATION	LAT. 15-02-42 N., LONG. 104-01-29 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, AMPHOE UTHUMPHON PHISAI, SI SA KET.
DRAINAGE AREA	1,794 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UNDER TAMARIND TREE INFRONT OF THE JOSS HOUSE, ABOUT 120 METERS FROM THE GAGE SITE.
ELEVATION	+9.820 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.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 - 1981.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 174 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	1.13	2.15	2.54	3.30	2.13	8.17	4.36	1.35	0.69	0.53	0.54	
2	0.47	1.14	2.22	2.48	2.94	2.11	8.05	4.24	1.45	0.67	0.53	0.53	
3	0.47	1.18	1.94	2.31	2.64	3.71	7.91	4.11	1.28	0.65	0.53	0.54	
4	0.47	1.37	1.58	1.94	2.55	4.70	7.72	3.84	1.26	0.65	0.54	0.55	
5	0.48	1.47	1.50	1.74	2.83	5.64	7.46	3.62	1.22	0.64	0.53	0.55	
6	0.45	1.39	1.79	1.63	3.53	6.34	7.11	3.47	1.17	0.61	0.51	0.55	
7	0.41	1.20	1.93	1.60	4.19	6.67	6.58	3.48	1.15	0.59	0.56	0.54	
8	0.41	1.10	1.90	1.74	4.69	6.82	5.88	3.47	1.15	0.61	0.49	0.52	
9	0.42	1.05	1.90	1.91	4.94	6.79	5.06	3.51	1.12	0.60	0.55	0.52	
10	0.45	0.88	2.03	3.07	5.11	6.69	4.17	3.42	1.08	0.60	0.56	0.52	
11	0.43	0.84	1.77	4.26	5.42	6.86	3.37	3.07	1.04	0.59	0.55	0.50	
12	0.47	0.91	2.94	5.01	5.61	7.17	2.73	2.76	1.01	0.60	0.59	0.50	
13	0.47	0.96	2.80	5.71	5.64	7.53	2.69	2.89	1.10	0.60	0.57	0.50	
14	0.45	0.96	2.67	6.12	5.55	8.13	2.56	2.98	0.98	0.59	0.57	0.55	
15	0.44	0.87	2.57	6.28	5.35	8.70	2.43	2.97	0.96	0.58	0.51	0.51	
16	0.43	0.88	2.28	6.29	5.18	8.85	2.41	2.96	1.18	0.57	0.47	0.49	
17	0.50	1.13	1.96	6.21	4.97	9.00	3.98	2.96	1.30	0.59	0.52	0.48	
18	0.48	1.38	1.53	6.16	4.74	9.02	4.51	2.87	1.34	0.58	0.55	0.47	
19	0.47	1.75	2.25	6.04	4.36	9.23	4.70	2.71	1.34	0.56	0.51	0.48	
20	0.46	2.15	2.72	5.90	3.99	9.30	4.79	2.44	1.25	0.58	0.50	0.49	
21	0.47	1.96	2.99	5.76	3.63	9.28	4.93	2.31	1.04	0.57	0.48	0.49	
22	0.49	2.30	3.32	5.36	3.52	9.22	5.09	2.08	0.90	0.56	0.56	0.47	
23	0.47	2.91	3.35	5.18	3.52	9.14	5.23	1.85	0.84	0.57	0.52	0.48	
24	0.51	2.74	3.35	4.80	3.47	9.03	5.35	1.68	0.81	0.56	0.52	0.47	
25	1.48	2.73	3.37	4.56	3.27	8.93	5.40	1.95	0.80	0.56	0.51	0.47	
26	0.91	3.00	3.45	4.26	3.20	8.78	5.26	1.71	0.80	0.55	0.50	0.48	
27	0.82	3.18	3.45	3.62	3.09	8.64	5.17	1.45	0.78	0.50	0.54	0.47	
28	0.77	3.15	3.17	3.14	2.80	8.42	5.03	1.40	0.76	0.54	0.52	0.47	
29	0.79	2.90	2.90	2.99	2.59	8.27	4.86	1.61	0.74	0.54		0.59	
30	1.01	2.68	2.68	2.91	2.47	8.22	4.69	1.47	0.72	0.54		0.58	
31		2.26		3.30	2.27		4.50		0.70	0.53		0.57	
MEAN	0.56	1.73	2.48	4.03	3.91	7.44	5.09	2.79	1.05	0.59	0.53	0.51	
MAX	1.48	3.18	3.45	6.29	5.64	9.30	8.17	4.36	1.45	0.69	0.59	0.59	9.30
MIN	0.41	0.84	1.50	1.60	2.27	2.11	2.41	1.40	0.70	0.50	0.47	0.47	0.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.30 M (A.D), AT 18.00 HOURS, ON SEP 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.36 M (A.D)
LEFT BANK ELEVATION 11.33 M (A.D)
RIGHT BANK ELEVATION 11.32 M (A.D), DRAINAGE AREA 1794 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	2.65	9.50	13.40	21.00	9.30	106.07	33.47	3.75	0.72	0.32	0.35	
2	0.17	2.70	10.20	12.80	17.40	9.10	99.67	31.93	4.25	0.68	0.32	0.32	
3	0.17	2.90	7.80	11.10	14.40	25.13	92.95	30.26	3.40	0.62	0.32	0.35	
4	0.17	3.85	5.10	7.80	13.50	37.83	86.60	26.80	3.30	0.62	0.35	0.38	
5	0.20	4.35	4.50	6.30	16.30	49.88	80.00	24.20	3.10	0.60	0.32	0.38	
6	0.12	3.95	6.68	5.48	23.30	59.60	71.70	22.70	2.85	0.53	0.27	0.38	
7	0.02	3.00	7.73	5.25	31.28	64.55	63.20	22.80	2.75	0.47	0.40	0.35	
8	0.02	2.50	7.50	6.30	37.70	66.80	52.96	22.70	2.75	0.53	0.23	0.30	
9	0.05	2.25	7.50	7.58	40.90	66.35	42.44	23.10	2.60	0.50	0.38	0.30	
10	0.12	1.40	8.48	18.70	43.08	64.85	31.03	22.20	2.40	0.50	0.40	0.30	
11	0.08	1.20	6.53	32.18	47.06	67.40	21.70	18.70	2.20	0.47	0.38	0.25	
12	0.17	1.55	17.40	41.80	49.50	72.90	15.30	15.60	2.05	0.50	0.47	0.25	
13	0.17	1.80	16.00	50.78	49.88	81.75	14.90	16.90	2.50	0.50	0.42	0.25	
14	0.12	1.80	14.70	56.30	48.73	103.93	13.60	17.80	1.90	0.47	0.42	0.38	
15	0.10	1.35	13.70	58.70	46.16	143.50	12.30	17.70	1.80	0.45	0.27	0.27	
16	0.08	1.40	10.80	58.85	43.98	157.00	12.10	17.60	2.90	0.42	0.17	0.23	
17	0.25	2.65	7.95	57.65	41.29	174.00	28.59	17.60	3.50	0.47	0.30	0.20	
18	0.20	3.90	4.73	56.90	38.34	176.60	35.39	16.70	3.70	0.45	0.38	0.17	
19	0.17	6.38	10.50	55.10	33.47	205.80	37.83	15.10	3.70	0.40	0.27	0.20	
20	0.15	9.50	15.20	53.22	28.72	217.00	38.98	12.40	3.25	0.45	0.25	0.23	
21	0.17	7.95	17.90	51.42	24.30	213.80	40.78	11.10	2.20	0.42	0.20	0.23	
22	0.23	11.00	21.20	46.29	23.20	204.20	42.83	8.85	1.50	0.40	0.40	0.17	
23	0.17	17.10	21.50	43.98	23.20	192.60	44.62	7.13	1.20	0.42	0.30	0.20	
24	0.27	15.40	21.50	39.11	22.70	177.90	46.16	5.85	1.05	0.40	0.30	0.17	
25	4.40	15.30	21.70	36.03	20.70	165.60	46.80	7.88	1.00	0.40	0.27	0.17	
26	1.55	18.00	22.50	32.18	20.00	150.30	45.01	6.08	1.00	0.38	0.25	0.20	
27	1.10	19.80	22.50	24.20	18.90	138.40	43.85	4.25	0.95	0.25	0.35	0.17	
28	0.92	19.50	19.70	19.40	16.00	120.50	42.06	4.00	0.90	0.35	0.30	0.17	
29	0.98	17.00	17.00	17.90	13.90	111.40	39.88	5.33	0.85	0.35		0.47	
30	2.05	14.80	14.80	17.10	12.70	108.73	37.70	4.35	0.80	0.35		0.45	
31		10.60		21.00	10.70		35.26		0.75	0.32		0.42	
TOTAL	14.62	227.53	392.80	964.80	892.29	3436.70	1422.26	491.08	70.85	14.39	9.01	8.66	7944.99 CMSDAY
MEAN	0.49	7.34	13.09	31.12	28.78	114.56	45.88	16.37	2.29	0.46	0.32	0.28	21.77 CMS
MAX	4.40	19.80	22.50	58.85	49.88	217.00	106.07	33.47	4.25	0.72	0.47	0.47	217.00 CMS
MIN	0.02	1.20	4.50	5.25	10.70	9.10	12.10	4.00	0.75	0.25	0.17	0.17	0.02 CMS
RUNOFF	1.263	19.659	33.938	83.359	77.094	296.931	122.883	42.429	6.121	1.243	0.778	0.748	686.447 MCM

MOMENTARY PEAK 217.00 CMS, AT 9.30 M (A.D), AT 18.00 HOURS, ON SEP 20, 1985

RUNOFF YIELD 12.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 120.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

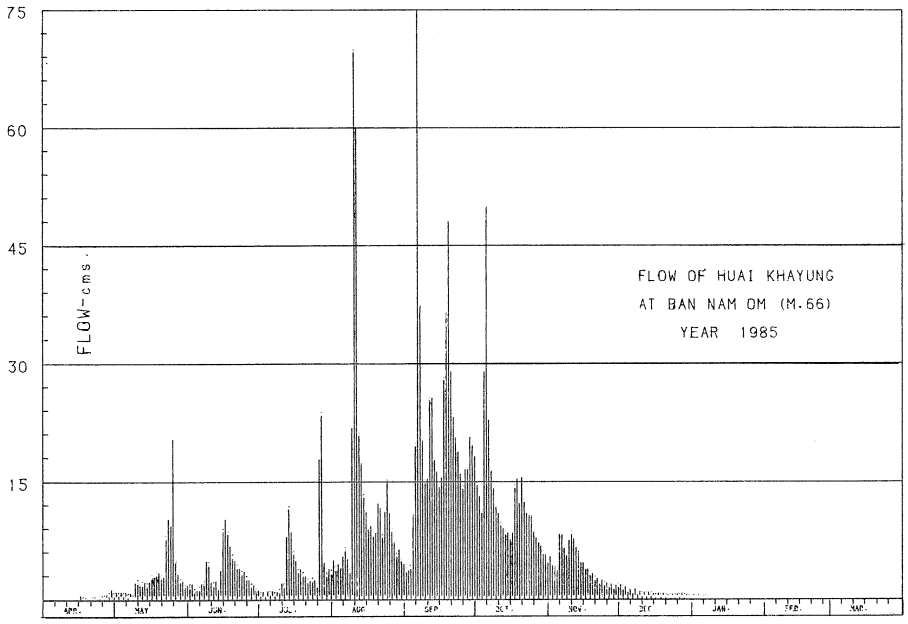
HUAI KHAYUNG AT BAN NAM OM, SI SA KET (M.66)

LOCATION	LAT. 14-38-23 N., LONG. 104-39-45 E., ON RIGHT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF KANTHARALAK-DET UDOM ROAD, BAN NAM OM, AMPHOE KANTHARALAK, SI SA KET.
DRAINAGE AREA	586 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+6.581 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	1965-1968, 1972 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1968, 1972 - 1981.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 160 DISCHARGE MEASUREMENTS MADE DURING 1977 - 1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.30	0.47	0.31	0.80	0.70	1.46	0.83	0.45	0.21	0.10	0.11	
2	0.11	0.30	0.47	0.30	0.72	0.67	1.34	0.78	0.43	0.21	0.10	0.11	
3	0.10	0.30	0.38	0.28	0.75	0.74	1.23	0.73	0.41	0.21	0.10	0.11	
4	0.10	0.30	0.34	0.32	0.75	1.19	2.20	0.72	0.39	0.20	0.10	0.11	
5	0.10	0.30	0.43	0.32	0.83	1.74	3.07	1.02	0.35	0.20	0.10	0.11	
6	0.10	0.27	0.47	0.32	0.91	4.04	1.89	1.05	0.36	0.20	0.10	0.11	
7	0.10	0.27	0.53	0.30	0.81	2.56	1.58	0.90	0.36	0.18	0.10	0.11	
8	0.10	0.23	0.79	0.30	0.69	1.76	1.41	0.87	0.32	0.17	0.10	0.11	
9	0.08	0.49	0.78	0.37	1.84	1.48	1.28	0.97	0.30	0.17	0.09	0.11	
10	0.07	0.54	0.50	0.48	3.73	1.49	1.20	1.05	0.29	0.17	0.09	0.11	
11	0.06	0.44	0.50	0.48	3.40	2.03	1.12	0.98	0.28	0.17	0.09	0.11	
12	0.05	0.51	0.52	1.00	1.81	2.03	1.07	0.94	0.28	0.17	0.08	0.08	
13	0.05	0.50	0.44	1.26	1.62	1.65	1.05	0.88	0.28	0.16	0.08	0.08	
14	0.12	0.49	0.67	1.04	1.36	1.55	1.03	0.81	0.28	0.16	0.08	0.02	
15	0.11	0.50	1.07	0.88	1.21	1.44	1.01	0.77	0.25	0.18	0.08	0.01	
16	0.23	0.62	1.15	0.79	1.09	1.50	1.03	0.74	0.24	0.15	0.08	0.01	
17	0.19	0.59	1.05	0.69	1.09	2.16	1.44	0.69	0.26	0.13	0.08	0.01	
18	0.16	0.66	0.92	0.69	1.03	2.52	1.49	0.66	0.25	0.13	0.08	0.01	
19	0.11	0.65	0.85	0.65	1.03	3.00	1.31	0.63	0.25	0.13	0.10	0.01	
20	0.12	0.62	0.80	0.60	1.31	2.20	1.50	0.59	0.24	0.13	0.05	0.04	
21	0.19	0.59	0.75	0.56	1.24	1.93	1.32	0.56	0.22	0.13	0.05	0.05	
22	0.18	1.01	0.70	0.52	1.02	1.78	1.20	0.53	0.23	0.13	0.05	0.06	
23	0.18	1.15	0.67	0.57	1.21	1.71	1.21	0.53	0.23	0.12	0.05	0.06	
24	0.23	1.13	0.66	0.53	1.48	1.53	1.18	0.50	0.23	0.11	0.05	0.05	
25	0.22	1.77	0.60	0.48	1.20	1.43	1.07	0.48	0.23	0.10	0.05	0.05	
26	0.23	0.81	0.54	1.64	1.07	1.57	0.99	0.47	0.25	0.11	0.06	0.07	
27	0.24	0.63	0.48	1.94	0.95	1.60	0.98	0.46	0.25	0.11	0.06	0.06	
28	0.29	0.56	0.45	0.77	0.86	1.78	0.92	0.44	0.24	0.10	0.06	0.10	
29	0.36	0.52	0.39	0.64	0.89	1.75	0.88	0.44	0.22	0.10		0.11	
30	0.29	0.46	0.34	0.69	0.82	1.66	0.85	0.47	0.21	0.10		0.09	
31		0.45		0.68	0.75		0.81		0.20	0.10		0.09	
MEAN	0.15	0.58	0.62	0.66	1.23	1.77	1.29	0.72	0.28	0.15	0.08	0.07	
MAX	0.36	1.77	1.15	1.94	3.73	4.04	3.07	1.05	0.45	0.21	0.10	0.11	4.04
MIN	0.05	0.23	0.34	0.28	0.69	0.67	0.81	0.44	0.20	0.10	0.05	0.01	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.24 M (A.D), AT 15.00 HOURS, ON SEP 6, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.22 M (A.D)
LEFT BANK ELEVATION 6.50 M (A.D)
RIGHT BANK ELEVATION 6.73 M (A.D), DRAINAGE AREA 586 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	1.00	2.02	1.05	5.00	4.00	14.90	5.45	1.87	0.55	0.00	0.05	
2	0.05	1.00	2.02	1.00	4.20	3.70	13.10	4.80	1.73	0.55	0.00	0.05	
3	0.00	1.00	1.40	0.90	4.50	4.40	11.45	4.30	1.57	0.55	0.00	0.05	
4	0.00	1.00	1.20	1.10	4.50	10.85	29.00	4.20	1.45	0.50	0.00	0.05	
5	0.00	1.00	1.73	1.10	5.45	19.80	50.25	8.30	1.25	0.50	0.00	0.05	
6	0.00	0.85	2.02	1.10	6.65	79.20	22.80	8.75	1.30	0.50	0.00	0.05	
7	0.00	0.85	2.47	1.00	5.15	37.50	16.70	6.50	1.30	0.40	0.00	0.05	
8	0.00	0.65	4.90	1.00	3.90	20.20	14.15	6.05	1.10	0.35	0.00	0.05	
9	0.00	2.18	4.80	1.35	21.80	15.20	12.20	7.55	1.00	0.35	0.00	0.05	
10	0.00	2.55	2.25	2.10	69.90	15.35	11.00	8.75	0.95	0.35	0.00	0.05	
11	0.00	1.80	2.25	2.10	60.00	25.60	9.80	7.70	0.90	0.35	0.00	0.05	
12	0.00	2.32	2.40	8.00	21.20	25.60	9.05	7.10	0.90	0.35	0.00	0.00	
13	0.00	2.25	1.80	11.90	17.40	18.00	8.75	6.20	0.90	0.30	0.00	0.00	
14	0.10	2.18	3.70	8.60	13.40	16.25	8.45	5.15	0.90	0.30	0.00	0.00	
15	0.05	2.25	9.05	6.20	11.15	14.60	8.15	4.70	0.75	0.40	0.00	0.00	
16	0.65	3.20	10.25	4.90	9.35	15.50	8.45	4.40	0.70	0.25	0.00	0.00	
17	0.45	2.92	8.75	3.90	9.35	28.20	14.60	3.90	0.80	0.15	0.00	0.00	
18	0.30	3.60	6.80	3.90	8.45	36.50	15.35	3.60	0.75	0.15	0.00	0.00	
19	0.05	3.50	5.75	3.50	8.45	48.50	12.65	3.30	0.75	0.15	0.00	0.00	
20	0.10	3.20	5.00	3.00	12.65	29.00	15.50	2.92	0.70	0.15	0.00	0.00	
21	0.45	2.92	4.50	2.70	11.60	23.60	12.80	2.70	0.60	0.15	0.00	0.00	
22	0.40	8.15	4.00	2.40	8.30	20.60	11.00	2.47	0.65	0.15	0.00	0.00	
23	0.40	10.25	3.70	2.78	11.15	19.20	11.15	2.47	0.65	0.10	0.00	0.00	
24	0.65	9.95	3.60	2.47	15.20	15.95	10.70	2.25	0.65	0.05	0.00	0.00	
25	0.60	20.40	3.00	2.10	11.00	14.45	9.05	2.10	0.65	0.00	0.00	0.00	
26	0.65	5.15	2.55	17.80	9.05	16.55	7.85	2.02	0.75	0.05	0.00	0.00	
27	0.70	3.30	2.10	23.80	7.25	17.00	7.70	1.95	0.75	0.05	0.00	0.00	
28	0.95	2.70	1.87	4.70	5.90	20.60	6.80	1.80	0.70	0.00	0.00	0.00	
29	1.30	2.40	1.45	3.40	6.35	20.00	6.20	1.80	0.60	0.00		0.05	
30	0.95	1.95	1.20	3.90	5.30	18.20	5.75	2.02	0.55	0.00		0.00	
31		1.87		3.80	4.50		5.15		0.50	0.00		0.00	
TOTAL	8.80	108.34	108.53	137.55	398.05	654.10	400.45	135.20	28.62	7.70	0.00	0.60	1987.94 CMSDAY
MEAN	0.29	3.49	3.62	4.44	12.84	21.80	12.92	4.51	0.92	0.25	0.00	0.02	5.45 CMS
MAX	1.30	20.40	10.25	23.80	69.90	79.20	50.25	8.75	1.87	0.55	0.00	0.05	79.20 CMS
MIN	0.00	0.65	1.20	0.90	3.90	3.70	5.15	1.80	0.50	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.760	9.361	9.377	11.884	34.392	56.514	34.599	11.681	2.473	0.665	0.000	0.052	171.758 MCM

MOMENTARY PEAK 85.20 CMS, AT 4.24 M (A.D), AT 15.00 HOURS, ON SEP 6, 1985

RUNOFF YIELD 9.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 145.39 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

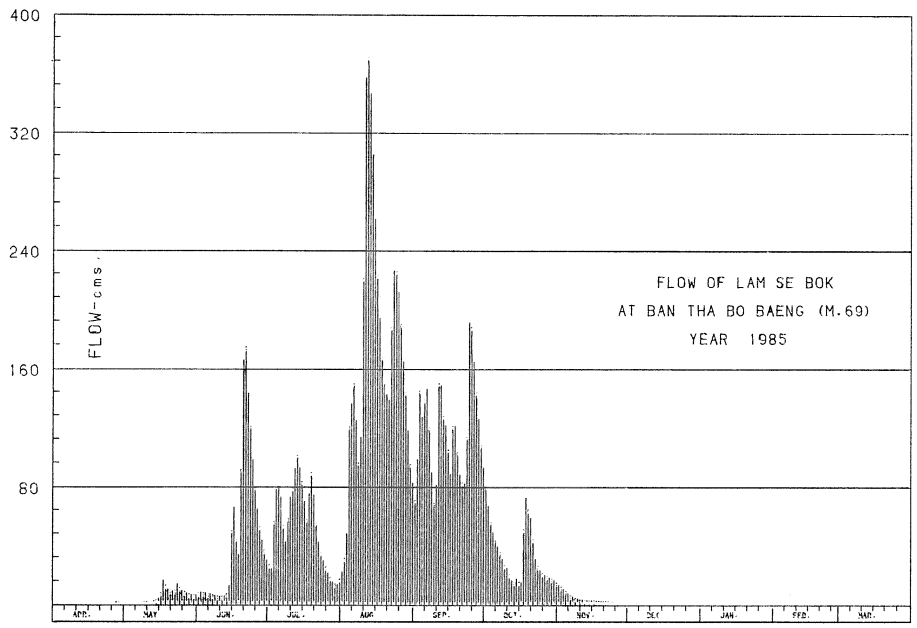
LAM SE BOK AT BAN THA BO BAENG, UBON RATCHATHANI (M.69)

LOCATION	LAT. 15-30- 11 N., LONG. 104-58-01 E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM THE BRIDGE OF UBON-TRAKAN PHUTPHON HIGHWAY, AMPHOE TRAKAN PHUTPHON, UBON RATCHATHANI.
DRAINAGE AREA	2,132 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	BESIDE THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.985 M.(A.D.)
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	1971, 1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971, 1973 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 31 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.69	0.89	1.26	1.97	1.81	4.10	4.29	2.54	1.49	0.82	0.63	0.62	
2	0.70	0.87	1.28	1.88	2.11	4.66	4.02	2.48	1.46	0.80	0.64	0.59	
3	0.69	0.86	1.27	2.86	2.63	5.42	3.77	2.40	1.44	0.80	0.66	0.58	
4	0.68	0.86	1.26	3.41	4.34	5.13	3.61	2.33	1.42	0.78	0.66	0.61	
5	0.70	0.83	1.23	3.47	4.65	5.32	3.47	2.25	1.38	0.76	0.67	0.62	
6	0.70	0.82	1.23	3.28	4.92	5.44	3.37	2.17	1.35	0.75	0.67	0.62	
7	0.70	0.83	1.20	2.78	4.43	5.01	3.27	2.11	1.32	0.74	0.67	0.63	
8	0.70	0.84	1.17	2.47	3.84	4.48	3.14	2.04	1.29	0.73	0.66	0.63	
9	0.70	0.92	1.15	2.92	4.20	4.06	3.00	1.99	1.27	0.72	0.68	0.63	
10	0.70	0.90	1.14	3.28	6.22	4.31	2.94	1.94	1.23	0.71	0.69	0.64	
11	0.69	0.89	1.15	3.44	8.37	5.50	2.79	1.92	1.20	0.71	0.69	0.64	
12	0.68	0.92	1.15	3.76	8.58	5.48	2.67	1.90	1.16	0.71	0.69	0.64	
13	0.68	0.96	1.24	3.95	8.25	5.14	2.63	1.88	1.13	0.70	0.70	0.64	
14	0.68	1.01	1.49	3.77	7.74	5.04	2.70	1.88	1.09	0.70	0.70	0.65	
15	0.67	1.06	2.68	3.54	7.13	4.77	2.63	1.88	1.04	0.70	0.70	0.64	
16	0.65	1.27	3.11	3.21	6.59	4.46	2.62	1.86	1.02	0.69	0.71	0.64	
17	0.65	1.63	2.51	2.90	6.18	5.03	3.66	1.84	1.00	0.69	0.71	0.64	
18	0.68	1.50	2.19	3.34	5.79	5.03	4.14	1.83	0.99	0.68	0.70	0.64	
19	0.81	1.39	3.74	3.70	5.49	4.74	3.96	1.82	0.96	0.68	0.70	0.64	
20	0.79	1.35	5.24	3.32	5.42	4.45	3.84	1.81	0.93	0.68	0.68	0.64	
21	0.75	1.33	5.40	2.83	5.32	4.34	3.49	1.80	0.92	0.67	0.67	0.64	
22	0.73	1.35	4.79	2.46	6.09	4.33	3.14	1.77	0.91	0.66	0.67	0.64	
23	0.73	1.54	4.34	2.23	6.64	4.91	2.98	1.74	0.89	0.65	0.68	0.64	
24	0.73	1.43	3.89	2.06	6.63	6.14	2.89	1.71	0.88	0.65	0.67	0.63	
25	0.75	1.34	3.44	1.92	6.43	6.09	2.83	1.68	0.88	0.65	0.66	0.62	
26	0.78	1.30	3.08	1.79	6.12	5.74	2.79	1.65	0.87	0.65	0.65	0.63	
27	0.93	1.26	2.76	1.69	5.74	5.40	2.76	1.62	0.86	0.64	0.65	0.63	
28	0.89	1.22	2.50	1.60	5.40	5.11	2.73	1.59	0.86	0.63	0.63	0.64	
29	0.86	1.20	2.28	1.54	4.98	4.82	2.70	1.56	0.85	0.63		0.65	
30	0.87	1.20	2.07	1.52	4.59	4.55	2.67	1.53	0.84	0.63		0.66	
31		1.19		1.66	4.34		2.61		0.83	0.63		0.65	
MEAN	0.73	1.13	2.37	2.73	5.52	4.97	3.16	1.92	1.09	0.70	0.67	0.63	
MAX	0.93	1.63	5.40	3.95	8.58	6.14	4.29	2.54	1.49	0.82	0.71	0.66	8.58
MIN	0.65	0.82	1.14	1.52	1.81	4.06	2.61	1.53	0.83	0.63	0.63	0.58	0.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.62 M (A.D), AT 10.00 HOURS, ON AUG 12, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.49 M (A.D)
LEFT BANK ELEVATION 11.23 M (A.D)
RIGHT BANK ELEVATION 11.23 M (A.D), DRAINAGE AREA 2132 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	1.90	8.20	27.51	22.53	71.00	80.50	13.80	1.47	0.12	0.01	0.01	
2	0.50	1.70	8.60	24.71	31.87	99.00	67.40	12.60	1.38	0.10	0.02	0.00	
3	0.45	1.60	8.40	56.60	48.55	145.40	56.15	11.00	1.32	0.10	0.03	0.00	
4	0.40	1.60	8.20	78.40	121.00	127.52	49.40	9.60	1.26	0.09	0.03	0.00	
5	0.50	1.30	7.60	80.80	136.50	139.23	43.80	8.00	1.16	0.08	0.04	0.01	
6	0.50	1.20	7.60	73.20	150.00	146.63	39.80	6.52	1.10	0.08	0.04	0.01	
7	0.50	1.30	7.00	53.80	125.50	120.12	35.95	5.56	1.04	0.07	0.04	0.01	
8	0.50	1.40	6.40	43.07	96.30	90.00	31.40	4.80	0.98	0.07	0.03	0.01	
9	0.50	2.30	6.00	58.80	114.00	69.20	27.00	4.31	0.94	0.06	0.04	0.01	
10	0.50	2.00	5.80	73.20	221.20	81.50	25.20	3.86	0.86	0.05	0.04	0.02	
11	0.45	1.90	6.00	79.60	357.55	150.33	20.70	3.68	0.80	0.05	0.04	0.02	
12	0.40	2.30	6.00	92.70	371.20	149.10	17.10	3.50	0.72	0.05	0.04	0.02	
13	0.40	2.90	7.80	101.50	347.00	128.13	15.90	3.36	0.66	0.05	0.05	0.02	
14	0.40	3.65	13.25	93.15	307.50	121.97	18.00	3.36	0.58	0.05	0.05	0.02	
15	0.35	4.40	50.30	83.60	261.75	105.32	15.90	3.36	0.48	0.05	0.05	0.02	
16	0.25	8.40	66.40	70.40	223.30	89.00	15.60	3.22	0.44	0.04	0.05	0.02	
17	0.25	16.93	44.35	58.00	194.60	121.35	51.40	3.08	0.40	0.04	0.05	0.02	
18	0.40	13.50	34.36	75.60	168.22	121.35	73.00	3.01	0.38	0.04	0.05	0.02	
19	1.10	10.80	91.80	90.00	149.72	103.47	64.70	2.94	0.32	0.04	0.05	0.02	
20	0.95	10.00	166.20	74.80	145.40	88.50	59.30	2.87	0.26	0.04	0.04	0.02	
21	0.75	9.60	175.00	55.55	139.23	83.00	44.60	2.80	0.24	0.04	0.04	0.02	
22	0.65	10.00	143.50	42.76	188.30	82.50	31.40	2.65	0.22	0.03	0.04	0.02	
23	0.65	14.50	121.00	35.60	226.80	113.95	26.40	2.50	0.19	0.02	0.04	0.02	
24	0.65	11.75	98.55	30.31	226.10	191.80	23.70	2.35	0.18	0.02	0.04	0.01	
25	0.75	9.80	79.60	25.96	212.10	188.30	21.90	2.22	0.18	0.02	0.03	0.01	
26	0.90	9.00	65.20	21.91	190.40	165.13	20.70	2.10	0.17	0.02	0.02	0.01	
27	2.45	8.20	53.10	18.80	165.13	144.17	19.80	1.98	0.16	0.02	0.02	0.01	
28	1.90	7.40	44.00	16.00	144.17	126.28	18.90	1.86	0.16	0.01	0.01	0.02	
29	1.60	7.00	37.16	14.50	118.27	108.40	18.00	1.74	0.15	0.01		0.02	
30	1.70	7.00	30.62	14.00	95.50	93.50	17.10	1.62	0.14	0.01		0.03	
31		6.80		17.87	83.00		15.30		0.13	0.01		0.02	
TOTAL	21.75	192.13	1407.99	1682.70	5382.69	3565.15	1066.00	134.25	18.47	1.48	1.03	0.47	13474.11 CMSDAY
MEAN	0.73	6.20	46.93	54.28	173.64	118.84	34.39	4.48	0.60	0.05	0.04	0.02	36.92 CMS
MAX	2.45	16.93	175.00	101.50	371.20	191.80	80.50	13.80	1.47	0.12	0.05	0.03	371.20 CMS
MIN	0.25	1.20	5.80	14.00	22.53	69.20	15.30	1.62	0.13	0.01	0.01	0.00	0.00 CMS
RUNOFF	1.879	16.600	121.650	145.385	465.064	308.029	92.102	11.599	1.596	0.128	0.089	0.041	1164.163 MCM

MOMENTARY PEAK 373.80 CMS, AT 8.62 M (A.D), AT 10.00 HOURS, ON AUG 12, 1985
RUNOFF YIELD 17.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 175.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

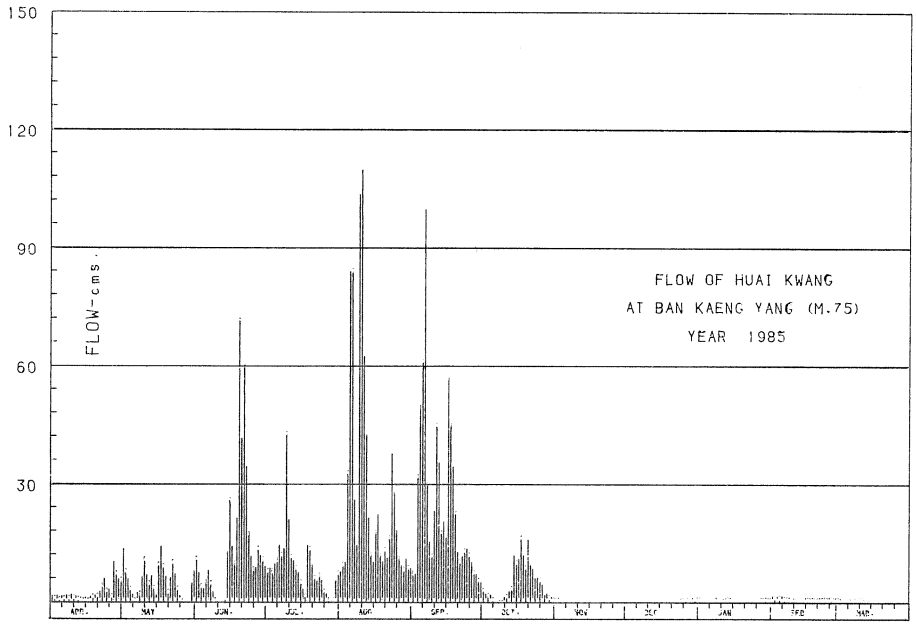
HUAI KWANG AT BAN KAENG YANG, UBON RATCHATHANI (M.75)

LOCATION	LAT. 15-09-53 N., LONG. 105-17-01 E., ON LEFT BANK AT THE BRIDGE OF PHIBUN MANGSAHAN-CHONG MEK HIGHWAY NEAR WAT PA THEPBUROM, AMPHOE PHIBUN MANGSAHAN, UBON RATCHATHANI.
DRAINAGE AREA	388 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 9 METERS FROM THE BANK AT WAT PA THEPBUROM.
ELEVATION	+6.775 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 - 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY THE LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.21	1.92	1.84	1.69	1.65	1.66	1.39	1.11	0.93	1.15	1.20	1.15	
2	1.20	1.69	1.64	1.70	1.77	1.62	1.26	1.13	0.86	1.11	1.23	1.11	
3	1.21	1.55	1.47	1.69	1.77	2.35	1.28	1.06	0.83	1.11	1.19	1.07	
4	1.17	1.42	1.38	1.75	2.37	2.66	1.23	1.02	0.82	1.07	1.22	1.09	
5	1.20	1.24	1.53	1.82	3.60	2.86	1.15	0.96	0.79	1.09	1.20	1.10	
6	1.20	1.12	1.67	1.95	3.62	4.05	1.03	0.88	0.75	1.08	1.18	1.09	
7	1.22	1.29	1.52	1.88	2.22	2.31	0.91	0.86	0.73	1.08	1.17	1.11	
8	1.21	1.32	1.31	1.92	1.98	1.98	1.01	0.88	0.73	1.15	1.16	1.12	
9	1.24	1.58	1.13	2.55	4.15	1.87	0.99	0.86	0.82	1.14	1.13	1.12	
10	1.22	1.83	1.03	2.11	4.34	2.16	1.16	0.84	0.90	1.11	1.12	1.14	
11	1.20	1.61	1.01	1.86	2.89	2.59	1.25	0.81	0.96	1.08	1.12	1.13	
12	1.17	1.52	0.98	1.79	2.55	2.41	1.32	0.80	0.99	1.13	1.13	1.05	
13	1.14	1.60	1.14	1.73	2.12	2.05	1.43	0.81	1.05	1.15	1.11	1.02	
14	1.12	1.44	1.89	1.64	1.88	2.10	1.85	0.87	1.09	1.14	1.08	1.03	
15	1.14	1.22	2.23	1.53	1.77	2.03	1.79	1.00	1.09	1.14	1.15	1.03	
16	1.11	1.77	1.94	1.37	2.05	2.76	1.81	0.87	1.12	1.10	1.16	1.05	
17	1.18	1.94	1.78	1.28	2.14	2.59	2.02	0.83	1.11	1.09	1.15	1.01	
18	1.25	1.75	2.12	1.95	1.87	2.39	1.85	0.81	1.10	1.11	1.15	0.98	
19	1.22	1.59	3.22	1.94	1.78	2.16	1.73	0.78	1.08	1.09	1.14	0.97	
20	1.27	1.36	2.52	1.74	1.93	1.89	2.00	0.75	1.08	1.02	1.13	0.97	
21	1.32	1.57	2.81	1.60	1.82	1.80	1.78	0.76	1.06	1.06	1.15	0.94	
22	1.48	1.80	2.39	1.52	2.02	1.84	1.69	0.77	1.11	1.07	1.15	0.96	
23	1.56	1.62	2.04	1.63	2.45	1.92	1.62	0.77	1.11	1.10	1.17	0.98	
24	1.39	1.43	1.84	1.53	2.27	1.92	1.57	0.76	1.11	1.10	1.15	1.00	
25	1.37	1.21	1.71	1.37	2.05	1.88	1.57	0.75	1.11	1.13	1.16	1.07	
26	1.25	1.08	1.71	1.26	1.84	1.77	1.46	0.74	1.15	1.13	1.17	1.02	
27	1.78	1.04	1.94	1.14	1.73	1.67	1.34	0.74	1.12	1.14	1.15	1.03	
28	1.66	0.94	1.85	1.10	1.71	1.62	1.27	0.75	1.08	1.14	1.14	1.07	
29	1.55	0.97	1.83	1.12	1.81	1.56	1.22	0.96	1.13	1.16		1.06	
30	1.57	1.54	1.72	1.52	1.73	1.50	1.16	1.07	1.17	1.14		0.99	
31		1.66		1.66	1.70		1.14		1.15	1.13		0.95	
MEAN	1.29	1.47	1.77	1.66	2.24	2.13	1.43	0.87	1.00	1.11	1.16	1.05	
MAX	1.78	1.94	3.22	2.55	4.34	4.05	2.02	1.13	1.17	1.16	1.23	1.15	4.34
MIN	1.11	0.94	0.98	1.10	1.65	1.50	0.91	0.74	0.73	1.02	1.08	0.94	0.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.44 M (A.D), AT 19.00 HOURS, ON AUG 9, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.11 M (A.D)
LEFT BANK ELEVATION 8.87 M (A.D)
RIGHT BANK ELEVATION 8.56 M (A.D), DRAINAGE AREA 388 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.69	13.60	11.68	8.51	7.75	7.94	3.54	1.01	0.29	1.27	1.60	1.27	
2	1.60	8.51	7.56	8.70	10.17	7.18	2.14	1.14	0.12	1.01	1.87	1.01	
3	1.69	5.95	4.67	8.51	10.17	32.50	2.32	0.77	0.06	1.01	1.54	0.82	
4	1.40	3.94	3.42	9.75	33.50	50.20	1.87	0.59	0.04	0.82	1.78	0.91	
5	1.60	1.96	5.61	11.24	84.00	61.65	1.27	0.38	0.00	0.91	1.60	0.95	
6	1.60	1.08	8.13	14.50	84.70	99.88	0.63	0.16	0.00	0.86	1.47	0.91	
7	1.78	2.41	5.44	12.56	26.00	30.50	0.23	0.12	0.00	0.86	1.40	1.01	
8	1.69	2.73	2.61	13.60	15.40	15.40	0.54	0.16	0.00	1.27	1.34	1.08	
9	1.96	6.46	1.14	43.25	103.62	12.34	0.47	0.12	0.04	1.21	1.14	1.08	
10	1.78	11.46	0.63	20.95	110.75	23.20	1.34	0.08	0.20	1.01	1.08	1.21	
11	1.60	6.99	0.54	12.12	62.48	45.45	2.05	0.02	0.38	0.86	1.08	1.14	
12	1.40	5.44	0.44	10.59	43.25	35.55	2.73	0.00	0.47	1.14	1.14	0.72	
13	1.21	6.80	1.21	9.33	21.40	18.25	4.08	0.02	0.72	1.27	1.01	0.59	
14	1.08	4.23	12.78	7.56	12.56	20.50	11.90	0.14	0.91	1.21	0.86	0.63	
15	1.21	1.78	26.50	5.61	10.17	17.35	10.59	0.50	0.91	1.21	1.27	0.63	
16	1.01	10.17	14.20	3.31	18.25	57.20	11.02	0.14	1.08	0.95	1.34	0.72	
17	1.47	14.20	10.38	2.32	22.30	45.45	16.90	0.06	1.01	0.91	1.27	0.54	
18	2.05	9.75	21.40	14.50	12.34	34.50	11.90	0.02	0.95	1.01	1.27	0.44	
19	1.78	6.63	72.10	14.20	10.38	23.20	9.33	0.00	0.86	0.91	1.21	0.41	
20	2.23	3.19	41.60	9.54	13.90	12.78	16.00	0.00	0.86	0.59	1.14	0.41	
21	2.73	6.29	60.28	6.80	11.24	10.80	10.38	0.00	0.77	0.77	1.27	0.32	
22	4.81	10.80	34.50	5.44	16.90	11.68	8.51	0.00	1.01	0.82	1.27	0.38	
23	6.12	7.18	17.80	7.37	37.75	13.60	7.18	0.00	1.01	0.95	1.40	0.44	
24	3.54	4.08	11.68	5.61	28.50	13.60	6.29	0.00	1.01	0.95	1.27	0.50	
25	3.31	1.69	8.91	3.31	18.25	12.56	6.29	0.00	1.01	1.14	1.34	0.82	
26	2.05	0.86	8.91	2.14	11.68	10.17	4.52	0.00	1.27	1.14	1.40	0.59	
27	10.38	0.68	14.20	1.21	9.33	8.13	2.96	0.00	1.08	1.21	1.27	0.63	
28	7.94	0.32	11.90	0.95	8.91	7.18	2.23	0.00	0.86	1.21	1.21	0.82	
29	5.95	0.41	11.46	1.08	11.02	6.12	1.78	0.38	1.14	1.34		0.77	
30	6.29	5.78	9.12	5.44	9.33	5.10	1.34	0.82	1.40	1.21		0.47	
31		7.94		7.94	8.70		1.21		1.27	1.14		0.35	
TOTAL	84.95	173.31	440.80	287.94	884.70	749.96	163.54	6.63	20.73	32.17	36.84	22.57	2904.14 CMSDAY
MEAN	2.83	5.59	14.69	9.29	28.54	25.00	5.28	0.22	0.67	1.04	1.32	0.73	7.96 CMS
MAX	10.38	14.20	72.10	43.25	110.75	99.88	16.90	1.14	1.40	1.34	1.87	1.27	110.75 CMS
MIN	1.01	0.32	0.44	0.95	7.75	5.10	0.23	0.00	0.00	0.59	0.86	0.32	0.00 CMS
RUNOFF	7.340	14.974	38.085	24.878	76.438	64.797	14.130	0.573	1.791	2.779	3.183	1.950	250.918 MCM

MOMENTARY PEAK 157.40 CMS, AT 5.44 M (A.D), AT 19.00 HOURS, ON AUG 9, 1985

RUNOFF YIELD 20.51 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 405.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

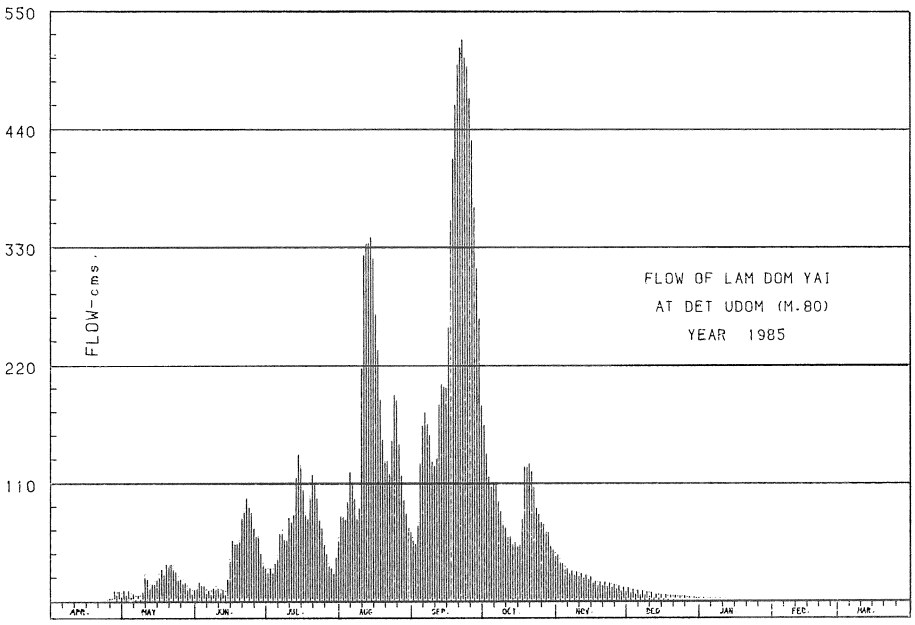
LAM DOM YAI AT DET UDOM, UBON RATCHATHANI (M.80)

LOCATION	LAT. 14-53-53 N., LONG. 105-05-08 E., ON LEFT BANK ABOUT 20 METERS DOWNSTREAM FROM THE BRIDGE ON ROAD, AMPHOE DET UDOM, UBON RATCHATHANI.
DRAINAGE AREA	3,363 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+117.262 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+130.912 M.(M.S.L.)
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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	117.93	118.51	118.73	119.26	120.55	120.08	122.20	119.62	118.62	118.18	118.05	117.94	
2	117.92	118.51	118.82	119.26	120.61	119.90	121.70	119.51	118.58	118.18	118.05	117.94	
3	117.92	118.50	118.86	119.26	120.48	120.43	121.36	119.40	118.56	118.16	118.04	117.93	
4	117.91	118.41	118.69	119.39	120.87	121.54	121.10	119.32	118.54	118.16	118.04	117.92	
5	117.91	118.35	118.57	119.61	121.38	122.19	121.25	119.25	118.52	118.16	118.04	117.92	
6	117.90	118.29	118.51	120.16	121.19	122.34	121.20	119.20	118.52	118.16	118.03	117.92	
7	117.90	118.29	118.53	120.26	120.88	122.21	120.88	119.18	118.50	118.16	118.03	117.92	
8	117.90	118.31	118.60	120.01	120.55	121.99	120.65	119.16	118.50	118.14	118.02	117.91	
9	117.89	118.43	118.70	120.10	120.70	121.63	120.44	119.15	118.45	118.14	118.01	117.91	
10	117.88	119.09	118.60	120.52	123.04	121.49	120.30	119.12	118.44	118.14	118.00	117.91	
11	117.88	118.91	118.60	120.51	124.48	121.68	120.17	119.10	118.42	118.14	118.00	117.90	
12	117.87	118.74	118.55	120.58	124.66	122.46	120.10	119.08	118.36	118.14	118.00	117.90	
13	117.87	118.75	118.52	121.34	124.63	122.83	119.98	119.06	118.34	118.12	117.98	117.90	
14	117.94	118.88	118.92	121.69	124.73	122.74	119.95	119.03	118.34	118.12	117.98	117.90	
15	117.94	118.89	119.51	121.51	124.44	122.78	119.93	119.00	118.32	118.12	117.98	117.90	
16	117.89	119.10	119.99	121.04	123.75	123.54	119.87	118.92	118.32	118.10	117.97	117.90	
17	117.87	119.22	120.02	120.63	123.24	124.93	120.56	118.86	118.32	118.10	117.97	117.90	
18	117.89	119.22	119.90	120.49	122.58	125.61	121.48	118.84	118.30	118.09	117.97	117.90	
19	117.91	119.36	120.07	120.94	121.92	126.24	121.54	118.84	118.29	118.08	117.96	117.90	
20	117.91	119.43	120.50	121.33	121.62	126.63	121.54	118.84	118.28	118.08	117.96	117.90	
21	117.90	119.37	120.70	121.26	121.59	126.84	121.46	118.83	118.28	118.08	117.96	117.89	
22	118.04	119.35	120.89	120.89	121.39	126.89	121.10	118.81	118.26	118.08	117.96	117.89	
23	118.05	119.14	120.79	120.54	121.90	126.74	120.77	118.80	118.26	118.07	117.96	117.89	
24	118.06	119.02	120.62	120.29	122.66	126.61	120.59	118.78	118.26	118.07	117.96	117.89	
25	118.14	118.91	120.37	119.95	122.53	126.31	120.50	118.75	118.26	118.07	117.96	117.89	
26	118.15	118.92	120.09	119.64	121.90	125.82	120.39	118.72	118.23	118.07	117.96	117.89	
27	118.49	118.81	120.17	119.40	121.31	125.08	120.28	118.69	118.23	118.07	117.94	117.89	
28	118.49	118.72	119.65	119.26	120.92	124.32	120.20	118.65	118.23	118.06	117.94	117.89	
29	118.47	118.61	119.41	119.22	120.61	123.69	119.94	118.64	118.22	118.05		117.89	
30	118.41	118.55	119.26	119.55	120.38	122.45	119.75	118.62	118.18	118.05		117.89	
31		118.54		120.07	120.20		119.67		118.18	118.05		117.89	
MEAN	118.01	118.81	119.44	120.26	121.99	123.60	120.67	118.99	118.36	118.11	117.99	117.90	
MAX	118.49	119.43	120.89	121.69	124.73	126.89	122.20	119.62	118.62	118.18	118.05	117.94	126.89
MIN	117.87	118.29	118.51	119.22	120.20	119.90	119.67	118.62	118.18	118.05	117.94	117.89	117.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 126.90 M (MSL), AT 24.00 HOURS, ON SEP 21, 1985
ZERO GAGE AT BOTTOM ELEVATION 117.26 M (MSL), RIVER BED 117.32 M (MSL)
LEFT BANK ELEVATION 129.16 M (MSL)
RIGHT BANK ELEVATION 127.66 M (MSL), DRAINAGE AREA 3363 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	10.25	15.75	31.30	79.75	60.29	168.00	43.90	13.00	3.70	1.88	0.80	
2	0.65	10.25	18.10	31.30	82.50	53.88	138.00	39.98	12.00	3.70	1.88	0.80	
3	0.65	10.00	19.30	31.30	76.60	74.35	120.00	36.06	11.50	3.40	1.75	0.72	
4	0.58	8.20	14.75	35.71	95.50	129.00	107.00	33.21	11.00	3.40	1.75	0.65	
5	0.58	7.00	11.75	43.54	121.00	167.40	114.50	31.00	10.50	3.40	1.75	0.65	
6	0.50	5.80	10.25	63.40	111.50	176.40	112.00	29.50	10.50	3.40	1.62	0.65	
7	0.50	5.80	10.75	67.40	96.00	168.60	96.00	28.90	10.00	3.40	1.62	0.65	
8	0.50	6.20	12.50	57.79	79.75	155.40	84.50	28.30	10.00	3.10	1.50	0.58	
9	0.46	8.60	15.00	61.00	87.00	133.80	74.80	28.00	9.00	3.10	1.38	0.58	
10	0.42	26.20	12.50	78.40	220.80	126.50	69.00	27.10	8.80	3.10	1.25	0.58	
11	0.42	20.80	12.50	77.95	323.00	136.80	63.80	26.50	8.40	3.10	1.25	0.50	
12	0.38	16.00	11.25	81.10	336.80	183.60	61.00	25.90	7.20	3.10	1.25	0.50	
13	0.38	16.25	10.50	119.00	334.40	206.10	56.73	25.30	6.80	2.80	1.10	0.50	
14	0.80	19.90	21.10	137.40	342.40	200.40	55.66	24.40	6.80	2.80	1.10	0.50	
15	0.80	20.20	39.98	127.50	320.00	202.80	54.94	23.50	6.40	2.80	1.10	0.50	
16	0.46	26.50	57.08	104.00	270.50	255.80	52.81	21.10	6.40	2.50	1.03	0.50	
17	0.38	30.10	58.15	83.50	234.80	358.40	80.20	19.30	6.40	2.50	1.03	0.50	
18	0.46	30.10	53.88	77.05	190.80	412.80	126.00	18.70	6.00	2.38	1.03	0.50	
19	0.58	34.64	59.93	99.00	151.20	465.90	129.00	18.70	5.80	2.25	0.95	0.50	
20	0.58	37.13	77.50	118.50	133.20	500.70	129.00	18.70	5.60	2.25	0.95	0.50	
21	0.50	34.99	87.00	115.00	131.50	519.60	125.00	18.40	5.60	2.25	0.95	0.46	
22	1.75	34.28	96.50	96.50	121.50	524.10	107.00	17.80	5.20	2.25	0.95	0.46	
23	1.88	27.70	91.50	79.30	150.00	510.60	90.50	17.50	5.20	2.13	0.95	0.46	
24	2.00	24.10	83.00	68.60	195.60	498.90	81.55	17.00	5.20	2.13	0.95	0.46	
25	3.10	20.80	71.80	55.66	187.80	471.90	77.50	16.25	5.20	2.13	0.95	0.46	
26	3.25	21.10	60.64	44.61	150.00	430.20	72.60	15.50	4.60	2.13	0.95	0.46	
27	9.80	17.80	63.80	36.06	117.50	370.40	68.20	14.75	4.60	2.13	0.80	0.46	
28	9.80	15.50	44.97	31.30	98.00	311.00	65.00	13.75	4.60	2.00	0.80	0.46	
29	9.40	12.75	36.42	30.10	82.50	266.30	55.30	13.50	4.40	1.88		0.46	
30	8.20	11.25	31.30	41.41	72.20	183.00	48.53	13.00	3.70	1.88		0.46	
31		11.00		59.93	65.00		45.68		3.70	1.88		0.46	
TOTAL	60.48	581.19	1209.45	2184.61	5059.10	8254.92	2729.80	705.50	224.10	82.97	34.47	16.72	21143.31 CMSDAY
MEAN	2.02	18.75	40.32	70.47	163.20	275.16	88.06	23.52	7.23	2.68	1.23	0.54	57.93 CMS
MAX	9.80	37.13	96.50	137.40	342.40	524.10	168.00	43.90	13.00	3.70	1.88	0.80	524.10 CMS
MIN	0.38	5.80	10.25	30.10	65.00	53.88	45.68	13.00	3.70	1.88	0.80	0.46	0.38 CMS
RUNOFF	5.225	50.215	104.496	188.750	437.106	713.225	235.855	60.955	19.362	7.169	2.978	1.445	1826.782 MCM

MOMENTARY PEAK 525.00 CMS, AT 126.90 M (MSL), AT 24.00 HOURS, ON SEP 21, 1985

RUNOFF YIELD 17.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 156.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

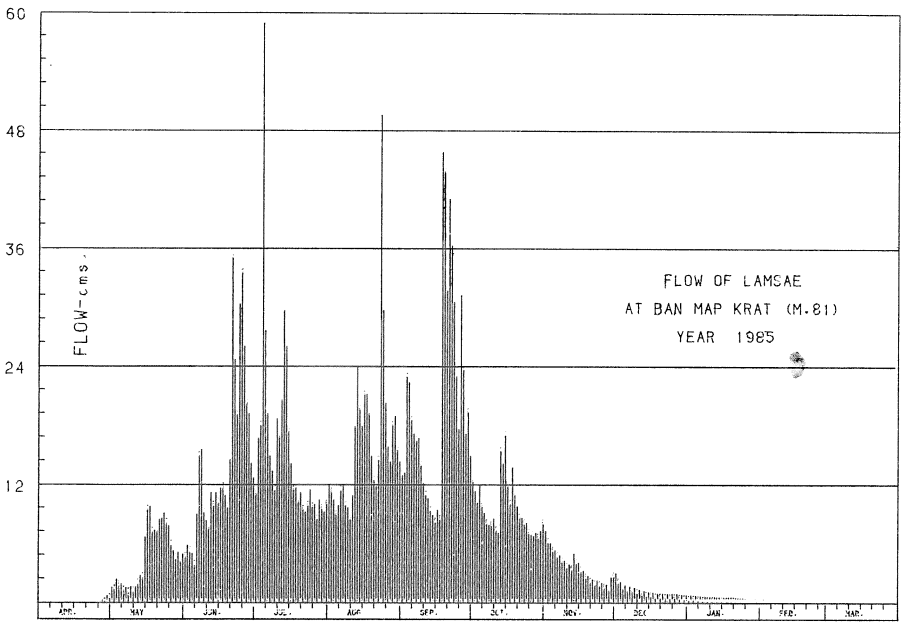
LAM SAE AT BAN MAP KRAT, NAKHON RATCHASIMA (M.81)

LOCATION	LAT. 14-23-51 N., LONG. 102-15-20 E., ON RIGHT BANK ABOUT 3 KILOMETERS UPSTREAM FROM DAM SITE AT BAN MAP KRAT, TAMBON KHOK KRACHAI, AMPHOE KHON BURI, NAKHON RATCHASIMA.
DRAINAGE AREA	482 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+208.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF STATION OFFICE.
ELEVATION	+214.011 M.(M.S.L.)
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	1968 - 1969, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 - 1969, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW EFFECTED BY LAM SAE DAM DOWNSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 159 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	209.03	210.43	211.21	211.89	211.93	212.01	211.97	211.52	210.83	210.10	209.89	209.26	
2	209.03	210.51	211.32	212.17	211.91	212.00	211.89	211.42	210.69	210.10	209.89	209.23	
3	209.07	210.67	211.30	212.24	211.83	212.41	211.84	211.35	210.61	210.10	209.88	209.21	
4	209.09	210.63	211.20	213.11	211.74	212.38	211.93	211.30	210.55	210.08	209.88	209.20	
5	209.07	210.55	211.08	212.54	211.79	212.26	211.81	211.25	210.50	210.07	209.87	209.19	
6	209.05	210.47	211.71	212.27	211.92	212.19	211.72	211.22	210.48	210.06	209.86	209.18	
7	209.04	210.42	212.11	212.11	211.93	212.18	211.65	211.17	210.46	210.04	209.84	209.18	
8	209.04	210.41	212.12	212.01	211.82	212.17	211.59	211.13	210.44	210.04	209.83	209.17	
9	209.04	210.45	211.76	211.92	211.77	212.06	211.63	211.08	210.42	210.03	209.82	209.16	
10	209.01	210.44	211.64	212.25	211.70	211.94	211.66	211.04	210.39	210.02	209.80	209.17	
11	209.01	210.44	211.61	212.19	211.86	211.89	211.57	211.01	210.35	210.02	209.76	209.17	
12	209.02	210.68	211.88	212.32	212.23	211.84	211.50	210.99	210.32	210.02	209.72	209.16	
13	209.01	210.77	211.82	212.59	212.43	211.78	212.13	211.20	210.30	210.01	209.69	209.17	
14	209.01	210.83	211.88	212.49	212.30	211.70	212.05	211.11	210.27	210.01	209.68	209.17	
15	209.02	211.44	211.84	212.21	212.22	211.67	212.20	211.04	210.25	210.01	209.68	209.16	
16	209.03	211.79	211.91	212.05	212.35	211.75	211.92	210.97	210.25	210.00	209.61	209.14	
17	209.00	211.78	211.94	211.92	212.34	211.70	211.83	210.89	210.23	210.00	209.50	209.12	
18	209.01	211.56	211.86	211.91	212.28	212.91	212.03	210.82	210.21	210.00	209.52	209.11	
19	209.01	211.53	211.81	211.84	212.09	212.88	211.89	210.76	210.20	210.01	209.49	209.10	
20	209.00	211.57	212.07	211.88	211.98	212.63	211.78	210.71	210.20	210.00	209.50	209.09	
21	209.00	211.65	212.71	211.79	211.92	212.83	211.71	210.67	210.19	209.98	209.57	209.09	
22	209.00	211.72	212.45	211.73	212.09	212.73	211.67	210.64	210.18	209.96	209.59	209.10	
23	209.01	211.72	212.28	211.82	212.97	212.61	211.65	210.65	210.17	209.95	209.54	209.18	
24	209.03	211.66	212.60	211.90	212.59	212.40	211.61	210.62	210.17	209.94	209.48	209.15	
25	209.13	211.58	212.68	211.81	212.31	212.22	211.54	210.58	210.18	209.91	209.40	209.12	
26	209.37	211.39	212.49	211.80	212.15	212.62	211.47	210.55	210.18	209.90	209.39	209.09	
27	209.78	211.24	212.32	211.70	212.06	212.43	211.52	210.52	210.17	209.90	209.37	209.08	
28	209.93	211.20	212.27	211.83	212.24	212.19	211.50	210.51	210.15	209.89	209.32	209.06	
29	210.07	211.22	212.07	211.80	212.26	212.29	211.49	210.72	210.14	209.89		209.06	
30	210.17	211.18	211.97	211.73	212.13	212.09	211.52	210.85	210.12	209.89		209.05	
31		211.19		211.83	212.06		211.65		210.11	209.89		209.04	
MEAN	209.17	211.07	211.93	212.05	212.10	212.23	211.74	210.94	210.31	209.99	209.66	209.14	
MAX	210.17	211.79	212.71	213.11	212.97	212.91	212.20	211.52	210.83	210.10	209.89	209.26	213.11
MIN	209.00	210.41	211.08	211.70	211.70	211.67	211.47	210.51	210.11	209.89	209.32	209.04	209.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 213.41 M (MSL), AT 16.00 HOURS, ON SEP 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 208.00 M (MSL), RIVER BED 207.92 M (MSL)
LEFT BANK ELEVATION 213.75 M (MSL)
RIGHT BANK ELEVATION 213.56 M (MSL), DRAINAGE AREA 482 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	1.546	5.070	11.350	12.010	13.390	12.690	7.280	3.020	0.750	0.389	0.014	
2	0.000	1.803	5.840	16.710	11.670	13.200	11.350	6.540	2.460	0.750	0.389	0.010	
3	0.001	2.380	5.700	18.440	10.450	23.340	10.600	6.050	2.140	0.750	0.378	0.007	
4	0.001	2.220	5.000	58.960	9.340	22.400	12.010	5.700	1.935	0.710	0.378	0.006	
5	0.001	1.935	4.290	28.000	9.890	18.960	10.150	5.350	1.770	0.690	0.367	0.006	
6	0.001	1.674	9.010	19.220	11.840	17.170	9.120	5.140	1.706	0.670	0.356	0.005	
7	0.000	1.514	15.330	15.330	12.010	16.940	8.450	4.820	1.642	0.630	0.334	0.005	
8	0.000	1.482	15.560	13.390	10.300	16.710	7.910	4.580	1.578	0.630	0.323	0.004	
9	0.000	1.610	9.560	11.840	9.670	14.340	8.270	4.290	1.514	0.610	0.312	0.004	
10	0.000	1.578	8.360	18.700	8.900	12.180	8.540	4.070	1.425	0.590	0.290	0.004	
11	0.000	1.578	8.090	17.170	10.900	11.350	7.730	3.905	1.325	0.590	0.254	0.004	
12	0.000	2.420	11.200	20.600	18.180	10.600	7.100	3.795	1.250	0.590	0.218	0.004	
13	0.000	2.780	10.300	30.000	24.020	9.780	15.790	5.000	1.200	0.570	0.193	0.004	
14	0.000	3.020	11.200	26.060	20.000	8.900	14.150	4.460	1.125	0.570	0.186	0.004	
15	0.000	6.680	10.600	17.660	17.920	8.630	17.400	4.070	1.075	0.570	0.186	0.004	
16	0.000	9.890	11.670	14.150	21.500	9.450	11.840	3.685	1.075	0.550	0.137	0.003	
17	0.000	9.780	12.180	11.840	21.200	8.900	10.450	3.260	1.025	0.550	0.080	0.002	
18	0.000	7.640	10.900	11.670	19.480	45.831	13.770	2.980	0.975	0.550	0.090	0.001	
19	0.000	7.370	10.150	10.600	14.910	44.120	11.350	2.740	0.950	0.570	0.076	0.001	
20	0.000	7.730	14.530	11.200	12.860	31.720	9.780	2.540	0.950	0.550	0.080	0.001	
21	0.000	8.450	35.300	9.890	11.840	41.420	9.010	2.380	0.930	0.520	0.115	0.001	
22	0.000	9.120	24.700	9.230	14.910	36.300	8.630	2.260	0.910	0.490	0.125	0.001	
23	0.000	9.120	19.480	10.300	49.610	30.840	8.450	2.300	0.890	0.475	0.100	0.005	
24	0.000	8.540	30.400	11.500	30.000	23.000	8.090	2.180	0.890	0.460	0.072	0.003	
25	0.003	7.820	33.920	10.150	20.300	17.920	7.460	2.034	0.910	0.415	0.040	0.002	
26	0.034	6.330	26.060	10.000	16.250	31.280	6.890	1.935	0.910	0.400	0.038	0.001	
27	0.272	5.280	20.600	8.900	14.340	24.020	7.280	1.836	0.890	0.400	0.034	0.001	
28	0.445	5.000	19.220	10.450	18.440	17.170	7.100	1.803	0.850	0.389	0.024	0.001	
29	0.690	5.140	14.530	10.000	18.960	19.740	7.030	2.580	0.830	0.389		0.001	
30	0.890	4.880	12.690	9.230	15.790	14.910	7.280	3.100	0.790	0.389		0.001	
31		4.940		10.450	14.340		8.450		0.770	0.389		0.000	
TOTAL	2.338	151.250	431.440	492.990	511.830	614.511	304.120	112.663	39.710	17.156	5.564	0.110	2683.682 CMSDAY
MEAN	0.078	4.879	14.381	15.903	16.511	20.484	9.810	3.755	1.281	0.553	0.199	0.004	7.353 CMS
MAX	0.890	9.890	35.300	58.960	49.610	45.831	17.400	7.280	3.020	0.750	0.389	0.014	58.960 CMS
MIN	0.000	1.482	4.290	8.900	8.900	8.630	6.890	1.803	0.770	0.389	0.024	0.000	0.000 CMS
RUNOFF	0.202	13.068	37.276	42.594	44.222	53.094	26.276	9.734	3.431	1.482	0.481	0.010	231.870 MCM

MOMENTARY PEAK 82.82 CMS, AT 213.41 M (MSL), AT 16.00 HOURS, ON SEP 18, 1985

RUNOFF YIELD 15.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 171.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

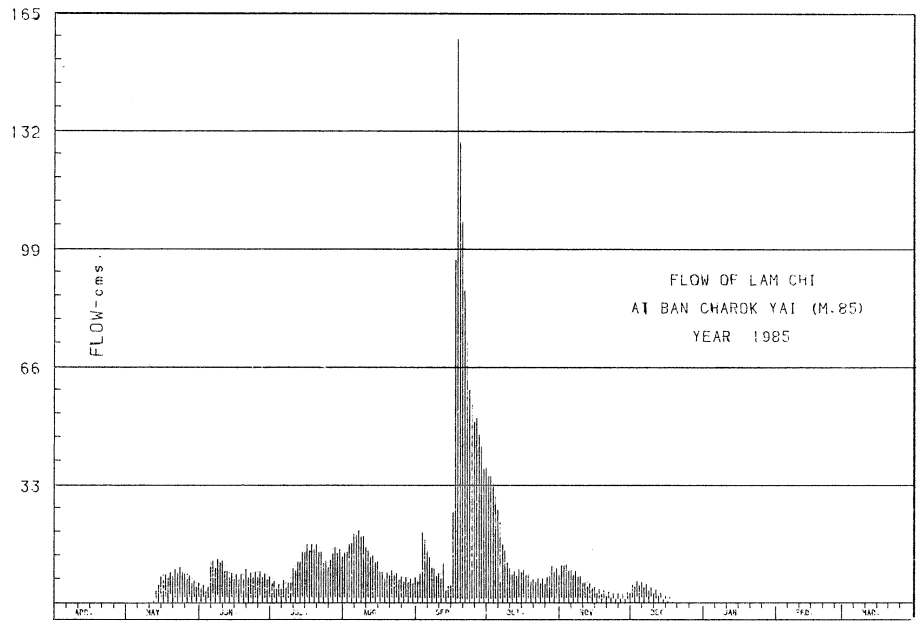
LAM CHI AT BAN CHAROK YAI, BURI RAM (M.85)

LOCATION	LAT. 14-37-54 N., LONG. 103-14-03 E., ON RIGHT BANK AT THE BRIDGE OF PRASAT-PRAKHONCHAI HIGHWAY NEAR GUIDEPOST 104 AT BAN CHAROK YAI, TAMBON LAVIA, AMPHOE PRAKHON CHAI, BURI RAM.
DRAINAGE AREA	1,046 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.546 M.(A.D.)
GAGE READING FREQUENCY	3-5 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 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 - 1971, 1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 - 1971, 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 - 1971, 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 14 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.60	1.61	2.36	2.50	2.92	2.54	3.16	1.84	1.38	0.79	0.54	0.57	
2	1.59	1.61	2.33	2.44	2.98	2.61	3.12	1.92	1.46	0.80	0.50	0.57	
3	1.58	1.61	2.30	2.37	3.01	2.46	3.07	1.86	1.48	0.79	0.47	0.57	
4	1.58	1.61	2.27	2.36	3.06	2.30	2.90	1.83	1.49	0.79	0.46	0.57	
5	1.57	1.60	2.80	2.36	3.10	2.16	2.78	1.75	1.45	0.79	0.42	0.57	
6	1.56	1.59	2.82	2.47	3.12	2.00	2.55	1.74	1.43	0.78	0.44	0.57	
7	1.56	1.59	2.79	2.40	3.12	1.88	2.28	1.73	1.39	0.76	0.44	0.57	
8	1.55	1.62	2.84	2.40	3.11	1.78	2.12	1.70	1.34	0.74	0.47	0.57	
9	1.54	1.63	2.86	2.52	3.08	1.72	1.97	1.62	1.30	0.73	0.47	0.57	
10	1.54	1.65	2.82	2.71	3.02	1.68	1.79	1.55	1.25	0.75	0.47	0.57	
11	1.53	1.67	2.74	2.74	2.94	1.67	1.75	1.45	1.22	0.74	0.50	0.57	
12	1.53	1.80	2.66	2.81	2.92	1.88	1.73	1.46	1.16	0.74	0.50	0.57	
13	1.52	2.14	2.63	2.87	2.89	1.33	1.72	1.42	1.08	0.74	0.50	0.57	
14	1.52	2.45	2.62	2.93	2.86	1.34	1.77	1.40	1.01	0.79	0.53	0.57	
15	1.51	2.55	2.60	2.98	2.81	1.49	1.80	1.31	0.95	0.79	0.54	0.58	
16	1.51	2.58	2.60	3.01	2.72	2.69	1.76	1.26	0.93	0.74	0.55	0.63	
17	1.53	2.59	2.60	3.00	2.64	3.79	1.74	1.23	0.91	0.75	0.56	0.67	
18	1.55	2.63	2.60	3.01	2.61	4.07	1.69	1.22	0.88	0.67	0.56	0.72	
19	1.57	2.63	2.59	3.01	2.63	3.95	1.58	1.18	0.84	0.60	0.54	0.73	
20	1.58	2.66	2.69	3.01	2.66	3.84	1.53	1.15	0.83	0.59	0.55	0.73	
21	1.58	2.69	2.63	2.98	2.67	3.74	1.59	1.13	0.81	0.57	0.55	0.73	
22	1.60	2.71	2.63	2.93	2.66	3.64	1.56	1.08	0.80	0.56	0.56	0.70	
23	1.62	2.72	2.63	2.85	2.62	3.54	1.55	1.06	0.78	0.60	0.57	0.69	
24	1.61	2.73	2.64	2.82	2.58	3.51	1.56	1.03	0.78	0.61	0.57	0.68	
25	1.61	2.61	2.64	2.80	2.55	3.45	1.53	1.06	0.78	0.64	0.57	0.68	
26	1.62	2.60	2.65	2.83	2.53	3.45	1.60	1.04	0.79	0.66	0.57	0.68	
27	1.62	2.57	2.64	2.96	2.53	3.41	1.71	1.03	0.79	0.60	0.57	0.67	
28	1.61	2.51	2.61	2.98	2.52	3.34	1.83	1.03	0.79	0.56	0.57	0.65	
29	1.61	2.45	2.59	2.97	2.50	3.22	1.80	1.10	0.81	0.58		0.63	
30	1.62	2.41	2.55	2.96	2.50	3.20	1.78	1.26	0.81	0.61		0.62	
31		2.40		2.93	2.53		1.74		0.80	0.62		0.62	
MEAN	1.57	2.20	2.62	2.77	2.79	2.72	1.97	1.38	1.05	0.69	0.52	0.63	
MAX	1.62	2.73	2.86	3.01	3.12	4.07	3.16	1.92	1.49	0.80	0.57	0.73	4.07
MIN	1.51	1.59	2.27	2.36	2.50	1.33	1.53	1.03	0.78	0.56	0.42	0.57	0.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.08 M (A.D), AT 7.00 HOURS, ON SEP 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -2.65 M (A.D)
LEFT BANK ELEVATION 5.42 M (A.D)
RIGHT BANK ELEVATION 5.40 M (A.D), DRAINAGE AREA 1046 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.05	5.20	6.75	14.00	7.25	36.55	10.40	5.05	0.96	0.18	0.24	
2	0.00	0.05	4.90	6.06	15.50	8.15	35.35	11.60	5.85	1.00	0.10	0.24	
3	0.00	0.05	4.60	5.30	16.32	20.70	33.99	10.70	6.05	0.96	0.07	0.24	
4	0.00	0.05	4.33	5.20	17.95	17.75	29.70	10.25	6.15	0.96	0.06	0.24	
5	0.00	0.00	11.30	5.20	19.25	15.32	27.10	9.15	5.75	0.96	0.02	0.24	
6	0.00	0.00	11.74	6.41	20.15	12.80	22.50	9.02	5.55	0.92	0.04	0.24	
7	0.00	0.00	11.12	5.60	20.15	11.00	17.40	8.89	5.15	0.84	0.04	0.24	
8	0.00	0.10	12.18	5.60	19.70	9.54	14.64	8.50	4.65	0.76	0.07	0.24	
9	0.00	0.15	12.62	7.00	18.60	8.76	12.35	7.50	4.25	0.72	0.07	0.24	
10	0.00	0.25	11.74	9.68	16.65	8.25	9.67	6.75	3.88	0.80	0.07	0.24	
11	0.00	0.35	10.22	10.22	14.50	8.12	9.15	5.75	3.65	0.76	0.10	0.24	
12	0.00	1.00	8.90	11.52	14.00	11.00	8.89	5.85	3.22	0.76	0.10	0.24	
13	0.00	3.22	8.45	12.84	13.28	4.55	8.76	5.45	2.66	0.76	0.10	0.24	
14	0.00	6.18	8.30	14.25	12.62	4.65	9.41	5.25	2.17	0.96	0.16	0.24	
15	0.00	7.38	8.00	15.50	11.52	6.15	9.80	4.35	1.80	0.96	0.18	0.26	
16	0.00	7.75	8.00	16.32	9.86	25.30	9.28	3.95	1.68	0.76	0.20	0.39	
17	0.00	7.88	8.00	16.00	8.60	96.80	9.02	3.73	1.56	0.80	0.22	0.51	
18	0.00	8.45	8.00	16.32	8.15	157.65	8.38	3.65	1.40	0.51	0.22	0.68	
19	0.00	8.45	7.88	16.32	8.45	129.50	7.05	3.36	1.20	0.30	0.18	0.72	
20	0.00	8.90	9.35	16.32	8.90	106.50	6.55	3.15	1.15	0.28	0.20	0.72	
21	0.00	9.35	8.45	15.50	9.05	88.30	7.15	3.01	1.05	0.24	0.20	0.72	
22	0.00	9.68	8.45	14.25	8.90	73.10	6.85	2.66	1.00	0.22	0.22	0.60	
23	0.10	9.86	8.45	12.40	8.30	60.60	6.75	2.52	0.92	0.30	0.24	0.57	
24	0.05	10.04	8.60	11.74	7.75	57.15	6.85	2.31	0.92	0.33	0.24	0.54	
25	0.05	8.15	8.60	11.30	7.38	51.63	6.55	2.52	0.92	0.42	0.24	0.54	
26	0.10	8.00	8.75	11.96	7.13	51.63	7.25	2.38	0.96	0.48	0.24	0.54	
27	0.10	7.63	8.60	15.00	7.13	48.13	8.63	2.31	0.96	0.30	0.24	0.51	
28	0.05	6.88	8.15	15.50	7.00	43.65	10.25	2.31	0.96	0.22	0.24	0.45	
29	0.05	6.18	7.88	15.25	6.75	38.45	9.80	2.80	1.05	0.26		0.39	
30	0.10	5.72	7.38	15.00	6.75	37.75	9.54	3.95	1.05	0.33		0.36	
31		5.60		14.25	7.13		9.02		1.00	0.36		0.36	
TOTAL	0.60	147.35	258.14	360.56	371.42	1220.13	414.18	164.02	83.61	19.19	4.24	12.22	3055.66 CMSDAY
MEAN	0.02	4.75	8.60	11.63	11.98	40.67	13.36	5.47	2.70	0.62	0.15	0.39	8.37 CMS
MAX	0.10	10.04	12.62	16.32	20.15	157.65	36.55	11.60	6.15	1.00	0.24	0.72	157.65 CMS
MIN	0.00	0.00	4.33	5.20	6.75	4.55	6.55	2.31	0.92	0.22	0.02	0.24	0.00 CMS
RUNOFF	0.052	12.731	22.303	31.152	32.091	105.419	35.785	14.171	7.224	1.658	0.366	1.056	264.009 MCM

MOMENTARY PEAK 160.10 CMS, AT 4.08 M (A.D), AT 7.00 HOURS, ON SEP 18, 1985

RUNOFF YIELD 8.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 153.06 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

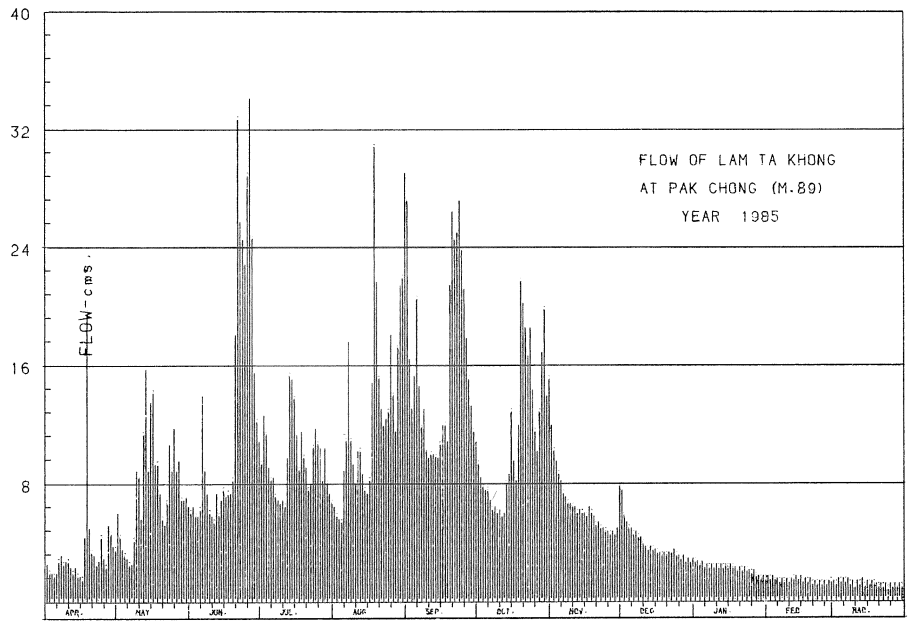
LAM TAKHONG AT PAK CHONG, NAKHON RATCHASIMA (M.89)

LOCATION	LAT. 14-41-46 N., LONG. 101-25-07 E., ON LEFT BANK AT THE BRIDGE INFRONT OF VACCINE SERUM OFFICE, AMPHOE PAK CHONG, NAKHON RATCHASIMA.
DRAINAGE AREA	673 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.909 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 FLOAT	-
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 32 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.24	1.41	1.42	1.57	1.43	2.34	1.57	1.68	1.48	1.26	1.20	1.18	
2	1.22	1.34	1.43	1.71	1.41	1.88	1.52	1.61	1.41	1.25	1.20	1.18	
3	1.21	1.29	1.41	1.66	1.39	1.74	1.50	1.57	1.38	1.25	1.20	1.19	
4	1.21	1.28	1.40	1.55	1.39	1.83	1.48	1.54	1.37	1.25	1.20	1.19	
5	1.21	1.26	1.43	1.52	1.54	2.06	1.49	1.51	1.36	1.24	1.19	1.19	
6	1.26	1.25	1.77	1.52	1.64	1.80	1.45	1.48	1.35	1.24	1.19	1.19	
7	1.27	1.24	1.55	1.47	1.93	1.68	1.43	1.46	1.35	1.24	1.19	1.19	
8	1.25	1.33	1.47	1.45	1.64	1.73	1.43	1.45	1.34	1.24	1.19	1.18	
9	1.25	1.54	1.42	1.45	1.56	1.61	1.42	1.44	1.33	1.24	1.19	1.18	
10	1.26	1.53	1.40	1.45	1.51	1.58	1.42	1.44	1.32	1.24	1.19	1.17	
11	1.23	1.39	1.39	1.44	1.60	1.60	1.41	1.43	1.30	1.24	1.19	1.18	
12	1.22	1.66	1.47	1.58	1.61	1.59	1.41	1.42	1.30	1.24	1.20	1.18	
13	1.23	1.85	1.41	1.84	1.53	1.59	1.51	1.42	1.30	1.24	1.20	1.19	
14	1.21	1.55	1.45	1.82	1.49	1.58	1.53	1.42	1.30	1.24	1.20	1.17	
15	1.20	1.75	1.49	1.77	1.47	1.63	1.73	1.41	1.29	1.24	1.20	1.18	
16	1.20	1.79	1.46	1.65	1.52	1.68	1.57	1.41	1.29	1.24	1.19	1.18	
17	1.33	1.56	1.48	1.55	1.81	1.69	1.52	1.43	1.28	1.24	1.19	1.18	
18	2.02	1.57	1.47	1.66	2.49	1.63	1.68	1.42	1.28	1.23	1.19	1.18	
19	1.36	1.47	1.52	1.59	2.10	2.10	2.11	1.40	1.28	1.23	1.19	1.17	
20	1.29	1.40	1.95	1.55	1.83	2.30	2.04	1.38	1.28	1.23	1.18	1.17	
21	1.27	1.37	2.57	1.49	1.73	2.23	1.98	1.38	1.28	1.23	1.18	1.17	
22	1.25	1.45	2.27	1.50	1.69	2.24	1.89	1.37	1.29	1.23	1.18	1.17	
23	1.25	1.62	2.23	1.62	1.70	2.34	1.98	1.36	1.29	1.23	1.18	1.17	
24	1.34	1.55	2.15	1.67	1.73	2.19	1.79	1.36	1.28	1.22	1.18	1.16	
25	1.26	1.67	2.41	1.63	1.95	2.09	1.67	1.35	1.27	1.22	1.18	1.17	
26	1.24	1.55	2.62	1.61	1.78	1.94	1.60	1.35	1.27	1.22	1.18	1.17	
27	1.37	1.57	2.23	1.52	1.66	1.83	1.73	1.35	1.27	1.21	1.18	1.17	
28	1.35	1.46	1.84	1.61	1.92	1.74	1.90	1.35	1.26	1.20	1.19	1.17	
29	1.30	1.45	1.70	1.51	2.09	1.67	2.03	1.36	1.26	1.20		1.17	
30	1.30	1.47	1.63	1.47	2.12	1.63	1.77	1.50	1.26	1.20		1.17	
31		1.43		1.45	2.41		1.83		1.26	1.20		1.16	
MEAN	1.29	1.49	1.71	1.58	1.73	1.85	1.66	1.43	1.31	1.23	1.19	1.18	
MAX	2.02	1.85	2.62	1.84	2.49	2.34	2.11	1.68	1.48	1.26	1.20	1.19	2.62
MIN	1.20	1.24	1.39	1.44	1.39	1.58	1.41	1.35	1.26	1.20	1.18	1.16	1.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.37 M (A.D), AT 4.00 HOURS, ON APR 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.35 M (A.D)
LEFT BANK ELEVATION 8.94 M (A.D)
RIGHT BANK ELEVATION 9.00 M (A.D), DRAINAGE AREA 673 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.55	6.02	6.24	9.54	6.46	27.40	9.54	11.96	7.56	2.95	1.75	1.40	
2	2.15	4.57	6.46	12.62	6.02	16.44	8.44	10.42	6.02	2.75	1.75	1.40	
3	1.95	3.55	6.02	11.52	5.60	13.28	8.00	9.54	5.39	2.75	1.75	1.58	
4	1.95	3.35	5.80	9.10	5.60	15.29	7.56	8.88	5.19	2.75	1.75	1.58	
5	1.95	2.95	6.46	8.44	8.88	20.72	7.78	8.22	4.98	2.55	1.58	1.58	
6	2.95	2.75	13.94	8.44	11.08	14.60	6.90	7.56	4.78	2.55	1.58	1.58	
7	3.15	2.55	9.10	7.34	17.62	11.96	6.46	7.12	4.78	2.55	1.58	1.58	
8	2.75	4.37	7.34	6.90	11.08	13.06	6.46	6.90	4.57	2.55	1.58	1.40	
9	2.75	8.88	6.24	6.90	9.32	10.42	6.24	6.68	4.37	2.55	1.58	1.40	
10	2.95	8.66	5.80	6.90	8.22	9.76	6.24	6.68	4.16	2.55	1.58	1.22	
11	2.35	5.60	5.60	6.68	10.20	10.20	6.02	6.46	3.75	2.55	1.58	1.40	
12	2.15	11.52	7.34	9.76	10.42	9.98	6.02	6.24	3.75	2.55	1.75	1.40	
13	2.35	15.75	6.02	15.52	8.66	9.98	8.22	6.24	3.75	2.55	1.75	1.58	
14	1.95	9.10	6.90	15.06	7.78	9.76	8.66	6.24	3.75	2.55	1.75	1.22	
15	1.75	13.50	7.78	13.94	7.34	10.86	13.06	6.02	3.55	2.55	1.75	1.40	
16	1.75	14.38	7.12	11.30	8.44	11.96	9.54	6.02	3.55	2.55	1.58	1.40	
17	4.37	9.32	7.56	9.10	14.83	12.18	8.44	6.46	3.35	2.55	1.58	1.40	
18	19.76	9.54	7.34	11.52	30.98	10.86	11.96	6.24	3.35	2.35	1.58	1.40	
19	4.98	7.34	8.44	9.98	21.67	21.67	21.91	5.80	3.35	2.35	1.58	1.22	
20	3.55	5.80	18.09	9.10	15.29	26.44	20.24	5.39	3.35	2.35	1.40	1.22	
21	3.15	5.19	32.88	7.78	13.06	24.77	18.81	5.39	3.35	2.35	1.40	1.22	
22	2.75	6.90	25.73	8.00	12.18	25.01	16.67	5.19	3.55	2.35	1.40	1.22	
23	2.75	10.64	24.77	10.64	12.40	27.40	18.81	4.98	3.55	2.35	1.40	1.22	
24	4.57	9.10	22.86	11.74	13.06	23.82	14.38	4.98	3.35	2.15	1.40	1.05	
25	2.95	11.74	29.07	10.86	18.09	21.43	11.74	4.78	3.15	2.15	1.40	1.22	
26	2.55	9.10	34.10	10.42	14.16	17.85	10.20	4.78	3.15	2.15	1.40	1.22	
27	5.19	9.54	24.77	8.44	11.52	15.29	13.06	4.78	3.15	1.95	1.40	1.22	
28	4.78	7.12	15.52	10.42	17.38	13.28	16.90	4.78	2.95	1.75	1.58	1.22	
29	3.75	6.90	12.40	8.22	21.43	11.74	20.00	4.98	2.95	1.75		1.22	
30	3.75	7.34	10.86	7.34	22.15	10.86	13.94	8.00	2.95	1.75		1.22	
31		6.46		6.90	29.07		15.29		2.95	1.75		1.05	
TOTAL	106.25	239.53	388.55	300.42	409.99	478.27	357.49	197.71	122.35	73.85	44.16	41.44	2760.01 CMSDAY
MEAN	3.54	7.73	12.95	9.69	13.23	15.94	11.53	6.59	3.95	2.38	1.58	1.34	7.56 CMS
MAX	19.76	15.75	34.10	15.52	30.98	27.40	21.91	11.96	7.56	2.95	1.75	1.58	34.10 CMS
MIN	1.75	2.55	5.60	6.68	5.60	9.76	6.02	4.78	2.95	1.75	1.40	1.05	1.05 CMS
RUNOFF	9.180	20.695	33.571	25.956	35.423	41.323	30.887	17.082	10.571	6.381	3.815	3.580	238.465 MCM

MOMENTARY PEAK 53.42 CMS, AT 3.37 M (A.D), AT 4.00 HOURS, ON APR 18, 1985

RUNOFF YIELD 11.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 79.38 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

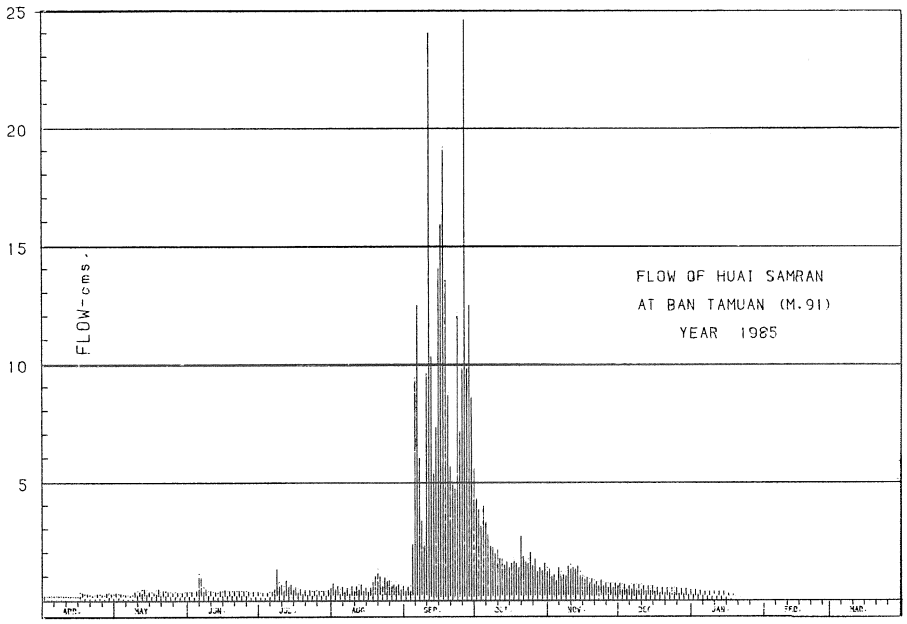
HUAI SAMRAN AT BAN TAMUAN, SI SA KET (M.91)

LOCATION	LAT. 14-29-48 N., LONG. 104-03-29 E., ON RIGHT BANK ABOUT 15 KILOMETERS FROM THE HIGHWAY AT BAN TAMUAN, TAMBON LALOM, AMPHOE KHUKHAN, SI SA KET.
DRAINAGE AREA	128 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 1.50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.051 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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 - 1978, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 - 1978, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 148 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	1.23	1.24	1.23	1.32	1.30	1.85	1.42	1.32	1.26	0.96	0.88	
2	1.20	1.22	1.24	1.23	1.31	1.29	1.78	1.40	1.31	1.26	0.96	0.87	
3	1.20	1.22	1.23	1.23	1.30	1.30	1.71	1.38	1.31	1.26	0.96	0.87	
4	1.20	1.21	1.25	1.23	1.27	1.58	1.80	1.37	1.31	1.25	0.95	0.86	
5	1.20	1.21	1.39	1.24	1.29	2.40	1.73	1.43	1.30	1.25	0.94	0.86	
6	1.20	1.21	1.36	1.24	1.29	2.69	1.64	1.40	1.31	1.24	0.94	0.86	
7	1.20	1.20	1.29	1.31	1.28	2.06	1.59	1.38	1.31	1.24	0.94	0.85	
8	1.20	1.21	1.27	1.42	1.27	1.72	1.56	1.40	1.31	1.24	0.93	0.85	
9	1.19	1.24	1.25	1.33	1.30	1.59	1.55	1.44	1.31	1.24	0.93	0.85	
10	1.19	1.25	1.25	1.31	1.30	2.42	1.55	1.45	1.31	1.24	0.92	0.85	
11	1.18	1.24	1.24	1.30	1.30	3.57	1.52	1.43	1.30	1.24	0.91	0.85	
12	1.18	1.27	1.24	1.34	1.31	2.49	1.49	1.45	1.30	1.24	0.90	0.85	
13	1.17	1.27	1.23	1.33	1.31	1.98	1.48	1.44	1.30	1.24	0.89	0.85	
14	1.17	1.26	1.25	1.31	1.30	2.19	1.47	1.40	1.30	1.24	0.89	0.85	
15	1.18	1.24	1.25	1.31	1.28	2.83	1.46	1.38	1.30	1.23	0.89	0.85	
16	1.24	1.24	1.26	1.29	1.29	2.97	1.46	1.38	1.29	1.22	0.90	0.85	
17	1.23	1.23	1.25	1.28	1.28	3.22	1.50	1.36	1.28	1.21	0.88	0.85	
18	1.22	1.26	1.25	1.27	1.36	2.78	1.46	1.35	1.28	1.21	0.88	0.83	
19	1.22	1.27	1.25	1.27	1.37	2.34	1.46	1.35	1.28	1.20	0.88	0.83	
20	1.21	1.25	1.25	1.26	1.42	2.00	1.63	1.34	1.28	1.17	0.89	0.82	
21	1.20	1.25	1.25	1.26	1.37	1.93	1.53	1.33	1.28	1.15	0.90	0.82	
22	1.21	1.25	1.25	1.26	1.33	1.89	1.47	1.33	1.28	1.12	0.90	0.81	
23	1.22	1.24	1.25	1.25	1.36	2.66	1.49	1.34	1.28	1.11	0.90	0.81	
24	1.22	1.24	1.25	1.25	1.37	2.17	1.53	1.33	1.28	1.08	0.89	0.81	
25	1.21	1.23	1.25	1.26	1.34	2.45	1.47	1.32	1.28	1.06	0.89	0.83	
26	1.21	1.24	1.24	1.25	1.33	3.60	1.49	1.32	1.27	1.04	0.89	0.86	
27	1.23	1.23	1.23	1.25	1.31	2.45	1.43	1.32	1.27	1.03	0.88	0.87	
28	1.23	1.23	1.24	1.25	1.33	2.69	1.43	1.32	1.27	1.01	0.88	0.97	
29	1.22	1.23	1.24	1.25	1.31	2.33	1.44	1.32	1.27	1.00		0.99	
30	1.22	1.24	1.24	1.26	1.31	1.99	1.46	1.33	1.26	0.98		1.00	
31		1.24		1.32	1.30		1.43		1.26	0.97		1.01	
MEAN	1.21	1.24	1.26	1.28	1.32	2.30	1.54	1.37	1.29	1.17	0.91	0.86	
MAX	1.24	1.27	1.39	1.42	1.42	3.60	1.85	1.45	1.32	1.26	0.96	1.01	3.60
MIN	1.17	1.20	1.23	1.23	1.27	1.29	1.43	1.32	1.26	0.97	0.88	0.81	0.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.84 M (A.D), AT 11.00 HOURS, ON SEP 26, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.57 M (A.D)
LEFT BANK ELEVATION 8.73 M (A.D)
RIGHT BANK ELEVATION 8.79 M (A.D), DRAINAGE AREA 128 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	0.32	0.36	0.32	0.72	0.60	4.40	1.32	0.72	0.44	0.05	0.02	
2	0.20	0.28	0.36	0.32	0.66	0.56	3.84	1.20	0.66	0.44	0.05	0.02	
3	0.20	0.28	0.32	0.32	0.60	0.60	3.28	1.08	0.66	0.44	0.05	0.02	
4	0.20	0.24	0.40	0.32	0.48	2.36	4.00	1.02	0.66	0.40	0.04	0.02	
5	0.20	0.24	1.14	0.36	0.56	9.40	3.44	1.38	0.60	0.40	0.04	0.02	
6	0.20	0.24	0.96	0.36	0.56	12.49	2.78	1.20	0.66	0.36	0.04	0.02	
7	0.20	0.20	0.56	0.66	0.52	6.16	2.43	1.08	0.66	0.36	0.04	0.02	
8	0.20	0.24	0.48	1.32	0.48	3.36	2.22	1.20	0.66	0.36	0.04	0.02	
9	0.19	0.36	0.40	0.78	0.60	2.43	2.15	1.44	0.66	0.36	0.04	0.02	
10	0.19	0.40	0.40	0.66	0.60	9.60	2.15	1.50	0.66	0.36	0.04	0.02	
11	0.18	0.36	0.36	0.60	0.60	24.15	1.94	1.38	0.60	0.36	0.03	0.02	
12	0.18	0.48	0.36	0.84	0.66	10.30	1.74	1.50	0.60	0.36	0.03	0.02	
13	0.17	0.48	0.32	0.78	0.66	5.48	1.68	1.44	0.60	0.36	0.03	0.02	
14	0.17	0.44	0.40	0.66	0.60	7.31	1.62	1.20	0.60	0.36	0.03	0.02	
15	0.18	0.36	0.40	0.66	0.52	14.16	1.56	1.08	0.60	0.32	0.03	0.02	
16	0.36	0.36	0.44	0.56	0.56	15.91	1.56	1.08	0.56	0.28	0.03	0.02	
17	0.32	0.32	0.40	0.52	0.52	19.18	1.80	0.96	0.52	0.24	0.02	0.02	
18	0.28	0.44	0.40	0.48	0.96	13.56	1.56	0.90	0.52	0.24	0.02	0.01	
19	0.28	0.48	0.40	0.48	1.02	8.80	1.56	0.90	0.52	0.20	0.02	0.01	
20	0.24	0.40	0.40	0.44	1.32	5.65	2.71	0.84	0.52	0.17	0.03	0.01	
21	0.20	0.40	0.40	0.44	1.02	5.05	2.01	0.78	0.52	0.14	0.03	0.01	
22	0.24	0.40	0.40	0.44	0.78	4.72	1.62	0.78	0.52	0.11	0.03	0.00	
23	0.28	0.36	0.40	0.40	0.96	12.16	1.74	0.84	0.52	0.10	0.03	0.00	
24	0.28	0.36	0.40	0.40	1.02	7.13	2.01	0.78	0.52	0.08	0.03	0.00	
25	0.24	0.32	0.40	0.44	0.84	9.90	1.62	0.72	0.52	0.08	0.03	0.01	
26	0.24	0.36	0.36	0.40	0.78	24.60	1.74	0.72	0.48	0.07	0.03	0.02	
27	0.32	0.32	0.32	0.40	0.66	9.90	1.38	0.72	0.48	0.07	0.02	0.02	
28	0.32	0.32	0.36	0.40	0.78	12.49	1.38	0.72	0.48	0.06	0.02	0.05	
29	0.28	0.32	0.36	0.40	0.66	8.70	1.44	0.72	0.48	0.06		0.06	
30	0.28	0.36	0.36	0.44	0.66	5.57	1.56	0.78	0.44	0.05		0.06	
31		0.36		0.72	0.60		1.38		0.44	0.05		0.06	
TOTAL	7.02	10.80	13.02	16.32	21.96	272.28	66.30	31.26	17.64	7.68	0.92	0.66	465.86 CMSDAY
MEAN	0.23	0.35	0.43	0.53	0.71	9.08	2.14	1.04	0.57	0.25	0.03	0.02	1.28 CMS
MAX	0.36	0.48	1.14	1.32	1.32	24.60	4.40	1.50	0.72	0.44	0.05	0.06	24.60 CMS
MIN	0.17	0.20	0.32	0.32	0.48	0.56	1.38	0.72	0.44	0.05	0.02	0.00	0.00 CMS
RUNOFF	0.607	0.933	1.125	1.410	1.897	23.525	5.728	2.701	1.524	0.664	0.079	0.057	40.250 MCM

MOMENTARY PEAK 28.20 CMS, AT 3.84 M (A.D), AT 11.00 HOURS, ON SEP 26, 1985

RUNOFF YIELD 9.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 220.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

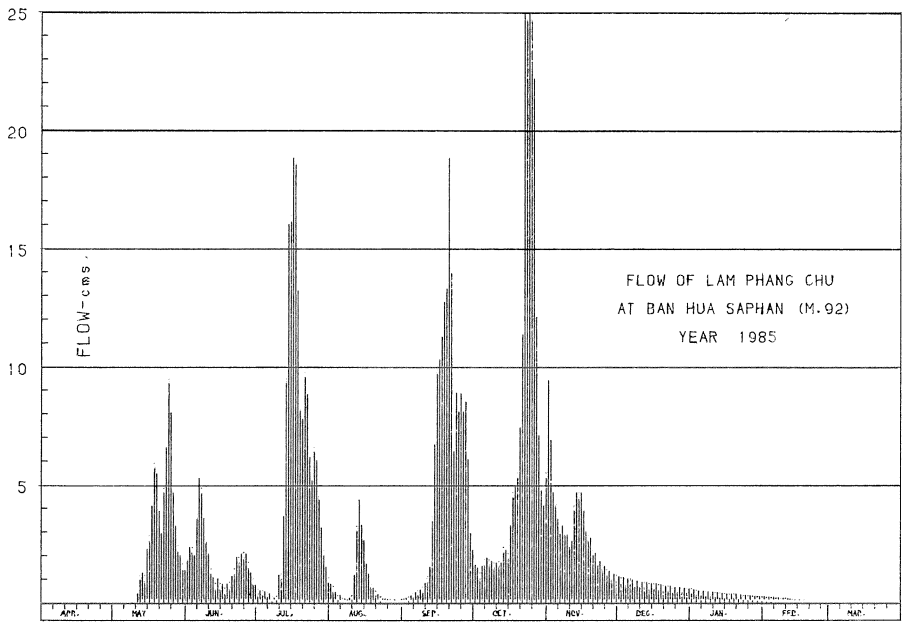
LAM PHANG CHU AT BAN HUA SAPHAN, BURI RAM (M.92)

LOCATION	LAT. 15-32-57 N., LONG. 103-04-20 E., ON RIGHT BANK EAST OF WAT THEP RANG SAN AT BAN HUA SAPHAN, AMPHOE PHUTTHAISONG, BURI RAM.
DRAINAGE AREA	1,094 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 80 METERS FROM THE GAGE SITE.
ELEVATION	+7.958 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 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 78 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.64	1.59	1.33	1.38	1.20	2.38	2.70	2.27	2.14	1.99	1.83	
2	0.57	0.64	1.64	1.31	1.36	1.21	2.33	2.63	2.26	2.13	1.98	1.82	
3	0.56	0.63	1.64	1.31	1.29	1.23	2.30	2.55	2.26	2.12	1.98	1.81	
4	0.59	0.63	1.59	1.30	1.25	1.24	2.34	2.54	2.25	2.11	1.97	1.81	
5	0.58	0.62	1.82	1.29	1.25	1.28	2.38	2.51	2.25	2.11	1.97	1.80	
6	0.58	0.62	1.98	1.27	1.21	1.29	2.39	2.50	2.25	2.11	1.96	1.79	
7	0.58	0.62	1.94	1.23	1.20	1.31	2.38	2.50	2.24	2.10	1.96	1.78	
8	0.57	0.62	1.80	1.21	1.17	1.32	2.37	2.49	2.23	2.10	1.95	1.77	
9	0.57	0.83	1.70	1.24	1.21	1.35	2.36	2.47	2.23	2.09	1.95	1.77	
10	0.56	1.04	1.60	1.46	1.25	1.39	2.36	2.45	2.23	2.09	1.95	1.76	
11	0.55	1.27	1.51	1.47	1.46	1.45	2.37	2.45	2.22	2.08	1.94	1.75	
12	0.54	1.46	1.44	1.81	1.76	1.52	2.36	2.53	2.22	2.08	1.93	1.74	
13	0.53	1.48	1.39	2.33	1.89	1.81	2.43	2.55	2.22	2.07	1.92	1.74	
14	0.53	1.46	1.43	2.74	1.79	2.11	2.42	2.55	2.21	2.06	1.91	1.74	
15	0.52	1.63	1.39	2.76	1.68	2.36	2.41	2.55	2.21	2.06	1.91	1.73	
16	0.52	1.71	1.38	2.89	1.57	2.39	2.50	2.53	2.21	2.05	1.90	1.73	
17	0.52	1.86	1.34	2.89	1.47	2.47	2.55	2.48	2.21	2.05	1.90	1.73	
18	0.52	2.04	1.38	2.58	1.40	2.55	2.56	2.47	2.20	2.05	1.90	1.73	
19	0.52	2.00	1.40	2.24	1.34	2.60	2.58	2.46	2.20	2.05	1.89	1.72	
20	0.51	1.86	1.45	2.20	1.31	2.89	2.64	2.42	2.19	2.05	1.89	1.72	
21	0.50	1.72	1.51	2.35	1.26	2.83	2.76	2.41	2.18	2.04	1.89	1.71	
22	0.50	1.94	1.58	2.28	1.23	2.61	3.10	2.38	2.18	2.03	1.88	1.70	
23	0.64	2.10	1.58	2.08	1.20	2.69	3.10	2.37	2.18	2.02	1.88	1.68	
24	0.64	2.33	1.60	1.97	1.20	2.66	3.19	2.35	2.17	2.02	1.87	1.67	
25	0.64	2.22	1.61	2.10	1.18	2.69	3.23	2.34	2.16	2.02	1.86	1.66	
26	0.63	1.94	1.60	2.05	1.18	2.66	3.03	2.32	2.16	2.02	1.85	1.66	
27	0.66	1.76	1.55	1.91	1.17	2.68	2.78	2.31	2.16	2.01	1.84	1.65	
28	0.65	1.65	1.48	1.75	1.17	2.60	2.63	2.29	2.16	2.00	1.83	1.65	
29	0.65	1.59	1.43	1.62	1.14	2.49	2.56	2.29	2.15	2.00		1.64	
30	0.65	1.54	1.37	1.52	1.18	2.42	2.53	2.28	2.15	1.99		1.64	
31		1.50		1.44	1.19		2.58		2.14	1.99		1.63	
MEAN	0.57	1.42	1.56	1.87	1.33	2.04	2.58	2.46	2.20	2.06	1.92	1.73	
MAX	0.66	2.33	1.98	2.89	1.89	2.89	3.23	2.70	2.27	2.14	1.99	1.83	3.23
MIN	0.50	0.62	1.34	1.21	1.14	1.20	2.30	2.28	2.14	1.99	1.83	1.63	0.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.25 M (A.D), AT 6.00 HOURS, ON OCT 25, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.93 M (A.D)
LEFT BANK ELEVATION 3.58 M (A.D)
RIGHT BANK ELEVATION 5.33 M (A.D), DRAINAGE AREA 1094 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	2.03	0.62	0.82	0.20	1.86	9.45	1.15	0.62	0.29	0.09	
2	0.00	0.00	2.38	0.54	0.74	0.23	1.51	7.11	1.10	0.59	0.27	0.08	
3	0.00	0.00	2.38	0.54	0.47	0.29	1.30	4.70	1.10	0.56	0.27	0.07	
4	0.00	0.00	2.03	0.50	0.35	0.32	1.58	4.42	1.05	0.53	0.26	0.07	
5	0.00	0.00	3.78	0.47	0.35	0.44	1.86	3.58	1.05	0.53	0.26	0.06	
6	0.00	0.00	5.30	0.41	0.23	0.47	1.93	3.30	1.05	0.53	0.24	0.06	
7	0.00	0.00	4.89	0.29	0.20	0.54	1.86	3.30	1.00	0.50	0.24	0.05	
8	0.00	0.00	3.60	0.23	0.16	0.58	1.79	3.17	0.95	0.50	0.23	0.05	
9	0.00	0.00	2.80	0.32	0.23	0.70	1.72	2.91	0.95	0.48	0.23	0.05	
10	0.00	0.04	2.10	1.20	0.35	0.86	1.72	2.65	0.95	0.48	0.23	0.04	
11	0.00	0.41	1.47	1.25	1.20	1.15	1.79	2.65	0.90	0.46	0.21	0.04	
12	0.00	1.20	1.10	3.69	3.28	1.54	1.72	4.14	0.90	0.46	0.19	0.04	
13	0.00	1.30	0.86	9.50	4.39	3.69	2.39	4.70	0.90	0.44	0.18	0.04	
14	0.00	1.20	1.05	16.04	3.52	6.72	2.26	4.70	0.85	0.42	0.16	0.04	
15	0.00	2.31	0.86	16.41	2.66	9.91	2.13	4.70	0.85	0.42	0.16	0.03	
16	0.00	2.88	0.82	18.86	1.89	10.32	3.30	4.14	0.85	0.40	0.15	0.03	
17	0.00	4.13	0.66	18.86	1.25	11.50	4.70	3.04	0.85	0.40	0.15	0.03	
18	0.00	5.94	0.82	13.23	0.90	12.75	4.98	2.91	0.80	0.40	0.15	0.03	
19	0.00	5.50	0.90	8.32	0.66	13.55	5.54	2.78	0.80	0.40	0.14	0.03	
20	0.00	4.13	1.15	7.80	0.54	18.86	7.44	2.26	0.77	0.40	0.14	0.03	
21	0.00	2.96	1.47	9.77	0.38	14.17	11.58	2.13	0.74	0.38	0.14	0.02	
22	0.00	4.89	1.96	8.84	0.29	6.43	25.10	1.86	0.74	0.36	0.13	0.02	
23	0.00	6.60	1.96	6.38	0.20	9.12	25.10	1.79	0.74	0.34	0.13	0.02	
24	0.00	9.50	2.10	5.19	0.20	8.11	28.97	1.65	0.71	0.34	0.12	0.01	
25	0.00	8.06	2.17	6.60	0.18	9.12	30.75	1.58	0.68	0.34	0.11	0.01	
26	0.00	4.89	2.10	6.05	0.18	8.11	22.23	1.44	0.68	0.34	0.11	0.01	
27	0.00	3.28	1.75	4.58	0.16	8.78	12.29	1.37	0.68	0.32	0.10	0.01	
28	0.00	2.45	1.30	3.20	0.16	6.10	7.11	1.25	0.68	0.30	0.09	0.01	
29	0.00	2.03	1.05	2.24	0.13	3.17	4.98	1.25	0.65	0.30		0.01	
30	0.00	1.68	0.78	1.54	0.18	2.26	4.14	1.20	0.65	0.29		0.01	
31		1.40		1.10	0.19		5.54		0.62	0.29		0.01	
TOTAL	0.00	76.78	57.62	174.57	26.44	169.99	231.17	96.13	26.39	13.12	5.08	1.10	878.39 CMSDAY
MEAN	0.00	2.48	1.92	5.63	0.85	5.67	7.46	3.20	0.85	0.42	0.18	0.04	2.41 CMS
MAX	0.00	9.50	5.30	18.86	4.39	18.86	30.75	9.45	1.15	0.62	0.29	0.09	30.75 CMS
MIN	0.00	0.00	0.66	0.23	0.13	0.20	1.30	1.20	0.62	0.29	0.09	0.01	0.00 CMS
RUNOFF	0.000	6.634	4.978	15.083	2.284	14.687	19.973	8.306	2.280	1.134	0.439	0.095	75.893 MCM

MOMENTARY PEAK 31.65 CMS, AT 3.25 M (A.D), AT 6.00 HOURS, ON OCT 25, 1985

RUNOFF YIELD 2.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 28.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

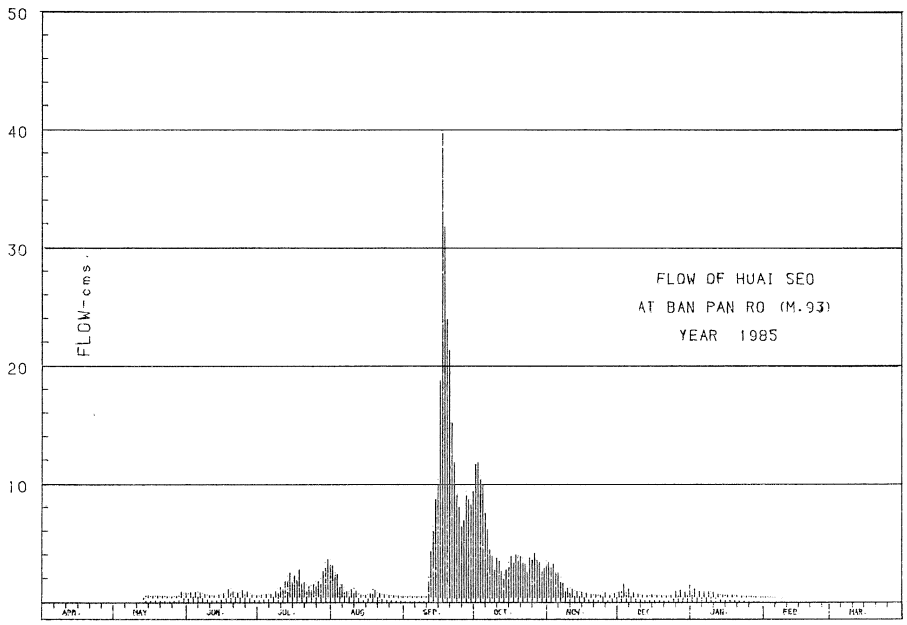
HUAI SEO AT BAN PAN RO, BURI RAM (M.93)

LOCATION	LAT. 14-28-24 N., LONG. 103-06-20 E., ON RIGHT BANK ABOUT 100 METERS FROM PRAKHON CHAI-SURIN HIGHWAY AT BAN PAN RO, AMPHOE BAN KRUAT, BURI RAM.
DRAINAGE AREA	329 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+4.571 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 11 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	0.85	1.55	1.49	1.81	1.42	2.38	1.83	1.58	1.66	1.36	1.11	
2	0.80	0.85	1.57	1.51	1.78	1.41	2.37	1.83	1.65	1.62	1.35	1.10	
3	0.79	0.84	1.60	1.52	1.75	1.43	2.31	1.82	1.67	1.58	1.34	1.08	
4	0.78	0.83	1.58	1.53	1.69	1.42	2.26	1.80	1.64	1.59	1.33	1.07	
5	0.77	0.83	1.59	1.53	1.67	1.41	2.14	1.76	1.62	1.58	1.32	1.06	
6	0.77	0.82	1.57	1.53	1.64	1.41	2.03	1.73	1.59	1.58	1.31	1.06	
7	0.75	0.81	1.56	1.58	1.59	1.40	1.94	1.68	1.56	1.59	1.29	1.05	
8	0.75	0.82	1.53	1.59	1.59	1.42	1.87	1.65	1.54	1.58	1.28	1.05	
9	0.74	0.82	1.52	1.63	1.62	1.41	1.81	1.63	1.53	1.58	1.27	1.04	
10	0.75	0.81	1.50	1.64	1.63	1.42	1.86	1.63	1.51	1.57	1.26	1.03	
11	0.73	0.81	1.49	1.67	1.60	1.73	1.87	1.62	1.50	1.55	1.25	1.03	
12	0.72	0.97	1.48	1.70	1.55	1.90	1.77	1.60	1.48	1.52	1.25	1.02	
13	0.72	1.32	1.47	1.74	1.51	2.05	1.75	1.59	1.46	1.51	1.24	1.02	
14	0.71	1.47	1.51	1.76	1.49	2.19	1.78	1.59	1.46	1.50	1.23	1.01	
15	0.70	1.50	1.52	1.75	1.49	2.29	1.83	1.57	1.51	1.50	1.23	1.00	
16	0.72	1.46	1.55	1.74	1.53	2.74	1.87	1.56	1.49	1.50	1.22	0.98	
17	0.78	1.47	1.56	1.76	1.54	3.40	1.86	1.55	1.48	1.50	1.21	0.96	
18	0.79	1.49	1.62	1.78	1.62	3.22	1.88	1.52	1.48	1.50	1.20	0.95	
19	0.79	1.47	1.63	1.72	1.61	2.98	1.87	1.52	1.47	1.49	1.19	0.94	
20	0.79	1.46	1.59	1.69	1.57	2.86	1.87	1.51	1.46	1.47	1.18	0.93	
21	0.78	1.47	1.58	1.67	1.55	2.57	1.86	1.51	1.45	1.45	1.17	0.92	
22	0.79	1.45	1.56	1.65	1.53	2.37	1.82	1.50	1.44	1.44	1.16	0.91	
23	0.78	1.42	1.58	1.66	1.52	2.23	1.80	1.50	1.49	1.43	1.16	0.90	
24	0.78	1.41	1.61	1.67	1.51	2.15	1.86	1.59	1.53	1.43	1.15	0.88	
25	0.77	1.42	1.62	1.70	1.50	2.07	1.88	1.56	1.59	1.42	1.14	0.87	
26	0.77	1.45	1.59	1.70	1.49	2.08	1.89	1.46	1.61	1.41	1.13	0.87	
27	0.76	1.45	1.55	1.72	1.48	2.23	1.88	1.50	1.61	1.39	1.12	0.86	
28	0.75	1.49	1.51	1.77	1.45	2.19	1.83	1.54	1.58	1.39	1.12	0.85	
29	0.74	1.59	1.51	1.83	1.45	2.19	1.80	1.54	1.58	1.38		0.84	
30	0.78	1.56	1.50	1.85	1.43	2.23	1.79	1.57	1.61	1.37		0.84	
31		1.56		1.85	1.43		1.84		1.66	1.36		0.82	
MEAN	0.76	1.22	1.55	1.68	1.57	2.06	1.92	1.61	1.54	1.50	1.23	0.97	
MAX	0.80	1.59	1.63	1.85	1.81	3.40	2.38	1.83	1.67	1.66	1.36	1.11	3.40
MIN	0.70	0.81	1.47	1.49	1.43	1.40	1.75	1.46	1.44	1.36	1.12	0.82	0.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.42 M (A.D), AT 14.00 HOURS, ON SEP 17, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.90 M (A.D)
LEFT BANK ELEVATION 3.18 M (A.D)
RIGHT BANK ELEVATION 3.59 M (A.D), DRAINAGE AREA 329 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.06	0.77	0.59	3.13	0.51	12.04	3.39	0.88	1.46	0.45	0.20	
2	0.04	0.06	0.85	0.64	2.76	0.50	11.86	3.39	1.37	1.12	0.44	0.19	
3	0.04	0.06	0.95	0.67	2.40	0.52	10.78	3.26	1.54	0.88	0.43	0.18	
4	0.03	0.05	0.88	0.70	1.72	0.51	9.92	3.00	1.29	0.92	0.42	0.17	
5	0.03	0.05	0.92	0.70	1.54	0.50	7.91	2.52	1.12	0.88	0.41	0.16	
6	0.03	0.05	0.85	0.70	1.29	0.50	6.17	2.16	0.92	0.88	0.40	0.16	
7	0.02	0.04	0.81	0.88	0.92	0.49	4.86	1.63	0.81	0.92	0.38	0.15	
8	0.02	0.05	0.70	0.92	0.92	0.51	3.91	1.37	0.74	0.88	0.37	0.15	
9	0.02	0.05	0.67	1.20	1.12	0.50	3.13	1.20	0.70	0.88	0.36	0.15	
10	0.02	0.04	0.60	1.29	1.20	0.51	3.78	1.20	0.64	0.85	0.35	0.14	
11	0.01	0.04	0.59	1.54	0.95	2.16	3.91	1.12	0.60	0.77	0.34	0.14	
12	0.01	0.11	0.58	1.80	0.77	4.30	2.64	0.95	0.58	0.67	0.34	0.13	
13	0.01	0.41	0.57	2.28	0.64	6.48	2.40	0.92	0.56	0.64	0.33	0.13	
14	0.00	0.57	0.64	2.52	0.59	8.74	2.76	0.92	0.56	0.60	0.32	0.13	
15	0.00	0.60	0.67	2.40	0.59	10.43	3.39	0.85	0.64	0.60	0.32	0.12	
16	0.01	0.56	0.77	2.28	0.70	18.80	3.91	0.81	0.59	0.60	0.31	0.11	
17	0.03	0.57	0.81	2.52	0.74	40.00	3.78	0.77	0.58	0.60	0.30	0.10	
18	0.04	0.59	1.12	2.76	1.12	31.80	4.04	0.67	0.58	0.60	0.29	0.10	
19	0.04	0.57	1.20	2.04	1.03	24.30	3.91	0.67	0.57	0.59	0.28	0.10	
20	0.04	0.56	0.92	1.72	0.85	21.38	3.91	0.64	0.56	0.57	0.27	0.09	
21	0.03	0.57	0.88	1.54	0.77	15.53	3.78	0.64	0.55	0.55	0.26	0.09	
22	0.04	0.55	0.81	1.37	0.70	11.86	3.26	0.60	0.53	0.53	0.25	0.08	
23	0.03	0.51	0.88	1.46	0.67	9.41	3.00	0.60	0.59	0.52	0.25	0.08	
24	0.03	0.50	1.03	1.54	0.64	8.08	3.78	0.92	0.70	0.52	0.24	0.07	
25	0.03	0.51	1.12	1.80	0.60	6.79	4.04	0.81	0.92	0.51	0.23	0.07	
26	0.03	0.55	0.92	1.80	0.59	6.94	4.17	0.56	1.03	0.50	0.22	0.07	
27	0.02	0.55	0.77	2.04	0.58	9.41	4.04	0.60	1.03	0.48	0.21	0.06	
28	0.02	0.59	0.64	2.64	0.55	8.74	3.39	0.74	0.88	0.48	0.21	0.06	
29	0.02	0.92	0.64	3.39	0.55	8.74	3.00	0.74	0.88	0.47		0.06	
30	0.03	0.81	0.60	3.65	0.52	9.41	2.88	0.85	1.03	0.46		0.06	
31		0.81		3.65	0.52		3.52		1.46	0.45		0.05	
TOTAL	0.76	11.96	24.16	55.03	31.67	268.35	147.87	38.50	25.43	21.38	8.98	3.55	637.64 CMSDAY
MEAN	0.03	0.39	0.81	1.78	1.02	8.95	4.77	1.28	0.82	0.69	0.32	0.11	1.75 CMS
MAX	0.04	0.92	1.20	3.65	3.13	40.00	12.04	3.39	1.54	1.46	0.45	0.20	40.00 CMS
MIN	0.00	0.04	0.57	0.59	0.52	0.49	2.40	0.56	0.53	0.45	0.21	0.05	0.00 CMS
RUNOFF	0.066	1.033	2.087	4.755	2.736	23.185	12.776	3.326	2.197	1.847	0.776	0.307	55.092 MCM

MOMENTARY PEAK 41.30 CMS, AT 3.42 M (A.D), AT 14.00 HOURS, ON SEP 17, 1985

RUNOFF YIELD 5.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 125.53 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

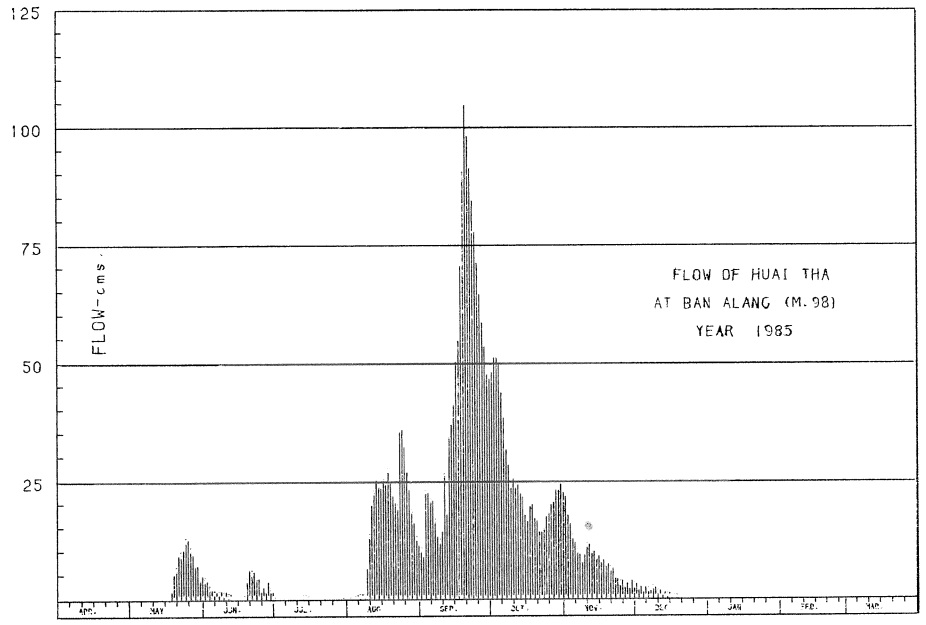
HUAI THA AT BAN ALANG, SI SA KET (M.98)

LOCATION	LAT. 14-52-39 N., LONG. 104-26-16 E., ON LEFT BANK AT THE BRIDGE OF SI SA KET-KANTHARALAK HIGHWAY NEAR GUIDEPOST 27+734, TAMBON TAM YAE, AMPHOE MUANG, SI SA KET.
DRAINAGE AREA	1,092 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.061 M.(A.D.)
GAGE READING FREQUENCY	3- 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 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 - 1981.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 105 DISCHARGE MEASUREMENTS MADE DURING 1979 -1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.17	1.17	0.45	0.41	1.79	4.29	2.58	0.98	0.37	0.21	0.18	
2	0.15	0.15	1.08	0.41	0.39	1.58	4.42	2.37	0.93	0.36	0.21	0.18	
3	0.15	0.14	0.95	0.38	0.43	2.67	4.47	2.19	0.88	0.36	0.21	0.18	
4	0.15	0.13	0.78	0.34	0.47	2.63	4.35	2.04	0.87	0.35	0.21	0.18	
5	0.15	0.13	0.77	0.38	0.56	2.55	4.04	1.89	0.86	0.34	0.20	0.18	
6	0.15	0.13	0.69	0.41	0.62	2.52	3.69	1.76	0.86	0.34	0.20	0.18	
7	0.15	0.13	0.76	0.41	0.61	2.26	3.29	1.64	0.71	0.34	0.19	0.18	
8	0.15	0.15	0.74	0.36	0.62	2.01	3.02	1.56	0.95	0.33	0.19	0.18	
9	0.15	0.19	0.71	0.42	1.34	1.97	2.75	1.62	0.85	0.33	0.19	0.18	
10	0.15	0.16	0.72	0.41	2.05	2.08	2.83	1.88	0.80	0.33	0.19	0.18	
11	0.15	0.14	0.66	0.38	2.45	2.90	2.76	1.85	0.74	0.32	0.19	0.18	
12	0.15	0.14	0.63	0.50	2.67	2.32	2.74	1.76	0.72	0.29	0.19	0.18	
13	0.14	0.16	0.52	0.58	2.81	3.45	2.68	1.70	0.65	0.29	0.19	0.18	
14	0.14	0.17	0.38	0.58	2.78	3.59	2.57	1.64	0.65	0.28	0.19	0.18	
15	0.16	0.16	0.43	0.52	2.69	3.89	2.37	1.60	0.63	0.28	0.19	0.17	
16	0.14	0.15	0.47	0.42	2.86	4.37	2.22	1.57	0.60	0.27	0.19	0.17	
17	0.15	0.15	0.49	0.40	2.74	4.67	2.49	1.52	0.57	0.27	0.19	0.17	
18	0.15	0.78	0.57	0.46	2.98	5.42	2.46	1.49	0.55	0.27	0.19	0.17	
19	0.14	1.22	1.15	0.47	2.77	6.15	2.33	1.44	0.53	0.26	0.19	0.17	
20	0.13	1.39	1.32	0.51	2.65	6.47	2.23	1.39	0.51	0.25	0.19	0.17	
21	0.13	1.62	1.32	0.48	2.49	6.34	2.14	1.34	0.51	0.24	0.19	0.17	
22	0.13	1.71	1.28	0.36	2.47	6.15	2.07	1.24	0.50	0.23	0.18	0.17	
23	0.15	1.74	1.23	0.34	3.49	5.97	2.18	1.12	0.49	0.23	0.18	0.17	
24	0.22	2.00	1.14	0.36	3.59	5.71	2.29	1.08	0.49	0.23	0.18	0.17	
25	0.16	1.96	0.91	0.28	3.28	5.48	2.40	1.08	0.48	0.23	0.18	0.17	
26	0.14	1.80	0.88	0.28	2.98	5.15	2.46	1.03	0.43	0.23	0.18	0.17	
27	0.14	1.64	0.88	0.31	2.67	4.89	2.56	1.00	0.41	0.22	0.18	0.17	
28	0.15	1.50	1.06	0.30	2.40	4.55	2.67	1.00	0.40	0.21	0.18	0.17	
29	0.14	1.41	0.88	0.30	2.20	4.26	2.73	1.08	0.39	0.23		0.17	
30	0.15	1.18	0.69	0.39	2.02	4.16	2.75	1.02	0.38	0.22		0.17	
31		1.19		0.35	1.82		2.70		0.37	0.21		0.16	
MEAN	0.15	0.76	0.84	0.40	2.07	3.93	2.87	1.55	0.64	0.28	0.19	0.17	
MAX	0.22	2.00	1.32	0.58	3.59	6.47	4.47	2.58	0.98	0.37	0.21	0.18	6.47
MIN	0.13	0.13	0.38	0.28	0.39	1.58	2.07	1.00	0.37	0.21	0.18	0.16	0.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.48 M (A.D), AT 12.00 HOURS, ON SEP 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.12 M (A.D)
LEFT BANK ELEVATION 8.65 M (A.D)
RIGHT BANK ELEVATION 8.61 M (A.D), DRAINAGE AREA 1092 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.07	4.70	0.50	0.42	10.90	48.83	21.70	3.08	0.34	0.11	0.08	
2	0.05	0.05	3.84	0.42	0.38	8.80	51.10	18.55	2.78	0.32	0.11	0.08	
3	0.05	0.04	2.90	0.36	0.46	23.05	51.97	15.85	2.48	0.32	0.11	0.08	
4	0.05	0.03	1.90	0.28	0.54	22.45	49.87	13.60	2.42	0.30	0.11	0.08	
5	0.05	0.03	1.85	0.36	0.84	21.25	44.45	11.90	2.36	0.28	0.10	0.08	
6	0.05	0.03	1.45	0.42	1.10	20.80	38.35	10.60	2.36	0.28	0.10	0.08	
7	0.05	0.03	1.80	0.42	1.05	16.90	32.35	9.40	1.55	0.28	0.09	0.08	
8	0.05	0.05	1.70	0.32	1.10	13.15	28.30	8.60	2.90	0.26	0.09	0.08	
9	0.05	0.09	1.55	0.44	6.40	12.70	24.25	9.20	2.30	0.26	0.09	0.08	
10	0.05	0.06	1.60	0.42	13.75	14.20	25.45	11.80	2.00	0.26	0.09	0.08	
11	0.05	0.04	1.30	0.36	19.75	26.50	24.40	11.50	1.70	0.24	0.09	0.08	
12	0.05	0.04	1.15	0.60	23.05	17.80	24.10	10.60	1.60	0.19	0.09	0.08	
13	0.04	0.06	0.68	0.92	25.15	34.75	23.20	10.00	1.25	0.19	0.09	0.08	
14	0.04	0.07	0.36	0.92	24.70	36.85	21.55	9.40	1.25	0.18	0.09	0.08	
15	0.06	0.06	0.46	0.68	23.35	41.83	18.55	9.00	1.15	0.18	0.09	0.07	
16	0.04	0.05	0.54	0.44	25.90	50.22	16.30	8.70	1.00	0.17	0.09	0.07	
17	0.05	0.05	0.58	0.40	24.10	55.48	20.35	8.20	0.88	0.17	0.09	0.07	
18	0.05	1.90	0.88	0.52	27.70	70.50	19.90	7.90	0.80	0.17	0.09	0.07	
19	0.04	5.20	4.50	0.54	24.55	91.25	17.95	7.40	0.72	0.16	0.09	0.07	
20	0.03	6.90	6.20	0.64	22.75	104.65	16.45	6.90	0.64	0.15	0.09	0.07	
21	0.03	9.20	6.20	0.56	20.35	98.80	15.10	6.40	0.64	0.14	0.09	0.07	
22	0.03	10.10	5.80	0.32	20.05	91.25	14.05	5.40	0.60	0.13	0.08	0.07	
23	0.05	10.40	5.30	0.28	35.35	85.10	15.70	4.20	0.58	0.13	0.08	0.07	
24	0.12	13.00	4.40	0.32	36.85	77.75	17.35	3.84	0.58	0.13	0.08	0.07	
25	0.06	12.60	2.66	0.18	32.20	72.00	19.00	3.84	0.56	0.13	0.08	0.07	
26	0.04	11.00	2.48	0.18	27.70	64.50	19.90	3.44	0.46	0.13	0.08	0.07	
27	0.04	9.40	2.48	0.22	23.05	59.32	21.40	3.20	0.42	0.12	0.08	0.07	
28	0.05	8.00	3.68	0.20	19.00	53.38	23.05	3.20	0.40	0.11	0.08	0.07	
29	0.04	7.10	2.48	0.20	16.00	48.30	23.95	3.84	0.38	0.13		0.07	
30	0.05	4.80	1.45	0.38	13.30	46.55	24.25	3.36	0.36	0.12		0.07	
31		4.90		0.30	11.20		23.50		0.34	0.11		0.06	
TOTAL	1.46	115.35	76.87	13.10	522.09	1390.98	814.92	261.52	40.54	6.08	2.55	2.30	3247.76 CMSDAY
MEAN	0.05	3.72	2.56	0.42	16.84	46.37	26.29	8.72	1.31	0.20	0.09	0.07	8.90 CMS
MAX	0.12	13.00	6.20	0.92	36.85	104.65	51.97	21.70	3.08	0.34	0.11	0.08	104.65 CMS
MIN	0.03	0.03	0.36	0.18	0.38	8.80	14.05	3.20	0.34	0.11	0.08	0.06	0.03 CMS
RUNOFF	0.126	9.966	6.642	1.132	45.109	120.181	70.409	22.595	3.503	0.525	0.220	0.199	280.607 MCM

MOMENTARY PEAK 105.10 CMS, AT 6.48 M (A.D), AT 12.00 HOURS, ON SEP 20, 1985

RUNOFF YIELD 8.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 96.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

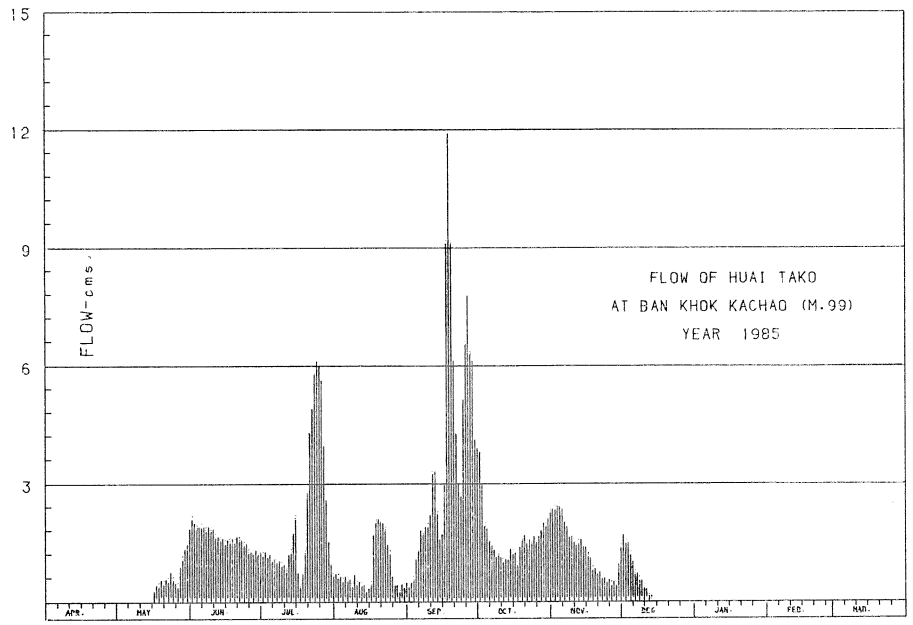
HUAI TAKO AT BAN KHOK KACHAO, BURIRAM (M.99)

LOCATION	LAT. 14-36-22 N., LONG. 103-06-30 E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 103-104 AND ABOUT 2.5 KILOMETERS FROM AMPHOE PRAKHON CHAI, BAN KHOK KACHAO, AMPHOE PRAKHON CHAI, BURI RAM.
DRAINAGE AREA	88 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M. OF HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.606 M..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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW EFFECTED BY LAM CHI NOI DAM. STAGE-DISCHARGE RELATION DEFINED BY 13 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.04	0.33	1.37	1.15	0.96	0.85	1.55	1.40	1.26	0.53	0.50	0.21	
2	-0.04	0.32	1.33	1.15	0.96	0.85	1.48	1.41	1.23	0.55	0.50	0.20	
3	-0.04	0.32	1.32	1.14	0.93	0.93	1.33	1.41	1.21	0.55	0.50	0.19	
4	-0.04	0.31	1.31	1.13	0.92	1.09	1.30	1.42	1.15	0.54	0.50	0.19	
5	-0.04	0.30	1.33	1.11	0.93	1.18	1.24	1.40	1.07	0.53	0.49	0.17	
6	-0.04	0.27	1.31	1.10	0.93	1.29	1.19	1.35	0.99	0.51	0.49	0.15	
7	-0.04	0.28	1.31	1.10	0.90	1.29	1.19	1.31	0.96	0.51	0.48	0.13	
8	-0.04	0.30	1.31	1.08	0.85	1.31	1.11	1.27	0.93	0.51	0.47	0.11	
9	-0.04	0.30	1.31	1.07	0.95	1.33	1.15	1.25	0.88	0.51	0.46	0.09	
10	-0.04	0.31	1.30	1.05	0.88	1.37	1.11	1.24	0.83	0.51	0.44	0.07	
11	-0.04	0.35	1.27	1.02	0.87	1.51	1.10	1.19	0.76	0.51	0.44	0.05	
12	-0.04	0.51	1.25	1.13	0.86	1.51	1.09	1.23	0.73	0.51	0.43	0.04	
13	-0.04	0.50	1.25	1.17	0.82	1.39	1.12	1.23	0.66	0.51	0.42	0.02	
14	-0.04	0.49	1.24	1.27	0.79	1.23	1.17	1.21	0.60	0.51	0.39	-0.04	
15	-0.04	0.58	1.23	1.37	0.78	1.29	1.16	1.18	0.58	0.51	0.38	-0.04	
16	-0.04	0.77	1.23	0.97	0.88	1.48	1.14	1.14	0.56	0.51	0.37	-0.04	
17	0.29	0.82	1.24	0.84	1.26	1.76	1.07	1.10	0.55	0.51	0.36	-0.04	
18	0.34	0.85	1.24	0.96	1.35	1.83	1.18	1.03	0.55	0.51	0.35	-0.04	
19	0.33	0.89	1.24	1.16	1.35	1.76	1.25	1.01	0.54	0.51	0.34	-0.04	
20	0.32	0.89	1.25	1.45	1.36	1.66	1.26	1.00	0.53	0.51	0.31	-0.04	
21	0.32	0.90	1.25	1.58	1.33	1.58	1.23	0.98	0.53	0.51	0.30	-0.04	
22	0.35	0.92	1.23	1.61	1.31	1.48	1.23	0.95	0.52	0.51	0.28	-0.04	
23	0.32	0.98	1.22	1.65	1.20	1.45	1.23	0.91	0.52	0.51	0.27	-0.04	
24	0.30	0.93	1.21	1.66	1.16	1.62	1.25	0.91	0.51	0.51	0.25	-0.04	
25	0.30	0.85	1.17	1.66	0.93	1.68	1.24	0.89	0.50	0.51	0.24	-0.04	
26	0.29	0.86	1.15	1.64	0.87	1.72	1.25	0.87	0.50	0.51	0.23	-0.04	
27	0.29	1.03	1.16	1.56	0.82	1.67	1.31	0.87	0.50	0.51	0.22	-0.04	
28	0.27	1.12	1.16	1.43	0.79	1.66	1.33	0.87	0.48	0.51	0.21	-0.04	
29	0.25	1.17	1.16	1.24	0.83	1.57	1.33	1.05	0.44	0.51		-0.04	
30	0.33	1.23	1.15	1.05	0.84	1.55	1.35	1.20	0.52	0.51		-0.04	
31		1.30		0.97	0.85		1.40		0.53	0.51		-0.04	
MEAN	0.12	0.68	1.25	1.24	0.98	1.43	1.24	1.14	0.71	0.51	0.38	0.03	
MAX	0.35	1.30	1.37	1.66	1.36	1.83	1.55	1.42	1.26	0.55	0.50	0.21	1.83
MIN	-0.04	0.27	1.15	0.84	0.78	0.85	1.07	0.87	0.44	0.51	0.21	-0.04	-0.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.83 M (A.D), AT 18.00 HOURS, ON SEP 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.05 M (A.D)
LEFT BANK ELEVATION 3.48 M (A.D)
RIGHT BANK ELEVATION 3.48 M (A.D), DRAINAGE AREA 88 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	2.20	1.27	0.71	0.48	3.90	2.35	1.69	0.00	0.00	0.00	
2	0.00	0.00	2.00	1.27	0.71	0.48	3.00	2.43	1.57	0.00	0.00	0.00	
3	0.00	0.00	1.95	1.24	0.64	0.64	2.00	2.43	1.49	0.00	0.00	0.00	
4	0.00	0.00	1.90	1.20	0.62	1.07	1.85	2.51	1.27	0.00	0.00	0.00	
5	0.00	0.00	2.00	1.13	0.64	1.38	1.61	2.35	1.01	0.00	0.00	0.00	
6	0.00	0.00	1.90	1.10	0.64	1.81	1.42	2.10	0.78	0.00	0.00	0.00	
7	0.00	0.00	1.90	1.10	0.57	1.81	1.42	1.90	0.71	0.00	0.00	0.00	
8	0.00	0.00	1.90	1.04	0.48	1.90	1.13	1.73	0.64	0.00	0.00	0.00	
9	0.00	0.00	1.90	1.01	0.69	2.00	1.27	1.65	0.53	0.00	0.00	0.00	
10	0.00	0.00	1.85	0.95	0.53	2.20	1.13	1.61	0.44	0.00	0.00	0.00	
11	0.00	0.00	1.73	0.86	0.51	3.31	1.10	1.42	0.31	0.00	0.00	0.00	
12	0.00	0.00	1.65	1.20	0.49	3.31	1.07	1.57	0.25	0.00	0.00	0.00	
13	0.00	0.00	1.65	1.34	0.42	2.30	1.17	1.57	0.14	0.00	0.00	0.00	
14	0.00	0.00	1.61	1.73	0.36	1.57	1.34	1.49	0.06	0.00	0.00	0.00	
15	0.00	0.04	1.57	2.20	0.34	1.81	1.31	1.38	0.04	0.00	0.00	0.00	
16	0.00	0.33	1.57	0.73	0.53	3.00	1.24	1.24	0.01	0.00	0.00	0.00	
17	0.00	0.42	1.61	0.46	1.69	9.18	1.01	1.10	0.00	0.00	0.00	0.00	
18	0.00	0.48	1.61	0.71	2.10	11.90	1.38	0.89	0.00	0.00	0.00	0.00	
19	0.00	0.55	1.61	1.31	2.10	9.18	1.65	0.83	0.00	0.00	0.00	0.00	
20	0.00	0.55	1.65	2.76	2.15	6.12	1.69	0.80	0.00	0.00	0.00	0.00	
21	0.00	0.57	1.65	4.35	2.00	4.35	1.57	0.75	0.00	0.00	0.00	0.00	
22	0.00	0.62	1.57	4.90	1.90	3.00	1.57	0.69	0.00	0.00	0.00	0.00	
23	0.00	0.75	1.53	5.87	1.45	2.76	1.57	0.59	0.00	0.00	0.00	0.00	
24	0.00	0.64	1.49	6.12	1.31	5.14	1.65	0.59	0.00	0.00	0.00	0.00	
25	0.00	0.48	1.34	6.12	0.64	6.61	1.61	0.55	0.00	0.00	0.00	0.00	
26	0.00	0.49	1.27	5.63	0.51	7.79	1.65	0.51	0.00	0.00	0.00	0.00	
27	0.00	0.89	1.31	4.05	0.42	6.36	1.90	0.51	0.00	0.00	0.00	0.00	
28	0.00	1.17	1.31	2.59	0.36	6.12	2.00	0.51	0.00	0.00	0.00	0.00	
29	0.00	1.34	1.31	1.61	0.44	4.20	2.00	0.95	0.00	0.00		0.00	
30	0.00	1.57	1.27	0.95	0.46	3.90	2.10	1.45	0.00	0.00		0.00	
31		1.85		0.73	0.48		2.35		0.00	0.00		0.00	
TOTAL	0.00	12.74	49.81	67.53	26.89	115.68	51.66	40.45	10.94	0.00	0.00	0.00	375.70 CMSDAY
MEAN	0.00	0.41	1.66	2.18	0.87	3.86	1.67	1.35	0.35	0.00	0.00	0.00	1.03 CMS
MAX	0.00	1.85	2.20	6.12	2.15	11.90	3.90	2.51	1.69	0.00	0.00	0.00	11.90 CMS
MIN	0.00	0.00	1.27	0.46	0.34	0.48	1.01	0.51	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	1.101	4.304	5.835	2.323	9.995	4.463	3.495	0.945	0.000	0.000	0.000	32.460 MCM

MOMENTARY PEAK 11.90 CMS, AT 1.83 M (A.D), AT 18.00 HOURS, ON SEP 18, 1985

RUNOFF YIELD 11.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 135.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

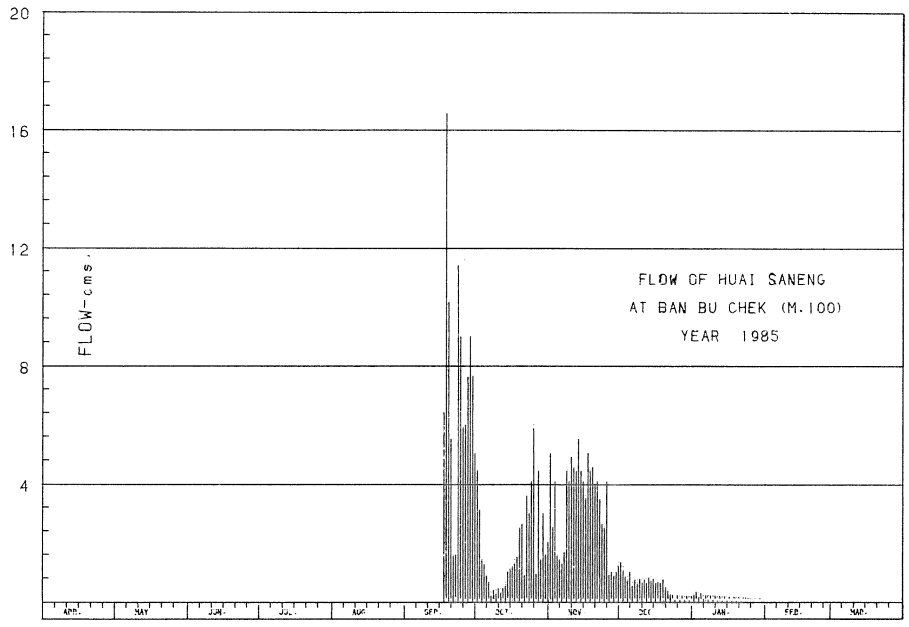
HUAI SANENG AT BAN BU CHEK, SURIN (M.100)

LOCATION	LAT. 14-37-01 N., LONG. 103-28-44 E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 145-146 AND ABOUT 8 KILOMETERS FROM AMPHOE PRASAT, TAMBON TA BAO, AMPHOE PRASAT, SURIN.
DRAINAGE AREA	131 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.332 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 5 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.49	0.49	0.47	0.42	0.37	1.56	1.57	1.46	1.22	0.85	0.60	
2	0.36	0.48	0.49	0.48	0.43	0.37	1.53	1.52	1.44	1.20	0.84	0.58	
3	0.36	0.47	0.50	0.48	0.42	0.38	1.48	1.55	1.40	1.17	0.83	0.57	
4	0.39	0.46	0.50	0.48	0.42	0.39	1.45	1.50	1.40	1.16	0.82	0.57	
5	0.40	0.45	0.57	0.50	0.43	0.40	1.42	1.47	1.42	1.12	0.81	0.57	
6	0.40	0.45	0.56	0.50	0.44	0.40	1.35	1.47	1.35	1.10	0.80	0.56	
7	0.39	0.44	0.55	0.50	0.43	0.40	1.20	1.50	1.37	1.10	0.80	0.56	
8	0.39	0.45	0.55	0.51	0.42	0.40	1.24	1.56	1.37	1.08	0.80	0.55	
9	0.39	0.44	0.54	0.53	0.42	0.39	1.25	1.55	1.38	1.08	0.78	0.54	
10	0.38	0.43	0.52	0.52	0.42	0.44	1.28	1.57	1.38	1.06	0.77	0.54	
11	0.38	0.42	0.51	0.51	0.43	0.45	1.28	1.56	1.37	1.05	0.76	0.53	
12	0.36	0.42	0.50	0.52	0.42	0.48	1.28	1.56	1.38	1.04	0.75	0.52	
13	0.36	0.45	0.50	0.54	0.41	0.49	1.35	1.58	1.39	1.02	0.75	0.51	
14	0.36	0.45	0.50	0.52	0.41	0.52	1.42	1.56	1.40	1.02	0.74	0.50	
15	0.34	0.44	0.50	0.49	0.41	0.54	1.45	1.55	1.38	1.01	0.72	0.50	
16	0.40	0.46	0.50	0.47	0.41	0.58	1.44	1.54	1.38	1.00	0.71	0.50	
17	0.43	0.49	0.50	0.47	0.41	1.60	1.47	1.57	1.35	1.00	0.70	0.49	
18	0.42	0.49	0.50	0.47	0.42	1.68	1.48	1.56	1.38	1.00	0.70	0.49	
19	0.41	0.48	0.50	0.47	0.41	1.63	1.52	1.56	1.37	1.00	0.69	0.47	
20	0.41	0.49	0.48	0.46	0.40	1.58	1.52	1.55	1.34	1.00	0.69	0.46	
21	0.40	0.50	0.48	0.46	0.40	1.50	1.42	1.55	1.22	0.97	0.68	0.46	
22	0.42	0.51	0.48	0.46	0.40	1.49	1.54	1.54	1.24	0.95	0.67	0.46	
23	0.40	0.51	0.50	0.46	0.40	1.64	1.53	1.52	1.11	0.94	0.66	0.44	
24	0.44	0.51	0.50	0.45	0.40	1.62	1.55	1.52	1.10	0.92	0.65	0.44	
25	0.43	0.50	0.49	0.45	0.41	1.59	1.59	1.55	1.09	0.92	0.64	0.44	
26	0.41	0.50	0.48	0.45	0.40	1.59	1.41	1.42	1.08	0.90	0.64	0.44	
27	0.42	0.50	0.48	0.44	0.38	1.61	1.56	1.42	1.07	0.90	0.63	0.43	
28	0.41	0.49	0.47	0.44	0.38	1.62	1.47	1.42	1.06	0.89	0.63	0.42	
29	0.41	0.50	0.46	0.43	0.38	1.61	1.53	1.42	1.06	0.89		0.42	
30	0.44	0.49	0.46	0.42	0.37	1.57	1.49	1.46	1.05	0.87		0.41	
31		0.48		0.42	0.37		1.51		1.05	0.85		0.40	
MEAN	0.40	0.47	0.50	0.48	0.41	0.98	1.44	1.52	1.29	1.01	0.73	0.50	
MAX	0.44	0.51	0.57	0.54	0.44	1.68	1.59	1.58	1.46	1.22	0.85	0.60	1.68
MIN	0.34	0.42	0.46	0.42	0.37	0.37	1.20	1.42	1.05	0.85	0.63	0.40	0.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.68 M (A.D), AT 6.00 HOURS, ON SEP 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.12 M (A.D)
LEFT BANK ELEVATION 3.12 M (A.D)
RIGHT BANK ELEVATION 3.12 M (A.D), DRAINAGE AREA 131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.02	0.02	0.01	0.00	0.00	4.58	5.06	1.37	0.38	0.12	0.04	
2	0.00	0.02	0.02	0.02	0.01	0.00	3.14	2.66	1.21	0.35	0.11	0.04	
3	0.00	0.01	0.02	0.02	0.00	0.00	1.54	4.10	0.88	0.31	0.11	0.03	
4	0.00	0.01	0.02	0.02	0.00	0.00	1.29	1.70	0.88	0.30	0.11	0.03	
5	0.00	0.01	0.03	0.02	0.01	0.00	1.04	1.45	1.04	0.25	0.10	0.03	
6	0.00	0.01	0.03	0.02	0.01	0.00	0.69	1.45	0.69	0.23	0.10	0.03	
7	0.00	0.01	0.03	0.02	0.01	0.00	0.35	1.70	0.77	0.23	0.10	0.03	
8	0.00	0.01	0.03	0.02	0.00	0.00	0.41	4.58	0.77	0.22	0.10	0.03	
9	0.00	0.01	0.03	0.03	0.00	0.00	0.43	4.10	0.80	0.22	0.09	0.03	
10	0.00	0.01	0.02	0.02	0.00	0.01	0.47	5.06	0.80	0.21	0.09	0.03	
11	0.00	0.00	0.02	0.02	0.01	0.01	0.47	4.58	0.77	0.20	0.09	0.03	
12	0.00	0.00	0.02	0.02	0.00	0.02	0.47	4.58	0.80	0.20	0.09	0.02	
13	0.00	0.01	0.02	0.03	0.00	0.02	0.69	5.54	0.84	0.19	0.09	0.02	
14	0.00	0.01	0.02	0.02	0.00	0.02	1.04	4.58	0.88	0.19	0.08	0.02	
15	0.00	0.01	0.02	0.02	0.00	0.03	1.29	4.10	0.80	0.19	0.08	0.02	
16	0.00	0.01	0.02	0.01	0.00	0.04	1.21	3.62	0.80	0.18	0.07	0.02	
17	0.01	0.02	0.02	0.01	0.00	6.50	1.45	5.06	0.69	0.18	0.07	0.02	
18	0.00	0.02	0.02	0.01	0.00	16.58	1.54	4.58	0.80	0.18	0.07	0.02	
19	0.00	0.02	0.02	0.01	0.00	10.28	2.66	4.58	0.77	0.18	0.07	0.01	
20	0.00	0.02	0.02	0.01	0.00	5.54	2.66	4.10	0.65	0.18	0.07	0.01	
21	0.00	0.02	0.02	0.01	0.00	1.70	1.04	4.10	0.38	0.17	0.06	0.01	
22	0.00	0.02	0.02	0.01	0.00	1.62	3.62	3.62	0.41	0.16	0.06	0.01	
23	0.00	0.02	0.02	0.01	0.00	11.54	3.14	2.66	0.24	0.15	0.06	0.01	
24	0.01	0.02	0.02	0.01	0.00	9.02	4.10	2.66	0.23	0.14	0.05	0.01	
25	0.01	0.02	0.02	0.01	0.00	6.02	6.02	4.10	0.23	0.14	0.05	0.01	
26	0.00	0.02	0.02	0.01	0.00	6.02	0.96	1.04	0.22	0.13	0.05	0.01	
27	0.00	0.02	0.02	0.01	0.00	7.76	4.58	1.04	0.22	0.13	0.05	0.01	
28	0.00	0.02	0.01	0.01	0.00	9.02	1.45	1.04	0.21	0.13	0.05	0.00	
29	0.00	0.02	0.01	0.01	0.00	7.76	3.14	1.04	0.21	0.13		0.00	
30	0.01	0.02	0.01	0.00	0.00	5.06	1.62	1.37	0.20	0.12		0.00	
31		0.02		0.00	0.00		2.18		0.20	0.12		0.00	
TOTAL	0.04	0.46	0.62	0.45	0.05	104.57	59.27	99.85	19.76	6.09	2.24	0.58	293.98 CMSDAY
MEAN	0.00	0.01	0.02	0.01	0.00	3.49	1.91	3.33	0.64	0.20	0.08	0.02	0.81 CMS
MAX	0.01	0.02	0.03	0.03	0.01	16.58	6.02	5.54	1.37	0.38	0.12	0.04	16.58 CMS
MIN	0.00	0.00	0.01	0.00	0.00	0.00	0.35	1.04	0.20	0.12	0.05	0.00	0.00 CMS
RUNOFF	0.003	0.040	0.054	0.039	0.004	9.035	5.121	8.627	1.707	0.526	0.194	0.050	25.400 MCM

MOMENTARY PEAK 16.58 CMS, AT 1.68 M (A.D), AT 6.00 HOURS, ON SEP 18, 1985

RUNOFF YIELD 6.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 126.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

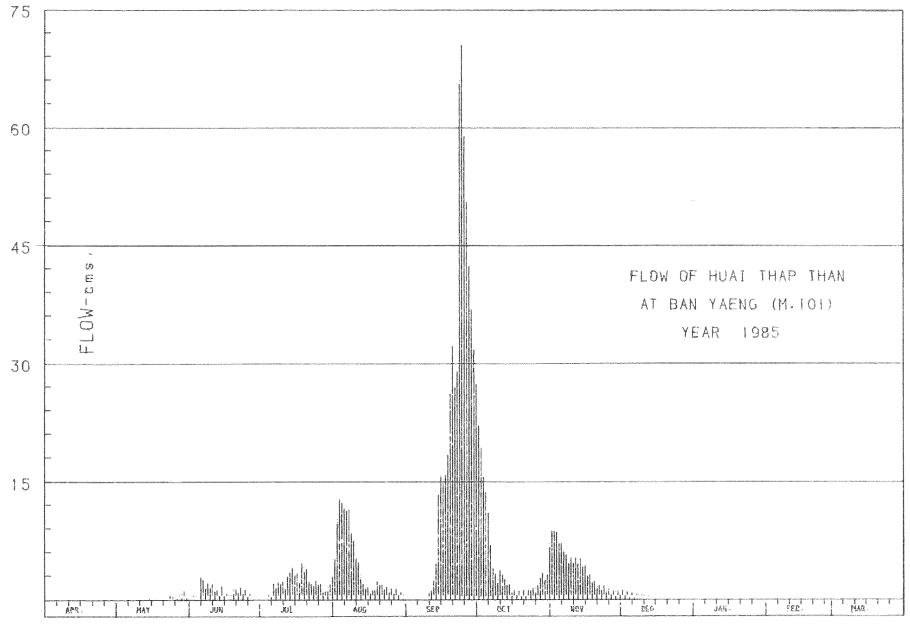
HUAI THAP THAN AT BAN YAENG, SURIN (M.101)

LOCATION	LAT. 14-37-42 N., LONG. 103-42-12 E., ON LEFT BANK AT THE BRIDE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 170-171 AND ABOUT 17 KILOMETERS FROM AMPHOE SANGKHA, BAN YAENG, TAMBON KRA THIAM, AMPHOE SANGKHA, SURIN.
DRAINAGE AREA	390 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.945 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.49	4.69	4.94	4.81	5.82	4.90	6.93	6.14	5.13	4.49	4.40	4.36	
2	4.48	4.67	4.94	4.87	6.26	4.87	6.82	6.19	5.12	4.53	4.40	4.35	
3	4.48	4.71	4.92	4.89	6.45	4.87	6.66	6.13	5.08	4.59	4.40	4.34	
4	4.47	4.78	4.91	4.98	6.46	4.84	6.51	6.05	5.04	4.59	4.40	4.33	
5	4.47	4.77	5.58	5.06	6.37	4.82	6.36	6.01	5.04	4.56	4.40	4.33	
6	4.46	4.77	5.44	5.35	6.39	4.84	5.99	5.96	5.01	4.50	4.39	4.32	
7	4.46	4.78	5.34	5.36	6.36	4.88	5.73	5.87	4.98	4.51	4.39	4.32	
8	4.45	4.76	5.36	5.38	6.16	4.80	5.57	5.81	4.95	4.53	4.38	4.32	
9	4.44	4.76	5.37	5.46	6.04	4.77	5.45	5.83	4.96	4.55	4.38	4.31	
10	4.44	4.75	5.34	5.40	5.87	5.02	5.64	5.82	4.93	4.55	4.38	4.31	
11	4.43	4.75	5.26	5.34	5.77	5.27	5.64	5.83	4.93	4.55	4.38	4.31	
12	4.43	4.72	5.16	5.52	5.55	5.42	5.45	5.81	4.91	4.54	4.38	4.30	
13	4.42	4.74	5.13	5.69	5.33	5.81	5.41	5.82	4.88	4.53	4.40	4.30	
14	4.42	4.74	5.28	5.70	5.34	6.49	5.32	5.77	4.85	4.50	4.42	4.30	
15	4.42	4.70	5.11	5.64	5.24	6.67	5.22	5.72	4.83	4.45	4.42	4.30	
16	4.43	4.75	5.03	5.60	5.21	6.59	5.13	5.61	4.80	4.45	4.42	4.29	
17	4.43	4.76	4.97	5.48	5.14	6.68	5.14	5.55	4.78	4.43	4.41	4.29	
18	4.42	4.76	4.96	5.76	5.28	6.78	5.11	5.47	4.80	4.42	4.41	4.29	
19	4.42	4.77	5.18	5.70	5.40	7.02	5.08	5.40	4.77	4.42	4.41	4.28	
20	4.41	4.78	5.20	5.67	5.44	7.09	5.14	5.33	4.67	4.42	4.40	4.28	
21	4.42	4.76	5.23	5.50	5.32	7.03	5.10	5.29	4.73	4.42	4.40	4.28	
22	4.46	4.80	5.24	5.34	5.32	7.05	5.14	5.29	4.83	4.42	4.40	4.27	
23	4.59	4.93	5.21	5.42	5.26	7.26	5.28	5.28	4.77	4.42	4.39	4.27	
24	4.79	4.85	5.18	5.42	5.23	7.28	5.22	5.21	4.71	4.42	4.39	4.26	
25	4.80	4.83	5.11	5.44	5.21	7.23	5.22	5.19	4.85	4.42	4.38	4.26	
26	4.74	4.96	5.02	5.34	5.20	7.19	5.29	5.14	4.85	4.41	4.38	4.25	
27	4.73	4.95	4.94	5.23	5.19	7.15	5.57	5.12	4.85	4.41	4.37	4.25	
28	4.73	5.02	4.93	5.11	5.15	7.12	5.59	5.09	4.72	4.41	4.37	4.25	
29	4.71	5.13	4.83	5.27	5.07	7.09	5.54	5.11	4.61	4.40		4.23	
30	4.69	5.02	4.84	5.33	4.99	7.03	5.55	5.14	4.55	4.40		4.22	
31		4.94		5.61	4.95		6.01		4.49	4.40		4.22	
MEAN	4.52	4.81	5.13	5.38	5.57	6.13	5.61	5.60	4.85	4.47	4.39	4.29	
MAX	4.80	5.13	5.58	5.76	6.46	7.28	6.93	6.19	5.13	4.59	4.42	4.36	7.28
MIN	4.41	4.67	4.83	4.81	4.95	4.77	5.08	5.09	4.49	4.40	4.37	4.22	4.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.31 M (A.D), AT 18.00 HOURS, ON SEP 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.38 M (A.D)
LEFT BANK ELEVATION 8.71 M (A.D)
RIGHT BANK ELEVATION 8.69 M (A.D), DRAINAGE AREA 390 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.06	0.53	0.24	5.20	0.42	22.55	8.68	1.11	0.00	0.00	0.00	
2	0.00	0.05	0.53	0.36	10.18	0.36	19.34	9.28	1.07	0.00	0.00	0.00	
3	0.00	0.09	0.48	0.40	12.75	0.36	16.02	8.56	0.94	0.00	0.00	0.00	
4	0.00	0.19	0.45	0.64	12.90	0.30	13.65	7.60	0.82	0.00	0.00	0.00	
5	0.00	0.17	3.33	0.88	11.61	0.26	11.48	7.12	0.82	0.00	0.00	0.00	
6	0.00	0.17	2.52	2.05	11.87	0.30	6.90	6.60	0.73	0.00	0.00	0.00	
7	0.00	0.19	2.00	2.10	11.48	0.38	4.41	5.70	0.64	0.00	0.00	0.00	
8	0.00	0.16	2.10	2.20	8.92	0.22	3.27	5.10	0.56	0.00	0.00	0.00	
9	0.00	0.16	2.15	2.63	7.48	0.17	2.57	5.30	0.59	0.00	0.00	0.00	
10	0.00	0.15	2.00	2.30	5.70	0.76	3.73	5.20	0.50	0.00	0.00	0.00	
11	0.00	0.15	1.62	2.00	4.74	1.66	3.73	5.30	0.50	0.00	0.00	0.00	
12	0.00	0.10	1.21	2.97	3.15	2.41	2.57	5.10	0.45	0.00	0.00	0.00	
13	0.00	0.13	1.11	4.08	1.95	5.10	2.35	5.20	0.38	0.00	0.00	0.00	
14	0.00	0.13	1.71	4.15	2.00	13.35	1.90	4.74	0.32	0.00	0.00	0.00	
15	0.00	0.07	1.04	3.73	1.53	16.19	1.44	4.32	0.28	0.00	0.00	0.00	
16	0.00	0.15	0.79	3.45	1.40	14.85	1.11	3.52	0.22	0.00	0.00	0.00	
17	0.00	0.16	0.62	2.74	1.14	16.36	1.14	3.15	0.19	0.00	0.00	0.00	
18	0.00	0.16	0.59	4.66	1.71	18.38	1.04	2.68	0.22	0.00	0.00	0.00	
19	0.00	0.17	1.28	4.15	2.30	26.60	0.94	2.30	0.17	0.00	0.00	0.00	
20	0.00	0.19	1.35	3.94	2.52	32.20	1.14	1.95	0.05	0.00	0.00	0.00	
21	0.00	0.16	1.49	2.85	1.90	27.40	1.00	1.75	0.12	0.00	0.00	0.00	
22	0.00	0.22	1.53	2.00	1.90	29.00	1.14	1.75	0.28	0.00	0.00	0.00	
23	0.00	0.50	1.40	2.41	1.62	66.00	1.71	1.71	0.17	0.00	0.00	0.00	
24	0.20	0.32	1.28	2.41	1.49	70.50	1.44	1.40	0.09	0.00	0.00	0.00	
25	0.22	0.28	1.04	2.52	1.40	59.25	1.44	1.32	0.32	0.00	0.00	0.00	
26	0.13	0.59	0.76	2.00	1.35	50.55	1.75	1.14	0.32	0.00	0.00	0.00	
27	0.12	0.56	0.53	1.49	1.32	42.75	3.27	1.07	0.32	0.00	0.00	0.00	
28	0.12	0.76	0.50	1.04	1.18	36.90	3.39	0.97	0.10	0.00	0.00	0.00	
29	0.09	1.11	0.28	1.66	0.91	32.20	3.09	1.04	0.01	0.00		0.00	
30	0.06	0.76	0.30	1.95	0.67	27.40	3.15	1.14	0.00	0.00		0.00	
31		0.53		3.52	0.56		7.12		0.00	0.00		0.00	
TOTAL	0.94	8.59	36.52	73.52	134.83	592.58	149.78	120.69	12.29	0.00	0.00	0.00	1129.74 CMSDAY
MEAN	0.03	0.28	1.22	2.37	4.35	19.75	4.83	4.02	0.40	0.00	0.00	0.00	3.10 CMS
MAX	0.22	1.11	3.33	4.66	12.90	70.50	22.55	9.28	1.11	0.00	0.00	0.00	70.50 CMS
MIN	0.00	0.05	0.28	0.24	0.56	0.17	0.94	0.97	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.081	0.742	3.155	6.352	11.649	51.199	12.941	10.428	1.062	0.000	0.000	0.000	97.610 MCM

MOMENTARY PEAK 77.50 CMS, AT 7.31 M (A.D), AT 18.00 HOURS, ON SEP 23, 1985

RUNOFF YIELD 7.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 198.72 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

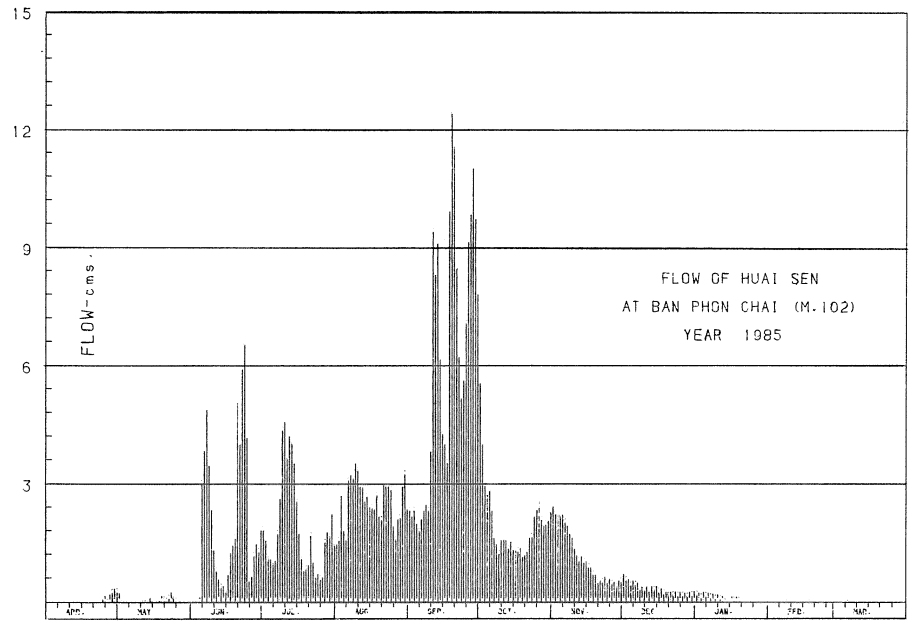
HUAI SEN AT BAN PHON CHAI, SURIN (M.102)

LOCATION	LAT. 14-36-50 N., LONG. 103-53-24 E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 192-193 AND ABOUT 4 KILOMETERS FROM AMPHOE SANGKHA, BAN PHON CHAI, TAMBON SANGKHA, AMPHOE SANGKHA, SURIN.
DRAINAGE AREA	207 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M. OF HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.511 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
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 27 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.60	0.22	-0.13	0.91	0.81	0.99	0.89	0.48	-0.05	-0.32	-0.55	-0.55	
2	-0.61	0.03	-0.09	0.83	0.85	0.95	0.71	0.46	-0.08	-0.36	-0.55	-0.55	
3	-0.62	0.01	-0.01	0.72	1.03	0.99	0.58	0.44	-0.12	-0.38	-0.55	-0.55	
4	-0.62	-0.12	0.08	0.70	0.90	0.92	0.53	0.45	-0.15	-0.35	-0.55	-0.55	
5	-0.54	-0.22	0.59	0.69	0.83	0.90	0.56	0.44	-0.14	-0.35	-0.55	-0.55	
6	-0.55	-0.23	0.69	0.69	1.09	0.94	0.46	0.42	-0.15	-0.36	-0.55	-0.55	
7	-0.56	-0.27	0.82	0.89	1.10	0.99	0.32	0.38	-0.17	-0.38	-0.55	-0.55	
8	-0.58	-0.21	0.64	1.02	1.10	1.00	0.25	0.35	-0.22	-0.38	-0.55	-0.55	
9	-0.59	-0.13	0.48	1.22	1.13	0.99	0.20	0.30	-0.25	-0.40	-0.55	-0.56	
10	-0.63	-0.10	0.20	1.23	1.12	1.16	0.28	0.24	-0.24	-0.39	-0.55	-0.56	
11	-0.63	-0.06	0.03	1.15	1.06	1.52	0.31	0.15	-0.24	-0.40	-0.55	-0.56	
12	-0.63	-0.08	-0.12	1.20	1.07	1.47	0.28	0.13	-0.25	-0.43	-0.55	-0.56	
13	-0.63	-0.08	-0.19	1.19	1.01	1.51	0.24	0.14	-0.23	-0.50	-0.55	-0.56	
14	-0.63	0.17	-0.22	1.13	1.04	1.35	0.27	0.12	-0.24	-0.53	-0.55	-0.56	
15	-0.63	-0.03	-0.26	1.02	0.99	1.21	0.23	0.09	-0.23	-0.53	-0.55	-0.56	
16	-0.44	-0.01	-0.06	0.87	1.00	1.18	0.20	0.07	-0.27	-0.44	-0.55	-0.56	
17	-0.45	0.00	0.21	0.72	0.98	1.14	0.22	0.03	-0.28	-0.46	-0.55	-0.56	
18	-0.46	0.09	0.24	0.59	1.04	1.27	0.22	-0.01	-0.31	-0.46	-0.55	-0.56	
19	-0.47	0.14	0.32	0.64	0.95	1.45	0.17	-0.06	-0.35	-0.47	-0.55	-0.56	
20	-0.48	0.11	0.83	0.65	0.95	1.39	0.15	-0.12	-0.35	-0.50	-0.55	-0.57	
21	-0.43	0.06	0.72	0.88	1.07	1.16	0.22	-0.14	-0.35	-0.51	-0.55	-0.57	
22	-0.42	0.18	0.92	0.67	1.07	0.95	0.30	-0.11	-0.33	-0.52	-0.55	-0.57	
23	-0.31	0.24	0.99	0.55	1.06	0.85	0.33	-0.08	-0.34	-0.52	-0.55	-0.57	
24	0.03	0.18	0.73	0.55	1.06	0.89	0.43	-0.11	-0.35	-0.52	-0.55	-0.57	
25	0.14	0.08	0.50	0.53	0.91	1.04	0.48	-0.11	-0.35	-0.53	-0.55	-0.56	
26	0.01	0.03	0.52	0.51	0.85	1.21	0.51	-0.13	-0.35	-0.53	-0.55	-0.56	
27	0.19	-0.03	0.75	0.84	0.94	1.27	0.43	-0.16	-0.36	-0.55	-0.55	-0.56	
28	0.33	-0.11	0.81	0.88	0.96	1.35	0.38	-0.18	-0.36	-0.55	-0.55	-0.56	
29	0.34	-0.12	0.78	0.87	1.06	1.26	0.41	-0.14	-0.35	-0.55		-0.57	
30	0.34	-0.20	0.89	0.96	1.11	1.10	0.41	-0.10	-0.33	-0.55		-0.57	
31		-0.20		0.82	0.90		0.47		-0.33	-0.55		-0.57	
MEAN	-0.37	-0.02	0.39	0.84	1.00	1.15	0.37	0.11	-0.26	-0.46	-0.55	-0.56	
MAX	0.34	0.24	0.99	1.23	1.13	1.52	0.89	0.48	-0.05	-0.32	-0.55	-0.55	1.52
MIN	-0.63	-0.27	-0.26	0.51	0.81	0.85	0.15	-0.18	-0.36	-0.55	-0.55	-0.57	-0.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.54 M (A.D), AT 18.00 HOURS, ON SEP 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 2.18 M (A.D)
RIGHT BANK ELEVATION 2.24 M (A.D), DRAINAGE AREA 207 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.22	0.02	1.91	1.46	2.40	5.61	2.42	0.70	0.27	0.04	0.04	
2	0.00	0.09	0.03	1.55	1.64	2.16	3.99	2.31	0.64	0.22	0.04	0.04	
3	0.00	0.08	0.07	1.14	2.69	2.40	3.02	2.21	0.57	0.20	0.04	0.04	
4	0.00	0.02	0.11	1.07	1.85	1.97	2.71	2.26	0.52	0.24	0.04	0.04	
5	0.00	0.01	3.09	1.04	1.55	1.85	2.90	2.21	0.53	0.24	0.04	0.04	
6	0.00	0.01	3.83	1.04	3.14	2.09	2.31	2.10	0.52	0.22	0.04	0.04	
7	0.00	0.00	4.96	1.81	3.22	2.40	1.70	1.92	0.48	0.20	0.04	0.04	
8	0.00	0.01	3.45	2.61	3.22	2.46	1.46	1.81	0.40	0.20	0.04	0.04	
9	0.00	0.02	2.42	4.44	3.51	2.40	1.30	1.62	0.37	0.17	0.04	0.03	
10	0.00	0.02	1.30	4.56	3.42	3.81	1.56	1.43	0.38	0.18	0.04	0.03	
11	0.00	0.04	0.87	3.71	2.92	9.47	1.66	1.17	0.38	0.17	0.04	0.03	
12	0.00	0.03	0.57	4.20	2.99	8.30	1.56	1.12	0.37	0.14	0.04	0.03	
13	0.00	0.03	0.45	4.10	2.54	9.18	1.43	1.14	0.39	0.08	0.04	0.03	
14	0.00	0.18	0.40	3.51	2.76	6.15	1.52	1.09	0.38	0.06	0.04	0.03	
15	0.00	0.06	0.35	2.61	2.40	4.32	1.40	1.02	0.39	0.06	0.04	0.03	
16	0.00	0.07	0.68	1.72	2.46	4.00	1.30	0.97	0.34	0.13	0.04	0.03	
17	0.00	0.07	1.33	1.14	2.34	3.61	1.36	0.87	0.33	0.12	0.04	0.03	
18	0.00	0.12	1.43	0.78	2.76	9.91	1.36	0.78	0.29	0.12	0.04	0.03	
19	0.00	0.15	1.70	0.91	2.16	12.48	1.22	0.68	0.24	0.11	0.04	0.03	
20	0.00	0.13	5.05	0.93	2.16	11.56	1.17	0.57	0.24	0.08	0.04	0.02	
21	0.00	0.10	4.07	1.76	2.99	8.52	1.36	0.53	0.24	0.07	0.04	0.02	
22	0.00	0.18	5.90	0.99	2.99	6.20	1.62	0.58	0.26	0.06	0.04	0.02	
23	0.00	0.24	6.60	0.70	2.92	5.24	1.73	0.64	0.25	0.06	0.04	0.02	
24	0.09	0.18	4.16	0.70	2.92	5.61	2.16	0.58	0.24	0.06	0.04	0.02	
25	0.15	0.11	0.60	0.66	1.91	7.14	2.42	0.58	0.24	0.06	0.04	0.03	
26	0.08	0.09	0.64	0.62	1.64	9.13	2.58	0.55	0.24	0.06	0.04	0.03	
27	0.19	0.06	1.25	1.59	2.09	9.91	2.16	0.50	0.22	0.04	0.04	0.03	
28	0.33	0.02	1.46	1.76	2.22	11.00	1.92	0.46	0.22	0.04	0.04	0.03	
29	0.34	0.02	1.35	1.72	2.92	9.78	2.05	0.53	0.24	0.04		0.02	
30	0.34	0.01	1.81	2.22	3.32	7.80	2.05	0.60	0.26	0.04		0.02	
31		0.01		1.51	2.34		2.36		0.26	0.04		0.02	
TOTAL	1.52	2.38	59.95	59.01	79.45	183.25	62.95	35.25	11.13	3.78	1.12	0.93	500.72 CMSDAY
MEAN	0.05	0.08	2.00	1.90	2.56	6.11	2.03	1.17	0.36	0.12	0.04	0.03	1.37 CMS
MAX	0.34	0.24	6.60	4.56	3.51	12.48	5.61	2.42	0.70	0.27	0.04	0.04	12.48 CMS
MIN	0.00	0.00	0.02	0.62	1.46	1.85	1.17	0.46	0.22	0.04	0.04	0.02	0.00 CMS
RUNOFF	0.131	0.206	5.180	5.098	6.864	15.833	5.439	3.046	0.962	0.327	0.097	0.080	43.262 MCM

MOMENTARY PEAK 10.04 CMS. AT 1.54 M (A.D), AT 18.00 HOURS, ON SEP 11, 1985

RUNOFF YIELD 6.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 48.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

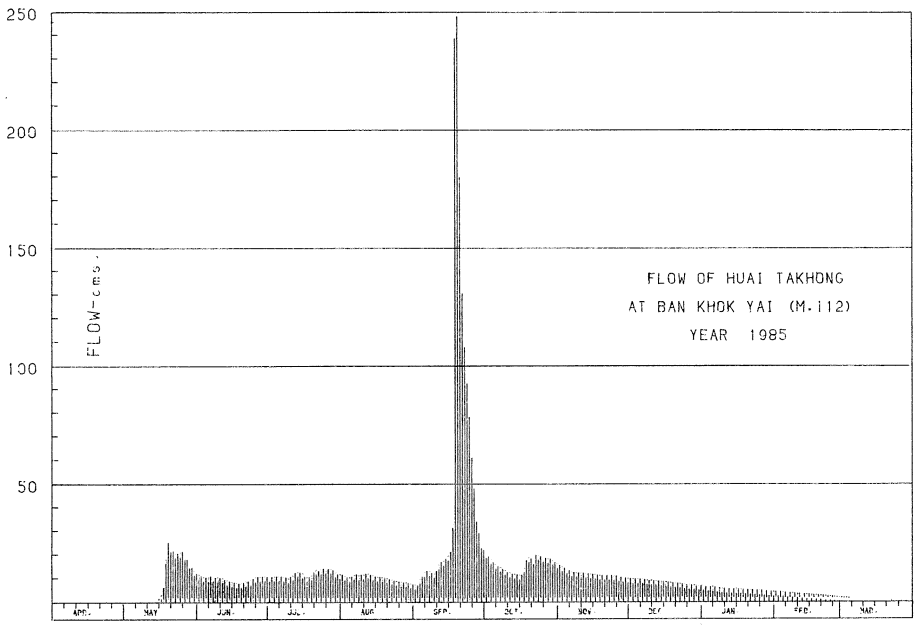
HUAI TAKHONG AT BAN KHOK YAI, BURI RAM (M.112)

LOCATION	LAT. 15-11-44 N., LONG. 103-12-22 E., ON LEFT BANK ATTHE BRIDGE ON HIGHWAY AT BAN KHOK YAI, AMPHOE SATUK, BURI RAM.
DRAINAGE AREA	1,156 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE GAGE SITE.
ELEVATION	+9.129 M.(A.D.)
GAGE READING FREQUENCY	3-5 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 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 10 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.59	2.57	3.74	3.69	3.74	3.49	4.14	3.93	3.65	3.46	3.24	2.99	
2	2.58	2.55	3.72	3.69	3.71	3.47	4.09	3.90	3.64	3.45	3.24	2.98	
3	2.57	2.54	3.69	3.70	3.68	3.64	4.04	3.88	3.64	3.44	3.23	2.97	
4	2.57	2.53	3.68	3.70	3.68	3.69	3.98	3.86	3.64	3.43	3.22	2.96	
5	2.56	2.53	3.69	3.70	3.70	3.79	3.95	3.83	3.64	3.43	3.21	2.95	
6	2.55	2.52	3.71	3.70	3.73	3.82	3.91	3.80	3.64	3.42	3.20	2.94	
7	2.55	2.51	3.69	3.69	3.75	3.81	3.89	3.79	3.63	3.41	3.19	2.93	
8	2.54	2.50	3.68	3.68	3.72	3.78	3.86	3.79	3.62	3.40	3.18	2.93	
9	2.54	2.50	3.68	3.65	3.74	3.77	3.83	3.78	3.61	3.39	3.17	2.92	
10	2.51	2.49	3.67	3.69	3.74	3.82	3.79	3.77	3.61	3.38	3.16	2.91	
11	2.50	2.48	3.66	3.72	3.76	3.94	3.77	3.77	3.60	3.37	3.15	2.90	
12	2.49	2.61	3.63	3.78	3.76	3.99	3.75	3.77	3.60	3.36	3.14	2.90	
13	2.48	2.76	3.61	3.80	3.74	4.01	3.75	3.76	3.59	3.36	3.13	2.89	
14	2.47	2.85	3.59	3.79	3.72	4.05	3.74	3.75	3.58	3.36	3.12	2.89	
15	2.45	2.94	3.57	3.77	3.70	4.10	3.73	3.75	3.58	3.36	3.12	2.88	
16	2.44	3.11	3.56	3.70	3.69	4.17	3.73	3.74	3.57	3.35	3.11	2.88	
17	2.43	3.42	3.54	3.68	3.69	4.60	3.88	3.73	3.56	3.35	3.10	2.87	
18	2.44	4.04	3.53	3.69	3.68	6.73	4.02	3.72	3.55	3.34	3.10	2.87	
19	2.43	4.33	3.54	3.72	3.67	6.75	4.07	3.72	3.54	3.34	3.09	2.86	
20	2.43	4.25	3.55	3.79	3.66	6.60	4.05	3.72	3.54	3.33	3.08	2.85	
21	2.43	4.19	3.58	3.85	3.64	6.43	4.03	3.72	3.53	3.32	3.07	2.85	
22	2.42	4.15	3.59	3.82	3.62	6.26	4.12	3.72	3.52	3.32	3.06	2.84	
23	2.53	4.15	3.61	3.85	3.61	6.08	4.11	3.72	3.51	3.31	3.05	2.83	
24	2.57	4.16	3.65	3.87	3.59	5.78	4.09	3.71	3.50	3.30	3.04	2.82	
25	2.57	4.18	3.68	3.87	3.58	5.43	4.07	3.71	3.49	3.30	3.03	2.82	
26	2.57	4.12	3.69	3.86	3.57	5.06	4.06	3.69	3.49	3.29	3.02	2.82	
27	2.57	4.04	3.69	3.86	3.56	4.69	4.05	3.68	3.48	3.28	3.01	2.81	
28	2.57	3.97	3.70	3.84	3.56	4.47	4.05	3.67	3.48	3.27	3.00	2.80	
29	2.56	3.89	3.70	3.79	3.54	4.30	4.02	3.66	3.48	3.26		2.80	
30	2.57	3.82	3.69	3.75	3.52	4.20	3.98	3.65	3.47	3.25		2.79	
31		3.77		3.75	3.50		3.96		3.47	3.24		2.78	
MEAN	2.52	3.31	3.64	3.76	3.66	4.62	3.95	3.76	3.56	3.35	3.12	2.88	
MAX	2.59	4.33	3.74	3.87	3.76	6.75	4.14	3.93	3.65	3.46	3.24	2.99	6.75
MIN	2.42	2.48	3.53	3.65	3.50	3.47	3.73	3.65	3.47	3.24	3.00	2.78	2.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.81 M (A.D), AT 21.00 HOURS, ON SEP 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.28 M (A.D)
LEFT BANK ELEVATION 7.27 M (A.D)
RIGHT BANK ELEVATION 7.33 M (A.D), DRAINAGE AREA 1156 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	11.66	10.71	11.66	7.35	20.50	15.59	9.95	6.90	4.30	1.92	
2	0.00	0.00	11.28	10.71	11.09	7.05	19.27	14.90	9.76	6.75	4.30	1.84	
3	0.00	0.00	10.71	10.90	10.52	9.76	18.12	14.48	9.76	6.60	4.20	1.76	
4	0.00	0.00	10.52	10.90	10.52	10.71	16.74	14.06	9.76	6.45	4.10	1.68	
5	0.00	0.00	10.71	10.90	10.90	12.61	16.05	13.43	9.76	6.45	4.00	1.60	
6	0.00	0.00	11.09	10.90	11.47	13.22	15.13	12.80	9.76	6.30	3.90	1.52	
7	0.00	0.00	10.71	10.71	11.85	13.01	14.69	12.61	9.57	6.15	3.80	1.44	
8	0.00	0.00	10.52	10.52	11.28	12.42	14.06	12.61	9.38	6.00	3.70	1.44	
9	0.00	0.00	10.52	9.95	11.66	12.23	13.43	12.42	9.19	5.89	3.60	1.36	
10	0.00	0.00	10.33	10.71	11.66	13.22	12.61	12.23	9.19	5.78	3.50	1.28	
11	0.00	0.00	10.14	11.28	12.04	15.82	12.23	12.23	9.00	5.67	3.40	1.20	
12	0.00	0.00	9.57	12.42	12.04	16.97	11.85	12.23	9.00	5.56	3.30	1.20	
13	0.00	0.30	9.19	12.80	11.66	17.43	11.85	12.04	8.85	5.56	3.20	1.13	
14	0.00	0.85	8.85	12.61	11.28	18.35	11.66	11.85	8.70	5.56	3.10	1.13	
15	0.00	1.52	8.55	12.23	10.90	19.50	11.47	11.85	8.70	5.56	3.10	1.06	
16	0.00	3.00	8.40	10.90	10.71	21.25	11.47	11.66	8.55	5.45	3.00	1.06	
17	0.00	6.30	8.10	10.52	10.71	33.00	14.48	11.47	8.40	5.45	2.90	0.99	
18	0.00	18.12	7.95	10.71	10.52	238.80	17.66	11.28	8.25	5.34	2.90	0.99	
19	0.00	25.25	8.10	11.28	10.33	250.00	18.81	11.28	8.10	5.34	2.81	0.92	
20	0.00	23.25	8.25	12.61	10.14	180.00	18.35	11.28	8.10	5.23	2.72	0.85	
21	0.00	21.75	8.70	13.85	9.76	132.20	17.89	11.28	7.95	5.12	2.63	0.85	
22	0.00	20.75	8.85	13.22	9.38	107.90	20.00	11.28	7.80	5.12	2.54	0.78	
23	0.00	20.75	9.19	13.85	9.19	94.30	19.75	11.28	7.65	5.01	2.45	0.71	
24	0.00	21.00	9.95	14.27	8.85	78.50	19.27	11.09	7.50	4.90	2.36	0.64	
25	0.00	21.50	10.52	14.27	8.70	62.70	18.81	11.09	7.35	4.90	2.27	0.64	
26	0.00	20.00	10.71	14.06	8.55	48.10	18.58	10.71	7.35	4.80	2.18	0.64	
27	0.00	18.12	10.71	14.06	8.40	35.70	18.35	10.52	7.20	4.70	2.09	0.57	
28	0.00	16.51	10.90	13.64	8.40	29.10	18.35	10.33	7.20	4.60	2.00	0.50	
29	0.00	14.69	10.90	12.61	8.10	24.50	17.66	10.14	7.20	4.50		0.50	
30	0.00	13.22	10.71	11.85	7.80	22.00	16.74	9.95	7.05	4.40		0.45	
31		12.23		11.85	7.50		16.28		7.05	4.30		0.40	
TOTAL	0.00	279.11	296.29	371.80	317.57	1557.70	502.11	359.97	263.03	170.34	88.35	33.05	4239.32 CMSDAY
MEAN	0.00	9.00	9.88	11.99	10.24	51.92	16.20	12.00	8.48	5.49	3.16	1.07	11.61 CMS
MAX	0.00	25.25	11.66	14.27	12.04	250.00	20.50	15.59	9.95	6.90	4.30	1.92	250.00 CMS
MIN	0.00	0.00	7.95	9.95	7.50	7.05	11.47	9.95	7.05	4.30	2.00	0.40	0.00 CMS
RUNOFF	0.000	24.115	25.599	32.124	27.438	134.585	43.382	31.101	22.726	14.717	7.633	2.856	366.277 MCM

MOMENTARY PEAK 285.10 CMS, AT 6.81 M (A.D), AT 21.00 HOURS, ON SEP 18, 1985

RUNOFF YIELD 10.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 246.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

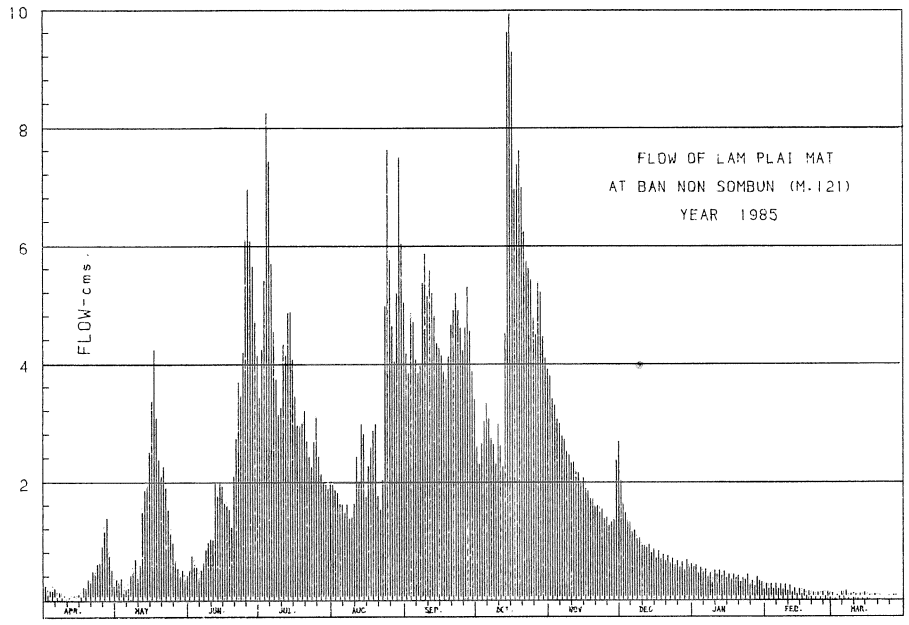
HUAI LAM PLAI MAT AT BAN NON SOMBUN, NAKHON RATCHASIMA (M.121)

LOCATION	LAT. 14-18-27 N., LONG. 102-26-22 E., ON LEFT BANK ABOUT 4 KILOMETERS UPSTREAM FROM BAN NON SOMBUN, AMPHOE SOENG SANG, NAKHON RATCHASIMA.
DRAINAGE AREA	487 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+231.55 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 46 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+243.379 M.(M.S.L.)
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 FLOAT	-
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 107 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	232.44	232.49	232.59	233.37	232.60	233.52	233.19	233.16	232.62	232.08	231.87	231.75	
2	232.41	232.52	232.65	233.52	232.60	233.44	233.10	233.07	232.50	232.05	231.87	231.74	
3	232.40	232.50	232.63	233.75	232.55	233.65	233.20	233.02	232.43	232.03	231.87	231.72	
4	232.44	232.44	232.58	234.22	232.51	233.61	233.27	232.97	232.40	232.03	231.87	231.77	
5	232.42	232.41	232.54	234.10	232.48	233.50	233.35	232.93	232.37	232.03	231.87	231.77	
6	232.39	232.46	232.56	233.79	232.46	233.44	233.28	232.89	232.34	232.01	231.87	231.77	
7	232.38	232.52	232.64	233.59	232.48	233.48	233.22	232.85	232.32	231.99	231.86	231.79	
8	232.38	232.58	232.69	233.42	232.42	233.73	233.18	232.81	232.30	231.98	231.86	231.74	
9	232.35	232.63	232.76	233.31	232.40	233.83	233.12	232.77	232.27	231.99	231.86	231.74	
10	232.32	232.54	232.75	233.32	232.51	233.69	233.26	232.75	232.25	232.00	231.85	231.75	
11	232.33	232.59	232.78	233.55	232.76	233.78	233.19	232.73	232.21	232.01	231.85	231.73	
12	232.35	232.91	233.02	233.50	233.04	233.70	233.09	232.70	232.23	232.00	231.84	231.74	
13	232.35	232.99	232.99	233.65	233.26	233.64	233.58	232.67	232.22	232.00	231.82	231.74	
14	232.35	233.03	233.02	233.64	233.24	233.54	234.43	232.63	232.19	231.99	231.81	231.74	
15	232.36	233.15	233.03	233.50	232.96	233.54	234.53	232.64	232.18	231.98	231.81	231.76	
16	232.39	233.36	232.93	233.36	233.11	233.50	234.38	232.60	232.15	231.96	231.81	231.74	
17	232.43	233.52	232.94	233.27	233.17	233.46	234.02	232.56	232.17	231.96	231.80	231.72	
18	232.46	233.30	232.90	233.25	233.25	233.42	234.08	232.54	232.15	231.96	231.79	231.72	
19	232.49	233.12	232.84	233.28	233.26	233.51	234.04	232.51	232.14	231.97	231.78	231.73	
20	232.52	233.07	233.05	233.31	232.98	233.60	233.91	232.49	232.13	231.95	231.77	231.73	
21	232.55	233.09	233.22	233.21	232.90	233.66	233.77	232.47	232.13	231.94	231.76	231.72	
22	232.58	233.02	233.41	233.13	233.05	233.70	233.64	232.46	232.12	231.93	231.76	231.69	
23	232.60	232.90	233.38	233.11	233.66	233.66	233.63	232.45	232.11	231.96	231.76	231.69	
24	232.65	232.81	233.51	233.19	234.13	233.59	233.57	232.42	232.10	231.96	231.76	231.70	
25	232.71	232.73	233.87	232.98	233.80	233.53	233.43	232.40	232.09	231.91	231.77	231.71	
26	232.82	232.64	234.01	232.76	233.61	233.59	233.34	232.38	232.08	231.90	231.78	231.73	
27	232.86	232.57	233.87	232.69	233.48	233.73	233.57	232.37	232.08	231.90	231.77	231.72	
28	232.68	232.55	233.78	232.63	233.71	233.58	233.52	232.41	232.06	231.94	231.76	231.72	
29	232.56	232.56	233.62	232.63	234.10	233.46	233.35	232.74	232.10	231.95		231.70	
30	232.50	232.53	233.50	232.57	233.86	233.35	233.24	232.86	232.08	231.89		231.71	
31		232.52		232.63	233.67		233.21		232.06	231.87		231.69	
MEAN	232.48	232.78	233.07	233.30	233.10	233.58	233.54	232.68	232.21	231.97	231.82	231.73	
MAX	232.86	233.52	234.01	234.22	234.13	233.83	234.53	233.16	232.62	232.08	231.87	231.79	234.53
MIN	232.32	232.41	232.54	232.57	232.40	233.35	233.09	232.37	232.06	231.87	231.76	231.69	231.69

ANNUAL MAX MOMENTARY GAGE HEIGHT 234.90 M (MSL), AT 18.00 HOURS, ON OCT 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 231.55 M (MSL), RIVER BED 231.34 M (MSL)
LEFT BANK ELEVATION 237.85 M (MSL)
RIGHT BANK ELEVATION 237.12 M (MSL), DRAINAGE AREA 487 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.35	0.59	3.50	1.96	4.24	2.68	3.80	2.02	0.64	0.27	0.11	
2	0.18	0.42	0.75	4.24	1.96	3.84	2.30	3.48	1.68	0.59	0.27	0.10	
3	0.16	0.37	0.69	5.48	1.82	4.93	2.72	3.30	1.48	0.55	0.27	0.08	
4	0.24	0.24	0.56	8.25	1.71	4.71	3.03	3.13	1.40	0.55	0.27	0.13	
5	0.20	0.18	0.47	7.50	1.62	4.14	3.40	2.99	1.32	0.55	0.27	0.13	
6	0.14	0.29	0.51	5.70	1.57	3.84	3.07	2.85	1.23	0.52	0.27	0.13	
7	0.13	0.42	0.72	4.61	1.62	4.04	2.81	2.72	1.18	0.48	0.26	0.15	
8	0.13	0.56	0.85	3.74	1.46	5.37	2.64	2.59	1.12	0.46	0.26	0.10	
9	0.08	0.69	1.06	3.21	1.40	5.93	2.38	2.46	1.05	0.48	0.26	0.10	
10	0.03	0.47	1.03	3.26	1.71	5.15	2.98	2.40	1.01	0.50	0.24	0.11	
11	0.05	0.59	1.12	4.40	2.43	5.65	2.68	2.34	0.92	0.52	0.24	0.09	
12	0.08	1.57	1.98	4.14	2.06	5.20	2.26	2.24	0.97	0.50	0.22	0.10	
13	0.08	1.86	1.86	4.93	2.98	4.88	4.56	2.16	0.94	0.50	0.19	0.10	
14	0.08	2.02	1.98	4.88	2.90	4.35	9.62	2.04	0.88	0.48	0.18	0.10	
15	0.10	2.51	2.02	4.14	1.75	4.35	10.28	2.07	0.86	0.46	0.18	0.12	
16	0.14	3.45	1.64	3.45	2.34	4.14	9.29	1.96	0.79	0.43	0.18	0.10	
17	0.22	4.24	1.68	3.03	2.59	3.94	7.02	1.85	0.83	0.43	0.16	0.08	
18	0.29	3.16	1.53	2.94	2.94	3.74	7.38	1.79	0.79	0.43	0.15	0.08	
19	0.35	2.38	1.32	3.07	2.98	4.19	7.68	1.71	0.77	0.45	0.14	0.09	
20	0.42	2.18	2.10	3.21	1.83	4.66	6.99	1.65	0.75	0.41	0.13	0.09	
21	0.49	2.26	2.81	2.76	1.53	4.98	6.31	1.60	0.75	0.39	0.12	0.08	
22	0.56	1.98	3.69	2.43	2.10	5.20	5.74	1.57	0.72	0.37	0.12	0.05	
23	0.61	1.53	3.54	2.34	4.98	4.98	5.69	1.54	0.70	0.43	0.12	0.05	
24	0.75	1.21	4.19	2.68	7.69	4.61	5.43	1.46	0.68	0.43	0.12	0.06	
25	0.91	0.97	6.15	3.16	5.76	4.30	4.84	1.40	0.66	0.34	0.13	0.07	
26	1.25	0.72	6.96	2.43	4.71	4.61	4.49	1.34	0.64	0.32	0.14	0.09	
27	1.39	0.54	6.15	2.21	4.04	5.37	5.43	1.32	0.64	0.32	0.13	0.08	
28	0.83	0.49	5.65	2.04	5.26	4.56	5.22	1.43	0.61	0.39	0.12	0.08	
29	0.51	0.51	4.77	2.04	7.50	3.94	4.53	2.37	0.68	0.41		0.06	
30	0.37	0.44	4.14	1.88	6.10	3.40	4.10	2.75	0.64	0.30		0.07	
31		0.42		2.04	5.04		3.98		0.61	0.27		0.05	
TOTAL	11.01	39.02	72.51	113.69	96.34	137.24	151.53	66.31	29.32	13.90	5.41	2.83	739.11 CMSDAY
MEAN	0.37	1.26	2.42	3.67	3.11	4.57	4.89	2.21	0.95	0.45	0.19	0.09	2.02 CMS
MAX	1.39	4.24	6.96	8.25	7.69	5.93	10.28	3.80	2.02	0.64	0.27	0.15	10.28 CMS
MIN	0.03	0.18	0.47	1.88	1.40	3.40	2.26	1.32	0.61	0.27	0.12	0.05	0.03 CMS
RUNOFF	0.951	3.371	6.265	9.823	8.324	11.858	13.092	5.729	2.533	1.201	0.467	0.245	63.859 MCM

MOMENTARY PEAK 12.80 CMS, AT 234.90 M (MSL), AT 18.00 HOURS, ON OCT 15, 1985

RUNOFF YIELD 4.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 26.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MUN RIVER BASIN

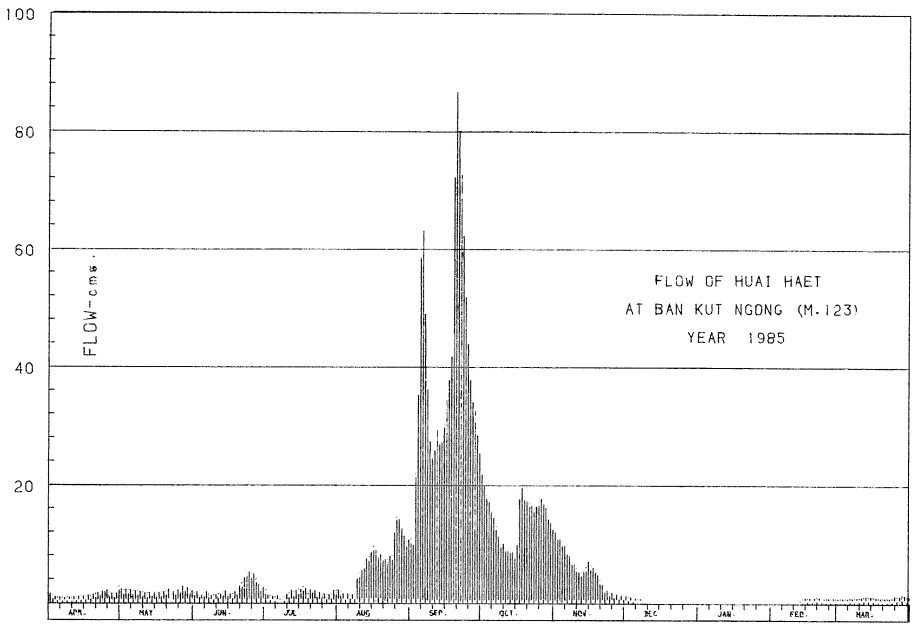
HUAI HAET AT BAN KUT NGONG, SI SA KET (M.123)

LOCATION	LAT. 15-03-53 N., LONG. 104-20-56 E., ON RIGHT BANK AT THE BRIDGE OF SI SA KET- KANTHARALAK HIGHWAY, AMPHOE MUANG, SI SA KET.
DRAINAGE AREA	387 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAY DEPARTMENT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.887 M.(A.D.)
GAGE READING FREQUENCY	3-5 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 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
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 111 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	0.81	0.75	0.77	0.78	1.77	2.66	1.88	0.57	0.35	0.35	0.49	
2	0.59	0.76	0.70	0.60	0.72	1.68	2.50	1.82	0.54	0.35	0.35	0.49	
3	0.55	0.80	0.67	0.57	0.64	2.63	2.38	1.77	0.53	0.35	0.36	0.49	
4	0.52	0.79	0.59	0.55	0.58	3.44	2.29	1.72	0.51	0.35	0.37	0.49	
5	0.53	0.78	0.67	0.53	0.64	4.55	2.19	1.67	0.48	0.35	0.37	0.49	
6	0.51	0.75	0.71	0.58	0.64	4.71	2.08	1.59	0.47	0.35	0.35	0.50	
7	0.50	0.74	0.65	0.47	0.61	4.16	1.96	1.49	0.47	0.35	0.35	0.50	
8	0.52	0.75	0.58	0.45	0.61	3.49	1.81	1.39	0.45	0.35	0.35	0.51	
9	0.52	0.72	0.60	0.53	1.05	3.03	1.70	1.34	0.43	0.35	0.34	0.51	
10	0.51	0.69	0.60	0.62	1.17	2.80	1.70	1.27	0.43	0.36	0.34	0.52	
11	0.54	0.67	0.63	0.66	1.22	2.93	1.64	1.18	0.43	0.36	0.35	0.52	
12	0.53	0.66	0.63	0.77	1.34	3.11	1.59	1.18	0.42	0.36	0.38	0.54	
13	0.55	0.68	0.71	0.70	1.44	3.00	1.62	1.21	0.41	0.36	0.43	0.56	
14	0.55	0.70	0.74	0.75	1.48	2.98	1.57	1.28	0.40	0.36	0.48	0.55	
15	0.55	0.67	0.69	0.79	1.56	3.16	1.52	1.39	0.40	0.36	0.51	0.55	
16	0.56	0.68	0.63	0.79	1.66	3.39	1.68	1.30	0.39	0.36	0.51	0.53	
17	0.59	0.69	0.64	0.87	1.60	3.61	2.37	1.28	0.38	0.36	0.51	0.52	
18	0.59	0.69	0.71	0.82	1.52	3.79	2.47	1.25	0.38	0.36	0.50	0.51	
19	0.62	0.71	0.76	0.64	1.52	5.07	2.36	1.13	0.38	0.36	0.51	0.50	
20	0.65	0.74	0.89	0.78	1.49	5.55	2.30	1.02	0.38	0.35	0.53	0.50	
21	0.68	0.79	0.95	0.81	1.43	5.34	2.28	0.92	0.38	0.35	0.52	0.50	
22	0.71	0.48	1.07	0.75	1.42	5.07	2.24	0.82	0.37	0.34	0.51	0.50	
23	0.73	0.71	1.19	0.69	1.49	4.70	2.21	0.76	0.37	0.35	0.49	0.49	
24	0.85	0.76	1.19	0.69	1.50	4.26	2.23	0.71	0.36	0.35	0.50	0.50	
25	0.78	0.77	1.15	0.66	1.87	3.91	2.29	0.68	0.36	0.35	0.50	0.58	
26	0.68	0.82	1.15	0.64	2.09	3.58	2.33	0.64	0.34	0.35	0.50	0.56	
27	0.66	0.88	1.05	0.61	2.06	3.40	2.31	0.62	0.31	0.35	0.50	0.56	
28	0.66	0.86	0.92	0.61	1.96	3.29	2.22	0.60	0.31	0.35	0.49	0.60	
29	0.66	0.84	0.87	0.63	1.82	3.09	2.11	0.59	0.31	0.35		0.59	
30	0.88	0.77	0.84	0.76	1.72	2.86	2.01	0.59	0.38	0.36		0.54	
31		0.74		0.77	1.76		1.97		0.36	0.35		0.53	
MEAN	0.61	0.74	0.80	0.67	1.34	3.61	2.08	1.17	0.41	0.35	0.44	0.52	
MAX	0.88	0.88	1.19	0.87	2.09	5.55	2.66	1.88	0.57	0.36	0.53	0.60	5.55
MIN	0.50	0.48	0.58	0.45	0.58	1.68	1.52	0.59	0.31	0.34	0.34	0.49	0.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.65 M (A.D), AT 24.00 HOURS, ON SEP 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.41 M (A.D)
LEFT BANK ELEVATION 6.71 M (A.D)
RIGHT BANK ELEVATION 6.66 M (A.D), DRAINAGE AREA 387 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.65	2.46	2.15	2.25	2.30	10.87	22.40	12.08	1.25	0.15	0.15	0.85	
2	1.35	2.20	1.90	1.40	2.00	9.88	20.00	11.42	1.10	0.15	0.15	0.85	
3	1.15	2.40	1.75	1.25	1.60	21.95	18.34	10.87	1.05	0.15	0.20	0.85	
4	1.00	2.35	1.35	1.15	1.30	35.32	17.17	10.32	0.95	0.15	0.25	0.85	
5	1.05	2.30	1.75	1.05	1.60	58.95	15.87	9.77	0.80	0.15	0.25	0.85	
6	0.95	2.15	1.95	1.30	1.60	63.06	14.46	8.91	0.75	0.15	0.15	0.90	
7	0.90	2.10	1.65	0.75	1.45	49.56	13.02	8.01	0.75	0.15	0.15	0.90	
8	1.00	2.15	1.30	0.65	1.45	36.22	11.31	7.11	0.65	0.15	0.15	0.95	
9	1.00	2.00	1.40	1.05	4.20	28.01	10.10	6.66	0.55	0.15	0.10	0.95	
10	0.95	1.85	1.40	1.50	5.16	24.50	10.10	6.03	0.55	0.20	0.10	1.00	
11	1.10	1.75	1.55	1.70	5.58	26.45	9.44	5.24	0.55	0.20	0.15	1.00	
12	1.05	1.70	1.55	2.25	6.66	29.38	8.91	5.24	0.50	0.20	0.30	1.10	
13	1.15	1.80	1.95	1.90	7.56	27.50	9.22	5.49	0.45	0.20	0.55	1.20	
14	1.15	1.90	2.10	2.15	7.92	27.20	8.73	6.12	0.40	0.20	0.80	1.15	
15	1.15	1.75	1.85	2.35	8.64	30.28	8.28	7.11	0.40	0.20	0.95	1.15	
16	1.20	1.80	1.55	2.35	9.66	34.42	9.88	6.30	0.35	0.20	0.95	1.05	
17	1.35	1.85	1.60	2.82	9.00	38.39	18.21	6.12	0.30	0.20	0.95	1.00	
18	1.35	1.85	1.95	2.52	8.28	41.81	19.58	5.85	0.30	0.20	0.90	0.95	
19	1.50	1.95	2.20	1.60	8.28	72.63	18.08	4.84	0.30	0.20	0.95	0.90	
20	1.65	2.10	2.94	2.30	8.01	86.70	17.30	3.96	0.30	0.15	1.05	0.90	
21	1.80	2.35	3.40	2.46	7.47	80.46	17.04	3.16	0.30	0.15	1.00	0.90	
22	1.95	0.80	4.36	2.15	7.38	72.63	16.52	2.52	0.25	0.10	0.95	0.90	
23	2.05	1.95	5.32	1.85	8.01	62.80	16.13	2.20	0.25	0.15	0.85	0.85	
24	2.70	2.20	5.32	1.85	8.10	51.84	16.39	1.95	0.20	0.15	0.90	0.90	
25	2.30	2.25	5.00	1.70	11.97	44.31	17.17	1.80	0.20	0.15	0.90	1.30	
26	1.80	2.52	5.00	1.60	14.58	37.84	17.69	1.60	0.10	0.15	0.90	1.20	
27	1.70	2.88	4.20	1.45	14.22	34.60	17.43	1.50	0.00	0.15	0.90	1.20	
28	1.70	2.76	3.16	1.45	13.02	32.62	16.26	1.40	0.00	0.15	0.85	1.40	
29	1.70	2.64	2.82	1.55	11.42	29.03	14.83	1.35	0.00	0.15		1.35	
30	2.88	2.25	2.64	2.20	10.32	25.40	13.62	1.35	0.30	0.20		1.10	
31		2.10		2.25	10.76		13.14		0.20	0.15		1.05	
TOTAL	44.23	65.11	77.06	54.80	219.50	1224.61	456.62	166.28	14.05	5.15	16.45	31.50	2375.36 CMSDAY
MEAN	1.47	2.10	2.57	1.77	7.08	40.82	14.73	5.54	0.45	0.17	0.59	1.02	6.51 CMS
MAX	2.88	2.88	5.32	2.82	14.58	86.70	22.40	12.08	1.25	0.20	1.05	1.40	86.70 CMS
MIN	0.90	0.80	1.30	0.65	1.30	9.88	8.28	1.35	0.00	0.10	0.10	0.85	0.00 CMS
RUNOFF	3.821	5.626	6.658	4.735	18.965	105.806	39.452	14.367	1.214	0.445	1.421	2.722	205.231 MCM

MOMENTARY PEAK 89.75 CMS, AT 5.65 M (A.D), AT 24.00 HOURS, ON SEP 19, 1985

RUNOFF YIELD 16.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 231.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

TONLE SAP BASIN

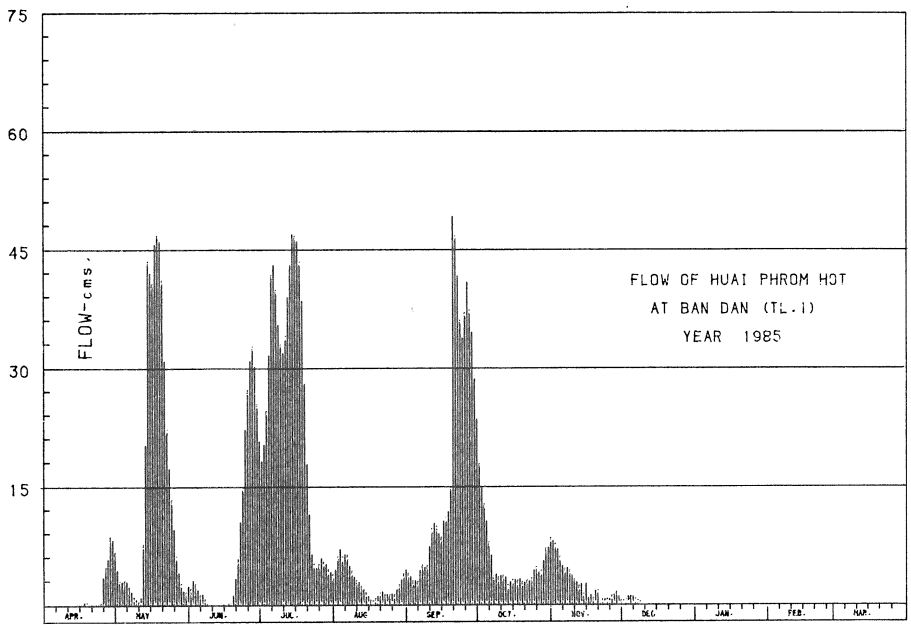
HUAI PHROM HOT AT BAN DAN, PRACHIN BURI (TL.1)

LOCATION	LAT. 13-43-12 N., LONG. 102-28-06 E., ON LEFT BANK NEAR THE BRIDGE OF PRACHIN BURI-ARANYAPRATHET HIGHWAY, ABOUT 7 KILOMETERS WEST OF ARANYAPRATHET, AMPHOE ARANYAPRATHET, PRACHIN BURI.
DRAINAGE AREA	571 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+6.02 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	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964-1965, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1964-1965, 1982 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.02	2.25	1.81	4.18	2.26	2.18	4.09	2.80	1.45	1.01	1.02	1.00	
2	1.01	1.99	2.00	4.33	2.52	2.10	3.76	2.75	1.50	1.00	1.00	1.00	
3	1.01	1.97	1.93	4.70	2.65	2.00	3.47	2.65	1.59	1.00	1.00	1.00	
4	1.01	2.00	1.76	5.23	2.52	2.00	3.16	2.52	1.60	1.00	1.00	1.00	
5	1.01	1.97	1.64	5.89	2.56	1.98	2.78	2.34	1.58	1.00	1.00	1.00	
6	1.02	1.84	1.65	5.96	2.55	2.25	2.54	2.29	1.52	1.00	1.00	1.00	
7	1.02	1.71	1.52	5.77	2.34	2.37	2.12	2.30	1.46	1.00	1.00	1.00	
8	1.02	1.58	1.39	5.49	2.24	2.31	2.16	2.25	1.41	1.00	1.00	1.00	
9	1.01	1.50	1.32	5.33	2.09	2.35	2.09	2.13	1.33	1.00	1.00	1.00	
10	1.01	1.41	1.19	5.25	2.01	2.70	2.12	2.05	1.37	1.00	1.00	1.00	
11	1.01	1.55	1.17	5.40	1.96	3.03	2.13	1.95	1.33	1.00	1.00	1.00	
12	1.02	2.75	1.14	5.71	1.86	3.12	2.08	1.87	1.27	1.00	1.00	1.00	
13	1.04	4.32	1.13	5.98	1.77	3.07	1.89	1.91	1.23	1.03	1.00	1.00	
14	1.08	5.99	1.13	6.18	1.70	2.93	1.96	1.67	1.21	1.03	1.00	1.00	
15	1.11	5.90	1.17	6.17	1.59	2.87	2.02	1.91	1.19	1.03	1.00	1.00	
16	1.06	5.82	0.19	6.13	1.48	3.16	2.02	1.67	1.17	1.02	1.00	1.00	
17	1.35	6.11	1.26	5.99	1.46	3.23	2.00	1.62	1.13	1.01	1.00	1.00	
18	1.36	6.19	1.40	5.68	1.53	3.33	2.04	1.55	1.11	1.01	1.00	1.00	
19	1.27	6.13	1.72	5.00	1.60	3.76	1.97	1.73	1.09	1.01	1.00	1.00	
20	1.14	5.85	2.05	4.08	1.69	6.30	1.95	1.75	1.10	1.01	1.00	1.00	
21	1.13	5.18	2.48	3.35	1.72	6.17	2.00	1.43	1.11	1.01	1.00	1.00	
22	1.14	4.51	3.14	2.56	1.65	5.88	1.98	1.51	1.09	1.01	1.00	1.00	
23	1.13	4.02	3.75	2.39	1.64	5.53	2.06	1.50	1.07	1.01	1.00	1.00	
24	1.27	3.55	4.50	2.30	1.65	5.38	2.25	1.52	1.04	1.01	1.00	1.00	
25	2.08	3.01	4.91	2.38	1.66	5.59	2.32	1.50	1.03	1.01	1.00	1.00	
26	2.32	2.53	5.18	2.49	1.65	5.83	2.20	1.62	1.02	1.01	1.00	1.00	
27	2.47	2.20	5.31	2.43	1.77	5.61	2.24	1.63	1.02	1.01	1.00	1.00	
28	2.88	1.93	5.13	2.38	1.91	5.43	2.44	1.72	1.00	1.01	1.00	1.00	
29	2.82	1.73	4.77	2.27	2.02	5.05	2.67	1.59	1.01	1.01		1.00	
30	2.60	1.71	4.37	2.21	2.18	4.61	2.68	1.47	1.01	1.01		1.00	
31		1.86		2.16	2.26		2.86		1.01	1.02		1.00	
MEAN	1.38	3.26	2.40	4.37	1.95	3.74	2.39	1.91	1.23	1.01	1.00	1.00	
MAX	2.88	6.19	5.31	6.18	2.65	6.30	4.09	2.80	1.60	1.03	1.02	1.00	6.30
MIN	1.01	1.41	0.19	2.16	1.46	1.98	1.89	1.43	1.00	1.00	1.00	1.00	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.38 M (A.D), AT 18.00 HOURS, ON SEP 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.01 M (A.D)
LEFT BANK ELEVATION 7.83 M (A.D)
RIGHT BANK ELEVATION 7.68 M (A.D), DRAINAGE AREA 571 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	4.40	2.15	18.80	4.46	4.00	17.91	8.10	0.55	0.01	0.02	0.00	
2	0.01	3.05	3.10	20.30	6.14	3.60	14.98	7.75	0.70	0.00	0.00	0.00	
3	0.01	2.95	2.75	24.60	7.05	3.10	12.79	7.05	1.06	0.00	0.00	0.00	
4	0.01	3.10	1.90	31.63	6.14	3.10	10.62	6.14	1.10	0.00	0.00	0.00	
5	0.01	2.95	1.30	41.84	6.42	3.00	7.96	4.94	1.02	0.00	0.00	0.00	
6	0.02	2.30	1.35	43.02	6.35	4.40	6.28	4.64	0.78	0.00	0.00	0.00	
7	0.02	1.65	0.78	39.92	4.94	5.12	3.70	4.70	0.58	0.00	0.00	0.00	
8	0.02	1.02	0.39	35.45	4.34	4.76	3.90	4.40	0.43	0.00	0.00	0.00	
9	0.01	0.70	0.32	33.08	3.55	5.00	3.55	3.75	0.33	0.00	0.00	0.00	
10	0.01	0.43	0.19	31.92	3.15	7.40	3.70	3.35	0.37	0.00	0.00	0.00	
11	0.01	0.90	0.17	34.10	2.90	9.71	3.75	2.85	0.33	0.00	0.00	0.00	
12	0.02	7.75	0.14	38.96	2.40	10.34	3.50	2.45	0.27	0.00	0.00	0.00	
13	0.04	20.20	0.13	43.36	1.95	9.99	2.55	2.65	0.23	0.03	0.00	0.00	
14	0.08	43.53	0.13	46.94	1.60	9.01	2.90	1.45	0.21	0.03	0.00	0.00	
15	0.11	42.00	0.17	46.76	1.06	8.59	3.20	2.65	0.19	0.03	0.00	0.00	
16	0.06	40.72	0.00	46.04	0.64	10.62	3.20	1.45	0.17	0.02	0.00	0.00	
17	0.35	45.68	0.26	43.53	0.58	11.11	3.10	1.20	0.13	0.01	0.00	0.00	
18	0.36	47.12	0.40	38.48	0.82	11.81	3.30	0.90	0.11	0.01	0.00	0.00	
19	0.27	46.04	1.70	28.40	1.10	14.98	2.95	1.75	0.09	0.01	0.00	0.00	
20	0.14	41.20	3.35	17.82	1.55	49.20	2.85	1.85	0.10	0.01	0.00	0.00	
21	0.13	30.91	5.86	11.95	1.70	46.76	3.10	0.49	0.11	0.01	0.00	0.00	
22	0.14	22.32	10.48	6.42	1.35	41.68	3.00	0.74	0.09	0.01	0.00	0.00	
23	0.13	17.28	14.90	5.24	1.30	36.08	3.40	0.70	0.07	0.01	0.00	0.00	
24	0.27	13.35	22.20	4.70	1.35	33.81	4.40	0.78	0.04	0.01	0.00	0.00	
25	3.50	9.57	27.23	5.18	1.40	37.04	4.82	0.70	0.03	0.01	0.00	0.00	
26	4.82	6.21	30.91	5.93	1.35	40.88	4.10	1.20	0.02	0.01	0.00	0.00	
27	5.79	4.10	32.79	5.51	1.95	37.36	4.34	1.25	0.02	0.01	0.00	0.00	
28	8.66	2.75	30.19	5.18	2.65	34.55	5.58	1.70	0.00	0.01	0.00	0.00	
29	8.24	1.75	25.44	4.52	3.20	29.08	7.19	1.06	0.01	0.01		0.00	
30	6.70	1.65	20.70	4.16	4.00	23.52	7.26	0.61	0.01	0.01		0.00	
31		2.40		3.90	4.46		8.52		0.01	0.02		0.00	
TOTAL	39.96	469.98	241.38	767.64	91.85	549.60	172.40	83.25	9.16	0.28	0.02	0.00	2425.52 CMSDAY
MEAN	1.33	15.16	8.05	24.76	2.96	18.32	5.56	2.77	0.30	0.01	0.00	0.00	6.65 CMS
MAX	8.66	47.12	32.79	46.94	7.05	49.20	17.91	8.10	1.10	0.03	0.02	0.00	49.20 CMS
MIN	0.01	0.43	0.00	3.90	0.58	3.00	2.55	0.49	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	3.453	40.606	20.855	66.324	7.936	47.485	14.895	7.193	0.791	0.024	0.002	0.000	209.565 MCM

MOMENTARY PEAK 50.72 CMS, AT 6.38 M (A.D), AT 18.00 HOURS, ON SEP 20, 1985

RUNOFF YIELD 11.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 88.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

THA CHIN RIVER BASIN

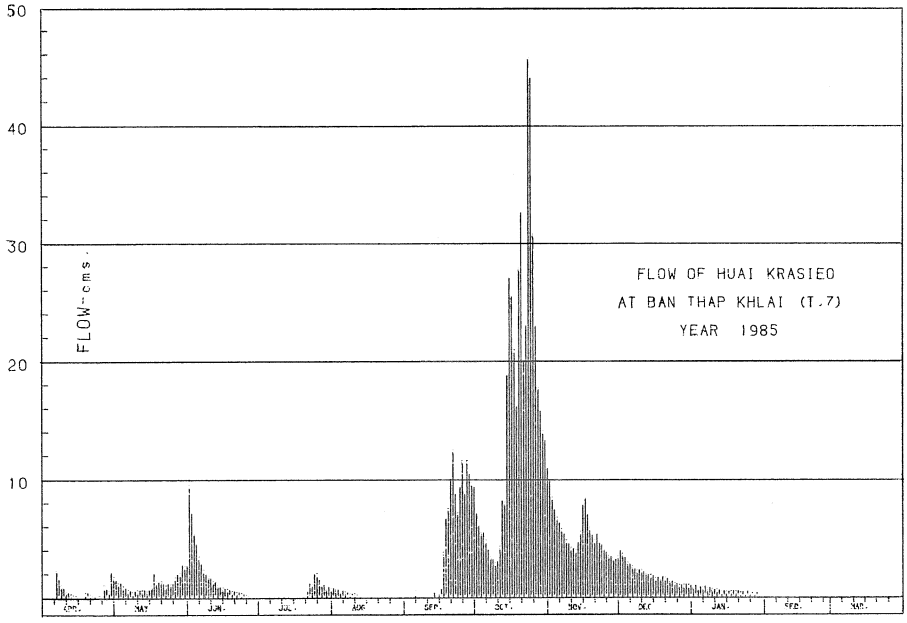
HUAI KRASIEO AT BAN THAP KHLAI, UTHAI THANI (T.7)

LOCATION	LAT. 15-03-06 N., LONG. 99-35-18 E., ON RIGHT BANK. IN THE VICINITY OF WAT THAP KHLAI AT BAN THAP KHLAI, AMPHOE BAN RAI, UTHAI THANI.
DRAINAGE AREA	607 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UNDER THE COCONUT TREE AND ABOUT 50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+3.689 M.(A.D.)
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	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
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 184 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.34	1.10	0.09	0.23	0.08	0.93	1.12	0.63	0.26	0.13	0.07	
2	0.07	0.32	0.92	0.09	0.22	0.08	0.83	1.02	0.61	0.26	0.13	0.08	
3	0.07	0.31	0.79	0.05	0.21	0.07	0.78	0.94	0.57	0.25	0.13	0.08	
4	0.07	0.27	0.69	0.05	0.21	0.07	0.78	0.89	0.52	0.24	0.13	0.08	
5	0.07	0.24	0.59	0.06	0.19	0.13	0.72	0.85	0.50	0.25	0.13	0.08	
6	0.48	0.22	0.51	0.06	0.18	0.11	0.64	0.81	0.48	0.25	0.13	0.08	
7	0.35	0.20	0.45	0.05	0.16	0.08	0.58	0.77	0.45	0.23	0.12	0.08	
8	0.29	0.19	0.40	0.07	0.15	0.08	0.55	0.72	0.44	0.23	0.12	0.08	
9	0.24	0.19	0.39	0.06	0.14	0.07	0.52	0.69	0.44	0.22	0.11	0.08	
10	0.19	0.21	0.36	0.05	0.15	0.07	0.53	0.66	0.44	0.20	0.11	0.07	
11	0.17	0.21	0.33	0.05	0.13	0.08	0.67	0.65	0.42	0.21	0.11	0.07	
12	0.15	0.21	0.32	0.05	0.13	0.09	1.00	0.64	0.42	0.19	0.10	0.07	
13	0.13	0.21	0.29	0.07	0.12	0.19	0.99	0.70	0.39	0.18	0.10	0.06	
14	0.12	0.20	0.25	0.07	0.11	0.16	1.66	0.79	0.39	0.18	0.10	0.07	
15	0.11	0.21	0.25	0.09	0.11	0.19	2.07	0.97	0.38	0.17	0.10	0.07	
16	0.10	0.28	0.23	0.10	0.11	0.21	1.99	1.03	0.36	0.17	0.09	0.07	
17	0.11	0.41	0.23	0.10	0.10	0.62	1.77	0.91	0.36	0.18	0.10	0.07	
18	0.17	0.33	0.21	0.09	0.09	0.88	1.52	0.82	0.36	0.18	0.09	0.07	
19	0.17	0.32	0.20	0.13	0.09	0.95	2.10	0.76	0.37	0.18	0.09	0.07	
20	0.14	0.33	0.19	0.14	0.09	1.13	2.31	0.72	0.36	0.18	0.09	0.08	
21	0.12	0.30	0.18	0.26	0.09	1.30	1.73	0.77	0.35	0.16	0.08	0.08	
22	0.10	0.28	0.17	0.30	0.09	1.04	1.87	0.72	0.34	0.16	0.08	0.06	
23	0.11	0.30	0.16	0.30	0.08	0.92	2.86	0.68	0.32	0.16	0.08	0.05	
24	0.12	0.30	0.14	0.40	0.08	1.08	2.79	0.66	0.30	0.17	0.08	0.04	
25	0.12	0.30	0.13	0.41	0.07	1.24	2.23	0.62	0.29	0.16	0.08	0.04	
26	0.29	0.37	0.12	0.34	0.07	1.04	1.87	0.59	0.28	0.15	0.07	0.03	
27	0.22	0.40	0.11	0.31	0.07	1.24	1.61	0.58	0.27	0.16	0.07	0.03	
28	0.21	0.42	0.10	0.28	0.07	1.16	1.50	0.57	0.28	0.15	0.07	0.02	
29	0.42	0.50	0.10	0.25	0.07	1.11	1.40	0.55	0.28	0.14		0.02	
30	0.38	0.49	0.09	0.25	0.07	1.08	1.35	0.58	0.28	0.13		0.02	
31		0.49		0.24	0.08		1.21		0.26	0.13		0.02	
MEAN	0.18	0.30	0.33	0.16	0.12	0.55	1.40	0.76	0.39	0.19	0.10	0.06	
MAX	0.48	0.50	1.10	0.41	0.23	1.30	2.86	1.12	0.63	0.26	0.13	0.08	2.86
MIN	0.07	0.19	0.09	0.05	0.07	0.07	0.52	0.55	0.26	0.13	0.07	0.02	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.15 M (A.D), AT 21.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.36 M (A.D)
LEFT BANK ELEVATION 4.91 M (A.D)
RIGHT BANK ELEVATION 4.23 M (A.D), DRAINAGE AREA 607 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	1.52	9.60	0.11	0.79	0.10	7.29	9.88	3.93	0.97	0.27	0.08	
2	0.08	1.36	7.16	0.11	0.74	0.10	6.06	8.48	3.72	0.97	0.27	0.10	
3	0.08	1.28	5.59	0.06	0.68	0.08	5.49	7.42	3.37	0.91	0.27	0.10	
4	0.08	1.03	4.55	0.06	0.68	0.08	5.49	6.78	2.96	0.85	0.27	0.10	
5	0.08	0.85	3.54	0.07	0.57	0.27	4.86	6.30	2.80	0.91	0.27	0.10	
6	2.64	0.74	2.88	0.07	0.52	0.17	4.03	5.82	2.64	0.91	0.27	0.10	
7	1.60	0.62	2.40	0.06	0.42	0.10	3.46	5.38	2.40	0.79	0.22	0.10	
8	1.14	0.57	2.00	0.08	0.37	0.10	3.21	4.86	2.32	0.79	0.22	0.10	
9	0.85	0.57	1.92	0.07	0.32	0.08	2.96	4.55	2.32	0.74	0.17	0.10	
10	0.57	0.68	1.68	0.06	0.37	0.08	3.05	4.24	2.32	0.62	0.17	0.08	
11	0.47	0.68	1.44	0.06	0.27	0.10	4.34	4.13	2.16	0.68	0.17	0.08	
12	0.37	0.68	1.36	0.06	0.27	0.11	8.20	4.03	2.16	0.57	0.12	0.08	
13	0.27	0.68	1.14	0.08	0.22	0.57	8.07	4.65	1.92	0.52	0.12	0.07	
14	0.22	0.62	0.91	0.08	0.17	0.42	18.80	5.59	1.92	0.52	0.12	0.08	
15	0.17	0.68	0.91	0.11	0.17	0.57	27.24	7.81	1.84	0.47	0.12	0.08	
16	0.12	1.08	0.79	0.12	0.17	0.68	25.49	8.62	1.68	0.47	0.11	0.08	
17	0.17	2.08	0.79	0.12	0.12	3.83	21.00	7.03	1.68	0.52	0.12	0.08	
18	0.47	1.44	0.68	0.11	0.11	6.66	16.16	5.94	1.68	0.52	0.11	0.08	
19	0.47	1.36	0.62	0.27	0.11	7.55	27.90	5.28	1.76	0.52	0.11	0.08	
20	0.32	1.44	0.57	0.32	0.11	10.02	32.63	4.86	1.68	0.52	0.11	0.10	
21	0.22	1.20	0.52	0.97	0.11	12.50	20.20	5.38	1.60	0.42	0.10	0.10	
22	0.12	1.08	0.47	1.20	0.11	8.76	23.00	4.86	1.52	0.42	0.10	0.07	
23	0.17	1.20	0.42	1.20	0.10	7.16	45.80	4.44	1.36	0.42	0.10	0.06	
24	0.22	1.20	0.32	2.00	0.10	9.32	44.05	4.24	1.20	0.47	0.10	0.05	
25	0.22	1.20	0.27	2.08	0.08	11.60	30.79	3.83	1.14	0.42	0.10	0.05	
26	1.14	1.76	0.22	1.52	0.08	8.76	23.00	3.54	1.08	0.37	0.08	0.04	
27	0.74	2.00	0.17	1.28	0.08	11.60	17.80	3.46	1.03	0.42	0.08	0.04	
28	0.68	2.16	0.12	1.08	0.08	10.44	15.80	3.37	1.08	0.37	0.08	0.02	
29	2.16	2.80	0.12	0.91	0.08	9.74	14.10	3.21	1.08	0.32		0.02	
30	1.84	2.72	0.11	0.91	0.08	9.32	13.30	3.46	1.08	0.27		0.02	
31		2.72		0.85	0.10		11.15		0.97	0.27		0.02	
TOTAL	17.78	40.00	53.27	16.08	8.18	130.87	494.72	161.44	60.40	17.94	4.35	2.26	1007.29 CMSDAY
MEAN	0.59	1.29	1.78	0.52	0.26	4.36	15.96	5.38	1.95	0.58	0.16	0.07	2.76 CMS
MAX	2.64	2.80	9.60	2.08	0.79	12.50	45.80	9.88	3.93	0.97	0.27	0.10	45.80 CMS
MIN	0.08	0.57	0.11	0.06	0.08	0.08	2.96	3.21	0.97	0.27	0.08	0.02	0.02 CMS
RUNOFF	1.536	3.456	4.603	1.389	0.707	11.307	42.744	13.948	5.219	1.550	0.376	0.195	87.030 MCM

MOMENTARY PEAK 53.10 CMS, AT 3.15 M (A.D), AT 21.00 HOURS, ON OCT 23, 1985
RUNOFF YIELD 4.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 87.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

NAKHON NAYOK RIVER BASIN

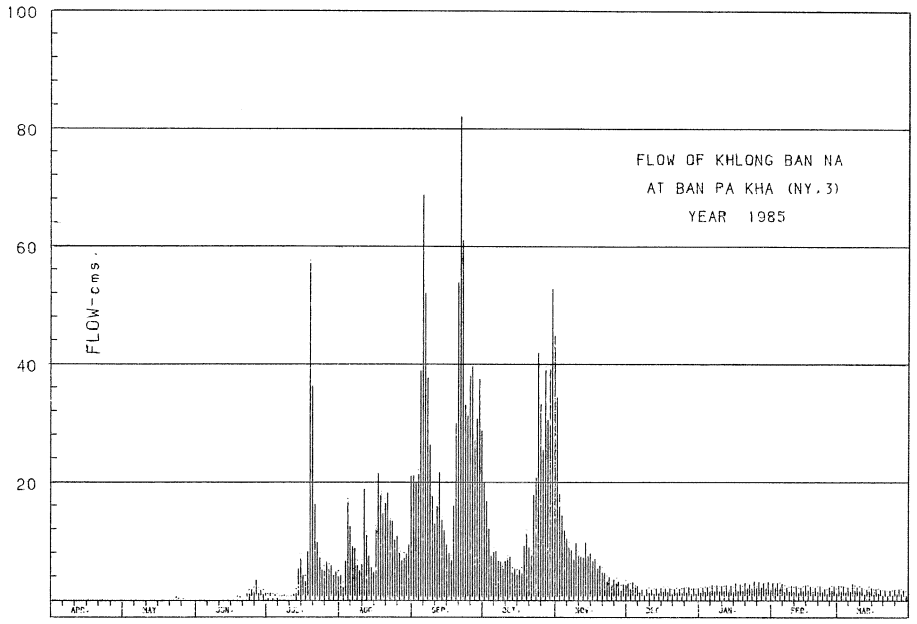
KHLONG BAN NA AT BAN PA KHA, NAKHON NAYOK (NY.3)

LOCATION	LAT. 14-17-07 N., LONG. 101-04-26 E., ON LEFT BANK NEAR WAT BAN PA KHA, TAMBON PA KHA, AMPHOE BAN NA, NAKHON NAYOK.
DRAINAGE AREA	203 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.168 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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 - 1978, 1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 - 1978, 1980.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE DURING 1977-1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.47	0.68	0.87	1.29	2.60	2.51	3.33	1.12	1.04	1.13	1.07	
2	0.48	0.47	0.59	0.88	1.15	2.47	2.27	2.39	1.12	1.03	1.13	1.06	
3	0.48	0.46	0.67	0.87	1.52	2.61	2.00	2.11	1.14	1.05	1.13	1.06	
4	0.47	0.46	0.65	0.82	2.30	3.58	1.59	1.99	1.15	1.04	1.14	1.04	
5	0.47	0.45	0.65	0.87	1.98	5.11	1.71	1.83	1.06	1.05	1.11	1.04	
6	0.47	0.48	0.68	0.79	1.79	4.28	1.66	1.78	1.03	1.08	1.08	1.05	
7	0.47	0.50	0.67	0.78	1.70	3.55	1.59	1.67	0.98	1.06	1.03	1.11	
8	0.47	0.50	0.67	0.81	1.53	2.86	1.51	1.62	0.97	1.08	1.05	1.08	
9	0.47	0.49	0.69	0.78	1.37	2.37	1.48	1.77	0.99	1.06	1.07	1.04	
10	0.47	0.47	0.68	0.77	1.54	2.01	1.52	1.66	1.03	1.06	1.05	1.06	
11	0.47	0.45	0.66	0.78	2.40	2.26	1.60	1.58	0.98	1.07	1.06	1.03	
12	0.47	0.47	0.66	0.84	1.92	2.58	1.58	1.64	1.01	1.08	1.03	1.00	
13	0.47	0.48	0.68	1.01	1.59	2.10	1.42	1.78	1.01	1.06	1.03	0.99	
14	0.47	0.52	0.70	1.40	1.50	1.93	1.40	1.66	1.02	1.07	1.06	1.06	
15	0.47	0.56	0.69	1.63	1.34	1.81	1.39	1.63	1.02	1.05	1.08	1.02	
16	0.47	0.58	0.67	1.29	1.99	1.63	1.38	1.60	1.05	1.12	1.08	1.00	
17	0.47	0.55	0.70	1.29	2.57	1.60	1.42	1.55	1.01	1.07	1.05	1.00	
18	0.47	0.50	0.77	1.65	2.38	2.22	1.73	1.49	1.05	1.10	1.05	1.01	
19	0.47	0.45	0.73	4.56	2.13	3.11	1.94	1.45	1.01	1.07	1.03	0.98	
20	0.47	0.47	0.71	3.44	2.30	4.37	1.71	1.43	1.00	1.13	1.06	0.97	
21	0.47	0.51	0.73	2.28	2.36	5.69	1.67	1.33	0.99	1.13	1.06	0.97	
22	0.47	0.53	0.85	1.78	2.10	4.72	2.34	1.28	1.03	1.10	1.04	0.95	
23	0.48	0.74	1.00	1.64	2.04	3.29	2.57	1.25	1.00	1.11	1.00	0.96	
24	0.48	0.64	0.98	1.38	1.87	3.15	3.75	1.18	1.02	1.16	1.00	0.97	
25	0.46	0.65	1.04	1.45	1.86	3.57	3.30	1.20	1.03	1.14	1.04	0.99	
26	0.47	0.59	1.19	1.51	1.70	3.62	2.81	1.24	1.04	1.15	1.07	1.00	
27	0.48	0.63	1.03	1.48	1.53	2.94	3.62	1.16	1.04	1.16	1.06	1.00	
28	0.51	0.67	0.97	1.45	1.64	3.12	3.11	1.09	1.00	1.13	1.02	1.00	
29	0.50	0.62	0.99	1.38	1.62	3.54	3.63	1.10	1.02	1.13		0.97	
30	0.48	0.64	0.87	1.35	1.81	3.00	4.32	1.19	1.01	1.15		0.95	
31		0.67		1.37	2.54		3.94		1.02	1.11		0.94	
MEAN	0.47	0.54	0.78	1.39	1.85	3.06	2.21	1.60	1.03	1.09	1.06	1.01	
MAX	0.51	0.74	1.19	4.56	2.57	5.69	4.32	3.33	1.15	1.16	1.14	1.11	5.69
MIN	0.46	0.45	0.59	0.77	1.15	1.60	1.38	1.09	0.97	1.03	1.00	0.94	0.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.79 M (A.D), AT 12.00 HOURS, ON SEP 21, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.24 M (A.D)
LEFT BANK ELEVATION 6.75 M (A.D)
RIGHT BANK ELEVATION 6.73 M (A.D), DRAINAGE AREA 203 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.17	0.46	1.17	4.26	22.00	20.56	34.37	2.86	2.22	2.94	2.46	
2	0.18	0.17	0.29	1.21	3.10	19.92	16.78	18.64	2.86	2.14	2.94	2.38	
3	0.18	0.16	0.44	1.17	6.64	22.16	12.80	14.39	3.02	2.30	2.94	2.38	
4	0.17	0.16	0.40	0.94	17.25	38.84	7.48	12.66	3.10	2.22	3.02	2.22	
5	0.17	0.15	0.40	1.17	12.52	69.32	8.93	10.46	2.38	2.30	2.78	2.22	
6	0.17	0.18	0.46	0.82	9.93	52.05	8.32	9.80	2.14	2.54	2.54	2.30	
7	0.17	0.20	0.44	0.78	8.80	38.30	7.48	8.44	1.78	2.38	2.14	2.78	
8	0.17	0.20	0.44	0.90	6.76	26.32	6.52	7.84	1.72	2.54	2.30	2.54	
9	0.17	0.19	0.48	0.78	5.05	18.33	6.19	9.68	1.84	2.38	2.46	2.22	
10	0.17	0.17	0.46	0.74	6.88	12.94	6.64	8.32	2.14	2.38	2.30	2.38	
11	0.17	0.15	0.42	0.78	18.80	16.63	7.60	7.36	1.78	2.46	2.38	2.14	
12	0.17	0.17	0.42	1.03	11.68	21.68	7.36	8.08	1.98	2.54	2.14	1.90	
13	0.17	0.18	0.46	1.98	7.48	14.25	5.56	9.80	1.98	2.38	2.14	1.84	
14	0.17	0.22	0.50	5.35	6.40	11.82	5.35	8.32	2.06	2.46	2.38	2.38	
15	0.17	0.26	0.48	7.96	4.75	10.19	5.25	7.96	2.06	2.30	2.54	2.06	
16	0.17	0.28	0.44	4.26	12.66	7.96	5.15	7.60	2.30	2.86	2.54	1.90	
17	0.17	0.25	0.50	4.26	21.52	7.60	5.56	7.00	1.98	2.46	2.30	1.90	
18	0.17	0.20	0.74	8.20	18.49	16.01	9.18	6.30	2.30	2.70	2.30	1.98	
19	0.17	0.15	0.61	57.65	14.69	30.57	11.96	5.88	1.98	2.46	2.14	1.78	
20	0.17	0.17	0.53	36.32	17.25	53.85	8.93	5.66	1.90	2.94	2.38	1.72	
21	0.17	0.21	0.61	16.94	18.18	82.61	8.44	4.65	1.84	2.94	2.38	1.72	
22	0.17	0.23	1.08	9.80	14.25	60.98	17.87	4.18	2.14	2.70	2.22	1.60	
23	0.18	0.64	1.90	8.08	13.38	33.67	21.52	3.93	1.90	2.78	1.90	1.66	
24	0.18	0.38	1.78	5.15	11.00	31.25	41.93	3.34	2.06	3.18	1.90	1.72	
25	0.16	0.40	2.22	5.88	10.86	38.66	33.85	3.50	2.14	3.02	2.22	1.84	
26	0.17	0.29	3.42	6.52	8.80	39.56	25.47	3.84	2.22	3.10	2.46	1.90	
27	0.18	0.36	2.14	6.19	6.76	27.68	39.56	3.18	2.22	3.18	2.38	1.90	
28	0.21	0.44	1.72	5.88	8.08	30.74	30.57	2.62	1.90	2.94	2.06	1.90	
29	0.20	0.34	1.84	5.15	7.84	38.12	39.74	2.70	2.06	2.94		1.72	
30	0.18	0.38	1.17	4.85	10.19	28.70	52.85	3.42	1.98	3.10		1.60	
31		0.44		5.05	21.04		45.51		2.06	2.78		1.54	
TOTAL	5.23	7.89	27.25	216.96	345.29	922.71	530.91	243.92	66.68	81.62	67.12	62.58	2578.16 CMSDAY
MEAN	0.17	0.25	0.91	7.00	11.14	30.76	17.13	8.13	2.15	2.63	2.40	2.02	7.06 CMS
MAX	0.21	0.64	3.42	57.65	21.52	82.61	52.85	34.37	3.10	3.18	3.02	2.78	82.61 CMS
MIN	0.16	0.15	0.29	0.74	3.10	7.60	5.15	2.62	1.72	2.14	1.90	1.54	0.15 CMS
RUNOFF	0.452	0.682	2.354	18.745	29.833	79.722	45.871	21.075	5.761	7.052	5.799	5.407	222.753 MCM

MOMENTARY PEAK 85.06 CMS, AT 5.79 M (A.D), AT 12.00 HOURS, ON SEP 21, 1985
RUNOFF YIELD 34.80 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 418.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

LOPBURI RIVER BASIN

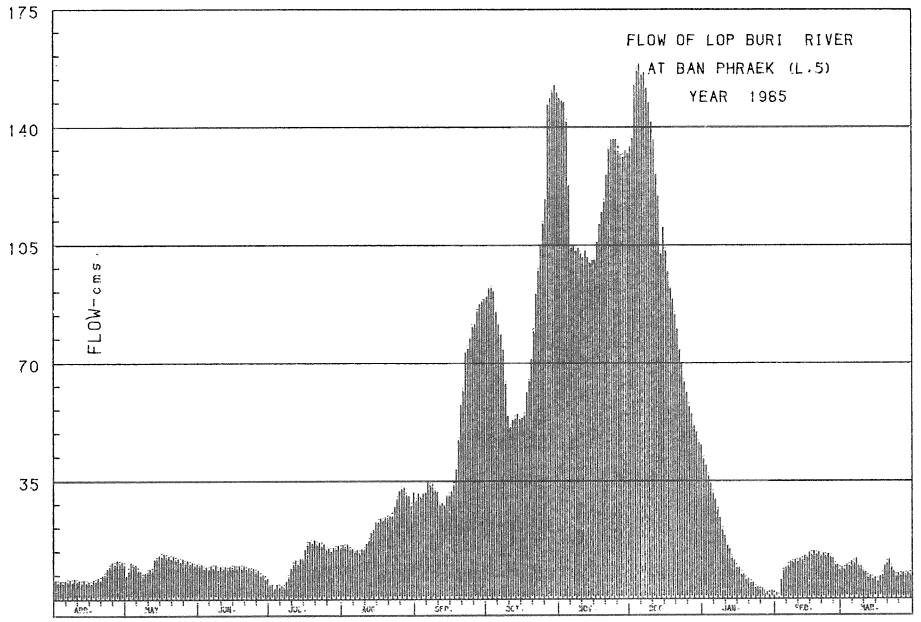
LOPBURI RIVER AT BAN PHRAEK, PHRA NAKHON SI AYUTTHAYA (L.5)

LOCATION	LAT. 14-38-40 N., LONG. 100-34-46 E., ON RIGHT BANK IN FRONT OF AMPHOE BAN PHRAEK OFFICE, AMPHOE BAN PHRAEK, PHRA NAKHON SI AYUTTHAYA.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 32 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.750 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	1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1985 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.77	1.13	0.58	1.61	2.63	4.70	5.29	5.17	3.46	0.19	1.00	
2	0.63	1.00	1.10	0.50	1.62	2.73	4.72	5.29	5.20	3.30	0.18	1.02	
3	0.61	1.15	1.05	0.46	1.62	2.71	4.73	5.28	5.32	3.14	0.63	1.07	
4	0.61	1.11	1.02	0.49	1.56	2.73	4.71	5.24	5.36	2.94	0.95	1.10	
5	0.62	1.08	1.03	0.50	1.51	2.81	4.64	5.06	5.37	2.79	0.99	1.16	
6	0.66	1.00	1.06	0.45	1.51	2.96	4.58	4.87	5.35	2.61	1.12	1.20	
7	0.65	0.90	1.08	0.48	1.48	2.95	4.55	4.87	5.35	2.42	1.16	1.24	
8	0.66	0.83	1.08	0.60	1.46	2.94	4.47	4.86	5.32	2.21	1.20	1.11	
9	0.68	0.85	1.04	0.81	1.50	2.85	4.32	4.86	5.28	2.01	1.21	1.03	
10	0.67	0.95	1.03	0.98	1.55	2.77	4.06	4.85	5.24	1.83	1.22	0.95	
11	0.63	0.96	1.04	1.16	1.64	2.55	3.96	4.83	5.19	1.65	1.24	0.86	
12	0.62	0.99	1.03	1.22	1.77	2.53	4.02	4.86	5.10	1.50	1.27	0.80	
13	0.64	1.23	1.01	1.20	1.90	2.54	4.06	4.83	5.03	1.34	1.32	0.76	
14	0.62	1.29	1.04	1.25	2.02	2.69	4.08	4.82	4.85	1.20	1.36	0.75	
15	0.60	1.34	1.07	1.30	2.12	2.75	4.05	4.82	4.93	1.08	1.41	0.70	
16	0.61	1.39	1.07	1.49	2.19	2.78	4.04	4.83	4.86	1.00	1.43	0.68	
17	0.65	1.38	1.05	1.69	2.20	2.96	4.09	4.88	4.78	0.89	1.44	0.74	
18	0.67	1.36	1.06	1.69	2.21	3.23	4.25	4.95	4.73	0.81	1.42	0.87	
19	0.71	1.33	1.07	1.73	2.23	3.78	4.33	4.98	4.68	0.74	1.41	1.04	
20	0.73	1.34	1.06	1.73	2.26	4.16	4.43	5.02	4.63	0.67	1.39	1.19	
21	0.77	1.32	1.02	1.69	2.25	4.28	4.56	5.09	4.56	0.62	1.38	1.21	
22	0.86	1.30	1.00	1.67	2.32	4.46	4.70	5.17	4.48	0.55	1.37	1.05	
23	0.97	1.26	0.99	1.67	2.45	4.49	4.79	5.19	4.41	0.46	1.36	0.89	
24	1.09	1.26	0.98	1.63	2.67	4.52	4.87	5.20	4.33	0.39	1.35	0.81	
25	1.15	1.25	0.96	1.57	2.79	4.58	4.95	5.19	4.25	0.37	1.25	0.82	
26	1.16	1.22	0.93	1.53	2.88	4.58	5.02	5.18	4.17	0.34	1.12	0.84	
27	1.21	1.20	0.86	1.53	2.86	4.64	5.28	5.15	4.08	0.29	1.06	0.84	
28	1.19	1.18	0.80	1.54	2.75	4.66	5.29	5.15	3.98	0.22	1.01	0.86	
29	1.17	1.15	0.77	1.58	2.68	4.68	5.31	5.16	3.86	0.25		0.84	
30	1.15	1.13	0.68	1.59	2.53	4.68	5.32	5.16	3.74	0.27		0.87	
31		1.11		1.60	2.76		5.31		3.66	0.24		0.86	
MEAN	0.79	1.15	1.00	1.22	2.09	3.45	4.59	5.03	4.75	1.34	1.16	0.94	
MAX	1.21	1.39	1.13	1.73	2.88	4.68	5.32	5.29	5.37	3.46	1.44	1.24	5.37
MIN	0.60	0.77	0.68	0.45	1.46	2.53	3.96	4.82	3.66	0.22	0.18	0.68	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.37 M (A.D), AT 18.00 HOURS, ON DEC 5, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.84 M (A.D)
LEFT BANK ELEVATION 5.73 M (A.D)
RIGHT BANK ELEVATION 5.75 M (A.D), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.68	6.95	10.71	5.12	16.12	29.92	90.60	148.74	134.22	42.32	1.61	9.35	
2	5.59	9.35	10.40	4.40	16.24	31.32	92.24	148.74	137.40	39.70	1.52	9.56	
3	5.40	10.92	9.87	4.04	16.24	31.04	93.06	147.48	152.54	37.23	5.59	10.09	
4	5.40	10.51	9.56	4.31	15.54	31.32	91.42	142.44	157.62	34.33	8.82	10.40	
5	5.49	10.19	9.66	4.40	14.97	32.45	86.04	122.68	158.89	32.16	9.25	11.03	
6	5.87	9.35	9.98	3.95	14.97	34.62	81.60	104.96	156.35	29.64	10.61	11.45	
7	5.77	8.30	10.19	4.22	14.62	34.47	79.50	104.96	156.35	26.98	11.03	11.89	
8	5.87	7.56	10.19	5.30	14.39	34.33	73.96	104.08	152.54	24.04	11.45	10.51	
9	6.06	7.78	9.77	7.36	14.85	33.02	64.64	104.08	147.48	21.24	11.56	9.66	
10	5.97	8.82	9.66	9.14	15.42	31.88	54.30	103.20	142.44	18.80	11.67	8.82	
11	5.59	8.93	9.77	11.03	16.48	28.80	51.64	101.44	136.34	16.60	11.89	7.88	
12	5.49	9.25	9.66	11.67	18.04	28.52	53.10	104.08	126.80	14.85	12.22	7.25	
13	5.68	11.78	9.46	11.45	19.75	28.66	54.30	101.44	119.59	13.01	12.78	6.85	
14	5.49	12.44	9.77	12.00	21.38	30.76	54.90	100.56	103.20	11.45	13.24	6.75	
15	5.30	13.01	10.09	12.55	22.78	31.60	54.00	100.56	110.27	10.19	13.81	6.25	
16	5.40	13.59	10.09	14.74	23.76	32.02	53.70	101.44	104.08	9.35	14.05	6.06	
17	5.77	13.47	9.87	17.08	23.90	34.62	55.20	105.84	97.16	8.19	14.16	6.65	
18	5.97	13.24	9.98	17.08	24.04	38.58	61.25	112.05	93.06	7.36	13.93	7.98	
19	6.35	12.90	10.09	17.56	24.32	47.85	65.21	114.72	89.08	6.65	13.81	9.77	
20	6.55	13.01	9.98	17.56	24.74	57.60	71.24	118.56	85.28	5.97	13.59	11.35	
21	6.95	12.78	9.56	17.08	24.60	62.60	80.20	125.77	80.20	5.49	13.47	11.56	
22	7.88	12.55	9.35	16.84	25.58	73.28	90.60	134.22	74.64	4.85	13.36	9.87	
23	9.03	12.11	9.25	16.84	27.40	75.32	97.98	136.34	69.88	4.04	13.24	8.19	
24	10.30	12.11	9.14	16.36	30.48	77.40	104.96	137.40	65.21	3.41	13.13	7.36	
25	10.92	12.00	8.93	15.66	32.16	81.60	112.05	136.34	61.25	3.23	12.00	7.46	
26	11.03	11.67	8.61	15.19	33.46	81.60	118.56	135.28	57.95	2.96	10.61	7.67	
27	11.56	11.45	7.88	15.19	33.17	86.04	147.48	132.10	54.90	2.51	9.98	7.67	
28	11.35	11.24	7.25	15.31	31.60	87.56	148.74	132.10	52.07	1.88	9.46	7.88	
29	11.13	10.92	6.95	15.77	30.62	89.08	151.27	133.16	49.49	2.15		7.67	
30	10.92	10.71	6.06	15.89	28.52	89.08	152.54	133.16	47.15	2.33		7.98	
31		10.51		16.00	31.74		151.27		45.75	2.06		7.88	
TOTAL	215.76	339.40	281.73	371.09	701.88	1486.94	2737.55	3627.92	3219.18	444.97	311.84	270.74	14009.00 CMSDAY
MEAN	7.19	10.95	9.39	11.97	22.64	49.56	88.31	120.93	103.84	14.35	11.14	8.73	38.38 CMS
MAX	11.56	13.59	10.71	17.56	33.46	89.08	152.54	148.74	158.89	42.32	14.16	11.89	158.89 CMS
MIN	5.30	6.95	6.06	3.95	14.39	28.52	51.64	100.56	45.75	1.88	1.52	6.06	1.52 CMS
RUNOFF	18.642	29.324	24.341	32.062	60.642	128.472	236.524	313.452	278.137	38.445	26.943	23.392	1210.378 MCM

MOMENTARY PEAK 158.89 CMS, AT 5.37 M (A.D), AT 18.00 HOURS, ON DEC 5, 1985

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

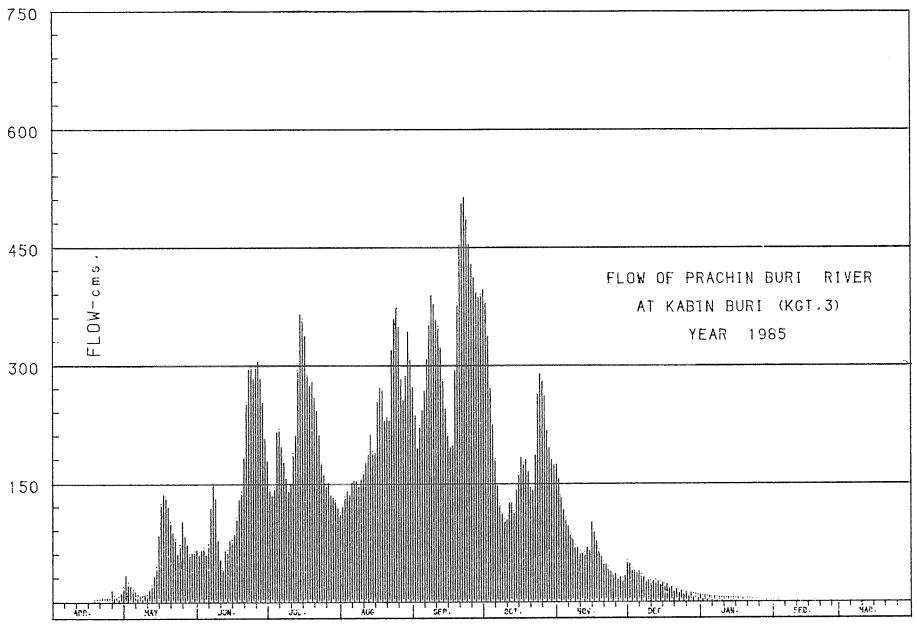
PRACHIN BURI RIVER AT KABIN BURI, PRACHIN BURI (KGT.3)

LOCATION	LAT. 13-59-05 N., LONG. 101-42-32 E., ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE AND ABOUT 500 METERS DOWNSTREAM FROM THE CONFLUENCE OF LAM PRONG AND LAM HANUMAN, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	7,502 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.49 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE.
ELEVATION	+10.795 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1941-1943, 1945, 1964 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	1.77	2.51	4.00	3.60	5.37	7.16	4.18	2.16	0.86	0.59	0.55	
2	0.40	1.53	2.54	3.84	3.83	4.75	6.61	3.86	2.02	0.84	0.58	0.54	
3	0.36	1.34	2.64	4.02	3.94	5.16	5.82	3.55	1.92	0.83	0.58	0.52	
4	0.36	1.22	2.41	5.04	3.91	5.41	5.17	3.37	1.93	0.81	0.58	0.50	
5	0.36	1.10	2.72	5.10	4.11	5.79	4.56	3.17	1.91	0.79	0.58	0.49	
6	0.38	0.96	3.58	4.77	4.20	6.24	4.05	3.00	1.81	0.78	0.57	0.47	
7	0.36	0.83	4.11	4.53	4.14	6.82	3.68	2.83	1.71	0.77	0.57	0.47	
8	0.36	0.89	3.77	4.19	4.08	7.24	3.45	2.70	1.65	0.75	0.57	0.46	
9	0.35	0.92	2.86	3.98	4.18	7.15	3.33	2.62	1.59	0.75	0.57	0.46	
10	0.35	0.98	2.27	4.09	4.32	6.87	3.31	2.54	1.58	0.73	0.58	0.46	
11	0.34	1.16	2.03	4.66	4.47	6.77	3.75	2.46	1.54	0.72	0.57	0.45	
12	0.34	1.41	2.53	4.98	4.69	6.43	3.69	2.50	1.60	0.72	0.56	0.44	
13	0.34	1.73	2.56	6.08	5.00	5.93	3.52	2.62	1.55	0.71	0.55	0.44	
14	0.34	2.08	2.80	6.96	4.70	5.44	3.96	2.63	1.53	0.71	0.54	0.43	
15	0.34	2.93	2.82	6.89	4.67	5.02	4.29	3.26	1.49	0.70	0.53	0.42	
16	0.34	3.68	2.95	6.61	5.60	4.76	4.58	3.09	1.45	0.70	0.53	0.42	
17	0.44	3.86	3.37	6.03	5.79	4.84	4.50	2.79	1.42	0.69	0.53	0.41	
18	0.62	3.84	3.76	5.82	5.79	6.06	4.54	2.58	1.36	0.68	0.52	0.40	
19	0.65	3.60	3.94	5.93	5.23	7.13	4.36	2.37	1.29	0.68	0.51	0.39	
20	0.65	3.28	4.57	5.63	5.34	7.95	4.02	2.23	1.24	0.68	0.51	0.39	
21	0.73	3.00	5.56	5.45	5.24	8.55	4.01	2.14	1.19	0.67	0.50	0.38	
22	0.67	2.84	6.08	4.99	6.43	8.60	4.62	2.06	1.17	0.67	0.49	0.41	
23	0.72	2.44	6.13	4.50	6.88	8.34	5.72	1.90	1.13	0.66	0.49	0.39	
24	0.69	2.70	5.93	4.25	7.10	7.96	6.01	1.88	1.10	0.65	0.49	0.37	
25	1.15	3.27	6.14	4.07	6.75	7.72	5.94	1.82	1.06	0.65	0.51	0.36	
26	0.91	2.97	6.21	4.10	5.97	7.49	5.65	1.75	1.04	0.64	0.65	0.37	
27	0.73	2.69	5.98	3.90	5.58	7.32	5.11	1.71	1.02	0.63	0.56	0.36	
28	0.84	2.45	5.54	3.80	6.03	7.21	4.76	1.68	0.99	0.62	0.54	0.35	
29	1.00	2.47	4.97	3.76	6.68	7.26	4.58	1.75	0.95	0.61		0.34	
30	1.35	2.53	4.51	3.58	6.28	7.32	4.44	2.25	0.92	0.60		0.34	
31		2.55		3.49	5.80		4.50		0.89	0.60		0.35	
MEAN	0.56	2.23	3.93	4.81	5.17	6.63	4.64	2.58	1.43	0.71	0.55	0.42	
MAX	1.35	3.86	6.21	6.96	7.10	8.60	7.16	4.18	2.16	0.86	0.65	0.55	8.60
MIN	0.34	0.83	2.03	3.49	3.60	4.75	3.31	1.68	0.89	0.60	0.49	0.34	0.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.62 M (MSL), AT 6.00 HOURS, ON SEP 22, 1985
ZERO GAGE AT BOTTOM ELEVATION -0.49 M (MSL), RIVER BED -0.16 M (MSL)
LEFT BANK ELEVATION 9.30 M (MSL)
RIGHT BANK ELEVATION 9.40 M (MSL), DRAINAGE AREA 7502 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.1	33.9	64.0	144.5	120.5	240.3	382.6	156.4	48.9	7.9	3.1	2.5	
2	0.5	25.8	65.3	134.9	134.3	195.3	337.8	136.1	43.4	7.6	2.9	2.4	
3	0.3	20.0	70.0	145.8	140.9	224.5	274.6	117.5	39.6	7.4	2.9	2.1	
4	0.3	16.5	59.5	215.7	139.1	243.3	225.3	107.3	39.9	7.0	2.9	1.8	
5	0.3	13.0	74.0	220.0	151.7	272.2	182.3	96.5	39.2	6.6	2.9	1.7	
6	0.4	9.9	119.3	196.7	157.8	308.2	147.8	88.0	35.4	6.4	2.8	1.4	
7	0.3	7.4	151.7	180.2	153.7	354.6	125.3	79.5	31.6	6.3	2.8	1.4	
8	0.3	8.5	130.7	157.1	149.7	389.6	111.8	73.0	29.6	5.9	2.8	1.3	
9	0.2	9.1	81.0	143.3	156.4	381.8	105.1	69.0	27.7	5.9	2.8	1.3	
10	0.2	10.3	53.5	150.4	166.0	358.6	104.0	65.3	27.4	5.5	2.9	1.3	
11	0.2	14.7	43.7	189.1	176.2	350.6	129.5	61.7	26.1	5.4	2.8	1.1	
12	0.2	22.1	64.9	211.4	191.1	323.4	125.9	63.5	28.0	5.4	2.6	1.0	
13	0.2	32.3	66.2	295.4	212.8	283.4	115.7	69.0	26.4	5.2	2.5	1.0	
14	0.2	45.6	78.0	365.8	191.8	245.5	142.1	69.5	25.8	5.2	2.4	0.9	
15	0.2	84.5	79.0	360.2	189.8	214.2	163.9	101.3	24.6	5.0	2.2	0.8	
16	0.2	125.3	85.5	337.8	257.5	196.0	183.6	92.5	23.3	5.0	2.2	0.8	
17	1.0	136.1	107.3	291.4	272.2	201.6	178.2	77.5	22.4	4.8	2.2	0.6	
18	3.6	134.9	130.1	274.6	272.2	293.8	180.9	67.1	20.6	4.6	2.1	0.5	
19	4.1	120.5	140.9	283.4	229.8	380.1	168.7	57.7	18.5	4.6	1.9	0.4	
20	4.1	102.4	183.0	259.8	238.0	453.5	145.8	51.8	17.1	4.6	1.9	0.4	
21	5.5	88.0	254.5	246.3	230.5	509.3	145.2	48.0	15.6	4.5	1.8	0.4	
22	4.5	80.0	295.4	212.1	323.4	514.0	186.4	44.9	15.0	4.5	1.7	0.6	
23	5.4	60.8	299.4	178.2	359.4	489.3	266.8	38.8	13.9	4.3	1.7	0.4	
24	4.8	73.0	283.4	161.2	377.5	454.4	289.8	38.0	13.0	4.1	1.7	0.4	
25	14.4	101.9	300.2	149.1	349.0	432.8	284.2	35.8	12.1	4.1	1.9	0.3	
26	8.9	86.5	305.8	151.0	286.6	412.1	261.4	33.1	11.6	3.9	4.1	0.4	
27	5.5	72.5	287.4	138.5	256.0	396.8	220.8	31.6	11.2	3.7	2.6	0.3	
28	7.6	61.2	253.0	132.5	291.4	386.9	196.0	30.6	10.5	3.6	2.4	0.2	
29	10.7	62.2	210.7	130.1	343.4	391.4	183.6	33.1	9.7	3.4		0.2	
30	20.3	64.9	178.9	119.3	311.4	396.8	174.1	52.6	9.1	3.2		0.2	
31		65.8		114.0	273.0		178.2		8.5	3.2		0.2	
TOTAL	105.5	1789.6	4516.3	6289.8	7103.1	10294.3	5917.4	2086.7	725.7	158.8	69.5	28.3	39085.0 CMSDAY
MEAN	3.5	57.7	150.5	202.9	229.1	343.1	190.9	69.6	23.4	5.1	2.5	0.9	107.1 CMS
MAX	20.3	136.1	305.8	365.8	377.5	514.0	382.6	156.4	48.9	7.9	4.1	2.5	514.0 CMS
MIN	0.2	7.4	43.7	114.0	120.5	195.3	104.0	30.6	8.5	3.2	1.7	0.2	0.2 CMS
RUNOFF	9.12	154.62	390.21	543.44	613.71	889.43	511.26	180.29	62.70	13.72	6.00	2.45	3376.94 MCM

MOMENTARY PEAK 515.90 CMS, AT 8.62 M (MSL), AT 6.00 HOURS, ON SEP 22, 1985

RUNOFF YIELD 14.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 68.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

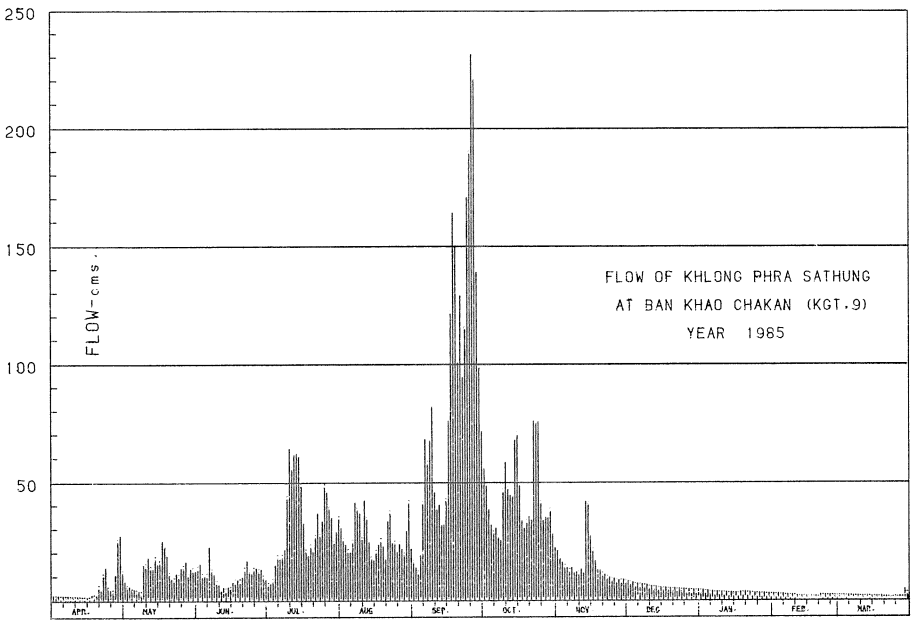
KHLONG PHRA SATHUNG AT BAN KHAO CHAKAN, PRACHIN BURI (KGT.9)

LOCATION	LAT. 13-40-10 N., LONG. 102-04-35 E., ON RIGHT BANK INFRONT OF WAT KHAO CHAKAN, BAN KHAO CHAKAN, AMPHOE SAKAEO, PRACHIN BURI.
DRAINAGE AREA	2,279 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.020 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967-1970, 1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1970
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1970
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 269 DISCHARGE MEASUREMENTS MADE DURING 1969-1970.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.82	1.26	0.79	2.07	1.40	3.16	1.60	0.84	0.54	0.38	0.31	
2	0.32	0.72	1.31	0.75	1.87	1.21	2.82	1.49	0.83	0.54	0.38	0.31	
3	0.31	0.66	1.06	0.92	1.73	1.14	2.45	1.35	0.79	0.53	0.38	0.31	
4	0.31	0.60	0.98	1.28	1.64	1.50	2.13	1.29	0.77	0.52	0.37	0.31	
5	0.30	0.57	1.07	1.51	1.56	2.55	2.01	1.21	0.76	0.49	0.37	0.30	
6	0.30	0.56	1.68	1.42	1.84	3.58	2.07	1.18	0.75	0.49	0.34	0.30	
7	0.29	0.50	1.18	1.52	2.53	3.24	1.94	1.21	0.74	0.48	0.34	0.29	
8	0.29	0.51	1.03	1.62	2.45	3.56	1.82	1.17	0.73	0.48	0.34	0.29	
9	0.28	1.29	0.85	2.65	2.34	4.11	2.77	1.10	0.72	0.47	0.33	0.29	
10	0.28	1.32	0.73	3.44	1.89	2.71	3.22	1.12	0.69	0.46	0.33	0.28	
11	0.27	1.45	0.67	3.14	2.57	2.47	2.81	1.17	0.68	0.46	0.28	0.28	
12	0.27	1.25	0.63	3.34	2.28	2.49	2.66	1.17	0.67	0.45	0.28	0.28	
13	0.26	1.18	0.61	3.41	1.78	2.18	2.69	2.55	0.66	0.44	0.28	0.28	
14	0.26	1.48	0.65	3.31	1.48	2.13	3.57	2.55	0.64	0.44	0.28	0.28	
15	0.24	1.30	0.67	2.86	1.39	2.60	3.69	1.91	0.62	0.43	0.26	0.26	
16	0.26	1.40	0.80	2.16	1.62	3.86	2.83	1.65	0.62	0.43	0.27	0.27	
17	0.33	1.81	0.89	1.63	1.73	5.33	2.27	1.38	0.62	0.43	0.27	0.27	
18	0.36	1.75	0.88	1.49	1.87	6.45	2.06	1.24	0.61	0.45	0.26	0.26	
19	0.31	1.49	0.90	1.74	1.69	6.12	2.23	1.14	0.60	0.47	0.27	0.27	
20	0.72	1.09	0.96	1.57	1.47	4.66	2.28	1.08	0.60	0.47	0.25	0.25	
21	0.52	0.90	1.23	1.94	2.20	5.55	2.29	1.03	0.60	0.46	0.33	0.25	
22	1.06	0.94	1.38	2.34	2.39	4.47	3.86	0.99	0.59	0.45	0.33	0.24	
23	1.21	1.06	1.17	1.96	1.76	5.13	3.87	0.95	0.59	0.44	0.32	0.22	
24	0.66	1.04	1.06	2.20	1.81	6.62	3.85	0.93	0.58	0.43	0.32	0.24	
25	0.53	1.20	1.22	2.85	1.57	7.11	2.56	0.91	0.58	0.42	0.32	0.25	
26	0.56	1.27	1.20	2.71	1.80	8.01	2.21	0.88	0.57	0.42	0.32	0.24	
27	1.02	1.36	1.18	2.46	1.64	7.81	2.34	0.87	0.56	0.41	0.32	0.25	
28	1.85	1.08	1.17	2.26	1.56	5.79	2.26	0.88	0.56	0.41	0.31	0.25	
29	1.92	1.18	1.01	1.81	2.01	4.63	2.43	0.88	0.55	0.40		0.56	
30	1.14	1.21	0.88	1.99	2.57	3.70	1.95	0.86	0.55	0.39		0.46	
31		1.12		2.29	1.64		1.74		0.55	0.39		0.35	
MEAN	0.56	1.10	1.01	2.11	1.90	4.07	2.61	1.26	0.65	0.45	0.32	0.29	
MAX	1.92	1.81	1.68	3.44	2.57	8.01	3.87	2.55	0.84	0.54	0.38	0.56	8.01
MIN	0.24	0.50	0.61	0.75	1.39	1.14	1.74	0.86	0.55	0.39	0.25	0.22	0.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.17 M (A.D), AT 18.00 HOURS, ON SEP 26, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.80 M (A.D)
LEFT BANK ELEVATION 10.38 M (A.D)
RIGHT BANK ELEVATION 9.89 M (A.D), DRAINAGE AREA 2279 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.32	8.08	14.76	7.66	30.74	17.20	57.06	21.12	8.36	4.48	2.88	2.23	
2	2.32	6.68	15.58	7.10	26.41	13.96	48.50	18.96	8.22	4.48	2.88	2.23	
3	2.23	5.92	11.56	9.48	23.67	12.84	39.60	16.30	7.66	4.36	2.88	2.23	
4	2.23	5.20	10.32	15.08	21.90	19.16	32.06	15.24	7.38	4.24	2.79	2.23	
5	2.13	4.84	11.72	19.36	20.34	42.00	29.42	13.96	7.24	3.91	2.79	2.13	
6	2.13	4.72	22.69	17.59	25.82	68.24	30.74	13.48	7.10	3.91	2.51	2.13	
7	2.04	4.00	13.48	19.55	41.52	59.14	27.88	13.96	6.96	3.81	2.51	2.04	
8	2.04	4.12	11.08	21.51	39.60	67.68	25.43	13.32	6.82	3.81	2.51	2.04	
9	1.95	15.24	8.50	44.40	36.96	83.30	47.28	12.20	6.68	3.72	2.41	2.04	
10	1.95	15.76	6.82	64.38	26.80	45.84	58.62	12.52	6.28	3.63	2.41	1.95	
11	1.85	18.18	6.04	56.54	42.48	40.08	48.25	13.32	6.16	3.63	1.95	1.95	
12	1.85	14.60	5.56	61.74	35.52	40.56	44.64	13.32	6.04	3.53	1.95	1.95	
13	1.76	13.48	5.32	63.57	24.65	33.16	45.36	42.00	5.92	3.44	1.95	1.95	
14	1.76	18.77	5.80	60.96	18.77	32.06	67.96	42.00	5.68	3.44	1.95	1.95	
15	1.57	15.40	6.04	49.50	17.02	43.20	71.32	27.22	5.44	3.35	1.76	1.76	
16	1.76	17.20	7.80	32.72	21.51	76.08	48.75	22.10	5.44	3.35	1.85	1.85	
17	2.41	25.24	9.06	21.71	23.67	122.82	35.28	16.84	5.44	3.35	1.85	1.85	
18	2.69	24.06	8.92	18.96	26.41	164.25	30.52	14.44	5.32	3.53	1.76	1.76	
19	2.23	18.96	9.20	23.86	22.88	151.56	34.32	12.84	5.20	3.72	1.85	1.85	
20	6.68	12.04	10.04	20.53	18.57	100.72	35.52	11.88	5.20	3.72	1.67	1.67	
21	4.24	9.20	14.28	27.88	33.60	130.45	35.76	11.08	5.20	3.63	2.41	1.67	
22	11.56	9.76	16.84	36.96	38.16	94.64	76.08	10.46	5.08	3.53	2.41	1.57	
23	13.96	11.56	13.32	28.32	24.26	116.02	76.36	9.90	5.08	3.44	2.32	1.39	
24	5.92	11.24	11.56	33.60	25.24	170.88	75.80	9.62	4.96	3.35	2.32	1.57	
25	4.36	13.80	14.12	49.25	20.53	190.42	42.24	9.34	4.96	3.25	2.32	1.67	
26	4.72	14.92	13.80	45.84	25.04	231.48	33.84	8.92	4.84	3.25	2.32	1.57	
27	10.92	16.48	13.48	39.84	21.90	221.88	36.96	8.78	4.72	3.16	2.32	1.67	
28	26.02	11.88	13.32	35.04	20.34	139.17	35.04	8.92	4.72	3.16	2.23	1.67	
29	27.44	13.48	10.76	25.24	29.42	99.76	39.12	8.92	4.60	3.07		4.72	
30	12.84	13.96	8.92	28.98	42.48	71.60	28.10	8.64	4.60	2.97		3.63	
31		12.52		35.76	21.90		23.86		4.60	2.97		2.60	
TOTAL	167.88	391.29	330.69	1022.91	848.11	2700.15	1361.67	461.60	181.90	111.19	63.76	63.52	7704.67 CMSDAY
MEAN	5.60	12.62	11.02	33.00	27.36	90.01	43.92	15.39	5.87	3.59	2.28	2.05	21.11 CMS
MAX	27.44	25.24	22.69	64.38	42.48	231.48	76.36	42.00	8.36	4.48	2.88	4.72	231.48 CMS
MIN	1.57	4.00	5.32	7.10	17.02	12.84	23.86	8.64	4.60	2.97	1.67	1.39	1.39 CMS
RUNOFF	14.505	33.807	28.572	88.379	73.277	233.293	117.648	39.882	15.716	9.607	5.509	5.488	665.684 MCM

MOMENTARY PEAK 239.16 CMS, AT 8.17 M (A.D), AT 18.00 HOURS, ON SEP 26, 1985
RUNOFF YIELD 9.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 104.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

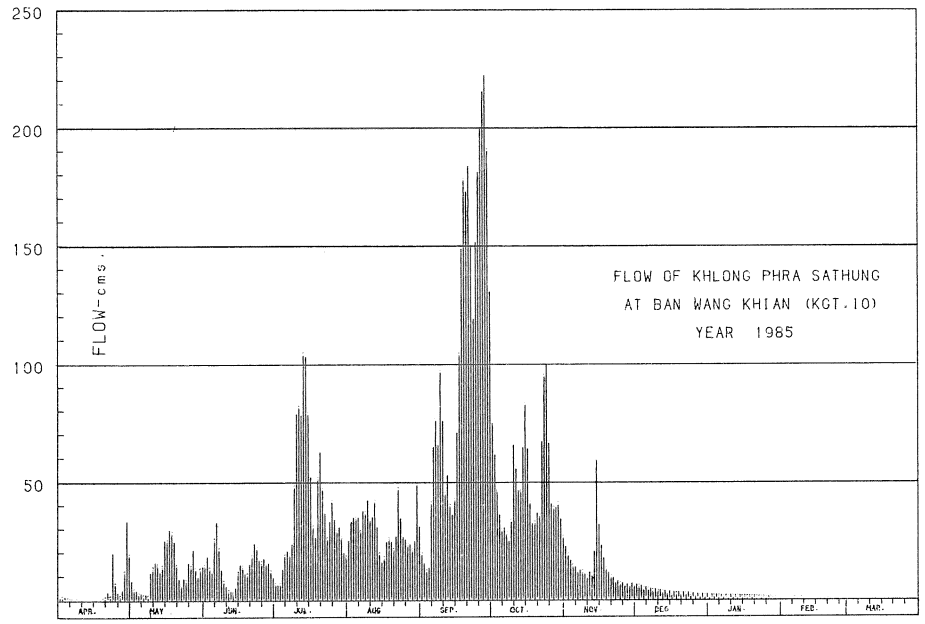
KHLONG PHRA SATHUNG AT BAN WANG KHIAN, PRACHIN BURI (KGT.10)

LOCATION	LAT. 13-48-29 N., LONG. 102-03-35 E., ON LEFT BANK NEAR SAHA CHAROEN SAWMILL, BAN WANG KHIAN, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	2,523 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+23.741 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE AUTOMATIC GAGE BUILDING.
ELEVATION	+34.652 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 34.51 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 102 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.89	25.76	26.40	25.70	27.18	26.81	30.02	27.00	25.60	25.08	24.93	24.88	
2	25.02	25.41	26.68	25.57	27.80	26.45	29.32	26.78	25.58	25.08	24.93	24.89	
3	24.96	25.31	26.32	25.69	27.84	26.22	28.55	26.55	25.54	25.07	24.93	24.88	
4	24.92	25.21	26.11	26.24	27.86	26.29	27.91	26.41	25.50	25.06	24.93	24.86	
5	24.88	25.14	27.26	26.76	27.84	28.26	27.51	26.31	25.47	25.05	24.93	24.84	
6	24.86	25.11	27.70	26.86	27.49	29.49	27.55	26.21	25.44	25.04	24.93	24.82	
7	24.84	25.08	26.97	26.80	28.02	30.07	27.43	26.20	25.40	25.04	24.93	24.82	
8	24.85	25.06	26.22	27.08	28.01	29.53	27.16	26.20	25.38	25.04	24.92	24.82	
9	24.82	26.11	25.80	28.66	28.29	30.92	27.78	26.05	25.37	25.03	24.92	24.80	
10	24.78	26.34	25.51	30.15	27.81	30.02	29.53	26.01	25.35	25.03	24.92	24.79	
11	24.76	26.48	25.38	30.31	27.86	28.49	29.08	26.12	25.33	25.03	24.90	24.80	
12	24.76	26.44	25.28	30.13	28.30	28.89	28.52	26.11	25.31	25.03	24.90	24.80	
13	24.78	26.12	25.26	31.20	27.57	28.19	28.56	26.84	25.28	25.03	24.89	24.78	
14	24.77	26.39	25.45	31.13	26.82	27.91	29.48	29.26	25.26	25.02	24.89	24.77	
15	24.78	27.19	26.17	30.19	26.48	28.34	30.36	27.63	25.25	25.01	24.87	24.77	
16	24.77	27.22	26.39	28.85	26.69	29.78	29.45	27.14	25.23	25.01	24.87	24.77	
17	24.78	27.49	26.38	27.62	27.14	31.19	28.26	26.63	25.22	25.01	24.88	24.78	
18	24.84	27.45	26.07	27.27	27.29	32.57	27.66	26.31	25.22	25.01	24.88	24.78	
19	24.91	27.14	26.10	28.86	27.15	33.42	27.73	26.11	25.21	25.00	24.87	24.77	
20	24.99	26.42	26.41	29.38	26.95	33.26	27.96	26.00	25.20	25.00	24.87	24.78	
21	25.22	25.84	26.75	28.60	27.30	33.59	27.93	25.90	25.20	24.98	24.86	24.78	
22	25.04	25.64	27.09	27.96	28.61	32.61	29.60	25.83	25.19	24.98	24.84	24.76	
23	26.79	25.87	27.00	27.28	27.81	31.72	30.85	25.76	25.18	24.97	24.84	24.75	
24	25.70	25.83	26.56	27.72	27.36	32.65	31.01	25.70	25.16	24.97	24.84	24.73	
25	25.19	26.46	26.53	28.30	27.22	33.52	29.62	25.68	25.14	24.96	24.84	24.73	
26	25.08	26.38	26.62	27.78	27.11	34.00	28.19	25.63	25.12	24.95	24.89	24.74	
27	25.34	26.89	26.51	27.49	27.08	34.42	28.13	25.61	25.11	24.95	24.90	24.75	
28	26.19	26.29	26.46	27.57	26.95	34.57	28.10	25.61	25.11	24.94	24.89	24.76	
29	27.73	25.93	26.21	27.32	27.17	33.76	28.24	25.65	25.10	24.94		24.78	
30	26.77	26.29	25.91	26.80	28.71	32.04	27.79	25.63	25.10	24.94		25.24	
31		26.33		26.72	27.58		27.32		25.09	24.94		25.01	
MEAN	25.20	26.15	26.32	28.00	27.53	30.63	28.60	26.30	25.28	25.01	24.89	24.81	
MAX	27.73	27.49	27.70	31.20	28.71	34.57	31.01	29.26	25.60	25.08	24.93	25.24	34.57
MIN	24.76	25.06	25.26	25.57	26.48	26.22	27.16	25.61	25.09	24.94	24.84	24.73	24.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 34.63 M (MSL), AT 6.00 HOURS, ON SEP 28, 1985
ZERO GAGE AT BOTTOM ELEVATION 23.74 M (MSL), RIVER BED 24.31 M (MSL)
LEFT BANK ELEVATION 34.51 M (MSL)
RIGHT BANK ELEVATION 34.71 M (MSL), DRAINAGE AREA 2523 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.04	8.10	15.10	7.50	25.22	20.23	75.94	22.70	6.60	2.36	1.31	0.98	
2	1.94	4.89	18.54	6.33	34.50	15.70	61.50	19.84	6.42	2.36	1.31	1.04	
3	1.52	3.99	14.14	7.41	35.10	12.94	46.85	16.90	6.06	2.29	1.31	0.98	
4	1.24	3.27	11.71	13.18	35.40	13.78	36.15	15.22	5.70	2.22	1.31	0.86	
5	0.98	2.78	26.40	19.58	35.10	41.92	30.15	14.02	5.43	2.15	1.31	0.74	
6	0.86	2.57	33.00	20.88	29.85	64.90	30.75	12.82	5.16	2.08	1.31	0.62	
7	0.74	2.36	22.31	20.10	37.84	77.04	28.95	12.70	4.80	2.08	1.31	0.62	
8	0.80	2.22	12.94	23.82	37.67	65.70	24.94	12.70	4.62	2.08	1.24	0.62	
9	0.62	11.71	8.50	48.78	42.43	97.54	34.20	11.05	4.53	2.01	1.24	0.50	
10	0.40	14.38	5.79	78.85	34.65	75.94	65.70	10.61	4.35	2.01	1.24	0.45	
11	0.30	16.06	4.62	82.53	35.40	45.83	56.70	11.82	4.17	2.01	1.10	0.50	
12	0.30	15.58	3.76	78.39	42.60	53.01	46.34	11.71	3.99	2.01	1.10	0.50	
13	0.40	11.82	3.62	105.10	31.05	40.73	47.02	20.62	3.76	2.01	1.04	0.40	
14	0.35	14.98	5.25	103.21	20.36	36.15	64.70	60.30	3.62	1.94	1.04	0.35	
15	0.40	25.36	12.37	79.77	16.06	43.28	83.68	31.95	3.55	1.87	0.92	0.35	
16	0.35	25.80	14.98	52.25	18.67	70.88	64.10	24.66	3.41	1.87	0.92	0.35	
17	0.40	29.85	14.86	31.80	24.66	104.83	41.92	17.89	3.34	1.87	0.98	0.40	
18	0.74	29.25	11.27	26.55	26.85	148.75	32.40	14.02	3.34	1.87	0.98	0.40	
19	1.17	24.66	11.60	52.44	24.80	178.82	33.45	11.71	3.27	1.80	0.92	0.35	
20	1.73	15.34	15.22	62.70	22.05	173.06	36.90	10.50	3.20	1.80	0.92	0.40	
21	3.34	8.90	19.45	47.70	27.00	184.94	36.45	9.50	3.20	1.66	0.86	0.40	
22	2.08	6.96	23.96	36.90	47.88	150.15	67.10	8.80	3.13	1.66	0.74	0.30	
23	19.97	9.20	22.70	26.70	34.65	120.32	95.70	8.10	3.06	1.59	0.74	0.25	
24	7.50	8.80	17.02	33.30	27.90	151.55	99.97	7.50	2.92	1.59	0.74	0.15	
25	3.13	15.82	16.66	42.60	25.80	182.42	67.52	7.32	2.78	1.52	0.74	0.15	
26	2.36	14.86	17.76	34.20	24.24	200.20	40.73	6.87	2.64	1.45	1.04	0.20	
27	4.26	21.27	16.42	29.85	23.82	216.58	39.71	6.69	2.57	1.45	1.10	0.25	
28	12.59	13.78	15.82	31.05	22.05	222.43	39.20	6.69	2.57	1.38	1.04	0.30	
29	33.45	9.80	12.82	27.30	25.08	191.22	41.58	7.05	2.50	1.38		0.40	
30	19.71	13.78	9.60	20.10	49.68	130.62	34.35	6.87	2.50	1.38		0.25	
31		14.26		19.06	31.20		27.30		2.43	1.38		0.05	
TOTAL	124.67	402.40	438.19	1269.93	949.56	3131.46	1531.95	439.13	119.62	57.13	29.81	14.11	8507.96 CMSDAY
MEAN	4.16	12.98	14.61	40.97	30.63	104.38	49.42	14.64	3.86	1.84	1.06	0.46	23.31 CMS
MAX	33.45	29.85	33.00	105.10	49.68	222.43	99.97	60.30	6.60	2.36	1.31	1.04	222.43 CMS
MIN	0.30	2.22	3.62	6.33	16.06	12.94	24.94	6.69	2.43	1.38	0.74	0.05	0.05 CMS
RUNOFF	10.771	34.767	37.860	109.722	82.042	270.558	132.360	37.941	10.335	4.936	2.576	1.219	735.088 MCM

MOMENTARY PEAK 224.77 CMS, AT 34.63 M (MSL), AT 6.00 HOURS, ON SEP 28, 1985

RUNOFF YIELD 9.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 89.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

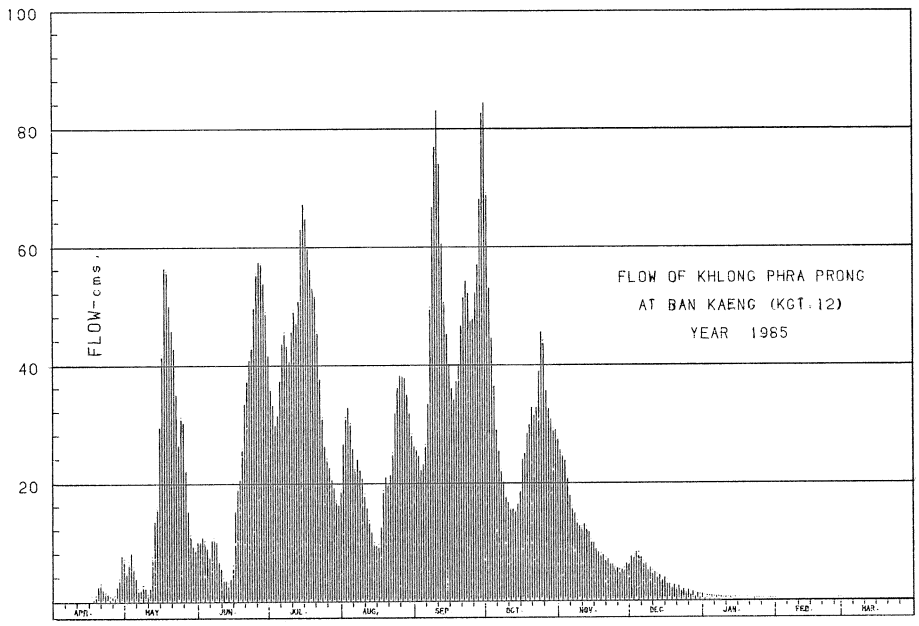
KHLONG PHRA PRONG AT BAN KAENG, PRACHIN BURI (KGT.12)

LOCATION	LAT. 13-56-02 N., LONG. 101-58-41 E., ON LEFT BANK NEAR THE RAILWAY STATION AT BAN KAENG AND ABOUT 200 METERS UPSTREAM FROM THOT SAPHON SAWMILL, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	1,540 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 20 METERS FROM THE GAGE SITE.
ELEVATION	+9.505 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	1.05	1.51	2.86	2.38	2.35	4.46	2.33	1.30	0.58	0.36	0.45	
2	0.22	1.25	1.53	2.71	2.61	2.28	3.70	2.30	1.33	0.56	0.36	0.37	
3	0.21	1.35	1.50	2.56	2.69	2.18	3.30	2.24	1.36	0.54	0.36	0.34	
4	0.21	1.18	1.41	2.62	2.56	2.21	2.87	2.11	1.36	0.54	0.36	0.32	
5	0.20	0.98	1.34	2.94	2.34	2.38	2.52	1.94	1.29	0.53	0.35	0.31	
6	0.20	0.80	1.50	3.23	2.17	2.72	2.32	1.84	1.24	0.52	0.35	0.32	
7	0.23	0.72	1.53	3.33	2.25	3.54	2.17	1.77	1.21	0.52	0.35	0.34	
8	0.24	0.86	1.48	3.21	2.18	4.35	2.06	1.70	1.16	0.51	0.36	0.41	
9	0.24	0.78	1.27	3.10	2.09	4.83	1.95	1.64	1.15	0.49	0.36	0.35	
10	0.24	0.64	1.14	3.33	1.96	5.09	1.88	1.64	1.11	0.49	0.36	0.31	
11	0.28	0.77	1.00	3.52	1.82	4.70	1.84	1.66	1.08	0.48	0.34	0.31	
12	0.27	1.31	0.94	3.40	1.70	4.07	1.81	1.64	1.05	0.48	0.33	0.32	
13	0.27	1.69	0.90	3.61	1.58	3.58	1.82	1.58	1.03	0.46	0.32	0.31	
14	0.27	1.84	0.97	4.18	1.48	3.31	1.86	1.51	0.99	0.46	0.32	0.29	
15	0.25	2.52	1.20	4.39	1.44	3.08	2.00	1.47	0.99	0.45	0.31	0.27	
16	0.25	3.14	1.79	4.26	1.46	2.85	2.25	1.44	0.94	0.45	0.31	0.26	
17	0.36	3.87	2.02	4.05	1.63	2.78	2.33	1.36	0.86	0.45	0.30	0.26	
18	0.60	3.85	2.08	3.86	1.99	2.91	2.47	1.35	0.85	0.45	0.30	0.25	
19	0.82	3.55	2.35	3.72	2.10	3.08	2.57	1.32	0.84	0.45	0.30	0.25	
20	0.90	3.36	2.72	3.63	2.05	3.38	2.69	1.29	0.82	0.43	0.29	0.24	
21	0.73	3.19	2.93	3.34	2.12	3.64	2.65	1.27	0.82	0.42	0.29	0.24	
22	0.68	2.82	3.09	2.93	2.31	3.76	2.69	1.24	0.77	0.40	0.29	0.23	
23	0.62	2.37	3.21	2.61	2.64	3.68	3.02	1.20	0.73	0.40	0.29	0.23	
24	0.56	2.61	3.53	2.36	2.88	3.42	3.33	1.16	0.73	0.40	0.30	0.23	
25	0.52	2.56	3.83	2.26	2.96	3.46	3.26	1.14	0.71	0.41	0.34	0.22	
26	0.59	2.18	3.92	2.18	2.98	3.66	2.83	1.13	0.69	0.41	0.33	0.22	
27	0.81	1.79	3.92	2.10	2.94	3.92	2.70	1.12	0.67	0.40	0.42	0.22	
28	0.99	1.56	3.74	2.01	2.82	4.41	2.59	1.15	0.64	0.40	0.45	0.24	
29	1.32	1.43	3.50	1.90	2.64	5.09	2.51	1.21	0.62	0.39		0.23	
30	1.28	1.42	3.13	1.85	2.47	5.15	2.50	1.24	0.61	0.39		0.35	
31		1.48		2.00	2.36		2.44		0.60	0.38		0.32	
MEAN	0.49	1.90	2.17	3.03	2.25	3.53	2.56	1.53	0.95	0.46	0.34	0.29	
MAX	1.32	3.87	3.92	4.39	2.98	5.15	4.46	2.33	1.36	0.58	0.45	0.45	5.15
MIN	0.20	0.64	0.90	1.85	1.44	2.18	1.81	1.12	0.60	0.38	0.29	0.22	0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.27 M (A.D), AT 24.00 HOURS, ON SEP 29, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.27 M (A.D)
LEFT BANK ELEVATION 9.14 M (A.D)
RIGHT BANK ELEVATION 9.44 M (A.D), DRAINAGE AREA 1540 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	4.55	10.47	36.20	26.60	26.00	69.18	25.60	7.50	1.01	0.34	0.58	
2	0.02	6.85	10.81	33.20	31.20	24.60	53.00	25.00	7.89	0.92	0.34	0.38	
3	0.01	8.15	10.30	30.20	32.80	22.60	45.00	23.80	8.28	0.83	0.34	0.26	
4	0.01	5.97	8.95	31.40	30.20	23.20	36.40	21.20	8.28	0.83	0.34	0.18	
5	0.00	3.87	8.02	37.80	25.80	26.60	29.40	17.86	7.37	0.78	0.30	0.14	
6	0.00	2.35	10.30	43.60	22.40	33.40	25.40	16.08	6.72	0.74	0.30	0.18	
7	0.03	1.83	10.81	45.60	24.00	49.80	22.40	14.89	6.33	0.74	0.30	0.26	
8	0.04	2.83	10.00	43.20	22.60	66.75	20.20	13.70	5.74	0.69	0.34	0.52	
9	0.04	2.22	7.11	41.00	20.80	77.37	18.05	12.68	5.62	0.64	0.34	0.30	
10	0.04	1.34	5.51	45.60	18.24	83.13	16.76	12.68	5.17	0.64	0.34	0.14	
11	0.08	2.15	4.05	49.40	15.74	74.49	16.08	13.02	4.85	0.62	0.26	0.14	
12	0.07	7.63	3.51	47.00	13.70	60.55	15.57	12.68	4.55	0.62	0.22	0.18	
13	0.07	13.53	3.15	51.20	11.66	50.60	15.74	11.66	4.35	0.59	0.18	0.14	
14	0.07	16.08	3.78	62.98	10.00	45.20	16.42	10.47	3.96	0.59	0.18	0.09	
15	0.05	29.40	6.20	67.63	9.40	40.60	19.00	9.85	3.96	0.58	0.14	0.07	
16	0.05	41.80	15.23	64.75	9.70	36.00	24.00	9.40	3.51	0.58	0.14	0.06	
17	0.34	56.40	19.40	60.11	12.51	34.60	25.60	8.28	2.83	0.58	0.10	0.06	
18	1.10	56.00	20.60	56.20	18.81	37.20	28.40	8.15	2.75	0.58	0.10	0.05	
19	2.51	50.00	26.00	53.40	21.00	40.60	30.40	7.76	2.67	0.58	0.10	0.05	
20	3.15	46.20	33.40	51.60	20.00	46.60	32.80	7.37	2.51	0.55	0.09	0.04	
21	1.90	42.80	37.60	45.80	21.40	51.80	32.00	7.11	2.51	0.53	0.09	0.04	
22	1.58	35.40	40.80	37.60	25.20	54.20	32.80	6.72	2.15	0.50	0.09	0.03	
23	1.22	26.40	43.20	31.20	31.80	52.60	39.40	6.20	1.90	0.50	0.09	0.03	
24	0.92	31.20	49.60	26.20	36.60	47.40	45.60	5.74	1.90	0.50	0.10	0.03	
25	0.74	30.20	55.60	24.20	38.20	48.20	44.20	5.51	1.77	0.52	0.26	0.02	
26	1.05	22.60	57.40	22.60	38.60	52.20	35.60	5.39	1.64	0.52	0.22	0.02	
27	2.43	15.23	57.40	21.00	37.80	57.40	33.00	5.28	1.52	0.50	0.53	0.02	
28	3.96	11.32	53.80	19.20	35.40	68.07	30.80	5.62	1.34	0.50	0.58	0.04	
29	7.76	9.25	49.00	17.10	31.80	83.13	29.20	6.33	1.22	0.46		0.03	
30	7.24	9.10	41.60	16.25	28.40	84.45	29.00	6.72	1.16	0.46		0.30	
31		10.00		19.00	26.20		27.80		1.10	0.42		0.18	
TOTAL	36.51	602.65	713.60	1232.22	748.56	1499.34	939.20	342.75	123.05	19.10	6.75	4.56	6268.29 CMSDAY
MEAN	1.22	19.44	23.79	39.75	24.15	49.98	30.30	11.43	3.97	0.62	0.24	0.15	17.17 CMS
MAX	7.76	56.40	57.40	67.63	38.60	84.45	69.18	25.60	8.28	1.01	0.58	0.58	84.45 CMS
MIN	0.00	1.34	3.15	16.25	9.40	22.60	15.57	5.28	1.10	0.42	0.09	0.02	0.00 CMS
RUNOFF	3.154	52.069	61.655	106.464	64.676	129.543	81.147	29.614	10.632	1.650	0.583	0.394	541.580 MCM

MOMENTARY PEAK 87.11 CMS, AT 5.27 M (A.D), AT 24.00 HOURS, ON SEP 29, 1985
RUNOFF YIELD 11.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 56.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

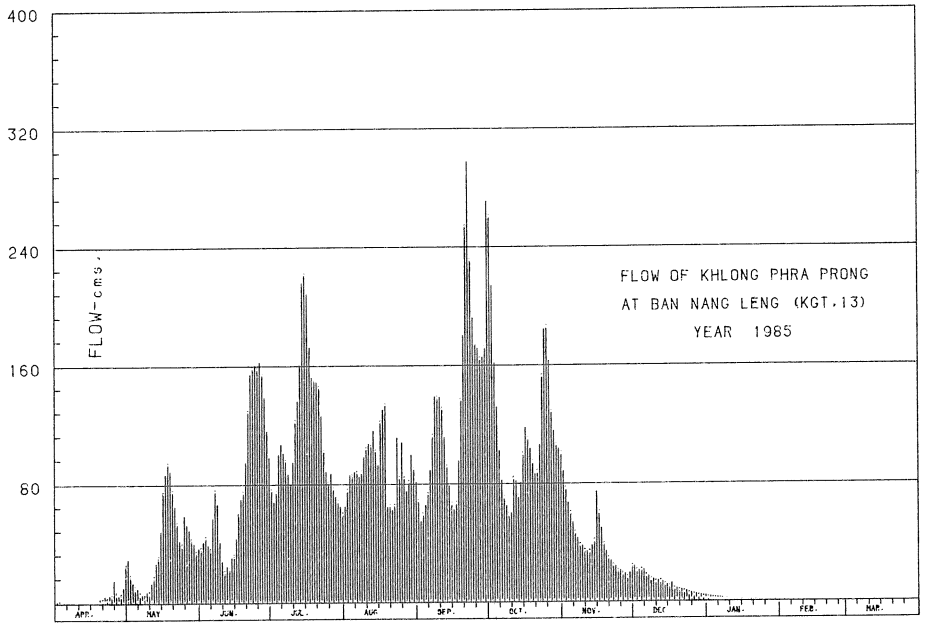
KHLONG PHRA PRONG AT BAN NANG LENG, PRACHIN BURI (KGT.13)

LOCATION	LAT. 13-58-04 N., LONG. 101-44-20 E., ON LEFT BANK ABOUT 40 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AT BAN NANG LENG, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	5,347 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.165 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+10.712 M. (M.S.L.)
GAGE READING FREQUENCY	3-5 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 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1971-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1971-1976, 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 35 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.24	2.95	3.28	4.55	4.19	5.75	8.52	4.86	2.70	1.50	1.21	1.19	
2	1.27	2.46	3.40	4.29	4.55	5.14	7.65	4.58	2.61	1.47	1.20	1.17	
3	1.13	2.17	3.53	4.52	4.80	5.39	6.67	4.27	2.56	1.45	1.19	1.16	
4	1.17	2.07	3.33	5.15	4.81	5.58	5.94	4.07	2.63	1.44	1.18	1.13	
5	1.23	1.95	3.26	5.37	4.85	5.93	5.26	3.82	2.58	1.42	1.17	1.11	
6	1.18	1.80	3.93	5.17	4.87	6.51	4.71	3.63	2.44	1.40	1.17	1.10	
7	1.19	1.65	4.54	5.07	4.77	7.19	4.41	3.47	2.36	1.38	1.17	1.10	
8	1.15	1.67	4.25	4.82	4.88	7.82	4.20	3.35	2.31	1.36	1.17	1.09	
9	1.13	1.80	3.46	4.69	5.10	7.83	4.04	3.29	2.26	1.36	1.17	1.08	
10	1.12	1.85	2.90	5.02	5.27	7.81	4.04	3.20	2.22	1.35	1.17	1.10	
11	1.12	2.16	2.59	5.74	5.33	7.64	4.77	3.15	2.21	1.34	1.17	1.11	
12	1.12	2.42	2.73	6.05	5.31	7.13	4.69	3.18	2.24	1.32	1.17	1.09	
13	1.11	2.83	2.70	6.64	5.55	6.62	4.43	3.30	2.17	1.32	1.15	1.08	
14	1.12	3.05	3.00	7.69	5.23	6.11	4.66	3.45	2.13	1.31	1.14	1.08	
15	1.10	3.64	3.10	7.81	4.97	5.66	5.18	4.48	2.06	1.30	1.13	1.07	
16	1.10	4.50	3.48	7.55	5.72	5.46	5.59	4.08	2.05	1.29	1.12	1.06	
17	1.17	4.82	4.04	6.88	5.90	5.69	5.44	3.69	2.12	1.29	1.12	1.06	
18	1.26	5.02	4.35	6.41	6.01	6.71	5.24	3.37	1.96	1.29	1.12	1.05	
19	1.41	4.87	4.51	6.40	5.53	7.79	5.04	3.15	1.90	1.29	1.12	1.05	
20	1.45	4.53	5.02	6.34	5.60	8.63	4.81	3.00	1.88	1.28	1.11	1.04	
21	1.58	4.20	5.90	6.29	5.45	9.27	4.88	2.89	1.84	1.27	1.10	1.05	
22	1.51	3.85	6.46	5.80	5.62	9.37	5.30	2.78	1.83	1.26	1.10	1.04	
23	1.62	3.42	6.58	5.23	7.13	9.16	6.45	2.70	1.78	1.25	1.10	1.03	
24	1.69	3.37	6.60	4.86	6.37	8.80	7.08	2.60	1.74	1.24	1.09	1.02	
25	2.26	3.99	6.56	4.69	7.05	8.56	7.14	2.56	1.70	1.24	1.12	1.02	
26	1.81	3.87	6.64	4.83	6.36	8.49	6.65	2.50	1.67	1.23	1.15	1.02	
27	1.61	3.66	6.48	4.58	5.96	8.39	5.89	2.45	1.63	1.23	1.13	1.02	
28	1.75	3.48	6.11	4.40	6.26	8.39	5.54	2.39	1.60	1.22	1.13	1.01	
29	2.00	3.36	5.59	4.32	6.83	8.52	5.33	2.48	1.57	1.22		1.02	
30	2.81	3.17	5.10	4.19	6.57	8.69	5.24	2.76	1.55	1.21		1.02	
31		3.25		4.06	6.21		5.19		1.53	1.21		1.02	
MEAN	1.41	3.16	4.45	5.46	5.58	7.33	5.48	3.32	2.06	1.31	1.15	1.07	
MAX	2.81	5.02	6.64	7.81	7.13	9.37	8.52	4.86	2.70	1.50	1.21	1.19	9.37
MIN	1.10	1.65	2.59	4.06	4.19	5.14	4.04	2.39	1.53	1.21	1.09	1.01	1.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.39 M (MSL), AT 6.00 HOURS, ON SEP 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.16 M (MSL), RIVER BED 0.57 M (MSL)
LEFT BANK ELEVATION 14.27 M (MSL)
RIGHT BANK ELEVATION 14.75 M (MSL), DRAINAGE AREA 5347 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.10	29.25	37.50	76.75	64.70	69.75	261.60	88.40	24.00	3.45	0.87	0.75	
2	1.33	19.20	41.00	67.70	76.75	54.80	213.75	77.80	22.20	3.15	0.80	0.65	
3	0.45	13.40	44.90	75.70	86.00	60.75	163.65	67.10	21.20	2.95	0.75	0.60	
4	0.65	11.46	38.90	100.00	86.40	65.50	131.60	61.10	22.60	2.85	0.70	0.45	
5	1.02	9.45	37.00	108.80	88.00	74.25	104.40	53.60	21.60	2.65	0.65	0.35	
6	0.70	7.20	56.90	100.80	88.80	89.30	82.40	47.90	18.80	2.45	0.65	0.30	
7	0.75	5.20	76.40	96.80	84.80	113.60	71.85	43.10	17.20	2.27	0.65	0.30	
8	0.55	5.44	66.50	86.80	89.20	138.80	65.00	39.50	16.20	2.09	0.65	0.27	
9	0.45	7.20	42.80	81.65	98.00	139.20	60.20	37.75	15.20	2.09	0.65	0.24	
10	0.40	7.95	28.00	94.80	104.80	138.40	60.20	35.50	14.40	2.00	0.65	0.30	
11	0.40	13.20	21.80	123.60	107.20	131.60	84.80	34.25	14.20	1.91	0.65	0.35	
12	0.40	18.40	24.60	136.00	106.40	111.20	81.65	35.00	14.80	1.73	0.65	0.27	
13	0.35	26.60	24.00	162.30	116.00	92.60	72.55	38.00	13.40	1.73	0.55	0.24	
14	0.40	31.75	30.50	215.95	103.20	78.75	80.60	42.50	12.60	1.64	0.50	0.24	
15	0.30	48.20	33.00	222.55	92.80	67.50	101.20	74.30	11.28	1.55	0.45	0.21	
16	0.30	75.00	43.40	208.25	122.80	62.50	117.60	61.40	11.10	1.48	0.40	0.18	
17	0.65	86.80	60.20	174.00	130.00	68.25	111.60	49.70	12.40	1.48	0.40	0.18	
18	1.25	94.80	69.75	151.95	134.40	95.35	103.60	40.10	9.60	1.48	0.40	0.15	
19	2.55	88.80	75.35	151.50	64.25	137.60	95.60	34.25	8.70	1.48	0.40	0.15	
20	2.95	76.05	94.80	148.80	66.00	180.10	86.40	30.50	8.40	1.40	0.35	0.12	
21	4.37	65.00	130.00	146.55	62.25	254.80	89.20	27.80	7.80	1.33	0.30	0.15	
22	3.56	54.50	154.20	126.00	66.50	297.70	106.00	25.60	7.65	1.25	0.30	0.12	
23	4.84	41.60	159.60	103.20	111.20	232.00	153.75	24.00	6.92	1.17	0.30	0.09	
24	5.68	40.10	160.50	88.40	85.25	192.00	184.00	22.00	6.36	1.10	0.27	0.06	
25	15.20	58.70	158.70	81.65	108.00	175.60	187.00	21.20	5.80	1.10	0.40	0.06	
26	7.35	55.10	162.30	87.20	85.00	171.40	162.75	20.00	5.44	1.02	0.55	0.06	
27	4.72	48.80	155.10	77.80	75.00	165.40	129.60	19.00	4.96	1.02	0.45	0.06	
28	6.50	43.40	138.45	71.50	82.50	165.40	115.60	17.80	4.60	0.95	0.45	0.03	
29	10.20	39.80	117.60	68.70	99.55	173.20	107.20	19.60	4.25	0.95		0.06	
30	26.20	34.75	98.00	64.70	91.10	270.95	103.60	25.20	4.02	0.87		0.06	
31		36.75		60.80	81.25		101.60		3.79	0.87		0.06	
TOTAL	105.57	1193.85	2381.75	3561.20	2858.10	4068.25	3590.55	1213.95	371.47	53.46	14.79	7.11	19420.05 CMSDAY
MEAN	3.52	38.51	79.39	114.88	92.20	135.61	115.82	40.47	11.98	1.72	0.53	0.23	53.21 CMS
MAX	26.20	94.80	162.30	222.55	134.40	297.70	261.60	88.40	24.00	3.45	0.87	0.75	297.70 CMS
MIN	0.30	5.20	21.80	60.80	62.25	54.80	60.20	17.80	3.79	0.87	0.27	0.03	0.03 CMS
RUNOFF	9.121	103.149	205.783	307.688	246.940	351.497	310.224	104.885	32.095	4.619	1.278	0.614	1677.892 MCM

MOMENTARY PEAK 307.90 CMS, AT 9.39 M (MSL), AT 6.00 HOURS, ON SEP 22, 1985

RUNOFF YIELD 9.95 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 57.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

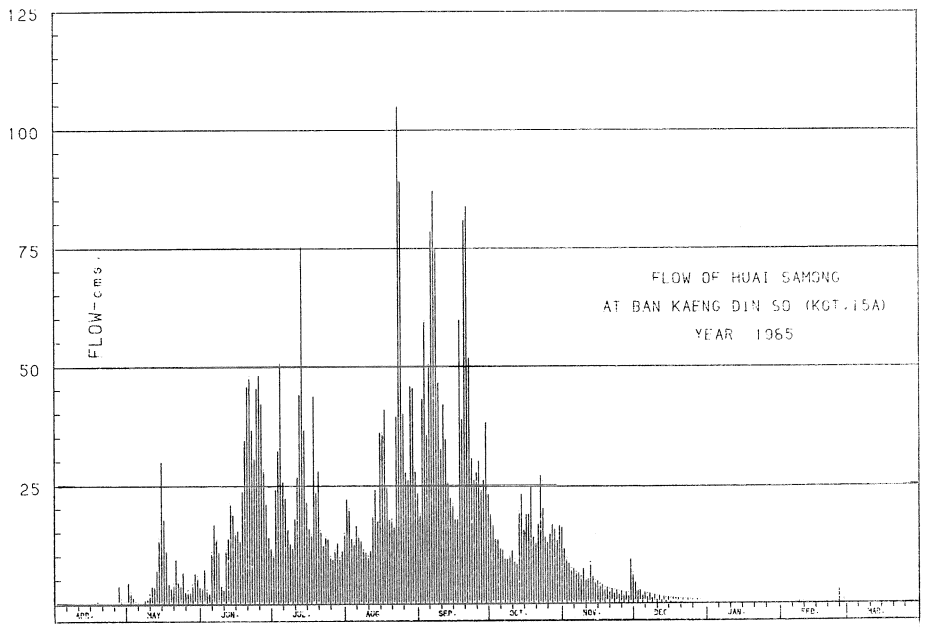
HUAI SAMONG AT BAN KAENG DIN SO, PRACHIN BURI (KGT.15A)

LOCATION	LAT. 14-03-46 N., LONG. 101-55-39 E., ON RIGHT BANK AT BAN KAENG DIN SO ABOUT 1 KILOMETERS UPSTREAM FROM THE KGT.15 STATION, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	530 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE AND NEAR THE RAIN GAGE.
ELEVATION	+9.615 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 160 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	1.19	1.14	1.58	2.12	1.99	2.01	1.62	1.17	0.73	0.63	0.62	
2	0.50	1.02	1.38	2.20	2.04	2.89	1.87	1.52	1.07	0.73	0.62	0.60	
3	0.50	0.84	1.07	2.54	1.73	3.38	1.76	1.45	1.02	0.72	0.62	0.58	
4	0.50	0.73	0.95	3.12	1.70	2.64	1.72	1.39	0.99	0.72	0.62	0.57	
5	0.51	0.68	1.60	2.29	1.87	3.11	1.66	1.38	0.96	0.71	0.61	0.57	
6	0.52	0.64	1.89	2.13	1.77	3.88	1.61	1.34	0.95	0.70	0.61	0.57	
7	0.52	0.62	1.75	1.86	1.71	4.11	1.54	1.32	0.93	0.69	0.61	0.57	
8	0.50	0.85	1.59	1.68	1.62	3.78	1.50	1.28	0.91	0.69	0.77	0.57	
9	0.50	0.78	1.17	1.66	1.58	3.01	1.56	1.38	0.89	0.69	0.69	0.57	
10	0.50	0.97	1.04	1.94	1.55	2.53	1.60	1.25	0.87	0.68	0.64	0.57	
11	0.50	1.12	1.63	2.33	1.60	2.87	1.51	1.23	0.86	0.68	0.62	0.57	
12	0.51	1.18	1.74	2.92	1.98	2.61	1.44	1.47	0.85	0.68	0.61	0.57	
13	0.50	1.37	2.10	3.81	2.20	2.28	2.01	1.27	0.84	0.68	0.60	0.56	
14	0.50	1.75	1.98	2.68	1.94	2.13	2.16	1.21	0.83	0.67	0.59	0.55	
15	0.52	2.44	1.81	2.12	2.66	2.08	1.85	1.20	0.82	0.67	0.59	0.54	
16	0.58	1.96	1.82	1.84	2.66	1.93	1.98	1.15	0.80	0.67	0.59	0.54	
17	0.64	1.60	1.74	1.79	2.82	1.96	2.01	1.13	0.80	0.67	0.59	0.54	
18	0.69	1.21	2.19	2.91	2.24	3.38	2.24	1.09	0.78	0.66	0.58	0.54	
19	0.62	1.08	2.63	2.20	1.93	2.77	1.78	1.08	0.78	0.66	0.57	0.54	
20	0.57	1.19	2.97	2.36	1.94	3.94	1.68	1.06	0.78	0.66	0.57	0.53	
21	0.54	1.51	3.04	1.83	1.85	4.03	1.92	1.05	0.77	0.66	0.57	0.53	
22	0.52	1.24	2.68	1.66	2.79	3.15	2.32	1.04	0.77	0.65	0.57	0.53	
23	0.54	1.12	2.48	1.77	4.54	2.48	2.06	1.02	0.76	0.65	0.57	0.55	
24	0.65	1.38	2.96	1.73	4.16	2.28	1.75	1.01	0.75	0.64	0.57	0.56	
25	0.66	1.00	3.06	1.55	2.79	2.37	1.73	1.00	0.74	0.64	1.03	0.56	
26	0.68	1.06	2.86	1.50	2.37	2.44	1.78	0.97	0.74	0.64	0.71	0.55	
27	1.13	0.98	2.38	1.62	2.28	2.22	1.91	0.97	0.74	0.64	0.75	0.56	
28	0.82	1.17	2.08	1.69	2.99	2.28	1.83	0.97	0.74	0.63	0.66	0.55	
29	0.72	1.33	1.78	1.53	2.96	2.75	1.74	1.50	0.73	0.63		0.55	
30	0.73	1.31	1.63	1.60	2.38	2.16	1.87	1.33	0.73	0.63		0.55	
31		1.10		1.80	2.17		1.89		0.73	0.63		0.53	
MEAN	0.59	1.17	1.97	2.07	2.29	2.78	1.82	1.22	0.84	0.67	0.63	0.56	
MAX	1.13	2.44	3.06	3.81	4.54	4.11	2.32	1.62	1.17	0.73	1.03	0.62	4.54
MIN	0.50	0.62	0.95	1.50	1.55	1.93	1.44	0.97	0.73	0.63	0.57	0.53	0.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.86 M (A.D), AT 15.00 HOURS, ON AUG 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.20 M (A.D)
LEFT BANK ELEVATION 11.59 M (A.D)
RIGHT BANK ELEVATION 9.47 M (A.D), DRAINAGE AREA 530 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.17	4.58	3.98	10.73	22.00	19.03	19.47	11.48	4.34	0.75	0.35	0.32	
2	0.00	2.72	7.28	24.00	20.15	43.18	16.40	9.62	3.21	0.75	0.32	0.25	
3	0.00	1.38	3.21	32.78	13.60	59.80	14.20	8.43	2.72	0.70	0.32	0.20	
4	0.00	0.75	2.16	50.78	13.00	35.54	13.40	7.44	2.45	0.70	0.32	0.17	
5	0.02	0.53	11.10	26.25	16.40	50.44	12.24	7.28	2.23	0.65	0.29	0.17	
6	0.05	0.39	16.80	22.25	14.40	78.50	11.29	6.64	2.16	0.60	0.29	0.17	
7	0.05	0.32	14.00	16.20	13.20	87.65	9.99	6.32	2.02	0.57	0.29	0.17	
8	0.00	1.45	10.92	12.62	11.48	74.75	9.25	5.74	1.87	0.57	0.95	0.17	
9	0.00	1.00	4.34	12.24	10.73	47.09	10.36	7.28	1.73	0.57	0.57	0.17	
10	0.00	2.30	2.91	17.90	10.17	32.51	11.10	5.35	1.59	0.53	0.39	0.17	
11	0.00	3.74	11.67	27.25	11.10	42.54	9.43	5.09	1.52	0.53	0.32	0.17	
12	0.02	4.46	13.80	44.15	18.80	34.69	8.26	8.76	1.45	0.53	0.29	0.17	
13	0.00	7.12	21.50	75.87	24.00	26.00	19.47	5.61	1.38	0.53	0.25	0.15	
14	0.00	14.00	18.80	36.68	17.90	22.25	23.00	4.83	1.31	0.50	0.22	0.13	
15	0.05	30.08	15.20	22.00	36.11	21.05	16.00	4.70	1.24	0.50	0.22	0.10	
16	0.20	18.35	15.40	15.80	36.11	17.67	18.80	4.10	1.10	0.50	0.22	0.10	
17	0.39	11.10	13.80	14.80	40.94	18.35	19.47	3.86	1.10	0.50	0.22	0.10	
18	0.57	4.83	23.75	43.83	25.00	59.80	25.00	3.40	1.00	0.46	0.20	0.10	
19	0.32	3.30	35.26	24.00	17.67	39.38	14.60	3.30	1.00	0.46	0.17	0.10	
20	0.17	4.58	45.78	28.00	17.90	80.85	12.62	3.11	1.00	0.46	0.17	0.07	
21	0.10	9.43	48.09	15.60	16.00	84.45	17.45	3.01	0.95	0.46	0.17	0.07	
22	0.05	5.22	36.68	12.24	40.00	51.80	27.00	2.91	0.95	0.42	0.17	0.07	
23	0.10	3.74	31.16	14.40	104.95	31.16	20.60	2.72	0.90	0.42	0.17	0.13	
24	0.42	7.28	45.45	13.60	89.65	26.00	14.00	2.62	0.85	0.39	0.17	0.15	
25	0.46	2.52	48.76	10.17	40.00	28.25	13.60	2.52	0.80	0.39	2.81	0.15	
26	0.53	3.11	42.22	9.25	28.25	30.08	14.60	2.30	0.80	0.39	0.65	0.13	
27	3.86	2.38	28.50	11.48	26.00	24.50	17.22	2.30	0.80	0.39	0.85	0.15	
28	1.24	4.34	21.05	12.81	46.43	26.00	15.60	2.30	0.80	0.35	0.46	0.13	
29	0.70	6.48	14.60	9.80	45.45	38.78	13.80	9.25	0.75	0.35		0.13	
30	0.75	6.16	11.67	11.10	28.50	23.00	16.40	6.48	0.75	0.35		0.13	
31		3.50		15.00	23.25		16.80		0.75	0.35		0.07	
TOTAL	10.22	171.14	619.84	693.58	879.14	1255.09	481.42	158.75	45.52	15.62	11.82	4.46	4346.60 CMSDAY
MEAN	0.34	5.52	20.66	22.37	28.36	41.84	15.53	5.29	1.47	0.50	0.42	0.14	11.91 CMS
MAX	3.86	30.08	48.76	75.87	104.95	87.65	27.00	11.48	4.34	0.75	2.81	0.32	104.95 CMS
MIN	0.00	0.32	2.16	9.25	10.17	17.67	8.26	2.30	0.75	0.35	0.17	0.07	0.00 CMS
RUNOFF	0.883	14.786	53.554	59.925	75.958	108.440	41.595	13.716	3.933	1.350	1.021	0.385	375.546 MCM

MOMENTARY PEAK 118.55 CMS, AT 4.86 M (A.D), AT 15.00 HOURS, ON AUG 23, 1985

RUNOFF YIELD 22.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 223.68 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

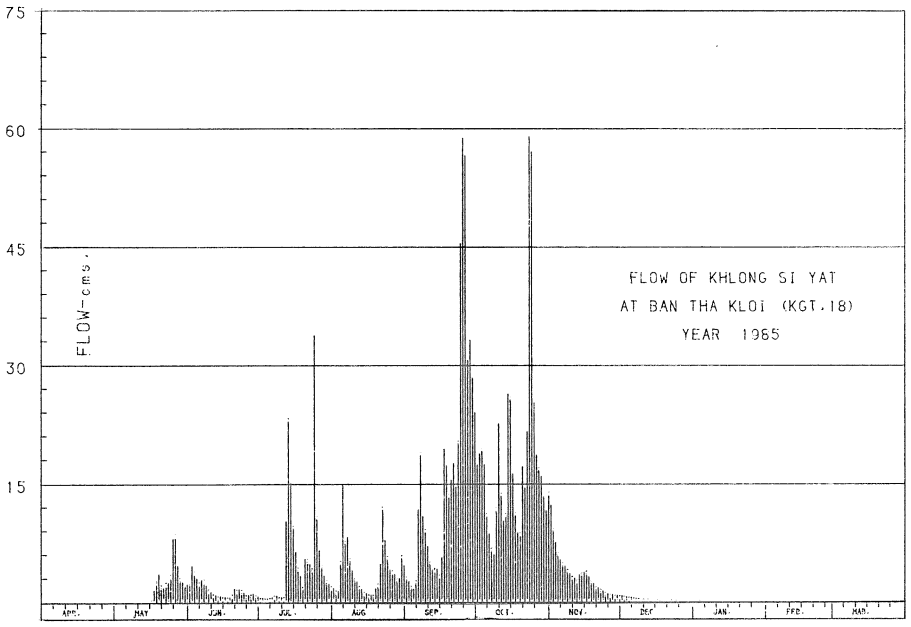
KHLONG SI YAT AT BAN THA KLOI, CHACHOENGSAO (KGT.18)

LOCATION	LAT. 13-28-29 N., LONG. 101-37-44 E., ON LEFT BANK AT BAN THA KLOI, AMPHOE SANAM CHAI KHET, CHACHOENGSAO.
DRAINAGE AREA	951 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	UNDER THE COCONUT TREE INFRONT OF THE STATION OFFICE.
ELEVATION	+7.213 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 141 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.69	0.69	1.53	1.04	1.34	1.62	2.92	2.53	1.11	0.83	0.75	0.74	
2	0.69	0.69	1.80	1.03	1.29	1.51	2.99	2.28	1.09	0.83	0.75	0.73	
3	0.68	0.69	1.72	1.01	1.27	1.40	3.03	2.11	1.07	0.82	0.75	0.71	
4	0.68	0.69	1.60	1.01	1.86	1.32	2.90	1.98	1.05	0.81	0.75	0.70	
5	0.68	0.69	1.50	1.03	2.73	1.54	2.44	1.88	1.04	0.81	0.75	0.71	
6	0.68	0.69	1.56	1.05	2.13	2.48	2.22	1.83	1.02	0.80	0.74	0.70	
7	0.67	0.69	1.57	1.13	2.18	3.00	2.04	1.79	1.01	0.80	0.74	0.70	
8	0.67	0.70	1.42	1.12	1.90	2.41	1.95	1.74	0.99	0.80	0.74	0.71	
9	0.66	0.70	1.32	1.07	1.73	2.27	2.50	1.68	0.97	0.79	0.73	0.72	
10	0.65	0.81	1.25	1.06	1.60	2.06	3.22	1.63	0.96	0.79	0.73	0.72	
11	0.65	0.81	1.19	1.07	1.51	1.85	2.65	1.60	0.95	0.78	0.74	0.71	
12	0.64	0.79	1.15	2.36	1.40	1.74	2.36	1.56	0.95	0.78	0.74	0.71	
13	0.63	0.78	1.11	3.26	1.32	1.76	2.44	1.66	0.93	0.78	0.74	0.71	
14	0.62	0.92	1.10	2.74	1.25	1.75	3.42	1.70	0.92	0.79	0.74	0.70	
15	0.61	0.90	1.08	2.31	1.21	1.66	3.40	1.70	0.92	0.79	0.74	0.69	
16	0.60	0.88	1.07	1.99	1.17	1.91	2.82	1.72	0.91	0.78	0.74	0.69	
17	0.62	1.29	1.05	1.77	1.15	3.05	2.45	1.62	0.90	0.78	0.75	0.69	
18	0.63	1.53	1.05	1.64	1.16	2.89	2.23	1.52	0.90	0.78	0.75	0.68	
19	0.62	1.68	1.18	1.38	1.33	2.64	2.23	1.46	0.89	0.79	0.75	0.67	
20	0.62	1.43	1.33	1.89	1.46	2.77	2.88	1.38	0.88	0.79	0.74	0.67	
21	0.61	1.35	1.31	1.89	1.82	2.93	2.73	1.35	0.89	0.77	0.74	0.66	
22	0.60	1.50	1.32	1.82	2.51	2.71	3.16	1.31	0.87	0.77	0.74	0.65	
23	0.60	1.49	1.31	1.76	2.14	3.09	4.87	1.27	0.87	0.77	0.73	0.65	
24	0.60	1.67	1.23	3.79	1.93	4.31	4.78	1.23	0.86	0.77	0.72	0.64	
25	0.59	2.16	1.16	2.41	1.74	4.86	3.38	1.20	0.86	0.77	0.75	0.63	
26	0.60	2.22	1.15	2.01	1.73	4.76	2.98	1.17	0.85	0.76	0.74	0.63	
27	0.61	1.80	1.18	1.81	1.67	3.65	2.87	1.16	0.85	0.77	0.74	0.63	
28	0.61	1.61	1.20	1.64	1.58	3.76	2.80	1.14	0.85	0.77	0.74	0.62	
29	0.64	1.50	1.15	1.54	1.60	3.54	2.64	1.13	0.85	0.76		0.61	
30	0.70	1.48	1.09	1.45	1.94	3.30	2.47	1.12	0.84	0.76		0.60	
31		1.45		1.39	1.80		2.66		0.84	0.76		0.59	
MEAN	0.64	1.17	1.29	1.69	1.66	2.62	2.85	1.58	0.93	0.79	0.74	0.68	
MAX	0.70	2.22	1.80	3.79	2.73	4.86	4.87	2.53	1.11	0.83	0.75	0.74	4.87
MIN	0.59	0.69	1.05	1.01	1.15	1.32	1.95	1.12	0.84	0.76	0.72	0.59	0.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.38 M (A.D), AT 3.00 HOURS, ON OCT 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.13 M (A.D)
LEFT BANK ELEVATION 7.42 M (A.D)
RIGHT BANK ELEVATION 6.99 M (A.D), DRAINAGE AREA 951 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.09	2.75	0.62	1.80	3.24	17.80	12.36	0.83	0.23	0.15	0.14	
2	0.09	0.09	4.70	0.59	1.55	2.65	18.85	9.38	0.77	0.23	0.15	0.13	
3	0.08	0.09	3.98	0.53	1.45	2.10	19.48	7.60	0.71	0.22	0.15	0.11	
4	0.08	0.09	3.10	0.53	5.24	1.70	17.50	6.32	0.65	0.21	0.15	0.10	
5	0.08	0.09	2.60	0.59	14.95	2.80	11.28	5.42	0.62	0.21	0.15	0.11	
6	0.08	0.09	2.90	0.65	7.80	11.76	8.72	4.97	0.56	0.20	0.14	0.10	
7	0.07	0.09	2.95	0.89	8.30	19.00	6.90	4.61	0.53	0.20	0.14	0.10	
8	0.07	0.10	2.20	0.86	5.60	10.92	6.05	4.16	0.48	0.20	0.14	0.11	
9	0.06	0.10	1.70	0.71	4.07	9.27	12.00	3.66	0.44	0.19	0.13	0.12	
10	0.05	0.21	1.35	0.68	3.10	7.10	22.64	3.31	0.42	0.19	0.13	0.12	
11	0.05	0.21	1.07	0.71	2.65	5.15	13.85	3.10	0.40	0.18	0.14	0.11	
12	0.04	0.19	0.95	10.32	2.10	4.16	10.32	2.90	0.40	0.18	0.14	0.11	
13	0.03	0.18	0.83	23.32	1.70	4.34	11.28	3.52	0.36	0.18	0.14	0.11	
14	0.02	0.34	0.80	15.10	1.35	4.25	26.40	3.80	0.34	0.19	0.14	0.10	
15	0.01	0.30	0.74	9.72	1.15	3.52	26.00	3.80	0.34	0.19	0.14	0.09	
16	0.00	0.28	0.71	6.41	1.01	5.69	16.30	3.98	0.32	0.18	0.14	0.09	
17	0.02	1.55	0.65	4.43	0.95	19.80	11.40	3.24	0.30	0.18	0.15	0.09	
18	0.03	2.75	0.65	3.38	0.98	17.35	8.83	2.70	0.30	0.18	0.15	0.08	
19	0.02	3.66	1.04	2.00	1.75	13.72	8.83	2.40	0.29	0.19	0.15	0.07	
20	0.02	2.25	1.75	5.51	2.40	15.55	17.20	2.00	0.28	0.19	0.14	0.07	
21	0.01	1.85	1.65	5.51	4.88	17.95	14.95	1.85	0.29	0.17	0.14	0.06	
22	0.00	2.60	1.70	4.88	12.12	14.65	21.62	1.65	0.27	0.17	0.14	0.05	
23	0.00	2.55	1.65	4.34	7.90	20.44	59.42	1.45	0.27	0.17	0.13	0.05	
24	0.00	3.59	1.25	33.80	5.87	45.44	57.08	1.25	0.26	0.17	0.12	0.04	
25	0.00	8.10	0.98	10.92	4.16	59.16	25.60	1.10	0.26	0.17	0.15	0.03	
26	0.00	8.72	0.95	6.60	4.07	56.56	18.70	1.01	0.25	0.16	0.14	0.03	
27	0.01	4.70	1.04	4.79	3.59	31.00	17.05	0.98	0.25	0.17	0.14	0.03	
28	0.01	3.17	1.10	3.38	3.00	33.20	16.00	0.92	0.25	0.17	0.14	0.02	
29	0.04	2.60	0.95	2.80	3.10	28.80	13.72	0.89	0.25	0.16		0.01	
30	0.10	2.50	0.77	2.35	5.96	24.00	11.64	0.86	0.24	0.16		0.00	
31		2.35		2.05	4.70		13.98		0.24	0.16		0.00	
TOTAL	1.16	55.48	49.46	168.97	129.25	495.27	561.39	105.19	12.17	5.75	3.96	2.38	1590.43 CMSDAY
MEAN	0.04	1.79	1.65	5.45	4.17	16.51	18.11	3.51	0.39	0.19	0.14	0.08	4.36 CMS
MAX	0.10	8.72	4.70	33.80	14.95	59.16	59.42	12.36	0.83	0.23	0.15	0.14	59.42 CMS
MIN	0.00	0.09	0.65	0.53	0.95	1.70	6.05	0.86	0.24	0.16	0.12	0.00	0.00 CMS
RUNOFF	0.100	4.793	4.273	14.599	11.167	42.791	48.504	9.088	1.051	0.497	0.342	0.206	137.413 MCM

MOMENTARY PEAK 73.52 CMS, AT 5.38 M (A.D), AT 3.00 HOURS, ON OCT 24, 1985

RUNOFF YIELD 4.58 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 77.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

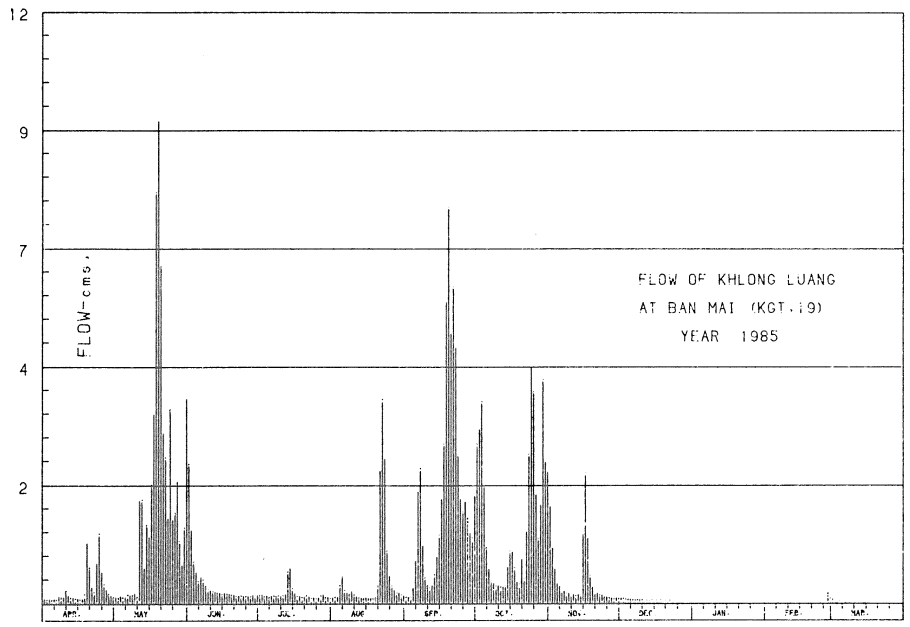
KHLONG LUANG AT BAN MAI, CHON BURI (KGT.19)

LOCATION	LAT. 13-23-17 N., LONG. 101-20-40 E., ON LEFT BANK ABOUT 4 KILOMETERS EAST OF KHOK PHO MARKET AND ABOUT 16 KILOMETERS FROM AMPHOE PHANAT NIKHOM, CHON BURI.
DRAINAGE AREA	535 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+20.124 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	BESIDE THE METEOROLOGICAL STATION.
ELEVATION	+25.658 M. (M.S.L.)
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 - 1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1974
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 336 DISCHARGE MEASUREMENTS MADE DURING 1972-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	20.58	20.67	21.88	20.74	20.63	20.68	22.00	21.59	20.62	20.50	20.45	20.58	
2	20.58	20.66	21.43	20.73	20.69	20.67	22.08	21.31	20.61	20.50	20.45	20.55	
3	20.57	20.70	21.18	20.71	20.66	20.69	22.24	21.10	20.60	20.50	20.45	20.53	
4	20.56	20.69	21.07	20.71	20.92	20.86	21.72	20.98	20.59	20.49	20.44	20.52	
5	20.57	20.67	20.98	20.68	21.03	21.21	21.30	20.90	20.57	20.49	20.44	20.52	
6	20.57	20.74	21.02	20.71	20.83	21.69	21.10	20.84	20.56	20.48	20.44	20.48	
7	20.69	20.72	21.00	20.72	20.77	21.85	20.98	20.80	20.56	20.48	20.43	20.46	
8	20.67	20.73	20.91	20.71	20.75	21.31	20.94	20.78	20.56	20.48	20.41	20.46	
9	20.65	20.76	20.85	20.72	20.80	21.02	20.91	20.76	20.55	20.48	20.41	20.45	
10	20.82	20.70	20.82	20.70	20.74	20.92	20.91	20.75	20.55	20.48	20.41	20.44	
11	20.71	21.63	20.81	20.73	20.69	20.89	20.90	20.73	20.54	20.48	20.41	20.44	
12	20.67	21.64	20.79	20.74	20.66	20.91	20.89	20.72	20.54	20.48	20.40	20.44	
13	20.63	21.11	20.78	21.08	20.63	21.05	20.95	20.73	20.54	20.47	20.40	20.44	
14	20.62	21.47	20.77	21.11	20.62	21.22	21.12	20.78	20.54	20.47	20.40	20.44	
15	20.60	21.38	20.75	20.87	20.63	21.40	21.27	21.40	20.54	20.47	20.39	20.44	
16	20.58	21.74	20.77	20.76	20.62	21.64	21.26	21.82	20.54	20.47	20.39	20.42	
17	20.59	22.17	20.76	20.71	20.61	22.00	21.12	21.37	20.54	20.47	20.39	20.41	
18	20.75	23.21	20.75	20.70	20.61	22.74	20.96	21.04	20.53	20.46	20.38	20.40	
19	21.33	23.48	20.74	20.68	20.65	23.15	20.94	20.89	20.53	20.46	20.38	20.39	
20	21.12	22.91	20.73	20.68	20.91	22.58	21.20	20.80	20.53	20.46	20.38	20.38	
21	20.88	22.06	20.72	20.73	21.83	22.82	21.01	20.76	20.53	20.46	20.37	20.37	
22	20.79	21.92	20.71	20.68	22.25	22.51	21.42	20.74	20.53	20.46	20.36	20.36	
23	21.16	21.51	20.72	20.63	21.91	21.94	21.94	20.72	20.52	20.46	20.36	20.35	
24	21.41	22.20	20.71	20.64	21.27	21.64	22.41	20.69	20.51	20.46	20.36	20.34	
25	21.07	21.50	20.71	20.64	21.03	21.56	22.29	20.66	20.50	20.46	20.37	20.33	
26	20.93	21.55	20.70	20.63	20.91	21.62	21.67	20.65	20.49	20.46	20.38	20.32	
27	20.83	21.76	20.71	20.72	20.82	21.54	21.37	20.62	20.49	20.46	20.76	20.30	
28	20.76	21.35	20.72	20.73	20.78	21.41	21.60	20.62	20.50	20.46	20.62	20.30	
29	20.71	21.14	20.72	20.68	20.77	21.38	22.35	20.62	20.49	20.46		20.29	
30	20.69	21.45	20.72	20.66	20.74	21.66	21.89	20.62	20.49	20.45		20.29	
31		22.25		20.64	20.71		21.84		20.50	20.45		20.29	
MEAN	20.77	21.50	20.86	20.73	20.89	21.55	21.44	20.89	20.54	20.47	20.42	20.41	
MAX	21.41	23.48	21.88	21.11	22.25	23.15	22.41	21.82	20.62	20.50	20.76	20.58	23.48
MIN	20.56	20.66	20.70	20.63	20.61	20.67	20.89	20.62	20.49	20.45	20.36	20.29	20.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 23.54 M (MSL), AT 6.00 HOURS, ON MAY 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 20.12 M (MSL), RIVER BED 20.06 M (MSL)
LEFT BANK ELEVATION 25.28 M (MSL)
RIGHT BANK ELEVATION 24.44 M (MSL), DRAINAGE AREA 535 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.13	2.84	0.19	0.12	0.14	3.25	1.97	0.11	0.05	0.03	0.09	
2	0.09	0.13	1.49	0.18	0.14	0.13	3.53	1.18	0.11	0.05	0.03	0.08	
3	0.09	0.15	0.86	0.16	0.13	0.14	4.11	0.70	0.10	0.05	0.03	0.07	
4	0.08	0.14	0.64	0.16	0.38	0.31	2.36	0.47	0.09	0.05	0.02	0.06	
5	0.09	0.13	0.47	0.14	0.56	0.93	1.15	0.35	0.09	0.05	0.02	0.06	
6	0.09	0.19	0.54	0.16	0.28	2.27	0.70	0.29	0.08	0.04	0.02	0.04	
7	0.14	0.17	0.50	0.17	0.22	2.75	0.47	0.25	0.08	0.04	0.02	0.03	
8	0.13	0.18	0.37	0.16	0.20	1.18	0.41	0.23	0.08	0.04	0.01	0.03	
9	0.13	0.21	0.30	0.17	0.25	0.54	0.37	0.21	0.08	0.04	0.01	0.03	
10	0.27	0.15	0.27	0.15	0.19	0.38	0.37	0.20	0.08	0.04	0.01	0.02	
11	0.16	2.09	0.26	0.18	0.14	0.34	0.35	0.18	0.07	0.04	0.01	0.02	
12	0.13	2.12	0.24	0.19	0.13	0.37	0.34	0.17	0.07	0.04	0.00	0.02	
13	0.12	0.72	0.23	0.66	0.12	0.60	0.43	0.18	0.07	0.04	0.00	0.02	
14	0.11	1.61	0.22	0.72	0.11	0.95	0.74	0.23	0.07	0.04	0.00	0.02	
15	0.10	1.35	0.20	0.32	0.12	1.40	1.08	1.40	0.07	0.04	0.00	0.02	
16	0.09	2.42	0.22	0.21	0.11	2.12	1.05	2.66	0.07	0.04	0.00	0.01	
17	0.09	3.84	0.21	0.16	0.11	3.25	0.74	1.33	0.07	0.04	0.00	0.01	
18	0.20	8.35	0.20	0.15	0.11	6.11	0.44	0.58	0.07	0.03	0.00	0.00	
19	1.23	9.79	0.19	0.14	0.13	8.05	0.41	0.34	0.07	0.03	0.00	0.00	
20	0.74	6.85	0.18	0.14	0.37	5.47	0.90	0.25	0.07	0.03	0.00	0.00	
21	0.33	3.46	0.17	0.18	2.69	6.44	0.52	0.21	0.07	0.03	0.00	0.00	
22	0.24	2.97	0.16	0.14	4.15	5.19	1.46	0.19	0.07	0.03	0.00	0.00	
23	0.82	1.73	0.17	0.12	2.94	3.04	3.04	0.17	0.06	0.03	0.00	0.00	
24	1.43	3.95	0.16	0.12	1.08	2.12	4.79	0.14	0.06	0.03	0.00	0.00	
25	0.64	1.70	0.16	0.12	0.56	1.88	4.31	0.13	0.05	0.03	0.00	0.00	
26	0.40	1.85	0.15	0.12	0.37	2.06	2.21	0.13	0.05	0.03	0.00	0.00	
27	0.28	2.48	0.16	0.17	0.27	1.82	1.33	0.11	0.05	0.03	0.21	0.00	
28	0.21	1.28	0.17	0.18	0.23	1.43	2.00	0.11	0.05	0.03	0.11	0.00	
29	0.16	0.78	0.17	0.14	0.22	1.35	4.55	0.11	0.05	0.03		0.00	
30	0.14	1.55	0.17	0.13	0.19	2.18	2.87	0.11	0.05	0.03		0.00	
31		4.15		0.12	0.16		2.72		0.05	0.03		0.00	
TOTAL	8.82	66.62	12.07	6.05	16.78	64.94	53.00	14.58	2.21	1.15	0.53	0.63	247.38 CMSDAY
MEAN	0.29	2.15	0.40	0.20	0.54	2.16	1.71	0.49	0.07	0.04	0.02	0.02	0.68 CMS
MAX	1.43	9.79	2.84	0.72	4.15	8.05	4.79	2.66	0.11	0.05	0.21	0.09	9.79 CMS
MIN	0.08	0.13	0.15	0.12	0.11	0.13	0.34	0.11	0.05	0.03	0.00	0.00	0.00 CMS
RUNOFF	0.762	5.756	1.043	0.523	1.450	5.611	4.579	1.260	0.191	0.099	0.046	0.054	21.374 MCM

MOMENTARY PEAK 10.14 CMS, AT 23.54 M (MSL), AT 6.00 HOURS, ON MAY 19, 1985
RUNOFF YIELD 1.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 18.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

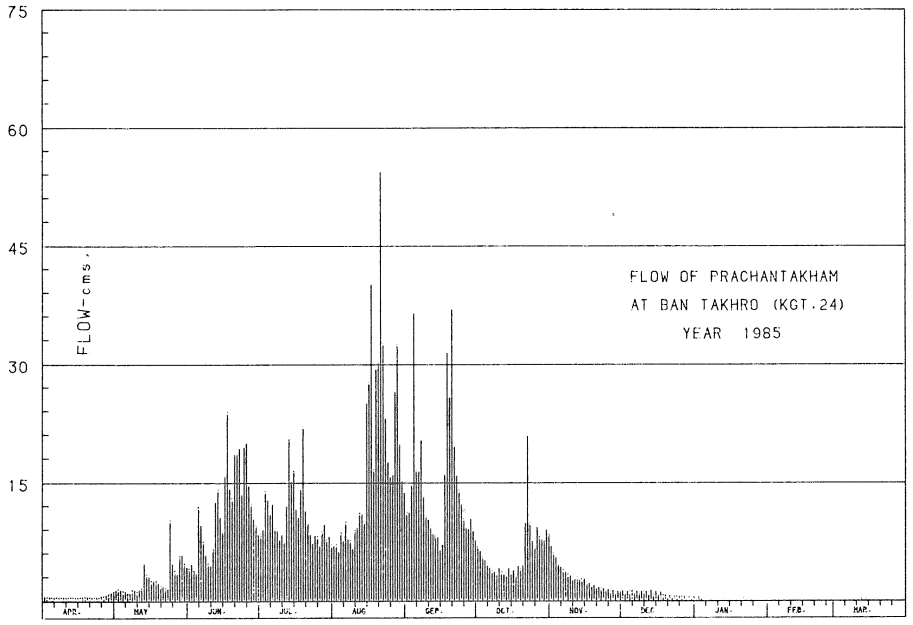
PRACHANTAKHAM RIVER AT BAN TAKHLO, PRACHIN BURI (KGT.24)

LOCATION	LAT. 14-10-34 N., LONG. 101-35-30 E., ON RIGHT BANK AT BAN TAKHRO, AMPHOE PRACHANTAKHAM, PRACHIN BURI.
DRAINAGE AREA	121 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE STATION OFFICE.
ELEVATION	+8.365 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +7.97 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY PRACHANTAKHAM DAM. STAGE-DISCHARGE RELATION DEFINED BY 116 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.67	1.16	1.72	1.52	2.03	1.52	1.52	0.64	0.45	0.38	0.83	
2	0.46	0.71	1.23	1.78	1.55	2.02	1.44	1.42	0.64	0.45	0.38	0.82	
3	0.46	0.67	1.12	2.30	1.43	2.40	1.36	1.34	0.62	0.44	0.38	0.81	
4	0.45	0.66	1.05	2.18	1.74	4.06	1.30	1.26	0.64	0.43	0.38	0.81	
5	0.45	0.63	2.10	2.03	1.60	2.57	1.25	1.18	0.66	0.42	0.38	0.81	
6	0.45	0.59	1.85	2.13	1.91	2.54	1.17	1.14	0.65	0.42	0.37	0.81	
7	0.45	0.57	1.60	1.81	1.63	2.89	1.12	1.09	0.63	0.43	0.37	0.82	
8	0.45	0.69	1.38	1.76	1.62	2.22	1.09	1.05	0.63	0.42	0.42	0.82	
9	0.44	0.67	1.25	1.66	1.48	1.99	1.09	1.01	0.63	0.42	0.53	0.82	
10	0.44	0.64	1.20	1.70	1.78	1.93	1.16	0.97	0.64	0.43	0.61	0.83	
11	0.44	0.67	1.48	1.62	1.81	1.85	1.10	0.93	0.63	0.41	0.68	0.83	
12	0.44	0.74	2.15	2.10	2.02	1.71	1.03	1.00	0.61	0.41	0.73	0.85	
13	0.44	1.24	2.32	2.90	2.00	1.69	1.06	0.92	0.66	0.41	0.78	0.86	
14	0.43	1.05	1.96	2.41	1.91	1.66	1.16	0.95	0.64	0.41	0.84	0.83	
15	0.44	0.99	1.77	2.56	3.22	1.50	1.10	0.94	0.62	0.41	0.87	0.82	
16	0.44	0.91	2.48	2.06	3.43	1.54	1.12	0.88	0.60	0.41	0.91	0.82	
17	0.45	0.90	3.14	1.99	4.29	2.54	1.03	0.84	0.60	0.41	0.90	0.82	
18	0.46	0.91	2.32	2.31	2.57	3.71	1.20	0.82	0.52	0.41	0.84	0.82	
19	0.45	0.85	2.21	3.00	3.55	3.30	1.16	0.79	0.51	0.40	0.83	0.82	
20	0.45	0.80	2.72	2.04	3.64	4.09	1.21	0.77	0.51	0.40	0.83	0.82	
21	0.44	0.76	2.75	1.91	5.18	2.82	1.88	0.74	0.50	0.40	0.83	0.82	
22	0.44	0.73	2.78	1.70	3.81	2.49	2.90	0.73	0.50	0.39	0.82	0.82	
23	0.44	0.70	2.28	1.61	3.07	2.31	1.89	0.71	0.48	0.38	0.81	0.82	
24	0.43	1.93	2.79	1.69	2.67	2.13	1.60	0.70	0.48	0.38	0.81	0.82	
25	0.48	1.24	2.86	1.68	2.47	1.95	1.52	0.68	0.47	0.38	0.83	0.82	
26	0.49	1.12	2.36	1.52	2.53	1.80	1.82	0.65	0.47	0.38	0.83	0.82	
27	0.51	1.04	2.14	1.76	3.33	1.83	1.67	0.65	0.46	0.38	0.83	0.82	
28	0.56	1.37	1.94	1.86	3.80	1.94	1.62	0.64	0.45	0.38	0.83	0.81	
29	0.59	1.38	1.85	1.63	2.82	1.80	1.60	0.63	0.45	0.38		0.80	
30	0.64	1.25	1.70	1.67	2.42	1.61	1.78	0.70	0.45	0.38		0.80	
31		1.18		1.55	2.27		1.71		0.45	0.38		0.80	
MEAN	0.47	0.91	2.00	1.96	2.55	2.30	1.41	0.92	0.56	0.41	0.68	0.82	
MAX	0.64	1.93	3.14	3.00	5.18	4.09	2.90	1.52	0.66	0.45	0.91	0.86	5.18
MIN	0.43	0.57	1.05	1.52	1.43	1.50	1.03	0.63	0.45	0.38	0.37	0.80	0.37

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.10 M (A.D), AT 10.00 HOURS, ON AUG 21, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 121 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	1.39	4.17	8.56	6.96	11.30	6.96	6.96	1.26	0.53	0.32	0.30	
2	0.57	1.57	4.67	9.04	7.20	11.20	6.32	6.16	1.26	0.53	0.32	0.30	
3	0.57	1.39	3.89	14.00	6.24	15.00	5.68	5.52	1.17	0.50	0.32	0.30	
4	0.53	1.34	3.45	12.80	8.72	36.46	5.20	4.90	1.26	0.47	0.32	0.30	
5	0.53	1.21	12.00	11.30	7.60	16.70	4.82	4.31	1.34	0.44	0.32	0.30	
6	0.53	1.04	9.60	12.30	10.10	16.40	4.24	4.03	1.30	0.44	0.30	0.30	
7	0.53	0.97	7.60	9.28	7.84	20.77	3.89	3.89	1.21	0.47	0.30	0.30	
8	0.53	1.48	5.84	8.88	7.76	13.20	3.69	3.45	1.21	0.44	0.30	0.30	
9	0.50	1.39	4.82	8.08	6.64	10.90	3.69	3.21	1.21	0.44	0.30	0.30	
10	0.50	1.26	4.45	8.40	9.04	10.30	4.17	2.97	1.26	0.47	0.30	0.30	
11	0.50	1.39	6.64	7.76	9.28	9.60	3.75	2.73	1.21	0.40	0.30	0.30	
12	0.50	1.72	12.50	12.00	11.20	8.48	3.33	3.15	1.12	0.40	0.30	0.30	
13	0.50	4.75	14.20	20.90	11.00	8.32	3.51	2.67	1.34	0.40	0.30	0.30	
14	0.47	3.45	10.60	15.10	10.10	8.08	4.17	2.85	1.26	0.40	0.30	0.30	
15	0.50	3.09	8.96	16.60	25.06	6.80	3.75	2.79	1.17	0.40	0.30	0.30	
16	0.50	2.61	15.80	11.60	27.79	7.12	3.89	2.44	1.08	0.40	0.30	0.30	
17	0.53	2.55	24.02	10.90	40.14	16.40	3.33	2.23	1.08	0.40	0.30	0.30	
18	0.57	2.61	14.20	14.10	16.70	31.43	4.45	2.13	0.78	0.40	0.30	0.30	
19	0.53	2.29	13.10	22.20	29.35	26.10	4.17	1.97	0.74	0.37	0.30	0.30	
20	0.53	2.02	18.56	11.40	30.52	36.94	4.52	1.87	0.74	0.37	0.30	0.30	
21	0.50	1.82	18.95	10.10	54.38	19.86	9.84	1.72	0.70	0.37	0.30	0.30	
22	0.50	1.67	19.34	8.40	32.73	15.90	20.90	1.67	0.70	0.35	0.30	0.30	
23	0.50	1.52	13.80	7.68	23.11	14.10	9.92	1.57	0.63	0.32	0.30	0.30	
24	0.47	10.30	19.47	8.32	17.91	12.30	7.60	1.52	0.63	0.32	0.30	0.30	
25	0.63	4.75	20.38	8.24	15.70	10.50	6.96	1.43	0.60	0.32	0.30	0.30	
26	0.67	3.89	14.60	6.96	16.30	9.20	9.36	1.30	0.60	0.32	0.30	0.30	
27	0.74	3.39	12.40	8.88	26.49	9.44	8.16	1.30	0.57	0.32	0.30	0.30	
28	0.93	5.76	10.40	9.68	32.60	10.40	7.76	1.26	0.53	0.32	0.30	0.30	
29	1.04	5.84	9.60	7.84	19.86	9.20	7.60	1.21	0.53	0.32		0.30	
30	1.26	4.82	8.40	8.16	15.20	7.68	9.04	1.52	0.53	0.32		0.30	
31		4.31		7.20	13.70		8.48		0.53	0.32		0.30	
TOTAL	17.73	87.59	346.41	336.66	557.22	440.08	193.15	84.53	29.55	12.27	8.50	9.30	2122.99 CMSDAY
MEAN	0.59	2.83	11.55	10.86	17.97	14.67	6.23	2.82	0.95	0.40	0.30	0.30	5.82 CMS
MAX	1.26	10.30	24.02	22.20	54.38	36.94	20.90	6.96	1.34	0.53	0.32	0.30	54.38 CMS
MIN	0.47	0.97	3.45	6.96	6.24	6.80	3.33	1.21	0.53	0.32	0.30	0.30	0.30 CMS
RUNOFF	1.532	7.568	29.930	29.087	48.144	38.023	16.688	7.303	2.553	1.060	0.734	0.804	183.426 MCM

MOMENTARY PEAK 186.00 CMS, AT 8.10 M (A.D), AT 10.00 HOURS, ON AUG 21, 1985

RUNOFF YIELD 48.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1537.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

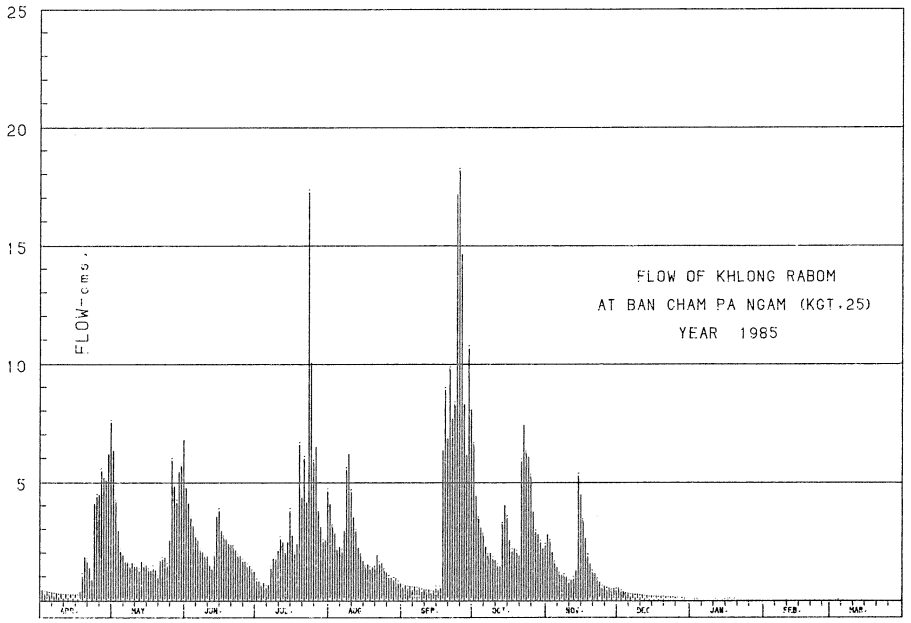
KHLONG RABOM AT BAN CHAM PA NGAM, CHACHOENGSAO (KGT.25)

LOCATION	LAT. 13-41-09 N., LONG. 101-36-32 E., ON LEFT BANK AT BAN CHAM PA NGAM, AMPHOE SANAM CHAI KHET, CHACHOENGSAO
DRAINAGE AREA	243 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ON LEFT BANK NEAR THE GAGE SITE, B.M.2 INFRONT OF THE OBSERVER'S HOUSE.
ELEVATION	B.M.1=+4.877 M. (A.D.), B.M.2=+8.490 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +4.52 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. THE MEASURING LINE ABOUT 300 METERS DOWNSTREAM FROM THE LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 40 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.07	2.73	2.37	1.28	2.17	1.20	2.80	1.85	1.12	0.82	0.75	0.76	
2	1.06	2.22	2.18	1.24	1.96	1.18	2.26	1.80	1.08	0.81	0.75	0.75	
3	1.05	1.89	2.05	1.22	1.86	1.17	2.04	1.65	1.04	0.80	0.75	0.75	
4	1.04	1.70	1.94	1.22	1.72	1.16	1.92	1.53	1.02	0.80	0.75	0.75	
5	1.03	1.61	1.85	1.19	1.72	1.15	1.87	1.44	1.01	0.80	0.75	0.75	
6	1.02	1.56	1.79	1.18	1.70	1.15	1.72	1.37	1.00	0.80	0.75	0.75	
7	1.01	1.51	1.71	1.46	1.89	1.15	1.63	1.33	0.99	0.79	0.74	0.75	
8	1.00	1.48	1.65	1.56	2.56	1.13	1.64	1.35	0.98	0.79	0.74	0.75	
9	1.00	1.50	1.62	1.60	2.70	1.11	1.59	1.30	0.97	0.79	0.74	0.75	
10	0.99	1.49	1.59	1.67	2.33	1.09	1.54	1.26	0.96	0.79	0.74	0.75	
11	0.98	1.45	1.50	1.83	2.03	1.09	1.49	1.26	0.95	0.79	0.73	0.75	
12	0.98	1.43	1.41	1.77	1.91	1.09	1.45	1.31	0.93	0.79	0.73	0.74	
13	0.97	1.52	1.65	1.68	1.71	1.07	1.98	1.39	0.92	0.78	0.73	0.74	
14	0.97	1.49	2.04	1.77	1.63	1.07	2.16	2.50	0.90	0.78	0.73	0.73	
15	0.96	1.47	2.13	2.13	1.53	1.17	2.05	2.27	0.90	0.78	0.73	0.73	
16	0.96	1.43	1.89	1.84	1.47	1.06	1.79	2.02	0.90	0.80	0.73	0.72	
17	1.04	1.39	1.84	1.66	1.48	1.18	1.70	1.81	0.90	0.81	0.73	0.70	
18	1.36	1.47	1.80	1.75	1.45	2.73	1.70	1.63	0.89	0.80	0.73	0.69	
19	1.58	1.40	1.78	2.80	1.44	3.23	1.68	1.49	0.89	0.80	0.73	0.68	
20	1.57	1.33	1.74	2.24	1.46	2.83	1.60	1.40	0.89	0.80	0.73	0.67	
21	1.43	1.53	1.74	2.68	1.61	3.38	2.65	1.35	0.88	0.79	0.73	0.67	
22	1.30	1.59	1.68	2.19	1.52	2.99	2.94	1.29	0.87	0.79	0.73	0.67	
23	2.18	1.58	1.63	4.51	1.50	3.12	2.73	1.23	0.87	0.80	0.72	0.66	
24	2.28	1.50	1.60	3.41	1.43	4.48	2.67	1.18	0.86	0.78	0.72	0.65	
25	2.27	1.79	1.56	2.64	1.37	4.64	2.49	1.16	0.85	0.78	0.72	0.65	
26	2.55	2.66	1.52	2.76	1.33	4.12	2.09	1.14	0.85	0.77	0.72	0.64	
27	2.45	2.36	1.49	2.13	1.29	3.12	1.90	1.12	0.84	0.76	0.72	0.63	
28	2.45	2.22	1.46	1.93	1.30	2.69	1.85	1.10	0.84	0.76	0.72	0.63	
29	2.70	2.51	1.41	1.80	1.29	3.53	1.79	1.11	0.83	0.76		0.63	
30	2.98	2.60	1.38	1.79	1.25	3.06	1.70	1.12	0.83	0.75		0.66	
31		2.82		2.34	1.21		1.76		0.82	0.75		0.65	
MEAN	1.47	1.78	1.73	1.98	1.67	2.10	1.97	1.46	0.92	0.79	0.73	0.70	
MAX	2.98	2.82	2.37	4.51	2.70	4.64	2.94	2.50	1.12	0.82	0.75	0.76	4.64
MIN	0.96	1.33	1.38	1.18	1.21	1.06	1.45	1.10	0.82	0.75	0.72	0.63	0.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.77 M (A.D), AT 6.00 HOURS, ON JUL 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.06 M (A.D)
LEFT BANK ELEVATION 5.33 M (A.D)
RIGHT BANK ELEVATION 4.52 M (A.D), DRAINAGE AREA 243 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.44	6.35	4.88	0.94	4.08	0.70	6.70	2.80	0.54	0.12	0.06	0.07	
2	0.42	4.28	4.12	0.82	3.24	0.66	4.44	2.60	0.46	0.11	0.06	0.06	
3	0.40	2.96	3.60	0.76	2.84	0.64	3.56	2.05	0.38	0.10	0.06	0.06	
4	0.38	2.20	3.16	0.76	2.28	0.62	3.08	1.69	0.34	0.10	0.06	0.06	
5	0.36	1.93	2.80	0.68	2.28	0.60	2.88	1.42	0.32	0.10	0.06	0.06	
6	0.34	1.78	2.56	0.66	2.20	0.60	2.28	1.21	0.30	0.10	0.06	0.06	
7	0.32	1.63	2.24	1.48	2.96	0.60	1.99	1.09	0.29	0.09	0.05	0.06	
8	0.30	1.54	2.05	1.78	5.64	0.56	2.02	1.15	0.28	0.09	0.05	0.06	
9	0.30	1.60	1.96	1.90	6.20	0.52	1.87	1.00	0.27	0.09	0.05	0.06	
10	0.29	1.57	1.87	2.11	4.72	0.48	1.72	0.88	0.26	0.09	0.05	0.06	
11	0.28	1.45	1.60	2.72	3.52	0.48	1.57	0.88	0.25	0.09	0.04	0.06	
12	0.28	1.39	1.33	2.48	3.04	0.48	1.45	1.03	0.23	0.09	0.04	0.05	
13	0.27	1.66	2.05	2.14	2.24	0.44	3.32	1.27	0.22	0.08	0.04	0.05	
14	0.27	1.57	3.56	2.48	1.99	0.44	4.04	5.40	0.20	0.08	0.04	0.04	
15	0.26	1.51	3.92	3.92	1.69	0.64	3.60	4.48	0.20	0.08	0.04	0.04	
16	0.26	1.39	2.96	2.76	1.51	0.42	2.56	3.48	0.20	0.10	0.04	0.04	
17	0.38	1.27	2.76	2.08	1.54	0.66	2.20	2.64	0.20	0.11	0.04	0.02	
18	1.18	1.51	2.60	2.40	1.45	6.35	2.20	1.99	0.19	0.10	0.04	0.02	
19	1.84	1.30	2.52	6.70	1.42	9.02	2.14	1.57	0.19	0.10	0.04	0.02	
20	1.81	1.09	2.36	4.36	1.48	6.85	1.90	1.30	0.19	0.10	0.04	0.01	
21	1.39	1.69	2.36	6.12	1.93	9.88	6.00	1.15	0.18	0.09	0.04	0.01	
22	1.00	1.87	2.14	4.16	1.66	7.69	7.42	0.97	0.17	0.09	0.04	0.01	
23	4.12	1.84	1.99	17.37	1.60	8.41	6.35	0.79	0.17	0.10	0.04	0.01	
24	4.52	1.60	1.90	10.06	1.39	17.16	6.08	0.66	0.16	0.08	0.04	0.01	
25	4.48	2.56	1.78	5.96	1.21	18.28	5.36	0.62	0.15	0.08	0.04	0.01	
26	5.60	6.04	1.66	6.50	1.09	14.64	3.76	0.58	0.15	0.08	0.04	0.01	
27	5.20	4.84	1.57	3.92	0.97	8.41	3.00	0.54	0.14	0.07	0.04	0.01	
28	5.20	4.28	1.48	3.12	1.00	6.16	2.80	0.50	0.14	0.07	0.04	0.01	
29	6.20	5.44	1.33	2.60	0.97	10.78	2.56	0.52	0.13	0.07		0.01	
30	7.64	5.80	1.24	2.56	0.85	8.08	2.20	0.54	0.13	0.06		0.01	
31		6.80		4.76	0.73		2.44		0.12	0.06		0.01	
TOTAL	55.73	82.74	72.35	111.06	69.72	141.25	103.49	46.80	7.15	2.77	1.28	1.07	695.41 CMSDAY
MEAN	1.86	2.67	2.41	3.58	2.25	4.71	3.34	1.56	0.23	0.09	0.05	0.03	1.91 CMS
MAX	7.64	6.80	4.88	17.37	6.20	18.28	7.42	5.40	0.54	0.12	0.06	0.07	18.28 CMS
MIN	0.26	1.09	1.24	0.66	0.73	0.42	1.45	0.50	0.12	0.06	0.04	0.01	0.01 CMS
RUNOFF	4.815	7.149	6.251	9.596	6.024	12.204	8.942	4.044	0.618	0.239	0.111	0.092	60.083 MCM

MOMENTARY PEAK 19.19 CMS, AT 4.77 M (A.D), AT 6.00 HOURS, ON JUL 23, 1985

RUNOFF YIELD 7.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 78.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

KHLONG YANG AT BAN KHLONG YANG, NAKHON NAYOK (KGT.27)

LOCATION	LAT. 14-12-02 N., LONG. 101-22-05 E., ON RIGHT BANK ATBAN KHLONG YANG, TAMBON NA HIN LAT, AMPHOE PAK PHLI, NAKHON NAYOK.
DRAINAGE AREA	45 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ON THE TOP STAFF GAGE.
ELEVATION	+3.918 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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 128 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

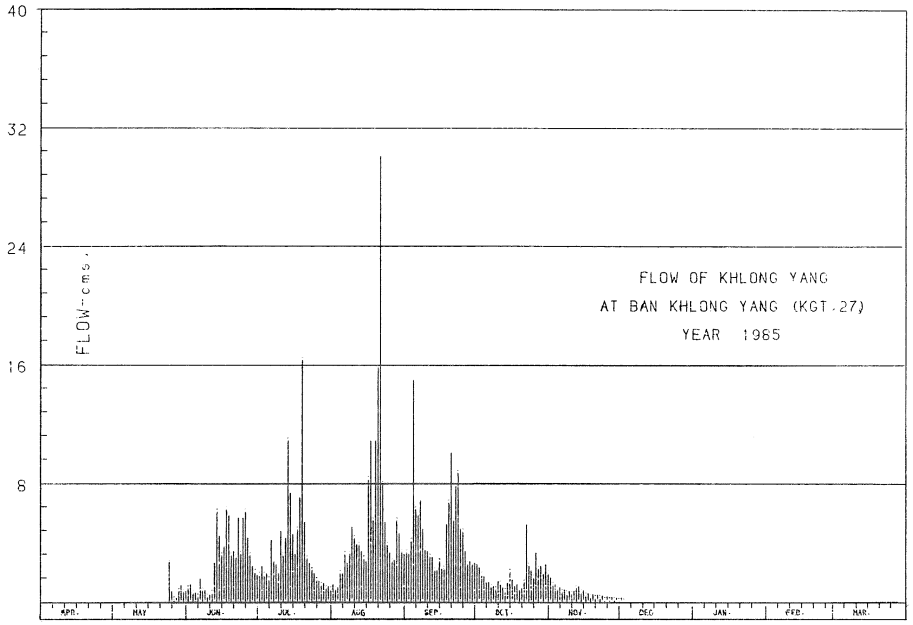
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.11	0.18	0.62	0.73	0.63	0.88	0.80	0.69	0.46	0.41	0.35	0.28	
2	0.11	0.18	0.63	0.77	0.61	0.85	0.76	0.65	0.45	0.41	0.39	0.28	
3	0.10	0.17	0.57	0.73	0.60	0.94	0.73	0.63	0.58	0.41	0.37	0.27	
4	0.10	0.17	0.53	0.72	0.74	1.52	0.70	0.61	0.55	0.40	0.36	0.26	
5	0.09	0.16	0.52	0.70	0.72	1.08	0.68	0.60	0.51	0.40	0.37	0.26	
6	0.09	0.15	0.68	0.93	0.87	1.04	0.65	0.58	0.50	0.41	0.35	0.25	
7	0.08	0.15	0.60	0.82	0.79	1.12	0.63	0.57	0.51	0.41	0.31	0.25	
8	0.07	0.19	0.56	0.78	0.87	0.98	0.61	0.56	0.54	0.38	0.30	0.25	
9	0.06	0.19	0.52	0.75	0.99	0.90	0.61	0.55	0.54	0.40	0.30	0.24	
10	0.06	0.18	0.50	0.97	0.95	0.87	0.66	0.55	0.52	0.40	0.30	0.24	
11	0.05	0.18	0.57	0.86	0.91	0.85	0.66	0.55	0.49	0.40	0.29	0.23	
12	0.04	0.18	0.79	0.94	0.92	0.83	0.60	0.62	0.50	0.39	0.29	0.23	
13	0.03	0.24	1.07	1.34	0.87	0.76	0.59	0.61	0.49	0.40	0.28	0.23	
14	0.02	0.25	0.95	1.14	0.84	0.74	0.64	0.57	0.53	0.39	0.28	0.22	
15	0.01	0.38	0.86	0.97	0.80	0.82	0.75	0.56	0.52	0.36	0.27	0.21	
16	0.01	0.38	0.90	0.85	1.21	0.75	0.67	0.53	0.54	0.34	0.27	0.21	
17	0.01	0.37	1.08	0.99	1.33	0.77	0.65	0.52	0.56	0.32	0.29	0.20	
18	0.17	0.36	1.04	1.12	1.03	1.00	0.63	0.51	0.50	0.33	0.29	0.19	
19	0.17	0.34	0.86	1.58	1.33	1.11	0.61	0.51	0.49	0.33	0.30	0.19	
20	0.17	0.33	0.87	1.01	1.56	1.29	0.59	0.50	0.48	0.33	0.30	0.18	
21	0.17	0.31	0.85	0.84	2.07	1.03	0.67	0.50	0.50	0.33	0.31	0.17	
22	0.16	0.31	1.03	0.79	1.19	1.17	1.00	0.50	0.47	0.34	0.30	0.17	
23	0.15	0.30	0.87	0.76	1.01	1.23	0.79	0.49	0.45	0.33	0.29	0.16	
24	0.14	0.81	1.03	0.72	0.92	0.98	0.74	0.47	0.44	0.33	0.29	0.15	
25	0.14	0.55	1.07	0.69	0.86	0.98	0.71	0.48	0.44	0.33	0.29	0.15	
26	0.13	0.48	0.94	0.66	0.82	0.87	0.86	0.47	0.43	0.34	0.29	0.14	
27	0.12	0.46	0.86	0.65	0.81	0.80	0.77	0.47	0.43	0.35	0.29	0.14	
28	0.12	0.59	0.77	0.64	1.03	0.80	0.77	0.47	0.43	0.35	0.29	0.13	
29	0.11	0.62	0.75	0.62	0.96	0.80	0.74	0.46	0.44	0.35		0.13	
30	0.10	0.58	0.71	0.61	0.88	0.79	0.78	0.46	0.46	0.34		0.12	
31		0.55		0.61	0.85		0.74		0.40	0.35		0.11	
MEAN	0.10	0.33	0.79	0.85	0.97	0.95	0.70	0.54	0.49	0.37	0.31	0.20	
MAX	0.17	0.81	1.08	1.58	2.07	1.52	1.00	0.69	0.58	0.41	0.39	0.28	2.07
MIN	0.01	0.15	0.50	0.61	0.60	0.74	0.59	0.46	0.40	0.32	0.27	0.11	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.15 M (A.D), AT 9.00 HOURS, ON AUG 21, 1985

*ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.36 M (A.D)

LEFT BANK ELEVATION 6.73 M (A.D)

RIGHT BANK ELEVATION 6.79 M (A.D), DRAINAGE AREA 45 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.15	2.05	1.22	3.55	2.75	1.68	0.30	0.00	0.00	0.00	
2	0.00	0.00	1.22	2.45	1.07	3.25	2.35	1.37	0.25	0.00	0.00	0.00	
3	0.00	0.00	0.85	2.05	1.00	4.35	2.05	1.22	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.65	1.95	2.15	15.00	1.75	1.07	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.60	1.75	1.95	6.45	1.60	1.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	1.60	4.20	3.45	5.85	1.37	0.90	0.00	0.00	0.00	0.00	
7	0.00	0.00	1.00	2.95	2.65	7.06	1.22	0.85	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.80	2.55	3.45	4.95	1.07	0.80	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.60	2.25	5.10	3.75	1.07	0.75	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.50	4.80	4.50	3.45	1.45	0.75	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.85	3.35	3.90	3.25	1.45	0.75	0.00	0.00	0.00	0.00	
12	0.00	0.00	2.65	4.35	4.05	3.05	1.00	1.15	0.00	0.00	0.00	0.00	
13	0.00	0.00	6.30	11.10	3.45	2.35	0.95	1.07	0.00	0.00	0.00	0.00	
14	0.00	0.00	4.50	7.37	3.15	2.15	1.30	0.85	0.00	0.00	0.00	0.00	
15	0.00	0.00	3.35	4.80	2.75	2.95	2.25	0.80	0.00	0.00	0.00	0.00	
16	0.00	0.00	3.75	3.25	8.50	2.25	1.53	0.65	0.00	0.00	0.00	0.00	
17	0.00	0.00	6.45	5.10	10.90	2.45	1.37	0.60	0.00	0.00	0.00	0.00	
18	0.00	0.00	5.85	7.06	5.70	5.25	1.22	0.55	0.00	0.00	0.00	0.00	
19	0.00	0.00	3.35	16.50	10.90	6.90	1.07	0.55	0.00	0.00	0.00	0.00	
20	0.00	0.00	3.45	5.40	16.00	10.10	0.95	0.50	0.00	0.00	0.00	0.00	
21	0.00	0.00	3.25	3.15	30.10	5.70	1.53	0.50	0.00	0.00	0.00	0.00	
22	0.00	0.00	5.70	2.65	8.15	7.83	5.25	0.50	0.00	0.00	0.00	0.00	
23	0.00	0.00	3.45	2.35	5.40	8.90	2.65	0.45	0.00	0.00	0.00	0.00	
24	0.00	2.85	5.70	1.95	4.05	4.95	2.15	0.35	0.00	0.00	0.00	0.00	
25	0.00	0.75	6.30	1.68	3.35	4.95	1.85	0.40	0.00	0.00	0.00	0.00	
26	0.00	0.40	4.35	1.45	2.95	3.45	3.35	0.35	0.00	0.00	0.00	0.00	
27	0.00	0.30	3.35	1.37	2.85	2.75	2.45	0.35	0.00	0.00	0.00	0.00	
28	0.00	0.95	2.45	1.30	5.70	2.75	2.45	0.35	0.00	0.00	0.00	0.00	
29	0.00	1.15	2.25	1.15	4.65	2.75	2.15	0.30	0.00	0.00		0.00	
30	0.00	0.90	1.85	1.07	3.55	2.65	2.55	0.30	0.00	0.00		0.00	
31		0.75		1.07	3.25		2.15		0.00	0.00		0.00	
TOTAL	0.00	8.05	88.12	114.47	169.84	145.04	58.30	21.71	0.55	0.00	0.00	0.00	606.08 CMSDAY
MEAN	0.00	0.26	2.94	3.69	5.48	4.83	1.88	0.72	0.02	0.00	0.00	0.00	1.66 CMS
MAX	0.00	2.85	6.45	16.50	30.10	15.00	5.25	1.68	0.30	0.00	0.00	0.00	30.10 CMS
MIN	0.00	0.00	0.50	1.07	1.00	2.15	0.95	0.30	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.696	7.614	9.890	14.674	12.531	5.037	1.876	0.048	0.000	0.000	0.000	52.365 MCM

MOMENTARY PEAK 72.00 CMS, AT 3.15 M (A.D), AT 9.00 HOURS, ON AUG 21, 1985

RUNOFF YIELD 36.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1600.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

EAST COAST-GULF BASIN

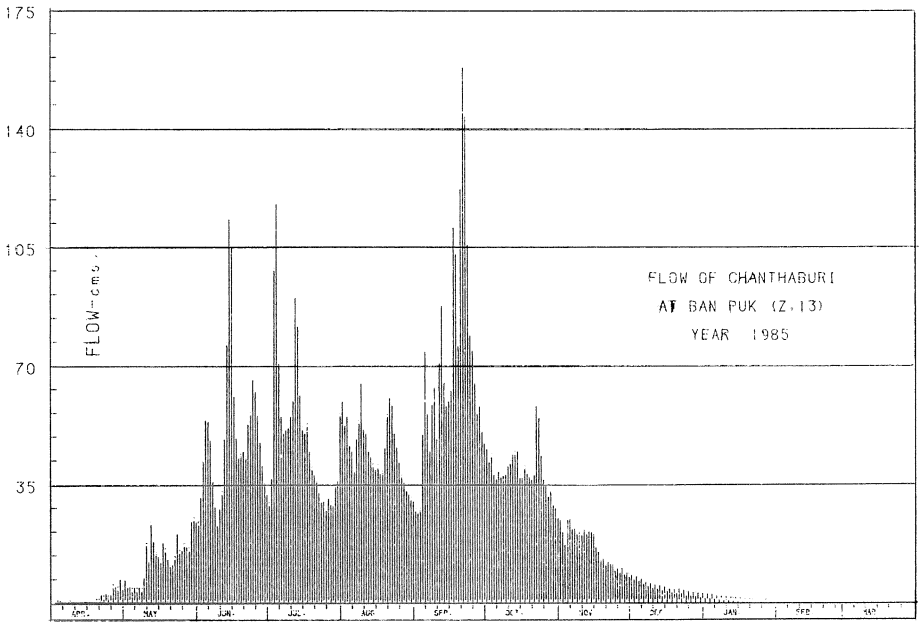
CHANTHABURI RIVER AT BAN PUK, CHANTHABURI (Z.13)

LOCATION	LAT. 12-45-40 N., LONG. 102-18-35 E., ON LEFT BANK INFRONT OF WAT BAN PUK, AMPHOE MAKHAM, CHANTHABURI.
DRAINAGE AREA	671 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+8.083 M.(A.D.)
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	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 46 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.66	1.34	1.54	2.48	1.48	2.09	1.35	0.72	0.44	0.24	0.00	
2	0.22	0.62	1.59	1.78	2.29	1.42	1.94	1.26	0.71	0.44	0.22	0.00	
3	0.30	0.57	1.98	3.51	2.35	1.48	2.02	1.08	0.70	0.43	0.13	0.00	
4	0.28	0.56	2.32	3.98	2.11	2.19	1.82	1.39	0.69	0.43	0.22	0.00	
5	0.27	0.56	2.34	2.81	2.04	2.91	1.81	1.36	0.67	0.42	0.26	0.00	
6	0.26	0.56	2.14	2.35	1.87	2.37	1.85	1.29	0.65	0.40	0.23	0.00	
7	0.27	0.56	1.78	2.23	2.15	2.07	1.83	1.26	0.63	0.40	0.19	0.00	
8	0.29	0.56	1.49	2.23	2.32	2.45	1.81	1.24	0.62	0.39	0.19	0.00	
9	0.24	0.69	1.33	2.28	2.63	2.62	1.86	1.23	0.61	0.38	0.18	0.00	
10	0.23	1.11	1.47	2.35	2.26	2.15	1.90	1.23	0.60	0.38	0.42	0.00	
11	0.19	0.89	1.66	2.51	2.20	2.82	1.96	1.25	0.59	0.38	0.70	0.00	
12	0.17	1.34	2.15	3.29	2.07	3.23	2.01	1.24	0.59	0.37	0.54	0.00	
13	0.13	1.12	2.96	3.10	1.99	2.66	2.04	1.23	0.58	0.36	0.49	0.00	
14	0.09	1.01	3.87	2.53	1.93	2.44	2.04	1.26	0.57	0.35	0.47	0.00	
15	0.06	0.95	3.68	2.26	1.87	2.51	1.82	1.20	0.56	0.35	0.42	0.00	
16	0.09	0.93	2.52	2.20	1.92	2.57	1.79	1.09	0.55	0.34	0.38	0.00	
17	0.23	1.11	2.18	2.29	1.83	3.83	1.91	1.00	0.53	0.33	0.34	0.00	
18	0.33	1.05	1.98	2.04	1.86	3.61	1.83	0.93	0.53	0.33	0.32	0.00	
19	0.34	0.92	2.02	1.90	2.07	2.95	1.83	0.92	0.52	0.32	0.30	0.00	
20	0.35	0.88	2.04	1.82	2.37	4.08	1.77	0.88	0.52	0.32	0.26	0.00	
21	0.43	0.85	2.00	1.78	2.51	4.92	1.85	0.88	0.53	0.31	0.20	0.00	
22	0.43	0.96	2.28	1.64	2.47	4.58	2.44	0.90	0.52	0.31	0.20	0.00	
23	0.45	1.21	2.39	1.57	2.20	3.70	2.36	0.85	0.51	0.31	0.20	0.00	
24	0.43	1.03	2.66	1.55	2.10	3.01	2.00	0.82	0.49	0.31	0.11	0.00	
25	0.43	1.02	2.58	1.49	1.94	2.92	1.80	0.80	0.49	0.30	0.05	0.00	
26	0.61	1.11	2.36	1.58	1.82	2.63	1.71	0.79	0.48	0.30	0.02	0.00	
27	0.57	1.06	2.14	1.55	1.74	2.40	1.63	0.81	0.47	0.30	0.04	0.00	
28	0.58	1.06	1.91	1.50	1.69	2.44	1.65	0.77	0.47	0.23	0.01	0.00	
29	0.67	1.34	1.74	1.72	1.62	2.24	1.54	0.75	0.46	0.21		0.00	
30	0.59	1.39	1.62	1.76	1.60	2.11	1.48	0.74	0.45	0.25		0.00	
31		1.33		2.38	1.55		1.40		0.45	0.24		0.00	
MEAN	0.32	0.94	2.15	2.18	2.06	2.76	1.86	1.06	0.56	0.34	0.26	0.00	
MAX	0.67	1.39	3.87	3.98	2.63	4.92	2.44	1.39	0.72	0.44	0.70	0.00	4.92
MIN	0.06	0.56	1.33	1.49	1.55	1.42	1.40	0.74	0.45	0.21	0.01	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.00 M (A.D), AT 15.00 HOURS, ON SEP 21, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.58 M (A.D)
LEFT BANK ELEVATION 7.80 M (A.D)
RIGHT BANK ELEVATION 6.85 M (A.D), DRAINAGE AREA 671 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	6.88	24.12	29.72	59.50	28.04	46.37	24.40	8.26	2.60	0.40	0.00	
2	0.20	5.96	31.12	36.62	52.97	26.36	41.48	21.88	8.03	2.60	0.20	0.00	
3	1.00	4.90	42.76	98.90	55.00	28.04	44.06	17.08	7.80	2.45	0.00	0.00	
4	0.80	4.70	53.98	117.86	47.03	49.67	37.80	25.52	7.57	2.45	0.20	0.00	
5	0.70	4.70	54.66	71.37	44.72	75.08	37.50	24.68	7.11	2.30	0.60	0.00	
6	0.60	4.70	48.02	55.00	39.30	55.68	38.70	22.72	6.65	2.00	0.30	0.00	
7	0.70	4.70	36.62	50.99	48.35	45.71	38.10	21.88	6.19	2.00	0.00	0.00	
8	0.90	4.70	28.32	50.99	53.98	58.45	37.50	21.32	5.96	1.90	0.00	0.00	
9	0.40	7.57	23.84	52.64	64.78	64.42	39.00	21.04	5.73	1.80	0.00	0.00	
10	0.30	17.86	27.76	55.00	51.98	48.35	40.20	21.04	5.50	1.80	0.00	0.00	
11	0.00	12.26	33.14	60.55	50.00	71.74	42.12	21.60	5.30	1.80	0.00	0.00	
12	0.00	24.12	48.35	90.10	45.71	87.70	43.73	21.32	5.30	1.70	0.00	0.00	
13	0.00	18.12	76.98	82.50	43.08	65.86	44.72	21.04	5.10	1.60	0.00	0.00	
14	0.00	15.26	113.30	61.25	41.16	58.10	44.72	21.88	4.90	1.50	0.00	0.00	
15	0.00	13.75	105.70	51.98	39.30	60.55	37.80	20.20	4.70	1.50	0.00	0.00	
16	0.00	13.25	60.90	50.00	40.84	62.65	36.91	17.34	4.50	1.40	0.00	0.00	
17	0.30	17.86	49.34	52.97	38.10	111.70	40.52	15.00	4.10	1.30	0.00	0.00	
18	1.30	16.30	42.76	44.72	39.00	102.90	38.10	13.25	4.10	1.30	0.00	0.00	
19	1.40	13.00	44.06	40.20	45.71	76.60	38.10	13.00	3.90	1.20	0.00	0.00	
20	1.50	12.02	44.72	37.80	55.68	122.14	36.33	12.02	3.90	1.20	0.00	0.00	
21	2.45	11.30	43.40	36.62	60.55	158.90	38.70	12.02	4.10	1.10	0.00	0.00	
22	2.45	14.00	52.64	32.56	59.15	143.64	58.10	12.50	3.90	1.10	0.00	0.00	
23	2.75	20.48	56.36	30.56	50.00	106.50	55.34	11.30	3.70	1.10	0.00	0.00	
24	2.45	15.78	65.86	30.00	46.70	78.90	43.40	10.58	3.35	1.10	0.00	0.00	
25	2.45	15.52	63.00	28.32	41.48	75.46	37.20	10.10	3.35	1.00	0.00	0.00	
26	5.73	17.86	55.34	30.84	37.80	64.78	34.59	9.87	3.20	1.00	0.00	0.00	
27	4.90	16.56	48.02	30.00	35.46	56.70	32.27	10.34	3.05	1.00	0.00	0.00	
28	5.10	16.56	40.52	28.60	34.01	58.10	32.85	9.41	3.05	0.30	0.00	0.00	
29	7.11	24.12	35.46	34.88	31.98	51.32	29.72	8.95	2.90	0.10		0.00	
30	5.30	25.52	31.98	36.04	31.40	47.03	28.04	8.72	2.75	0.50		0.00	
31		23.84		56.02	30.00		25.80		2.75	0.40		0.00	
TOTAL	50.79	424.15	1483.03	1565.60	1414.72	2141.07	1219.77	502.00	150.70	45.10	1.70	0.00	8998.63 CMSDAY
MEAN	1.69	13.68	49.43	50.50	45.64	71.37	39.35	16.73	4.86	1.45	0.06	0.00	24.65 CMS
MAX	7.11	25.52	113.30	117.86	64.78	158.90	58.10	25.52	8.26	2.60	0.60	0.00	158.90 CMS
MIN	0.00	4.70	23.84	28.32	30.00	26.36	25.80	8.72	2.75	0.10	0.00	0.00	0.00 CMS
RUNOFF	4.388	36.647	128.134	135.268	122.232	184.988	105.388	43.373	13.020	3.897	0.147	0.000	777.482 MCM

MOMENTARY PEAK 162.50 CMS, AT 5.00 M (A.D), AT 15.00 HOURS, ON SEP 21, 1985

RUNOFF YIELD 36.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 242.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

EAST COAST-GULF BASIN

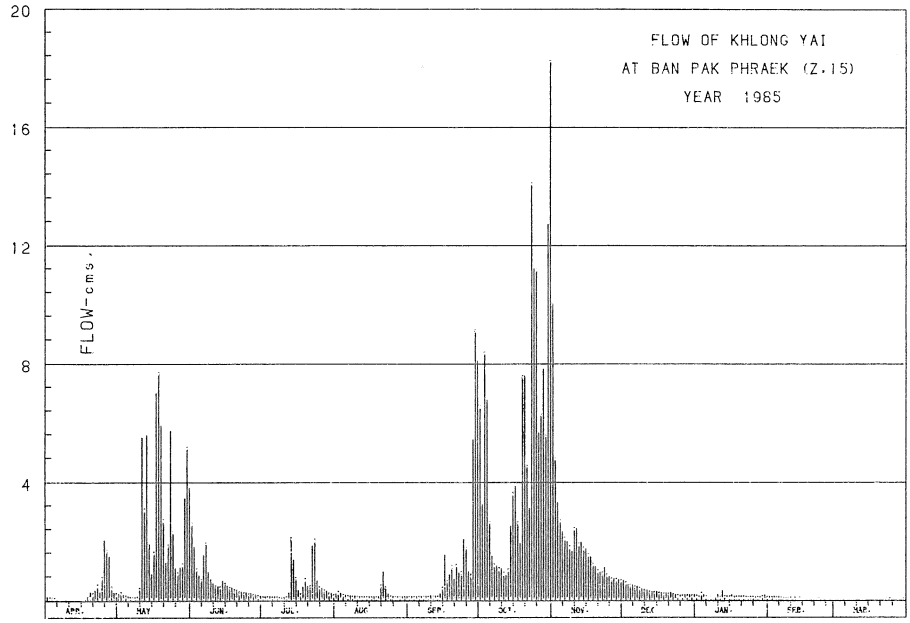
KHLONG YAI AT BAN PAK PHRAEK, RAYONG (Z.15)

LOCATION	LAT. 12-55-41 N., LONG. 101-19-30 E., ON RIGHT BANK AT BAN PAK PHRAEK, KING AMPHOE PLUAK DAENG, RAYONG.
DRAINAGE AREA	244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+4.715 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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
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 103 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.33	0.42	1.52	0.35	0.42	0.34	2.28	2.53	0.68	0.38	0.33	0.29	
2	0.32	0.46	1.21	0.35	0.47	0.34	1.72	2.06	0.65	0.35	0.33	0.29	
3	0.31	0.40	0.90	0.35	0.43	0.34	2.43	1.74	0.60	0.44	0.34	0.29	
4	0.30	0.38	0.78	0.35	0.41	0.34	2.30	1.55	0.60	0.39	0.33	0.29	
5	0.29	0.35	0.71	0.34	0.39	0.34	1.53	1.41	0.59	0.36	0.33	0.29	
6	0.28	0.33	1.09	0.34	0.38	0.34	1.08	1.34	0.57	0.31	0.31	0.29	
7	0.27	0.32	1.27	0.34	0.37	0.35	0.96	1.28	0.56	0.33	0.30	0.29	
8	0.26	0.32	0.84	0.32	0.36	0.35	0.93	1.22	0.54	0.31	0.30	0.29	
9	0.25	0.34	0.70	0.30	0.36	0.35	0.91	1.14	0.51	0.38	0.31	0.29	
10	0.24	0.54	0.62	0.32	0.35	0.36	0.89	1.46	0.50	0.40	0.31	0.29	
11	0.23	2.16	0.59	0.34	0.34	0.36	0.83	1.45	0.49	0.34	0.31	0.29	
12	0.22	1.68	0.57	0.44	0.34	0.36	0.77	1.26	0.47	0.47	0.31	0.29	
13	0.21	2.17	0.57	1.34	0.34	0.35	0.89	1.27	0.46	0.36	0.31	0.29	
14	0.20	1.24	0.67	1.02	0.34	0.42	1.48	1.20	0.46	0.35	0.31	0.29	
15	0.19	0.80	0.64	0.74	0.34	0.55	1.83	1.18	0.46	0.35	0.29	0.29	
16	0.18	1.14	0.58	0.49	0.34	1.09	1.88	1.11	0.45	0.39	0.29	0.28	
17	0.24	2.32	0.55	0.43	0.34	0.67	1.53	1.06	0.44	0.34	0.28	0.28	
18	0.33	2.38	0.54	0.55	0.34	0.79	1.26	0.97	0.43	0.35	0.29	0.28	
19	0.45	2.21	0.51	0.72	0.34	0.94	2.37	0.92	0.43	0.35	0.29	0.28	
20	0.44	1.56	0.50	0.57	0.60	0.70	2.37	0.87	0.43	0.35	0.29	0.27	
21	0.49	0.98	0.47	0.58	0.84	0.95	2.02	0.83	0.44	0.35	0.29	0.27	
22	0.61	1.24	0.46	1.22	0.56	0.82	1.68	0.83	0.42	0.34	0.29	0.27	
23	0.45	2.19	0.45	1.32	0.42	0.84	2.72	0.91	0.40	0.33	0.29	0.30	
24	0.75	1.42	0.45	0.68	0.37	1.31	2.59	0.80	0.40	0.34	0.29	0.28	
25	1.30	0.90	0.43	0.56	0.35	1.20	2.59	0.75	0.38	0.34	0.29	0.29	
26	1.17	0.83	0.43	0.53	0.34	0.84	2.18	0.72	0.39	0.32	0.29	0.28	
27	1.07	0.91	0.42	0.50	0.34	0.80	2.25	0.71	0.39	0.33	0.29	0.28	
28	0.57	0.97	0.40	0.47	0.34	2.15	2.39	0.71	0.40	0.33	0.29	0.28	
29	0.44	1.78	0.39	0.44	0.34	2.48	2.17	0.69	0.39	0.36		0.28	
30	0.44	2.12	0.36	0.43	0.34	2.41	2.66	0.69	0.40	0.38		0.27	
31		1.87		0.41	0.34		2.87		0.40	0.34		0.27	
MEAN	0.43	1.18	0.65	0.55	0.39	0.78	1.82	1.16	0.48	0.36	0.30	0.28	
MAX	1.30	2.38	1.52	1.34	0.84	2.48	2.87	2.53	0.68	0.47	0.34	0.30	2.87
MIN	0.18	0.32	0.36	0.30	0.34	0.34	0.77	0.69	0.38	0.31	0.28	0.27	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.97 M (A.D), AT 6.00 HOURS, ON OCT 31, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 4.11 M (A.D)
RIGHT BANK ELEVATION 4.10 M (A.D), DRAINAGE AREA 244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.23	2.64	0.15	0.23	0.14	6.59	10.03	0.68	0.18	0.13	0.09	
2	0.12	0.30	1.82	0.15	0.32	0.14	3.25	4.81	0.63	0.15	0.13	0.09	
3	0.11	0.20	1.10	0.15	0.25	0.14	8.40	3.32	0.54	0.27	0.14	0.09	
4	0.10	0.18	0.86	0.15	0.22	0.14	6.78	2.73	0.54	0.19	0.13	0.09	
5	0.09	0.15	0.74	0.14	0.19	0.14	2.67	2.33	0.52	0.16	0.13	0.09	
6	0.08	0.13	1.54	0.14	0.18	0.14	1.51	2.14	0.49	0.11	0.11	0.09	
7	0.07	0.12	1.97	0.14	0.17	0.15	1.24	1.99	0.47	0.13	0.10	0.09	
8	0.06	0.12	0.98	0.12	0.16	0.15	1.17	1.85	0.44	0.11	0.10	0.09	
9	0.05	0.14	0.72	0.10	0.16	0.15	1.12	1.66	0.39	0.18	0.11	0.09	
10	0.04	0.44	0.58	0.12	0.15	0.16	1.08	2.47	0.37	0.20	0.11	0.09	
11	0.03	5.51	0.52	0.14	0.14	0.16	0.96	2.44	0.35	0.14	0.11	0.09	
12	0.02	3.12	0.49	0.27	0.14	0.16	0.85	1.94	0.32	0.32	0.11	0.09	
13	0.01	5.59	0.49	2.14	0.14	0.15	1.08	1.97	0.30	0.16	0.11	0.09	
14	0.00	1.90	0.67	1.38	0.14	0.23	2.52	1.80	0.30	0.15	0.11	0.09	
15	0.00	0.90	0.61	0.79	0.14	0.46	3.66	1.75	0.30	0.15	0.09	0.09	
16	0.00	1.66	0.51	0.35	0.14	1.54	3.87	1.58	0.28	0.19	0.09	0.08	
17	0.04	7.01	0.46	0.25	0.14	0.67	2.67	1.47	0.27	0.14	0.08	0.08	
18	0.13	7.72	0.44	0.46	0.14	0.88	1.94	1.26	0.25	0.15	0.09	0.08	
19	0.28	5.92	0.39	0.76	0.14	1.19	7.60	1.15	0.25	0.15	0.09	0.08	
20	0.27	2.76	0.37	0.49	0.54	0.72	7.60	1.04	0.25	0.15	0.09	0.07	
21	0.35	1.28	0.32	0.51	0.98	1.22	4.57	0.96	0.27	0.15	0.09	0.07	
22	0.56	1.90	0.30	1.85	0.47	0.94	3.12	0.96	0.23	0.14	0.09	0.07	
23	0.28	5.74	0.28	2.09	0.23	0.98	14.12	1.12	0.20	0.13	0.09	0.10	
24	0.81	2.36	0.28	0.68	0.17	2.07	11.21	0.90	0.20	0.14	0.09	0.08	
25	2.04	1.10	0.25	0.47	0.15	1.80	11.21	0.81	0.18	0.14	0.09	0.09	
26	1.73	0.96	0.25	0.42	0.14	0.98	5.67	0.76	0.19	0.12	0.09	0.08	
27	1.49	1.12	0.23	0.37	0.14	0.90	6.30	0.74	0.19	0.13	0.09	0.08	
28	0.49	1.26	0.20	0.32	0.14	5.44	7.83	0.74	0.20	0.13	0.09	0.08	
29	0.27	3.46	0.19	0.27	0.14	9.15	5.59	0.70	0.19	0.16		0.08	
30	0.27	5.20	0.16	0.25	0.14	8.10	12.72	0.70	0.20	0.18		0.07	
31		3.82		0.22	0.14		18.26		0.20	0.14		0.07	
TOTAL	9.92	72.30	20.36	15.84	6.67	39.19	167.16	58.12	10.19	4.94	2.88	2.61	410.18 CMSDAY
MEAN	0.33	2.33	0.68	0.51	0.22	1.31	5.39	1.94	0.33	0.16	0.10	0.08	1.12 CMS
MAX	2.04	7.72	2.64	2.14	0.98	9.15	18.26	10.03	0.68	0.32	0.14	0.10	18.26 CMS
MIN	0.00	0.12	0.16	0.10	0.14	0.14	0.85	0.70	0.18	0.11	0.08	0.07	0.00 CMS
RUNOFF	0.857	6.247	1.759	1.369	0.576	3.386	14.443	5.022	0.880	0.427	0.249	0.226	35.440 MCM

MOMENTARY PEAK 21.42 CMS, AT 2.97 M (A.D), AT 6.00 HOURS, ON OCT 31, 1985

RUNOFF YIELD 4.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 87.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

EAST COAST-GULF BASIN

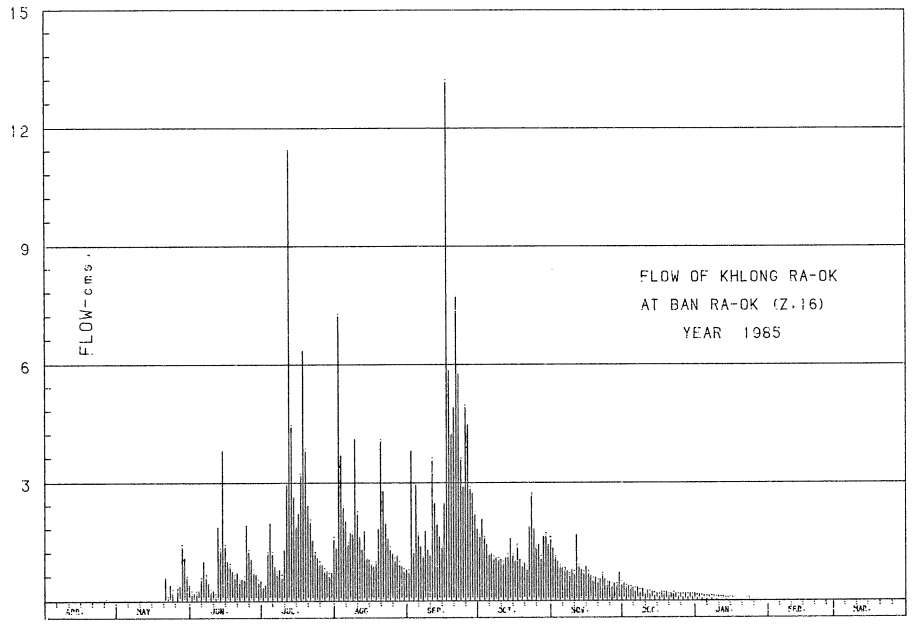
KHLONG RA-OK AT BAN RA-OK, RAYONG (Z.16)

LOCATION	LAT. 12-51-38 N., LONG. 101-45-41 E., ON RIGHT BANK NEAR KHAO CHUK AT BAN RA-OK TAMBON THUNG KHWAI KIN, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	41 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+3.368 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 112 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.55	0.60	0.72	0.77	0.98	0.86	1.05	0.98	0.77	0.68	0.59	0.49	
2	0.54	0.59	0.70	0.76	1.96	1.45	1.13	0.94	0.76	0.68	0.57	0.49	
3	0.54	0.59	0.72	0.96	1.43	0.97	1.04	0.91	0.75	0.68	0.57	0.50	
4	0.54	0.61	0.72	1.11	1.20	1.30	1.00	0.89	0.75	0.67	0.56	0.49	
5	0.53	0.61	0.81	0.96	1.12	1.06	0.96	0.87	0.74	0.67	0.56	0.49	
6	0.53	0.60	0.91	0.88	1.01	0.99	0.95	0.87	0.74	0.67	0.56	0.49	
7	0.53	0.60	0.83	0.85	1.06	0.95	0.94	0.85	0.74	0.67	0.56	0.48	
8	0.52	0.59	0.77	0.86	1.07	1.07	0.93	0.84	0.73	0.67	0.57	0.48	
9	0.52	0.60	0.73	0.83	1.50	0.99	0.93	0.86	0.73	0.66	0.60	0.48	
10	0.51	0.60	0.72	0.97	1.17	0.94	0.92	0.85	0.72	0.66	0.60	0.49	
11	0.51	0.60	0.70	1.31	1.04	1.42	0.91	1.05	0.72	0.66	0.57	0.50	
12	0.51	0.60	1.09	2.40	0.99	1.21	0.93	0.89	0.72	0.66	0.56	0.50	
13	0.51	0.60	0.98	1.56	1.07	1.12	0.95	0.86	0.71	0.65	0.56	0.48	
14	0.51	0.60	1.45	1.24	0.94	1.04	1.03	0.85	0.71	0.65	0.55	0.48	
15	0.50	0.60	1.00	1.10	0.92	1.00	0.95	0.88	0.70	0.65	0.55	0.49	
16	0.50	0.60	0.91	1.16	0.91	1.21	0.91	0.85	0.70	0.65	0.55	0.49	
17	0.50	0.59	0.90	1.35	0.88	2.55	1.00	0.82	0.71	0.65	0.55	0.48	
18	0.49	0.57	0.85	1.84	0.91	1.77	0.92	0.81	0.71	0.64	0.54	0.48	
19	0.49	0.57	0.83	1.46	1.08	1.53	0.90	0.81	0.71	0.63	0.54	0.48	
20	0.49	0.56	0.84	1.20	1.50	1.63	0.90	0.80	0.70	0.63	0.54	0.49	
21	0.48	0.81	0.80	1.13	1.27	2.02	0.88	0.80	0.70	0.64	0.53	0.48	
22	0.50	0.66	0.80	1.02	1.12	1.76	1.09	0.84	0.71	0.65	0.53	0.48	
23	0.52	0.76	0.82	0.96	1.03	1.42	1.26	0.80	0.70	0.64	0.53	0.48	
24	0.54	0.73	1.10	0.93	0.99	1.29	1.08	0.78	0.70	0.63	0.53	0.48	
25	0.55	0.63	0.97	0.91	0.95	1.64	0.99	0.78	0.70	0.63	0.52	0.48	
26	0.63	0.76	0.92	0.89	0.93	1.56	1.00	0.77	0.70	0.63	0.52	0.48	
27	0.60	0.75	0.86	0.87	0.94	1.29	0.94	0.77	0.70	0.63	0.52	0.48	
28	0.59	1.00	0.83	0.85	0.91	1.26	1.04	0.77	0.70	0.63	0.51	0.48	
29	0.59	0.93	0.80	0.84	0.88	1.17	1.06	0.84	0.70	0.62		0.48	
30	0.59	0.82	0.79	0.84	0.87	1.08	1.00	0.78	0.70	0.62		0.48	
31		0.76		1.04	0.86		1.04		0.70	0.62		0.48	
MEAN	0.53	0.66	0.86	1.09	1.08	1.32	0.99	0.85	0.72	0.65	0.55	0.48	
MAX	0.63	1.00	1.45	2.40	1.96	2.55	1.26	1.05	0.77	0.68	0.60	0.50	2.55
MIN	0.48	0.56	0.70	0.76	0.86	0.86	0.88	0.77	0.70	0.62	0.51	0.48	0.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.10 M (A.D), AT 18.00 HOURS, ON JUL 11, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.30 M (A.D)
LEFT BANK ELEVATION 3.77 M (A.D)
RIGHT BANK ELEVATION 7.10 M (A.D), DRAINAGE AREA 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.01	0.25	0.44	1.33	0.79	1.67	1.33	0.44	0.15	0.01	0.00	
2	0.00	0.01	0.18	0.40	7.28	3.81	2.07	1.14	0.40	0.15	0.01	0.00	
3	0.00	0.01	0.25	1.24	3.69	1.29	1.63	1.00	0.37	0.15	0.01	0.00	
4	0.00	0.03	0.25	1.97	2.42	2.94	1.43	0.91	0.37	0.13	0.01	0.00	
5	0.00	0.03	0.59	1.24	2.02	1.72	1.24	0.83	0.33	0.13	0.01	0.00	
6	0.00	0.01	1.00	0.87	1.48	1.38	1.19	0.83	0.33	0.13	0.01	0.00	
7	0.00	0.01	0.67	0.75	1.72	1.19	1.14	0.75	0.33	0.13	0.01	0.00	
8	0.00	0.01	0.44	0.79	1.77	1.77	1.09	0.71	0.29	0.13	0.01	0.00	
9	0.00	0.01	0.29	0.67	4.10	1.38	1.09	0.79	0.29	0.11	0.01	0.00	
10	0.00	0.01	0.25	1.29	2.27	1.14	1.05	0.75	0.25	0.11	0.01	0.00	
11	0.00	0.01	0.18	3.00	1.63	3.63	1.00	1.67	0.25	0.11	0.01	0.00	
12	0.00	0.01	1.87	11.45	1.38	2.47	1.09	0.91	0.25	0.11	0.01	0.00	
13	0.00	0.01	1.33	4.47	1.77	2.02	1.19	0.79	0.22	0.09	0.01	0.00	
14	0.00	0.01	3.81	2.63	1.14	1.63	1.58	0.75	0.22	0.09	0.01	0.00	
15	0.00	0.01	1.43	1.92	1.05	1.43	1.19	0.87	0.18	0.09	0.01	0.00	
16	0.00	0.01	1.00	2.22	1.00	2.47	1.00	0.75	0.18	0.09	0.01	0.00	
17	0.00	0.01	0.95	3.23	0.87	13.23	1.43	0.63	0.22	0.09	0.01	0.00	
18	0.00	0.01	0.75	6.35	1.00	5.84	1.05	0.59	0.22	0.08	0.00	0.00	
19	0.00	0.01	0.67	3.86	1.82	4.29	0.95	0.59	0.22	0.06	0.00	0.00	
20	0.00	0.01	0.71	2.42	4.10	4.91	0.95	0.55	0.18	0.06	0.00	0.00	
21	0.00	0.59	0.55	2.07	2.78	7.77	0.87	0.55	0.18	0.08	0.00	0.00	
22	0.00	0.11	0.55	1.53	2.02	5.77	1.87	0.71	0.22	0.09	0.00	0.00	
23	0.00	0.40	0.63	1.24	1.58	3.63	2.73	0.55	0.18	0.08	0.00	0.00	
24	0.00	0.29	1.92	1.09	1.38	2.89	1.82	0.48	0.18	0.06	0.00	0.00	
25	0.01	0.06	1.29	1.00	1.19	4.97	1.38	0.48	0.18	0.06	0.00	0.00	
26	0.06	0.40	1.05	0.91	1.09	4.47	1.43	0.44	0.18	0.06	0.00	0.00	
27	0.01	0.37	0.79	0.83	1.14	2.89	1.14	0.44	0.18	0.06	0.00	0.00	
28	0.01	1.43	0.67	0.75	1.00	2.73	1.63	0.44	0.18	0.06	0.00	0.00	
29	0.01	1.09	0.55	0.71	0.87	2.27	1.72	0.71	0.18	0.04		0.00	
30	0.01	0.63	0.51	0.71	0.83	1.82	1.43	0.48	0.18	0.04		0.00	
31		0.40		1.63	0.79		1.63		0.18	0.04		0.00	
TOTAL	0.12	6.01	25.38	63.68	58.51	98.54	42.68	22.42	7.56	2.86	0.17	0.00	327.93 CMSDAY
MEAN	0.00	0.19	0.85	2.05	1.89	3.28	1.38	0.75	0.24	0.09	0.01	0.00	0.90 CMS
MAX	0.06	1.43	3.81	11.45	7.28	13.23	2.73	1.67	0.44	0.15	0.01	0.00	13.23 CMS
MIN	0.00	0.01	0.18	0.40	0.79	0.79	0.87	0.44	0.18	0.04	0.00	0.00	0.00 CMS
RUNOFF	0.010	0.519	2.193	5.502	5.055	8.514	3.688	1.937	0.653	0.247	0.015	0.000	28.333 MCM

MOMENTARY PEAK 21.20 CMS, AT 3.10 M (A.D), AT 18.00 HOURS, ON JUL 11, 1985

RUNOFF YIELD 21.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 517.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

EAST COAST-GULF BASIN

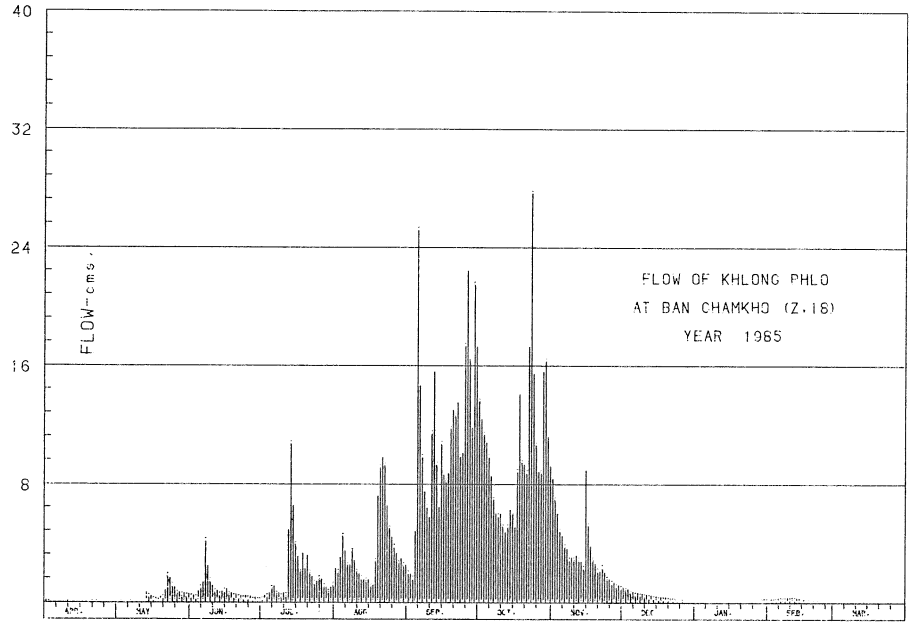
KHLONG PHLO AT BAN CHAMKHO, RAYONG (Z.18)

LOCATION	LAT. 12-57-22 N., LONG. 101-40-31 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN CHAMKHO, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	167 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK VICINITY OF THE STATION OFFICE.
ELEVATION	+5.819 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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 110 DISCHAGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.94	0.92	1.11	1.05	1.48	1.46	2.75	2.21	1.25	0.99	1.01	0.89	
2	0.92	0.92	1.09	1.08	1.47	1.42	2.62	2.08	1.24	0.98	1.01	0.89	
3	0.91	0.92	1.09	1.12	1.59	1.40	2.53	1.96	1.22	0.98	1.02	0.90	
4	0.90	0.93	1.18	1.14	1.80	1.82	2.46	1.84	1.20	0.97	1.02	0.91	
5	0.90	0.94	1.28	1.27	1.65	3.72	2.38	1.78	1.17	0.96	1.03	0.92	
6	0.89	0.95	1.32	1.26	1.54	2.83	2.23	1.71	1.16	0.95	1.04	0.93	
7	0.88	0.94	1.76	1.18	1.52	2.38	2.08	1.67	1.15	0.95	1.03	0.92	
8	0.88	0.93	1.51	1.14	1.67	2.12	1.96	1.59	1.14	0.94	1.04	0.94	
9	0.88	0.93	1.37	1.12	1.56	2.03	1.96	1.59	1.13	0.94	1.04	0.92	
10	0.88	0.93	1.27	1.14	1.47	1.93	1.96	1.59	1.12	0.94	1.04	0.93	
11	0.88	0.96	1.22	1.15	1.42	2.54	1.87	1.61	1.11	0.95	1.05	0.94	
12	0.86	0.95	1.19	1.83	1.40	2.91	1.81	1.59	1.10	0.93	1.05	0.94	
13	0.85	1.15	1.16	2.47	1.35	2.33	1.87	1.55	1.09	0.93	1.03	0.97	
14	0.85	1.12	1.17	2.02	1.37	2.01	1.99	1.51	1.08	0.92	1.02	0.88	
15	0.85	1.07	1.23	1.73	1.35	2.47	1.98	2.27	1.07	0.92	1.01	0.91	
16	0.85	1.05	1.22	1.60	1.30	2.24	1.85	1.88	1.06	0.92	1.00	0.91	
17	0.86	1.03	1.17	1.47	1.28	2.21	2.28	1.69	1.06	0.91	0.99	0.92	
18	0.87	1.01	1.14	1.63	1.58	2.25	2.78	1.59	1.05	0.92	1.00	0.92	
19	0.91	1.05	1.12	1.52	2.09	2.57	2.34	1.53	1.05	0.91	0.99	0.89	
20	0.92	1.09	1.11	1.61	2.31	2.68	2.31	1.48	1.04	0.91	0.99	0.88	
21	0.92	1.20	1.10	1.46	2.36	2.66	2.27	1.45	1.03	0.91	1.00	0.90	
22	0.91	1.43	1.08	1.39	2.32	2.73	3.06	1.52	1.03	0.91	0.98	0.91	
23	0.91	1.37	1.07	1.34	2.02	2.38	3.91	1.44	1.02	0.91	0.98	0.89	
24	0.91	1.31	1.08	1.33	1.86	2.39	2.90	1.39	1.02	0.91	0.97	0.88	
25	0.92	1.25	1.07	1.40	1.77	3.08	2.46	1.36	1.01	0.95	0.92	0.90	
26	0.92	1.19	1.06	1.36	1.71	3.49	2.26	1.34	1.01	0.99	0.89	0.89	
27	0.92	1.16	1.04	1.30	1.63	3.00	2.27	1.32	1.00	1.00	0.89	0.81	
28	0.91	1.15	1.04	1.25	1.56	2.56	2.91	1.30	1.00	1.00	0.89	0.86	
29	0.91	1.14	1.03	1.22	1.58	3.43	2.99	1.28	1.00	1.01		0.86	
30	0.92	1.13	1.03	1.25	1.54	3.06	2.50	1.27	0.99	1.02		0.85	
31		1.12		1.32	1.52		2.32		0.99	1.01		0.82	
MEAN	0.89	1.07	1.18	1.39	1.65	2.47	2.38	1.61	1.08	0.95	1.00	0.90	
MAX	0.94	1.43	1.76	2.47	2.36	3.72	3.91	2.27	1.25	1.02	1.05	0.97	3.91
MIN	0.85	0.92	1.03	1.05	1.28	1.40	1.81	1.27	0.99	0.91	0.89	0.81	0.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.24 M (A.D), AT 6.00 HOURS, ON OCT 23, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 6.95 M (A.D)
RIGHT BANK ELEVATION 8.88 M (A.D), DRAINAGE AREA 167 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.12	0.53	0.35	2.28	2.16	13.75	8.35	1.02	0.19	0.23	0.09	
2	0.12	0.12	0.47	0.44	2.22	1.92	12.40	7.11	0.98	0.18	0.23	0.09	
3	0.11	0.12	0.47	0.56	3.03	1.80	11.50	6.01	0.89	0.18	0.26	0.10	
4	0.10	0.13	0.74	0.62	4.65	4.82	10.80	4.99	0.80	0.17	0.26	0.11	
5	0.10	0.14	1.16	1.12	3.47	25.36	10.00	4.49	0.71	0.16	0.29	0.12	
6	0.09	0.15	1.36	1.07	2.68	14.64	8.54	3.93	0.68	0.15	0.32	0.13	
7	0.08	0.14	4.33	0.74	2.54	10.00	7.11	3.62	0.65	0.15	0.29	0.12	
8	0.08	0.13	2.47	0.62	3.62	7.49	6.01	3.03	0.62	0.14	0.32	0.14	
9	0.08	0.13	1.64	0.56	2.82	6.63	6.01	3.03	0.59	0.14	0.32	0.12	
10	0.08	0.13	1.12	0.62	2.22	5.75	6.01	3.03	0.56	0.14	0.32	0.13	
11	0.08	0.16	0.89	0.65	1.92	11.60	5.25	3.17	0.53	0.15	0.35	0.14	
12	0.06	0.15	0.77	4.91	1.80	15.57	4.74	3.03	0.50	0.13	0.35	0.14	
13	0.05	0.65	0.68	10.90	1.53	9.50	5.25	2.75	0.47	0.13	0.29	0.17	
14	0.05	0.56	0.71	6.54	1.64	6.44	6.26	2.47	0.44	0.12	0.26	0.08	
15	0.05	0.41	0.94	4.09	1.53	10.90	6.18	8.92	0.41	0.12	0.23	0.11	
16	0.05	0.35	0.89	3.10	1.25	8.63	5.08	5.33	0.38	0.12	0.20	0.11	
17	0.06	0.29	0.71	2.22	1.16	8.35	9.01	3.78	0.38	0.11	0.19	0.12	
18	0.07	0.23	0.62	3.32	2.96	8.73	14.08	3.03	0.35	0.12	0.20	0.12	
19	0.11	0.35	0.56	2.54	7.20	11.90	9.60	2.61	0.35	0.11	0.19	0.09	
20	0.12	0.47	0.53	3.17	9.30	13.00	9.30	2.28	0.32	0.11	0.19	0.08	
21	0.12	0.80	0.50	2.16	9.80	12.80	8.92	2.10	0.29	0.11	0.20	0.10	
22	0.11	1.98	0.44	1.75	9.40	13.53	17.29	2.54	0.29	0.11	0.18	0.11	
23	0.11	1.64	0.41	1.47	6.54	10.00	27.83	2.04	0.26	0.11	0.18	0.09	
24	0.11	1.30	0.44	1.42	5.16	10.10	15.45	1.75	0.26	0.11	0.17	0.08	
25	0.12	1.02	0.41	1.80	4.41	17.52	10.80	1.58	0.23	0.15	0.12	0.10	
26	0.12	0.77	0.38	1.58	3.93	22.42	8.82	1.47	0.23	0.19	0.09	0.09	
27	0.12	0.68	0.32	1.25	3.32	16.60	8.92	1.36	0.20	0.20	0.09	0.01	
28	0.11	0.65	0.32	1.02	2.82	11.80	15.57	1.25	0.20	0.20	0.09	0.06	
29	0.11	0.62	0.29	0.89	2.96	21.67	16.48	1.16	0.20	0.23		0.06	
30	0.12	0.59	0.29	1.02	2.68	17.29	11.20	1.12	0.19	0.26		0.05	
31		0.56		1.36	2.54		9.40		0.19	0.23		0.02	
TOTAL	2.83	15.54	25.39	63.86	113.38	338.92	317.56	101.33	14.17	4.72	6.41	3.08	1007.19 CMSDAY
MEAN	0.09	0.50	0.85	2.06	3.66	11.30	10.24	3.38	0.46	0.15	0.23	0.10	2.76 CMS
MAX	0.14	1.98	4.33	10.90	9.80	25.36	27.83	8.92	1.02	0.26	0.35	0.17	27.83 CMS
MIN	0.05	0.12	0.29	0.35	1.16	1.80	4.74	1.12	0.19	0.11	0.09	0.01	0.01 CMS
RUNOFF	0.245	1.343	2.194	5.518	9.796	29.283	27.437	8.755	1.224	0.408	0.554	0.266	87.021 MCM

MOMENTARY PEAK 32.21 CMS, AT 4.24 M (A.D), AT 6.00 HOURS, ON OCT 23, 1985

RUNOFF YIELD 16.52 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 192.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

CHANTHABURI RIVER BASIN

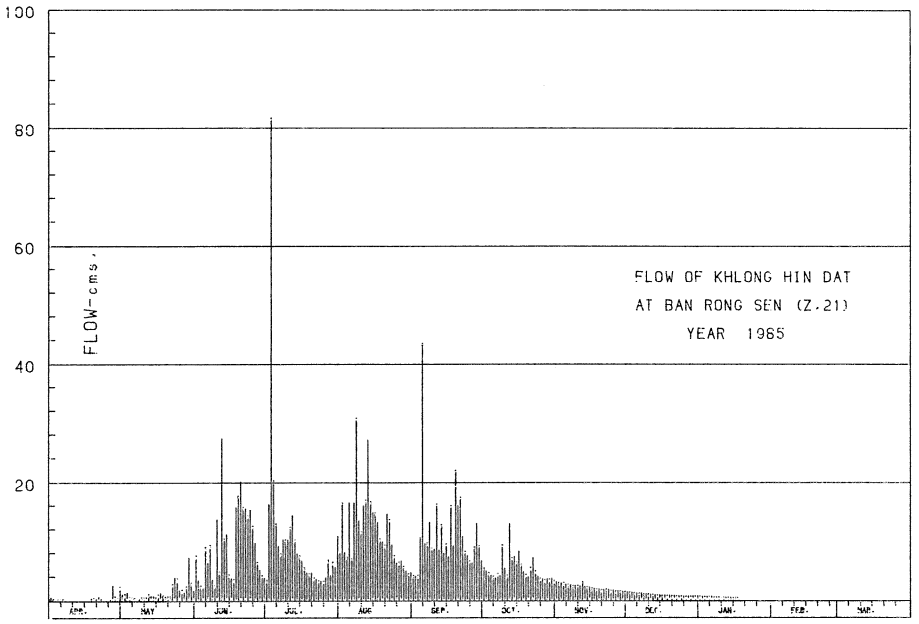
KHLONG HIN DAT AT BAN RONG SEN, CHANTHABURI (Z.21)

LOCATION	LAT. 12-47-23 N., LONG. 102-15-33 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, BAN RONG SEN, AMPHOE MAKHAM, CHANTHABURI.
DRAINAGE AREA	66 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 40 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+6.487 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.	1984 TO DATE.
RATED BY FLOAT	-
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 119 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	0.81	1.31	1.05	1.33	1.11	1.19	1.02	0.85	0.76	0.94	1.14	
2	0.68	0.82	1.04	1.74	1.75	1.10	1.16	1.01	0.85	0.75	1.17	1.21	
3	0.67	0.84	0.96	3.87	1.34	1.11	1.14	1.00	0.84	0.75	1.18	1.11	
4	0.66	0.75	0.91	1.91	1.30	1.48	1.11	1.01	0.84	0.75	1.17	1.02	
5	0.68	0.72	1.39	1.60	1.75	2.77	1.10	0.98	0.83	0.75	1.17	0.94	
6	0.67	0.71	1.24	1.40	1.28	1.42	1.07	0.98	0.83	0.75	1.16	0.86	
7	0.66	0.70	1.41	1.33	1.75	1.43	1.13	0.97	0.83	0.73	1.16	0.79	
8	0.65	0.77	1.05	1.46	2.33	1.61	1.11	0.96	0.82	0.73	1.18	0.71	
9	0.60	0.73	0.97	1.46	1.62	1.38	1.41	0.96	0.82	0.73	1.17	0.63	
10	0.56	0.72	1.63	1.46	1.53	1.37	1.19	0.96	0.82	0.71	1.16	0.54	
11	0.55	0.73	1.15	1.57	1.73	1.74	1.11	0.95	0.81	0.72	1.17	0.48	
12	0.54	0.82	2.20	1.66	1.77	1.36	1.60	1.02	0.81	0.72	1.15	0.47	
13	0.51	0.77	1.47	1.46	2.19	1.59	1.29	0.94	0.80	0.72	1.13	0.43	
14	0.50	0.76	1.51	1.33	1.76	1.33	1.30	0.94	0.80	0.72	1.13	0.40	
15	0.46	0.73	1.12	1.31	1.68	1.42	1.25	0.93	0.79	0.71	1.13	0.39	
16	0.45	0.81	1.07	1.26	1.68	1.30	1.35	0.92	0.79	0.71	1.12	0.39	
17	0.50	0.83	1.06	1.20	1.61	1.73	1.23	0.91	0.79	0.71	1.14	0.38	
18	0.69	0.79	1.72	1.14	1.47	1.40	1.15	0.90	0.78	0.71	1.13	0.38	
19	0.71	0.74	1.80	1.13	1.44	1.98	1.12	0.90	0.79	0.72	1.13	0.36	
20	0.66	0.76	1.90	1.14	1.41	1.73	1.09	0.89	0.78	0.79	1.12	0.36	
21	0.74	0.77	1.72	1.08	1.67	1.79	1.20	0.89	0.78	0.78	1.09	0.33	
22	0.67	0.99	1.71	1.06	1.63	1.49	1.29	0.90	0.77	0.77	1.07	0.30	
23	0.65	1.08	1.66	1.04	1.41	1.35	1.16	0.89	0.77	0.75	1.20	0.27	
24	0.62	1.07	1.70	1.03	1.31	1.31	1.10	0.88	0.77	0.74	1.29	0.24	
25	0.61	0.88	1.58	1.03	1.24	1.26	1.07	0.88	0.76	0.77	1.17	0.24	
26	0.66	0.89	1.43	1.08	1.25	1.24	1.06	0.87	0.76	0.76	1.20	0.24	
27	0.96	0.84	1.25	1.27	1.26	1.39	1.05	0.87	0.76	0.80	1.18	0.24	
28	0.76	0.95	1.17	1.11	1.21	1.60	1.06	0.87	0.76	0.83	1.20	0.24	
29	0.71	1.29	1.11	1.25	1.16	1.40	1.06	0.86	0.76	0.83		0.23	
30	0.95	1.01	1.07	1.20	1.13	1.26	1.07	0.86	0.76	0.84		0.23	
31		0.87		1.49	1.14		1.04		0.76	0.87		0.21	
MEAN	0.65	0.84	1.38	1.39	1.52	1.48	1.17	0.93	0.80	0.75	1.15	0.51	
MAX	0.96	1.29	2.20	3.87	2.33	2.77	1.60	1.02	0.85	0.87	1.29	1.21	3.87
MIN	0.45	0.70	0.91	1.03	1.13	1.10	1.04	0.86	0.76	0.71	0.94	0.21	0.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.70 M (A.D), AT 15.00 HOURS, ON JUL 3, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.32 M (A.D)
LEFT BANK ELEVATION 8.49 M (A.D)
RIGHT BANK ELEVATION 8.49 M (A.D), DRAINAGE AREA 66 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	1.10	7.68	3.60	8.04	4.35	5.55	3.24	1.50	0.80	0.00	0.00	
2	0.40	1.20	3.48	16.36	16.60	4.20	5.10	3.12	1.50	0.75	0.00	0.00	
3	0.35	1.40	2.60	81.73	8.22	4.35	4.80	3.00	1.40	0.75	0.00	0.00	
4	0.30	0.75	2.10	20.44	7.50	10.74	4.35	3.12	1.40	0.75	0.00	0.00	
5	0.40	0.60	9.12	13.10	16.60	43.60	4.20	2.80	1.30	0.75	0.00	0.00	
6	0.35	0.55	6.42	9.30	7.14	9.66	3.84	2.80	1.30	0.75	0.00	0.00	
7	0.30	0.50	9.48	8.04	16.60	9.84	4.65	2.70	1.30	0.65	0.00	0.00	
8	0.25	0.85	3.60	10.38	30.91	13.33	4.35	2.60	1.20	0.65	0.00	0.00	
9	0.00	0.65	2.70	10.38	13.56	8.94	9.48	2.60	1.20	0.65	0.00	0.00	
10	0.00	0.60	13.79	10.38	11.70	8.76	5.55	2.60	1.20	0.55	0.00	0.00	
11	0.00	0.65	4.95	12.50	16.12	16.36	4.35	2.50	1.10	0.60	0.00	0.00	
12	0.00	1.20	27.50	14.48	17.08	8.58	13.10	3.24	1.10	0.60	0.00	0.00	
13	0.00	0.85	10.56	10.38	27.25	12.90	7.32	2.40	1.00	0.60	0.00	0.00	
14	0.00	0.80	11.30	8.04	16.84	8.04	7.50	2.40	1.00	0.60	0.00	0.00	
15	0.00	0.65	4.50	7.68	14.94	9.66	6.60	2.30	0.95	0.55	0.00	0.00	
16	0.00	1.10	3.84	6.78	14.94	7.50	8.40	2.20	0.95	0.55	0.00	0.00	
17	0.00	1.30	3.72	5.70	13.33	16.12	6.24	2.10	0.95	0.55	0.00	0.00	
18	0.45	0.95	15.88	4.80	10.56	9.30	4.95	2.00	0.90	0.55	0.00	0.00	
19	0.55	0.70	17.80	4.65	10.02	22.12	4.50	2.00	0.95	0.00	0.00	0.00	
20	0.30	0.80	20.20	4.80	9.48	16.12	4.08	1.90	0.90	0.00	0.00	0.00	
21	0.70	0.85	15.88	3.96	14.71	17.56	5.70	1.90	0.90	0.00	0.00	0.00	
22	0.35	2.90	15.64	3.72	13.79	10.92	7.32	2.00	0.85	0.00	0.00	0.00	
23	0.25	3.96	14.48	3.48	9.48	8.40	5.10	1.90	0.85	0.00	0.00	0.00	
24	0.10	3.84	15.40	3.36	7.68	7.68	4.20	1.80	0.85	0.00	0.00	0.00	
25	0.05	1.80	12.70	3.36	6.42	6.78	3.84	1.80	0.80	0.00	0.00	0.00	
26	0.30	1.90	9.84	3.96	6.60	6.42	3.72	1.70	0.80	0.00	0.00	0.00	
27	2.60	1.40	6.60	6.96	6.78	9.12	3.60	1.70	0.80	0.00	0.00	0.00	
28	0.80	2.50	5.25	4.35	5.88	13.10	3.72	1.70	0.80	0.00	0.00	0.00	
29	0.55	7.32	4.35	6.60	5.10	9.30	3.72	1.60	0.80	0.00		0.00	
30	2.50	3.12	3.84	5.70	4.65	6.78	3.84	1.60	0.80	0.00		0.00	
31		1.70		10.92	4.80		3.48		0.80	0.00		0.00	
TOTAL	12.45	48.49	285.20	319.89	373.32	340.53	167.15	69.32	32.15	11.65	0.00	0.00	1660.15 CMSDAY
MEAN	0.42	1.56	9.51	10.32	12.04	11.35	5.39	2.31	1.04	0.38	0.00	0.00	4.55 CMS
MAX	2.60	7.32	27.50	81.73	30.91	43.60	13.10	3.24	1.50	0.80	0.00	0.00	81.73 CMS
MIN	0.00	0.50	2.10	3.36	4.65	4.20	3.48	1.60	0.80	0.00	0.00	0.00	0.00 CMS
RUNOFF	1.076	4.190	24.641	27.638	32.255	29.422	14.442	5.989	2.778	1.007	0.000	0.000	143.437 MCM

MOMENTARY PEAK 118.30 CMS, AT 4.70 M (A.D), AT 15.00 HOURS, ON JUL 3, 1985

RUNOFF YIELD 68.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1792.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

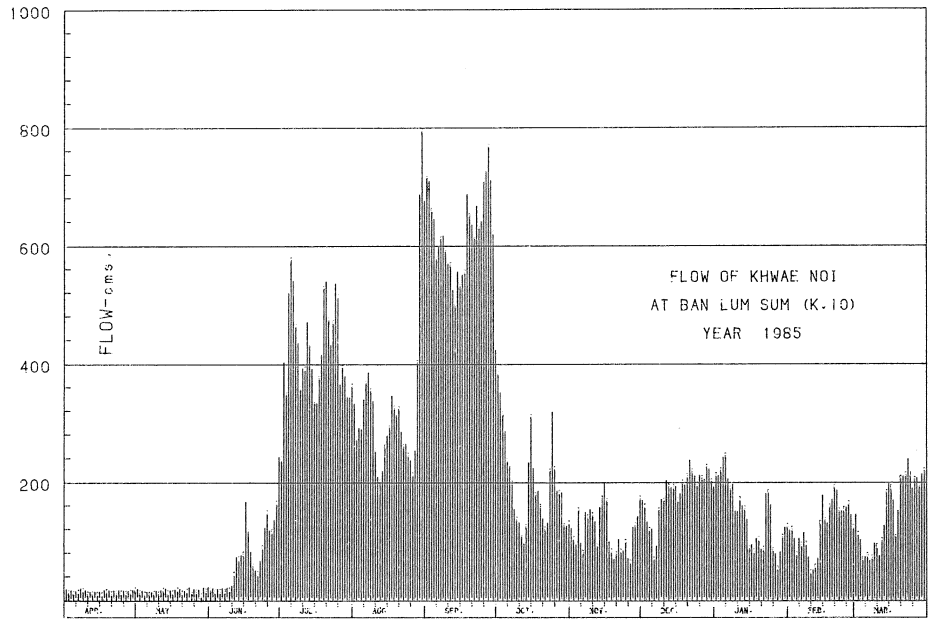
KHWAE NOI RIVER AT BAN LUM SUM, KANCHANABURI (K.10)

LOCATION	LAT. 14-05-40 N., LONG. 99-10-28 E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BAN LUM SUM RAILWAY STATION, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	7,008 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+30.40 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+52.057 M. (M.S.L.)
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	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 149 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	31.11	31.12	31.16	34.40	35.51	38.74	36.12	32.71	33.38	34.05	32.66	33.04	
2	31.07	31.08	31.14	36.27	34.82	38.68	35.72	32.51	33.30	33.98	32.75	32.63	
3	31.07	31.06	31.11	35.75	35.00	38.38	35.35	32.31	32.86	34.16	32.46	32.43	
4	31.05	31.03	31.12	37.24	35.06	38.25	34.93	33.21	32.73	34.38	32.14	32.02	
5	31.04	31.02	31.11	37.76	35.59	37.77	34.36	32.35	32.69	34.47	32.46	32.01	
6	31.09	31.03	31.15	37.40	35.94	37.91	34.19	32.18	32.02	33.90	32.37	32.12	
7	31.14	31.00	31.12	36.89	36.10	38.04	33.85	33.09	32.28	33.72	32.60	31.93	
8	31.15	31.06	31.16	36.59	35.80	38.05	33.17	33.04	33.20	33.77	32.39	32.06	
9	31.07	31.06	31.17	35.84	35.56	37.90	32.98	33.16	33.40	33.21	32.01	32.34	
10	31.03	31.04	31.22	36.17	34.58	37.66	32.84	33.09	33.43	33.11	31.68	32.33	
11	31.02	31.07	31.64	36.20	33.95	37.68	32.59	32.87	33.86	33.47	31.68	32.04	
12	31.03	31.16	32.01	36.91	33.89	37.27	32.33	32.33	33.77	33.25	31.84	32.47	
13	31.02	31.13	32.03	36.60	34.09	37.13	32.80	33.21	33.69	33.24	31.98	32.77	
14	31.02	31.08	32.06	36.16	34.65	37.54	34.27	33.49	33.76	32.92	32.89	33.63	
15	31.02	31.07	32.15	35.58	34.84	37.35	35.28	33.81	33.72	32.28	33.50	33.81	
16	31.01	31.07	33.35	35.52	35.06	37.49	34.15	33.43	33.44	32.31	32.96	33.76	
17	31.08	31.09	32.69	36.03	35.66	37.57	33.57	32.38	33.54	32.21	32.83	33.38	
18	31.12	31.17	32.14	36.40	35.47	38.53	33.61	32.21	33.87	32.46	33.29	32.55	
19	31.07	31.12	31.85	37.32	35.27	38.32	33.29	31.96	33.75	32.51	33.40	33.13	
20	31.04	31.07	31.67	37.39	35.46	38.18	32.94	32.15	34.03	32.20	33.75	33.98	
21	31.06	31.05	31.65	36.98	34.92	38.06	32.74	32.44	34.32	32.27	33.62	33.96	
22	31.06	31.13	31.92	36.56	34.66	38.40	32.84	32.21	34.13	33.54	33.19	34.06	
23	31.07	31.17	32.30	36.94	34.67	38.18	34.14	32.17	33.97	33.64	33.12	34.34	
24	31.07	31.11	32.72	37.36	34.48	38.22	35.34	32.44	33.82	33.27	33.23	34.06	
25	31.06	31.11	33.14	37.23	34.32	38.71	34.19	31.98	33.99	32.24	33.21	33.67	
26	31.06	31.10	32.66	35.87	34.06	38.79	33.61	31.95	33.98	32.09	33.37	33.95	
27	31.05	31.09	32.69	36.22	34.52	39.10	33.63	32.73	33.89	31.79	33.03	33.92	
28	31.09	30.98	32.91	36.03	36.31	38.69	33.57	32.84	34.23	32.14	32.79	33.81	
29	31.08	31.16	33.38	35.69	38.53	38.11	32.83	32.99	34.13	32.56		34.01	
30	31.17	31.13	34.39	35.63	39.27	36.48	32.76	33.49	33.90	32.73		34.15	
31		31.18		35.89	38.46		32.89		33.70	32.82		33.64	
MEAN	31.07	31.09	32.03	36.41	35.37	38.04	33.77	32.69	33.57	33.05	32.76	33.16	
MAX	31.17	31.18	34.39	37.76	39.27	39.10	36.12	33.81	34.32	34.47	33.75	34.34	39.27
MIN	31.01	30.98	31.11	34.40	33.89	36.48	32.33	31.95	32.02	31.79	31.68	31.93	30.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 39.41 M (MSL), AT 6.00 HOURS, ON AUG 30, 1985
ZERO GAGE AT BOTTOM ELEVATION 30.40 M (MSL), RIVER BED 29.00 M (MSL)
LEFT BANK ELEVATION 51.81 M (MSL)
RIGHT BANK ELEVATION 46.68 M (MSL), DRAINAGE AREA 7008 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	19.5	20.0	22.0	244.0	332.9	718.0	388.0	122.7	169.6	216.5	119.2	145.8	
2	17.5	18.0	21.0	403.0	277.6	709.0	351.8	108.7	164.0	211.6	125.5	117.1	
3	17.5	17.0	19.5	354.5	292.0	664.0	320.0	94.7	133.2	224.8	105.2	103.1	
4	16.5	15.5	20.0	520.2	296.8	645.0	286.4	157.7	124.1	242.4	82.8	74.4	
5	16.0	15.0	19.5	580.6	340.1	581.7	240.8	97.5	121.3	249.6	105.2	73.7	
6	18.5	15.5	21.5	541.0	371.6	597.4	227.2	85.6	74.4	206.0	98.9	81.4	
7	21.0	14.0	20.0	468.9	386.0	615.6	202.5	149.3	92.6	193.4	115.0	68.1	
8	21.5	17.0	22.0	435.9	359.0	617.0	154.9	145.8	157.0	196.9	100.3	77.2	
9	17.5	17.0	22.5	362.6	337.4	596.0	141.6	154.2	171.0	157.7	73.7	96.8	
10	15.5	16.0	25.0	393.0	258.4	569.6	131.8	149.3	173.1	150.7	51.8	96.1	
11	15.0	17.5	49.4	396.0	209.5	571.8	114.3	133.9	203.2	175.9	51.8	75.8	
12	15.5	22.0	73.7	471.1	205.3	525.1	96.1	96.1	196.9	160.5	61.8	105.9	
13	15.0	20.5	75.1	437.0	219.3	502.2	129.0	157.7	191.3	159.8	71.6	126.9	
14	15.0	18.0	77.2	392.0	264.0	556.4	233.6	177.3	196.2	137.4	135.3	187.1	
15	15.0	17.5	83.5	339.2	279.2	535.5	314.4	199.7	193.4	92.6	178.0	199.7	
16	14.5	17.5	167.5	333.8	296.8	550.9	224.0	173.1	173.8	94.7	140.2	196.2	
17	18.0	18.5	121.3	379.7	346.4	559.7	182.9	99.6	180.8	87.7	131.1	169.6	
18	20.0	22.5	82.8	416.0	329.6	686.5	185.7	87.7	203.9	105.2	163.3	111.5	
19	17.5	20.0	62.5	532.2	313.6	655.0	163.3	70.2	195.5	108.7	171.0	152.1	
20	16.0	17.5	51.2	539.9	328.8	635.2	138.8	83.5	215.1	87.0	195.5	211.6	
21	17.0	16.5	50.0	478.8	285.6	618.4	124.8	103.8	237.6	91.9	186.4	210.2	
22	17.0	20.5	67.4	432.6	264.8	667.0	131.8	87.7	222.4	180.8	156.3	217.2	
23	17.5	22.5	94.0	474.4	265.6	635.2	223.2	84.9	210.9	187.8	151.4	239.2	
24	17.5	19.5	123.4	536.6	250.4	640.8	319.2	103.8	200.4	161.9	159.1	217.2	
25	17.0	19.5	152.8	518.6	237.6	713.5	227.2	71.6	212.3	89.8	157.7	189.9	
26	17.0	19.0	119.2	365.3	217.2	725.5	185.7	69.5	211.6	79.3	168.9	209.5	
27	16.5	18.5	121.3	398.0	253.6	772.0	187.1	124.1	205.3	58.4	145.1	207.4	
28	18.5	13.0	136.7	379.7	407.0	710.5	182.9	131.8	230.4	82.8	128.3	199.7	
29	18.0	22.0	169.6	349.1	686.5	625.4	131.1	142.3	222.4	112.2		213.7	
30	22.5	20.5	243.2	343.7	797.5	424.0	126.2	177.3	206.0	124.1		224.0	
31		23.0		367.1	676.0		135.3		192.0	130.4		187.8	
TOTAL	521.0	571.0	2334.8	13184.5	10386.1	18623.9	6201.6	3641.1	5681.7	4558.5	3530.4	4785.9	74020.5 CMSDAY
MEAN	17.4	18.4	77.8	425.3	335.0	620.8	200.1	121.4	183.3	147.0	126.1	154.4	202.8 CMS
MAX	22.5	23.0	243.2	580.6	797.5	772.0	388.0	199.7	237.6	249.6	195.5	239.2	797.5 CMS
MIN	14.5	13.0	19.5	244.0	205.3	424.0	96.1	69.5	74.4	58.4	51.8	68.1	13.0 CMS
RUNOFF	45.01	49.33	201.73	1139.14	897.36	1609.11	535.82	314.59	490.90	393.85	305.03	413.50	6395.37 MCM

MOMENTARY PEAK 819.60 CMS, AT 39.41 M (MSL), AT 6.00 HOURS, ON AUG 30, 1985

RUNOFF YIELD 28.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 116.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

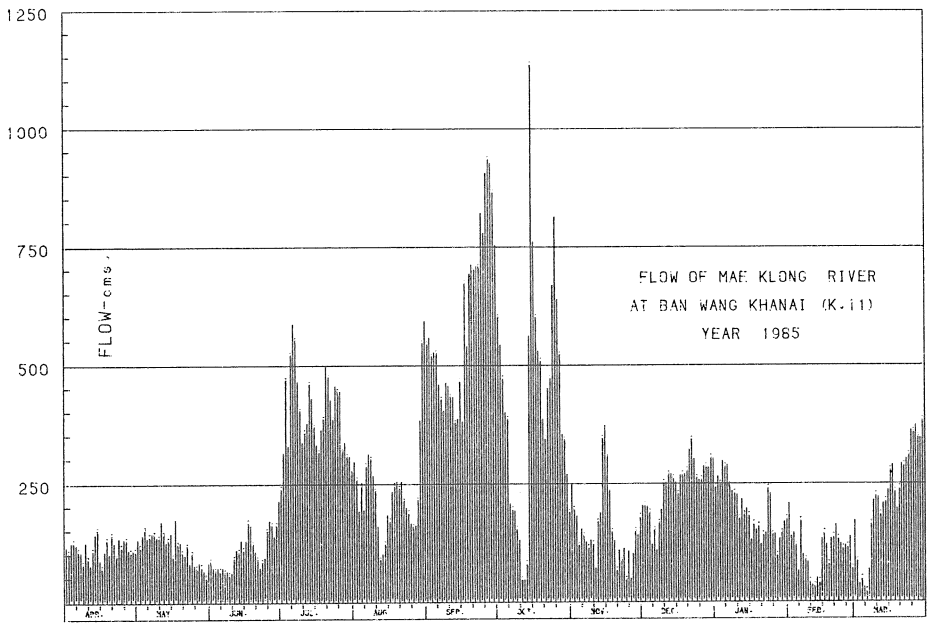
MAE KLONG RIVER AT BAN WANG KHANAI, KANCHANABURI (K.11)

LOCATION	LAT. 13-56-55 N., LONG. 99-38-42 E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM AMPHOE THA MUANG OFFICE, AMPHOE THA MUANG, KANCHANABURI.
DRAINAGE AREA	26,449 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+11.928 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE GAGE LINE.
ELEVATION	+21.985 M. (M.S.L.)
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	1965-1969, 1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1969, 1972 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY VACHIRALONGKORN DIVERSION DAM FOR IRRIGATION OF ABOUT 419,520 HECTARES ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 64 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	11.93	12.01	11.80	12.52	12.72	13.59	13.77	12.54	12.34	12.53	12.36	12.19	
2	11.90	11.96	11.69	12.79	12.60	13.62	13.57	12.33	12.37	12.60	12.07	11.79	
3	11.97	12.05	11.69	13.35	12.29	13.51	13.36	12.24	12.33	12.56	12.07	11.47	
4	12.01	12.14	11.69	12.84	12.55	13.52	13.10	11.97	12.30	12.72	11.97	11.58	
5	11.95	12.02	11.69	13.52	12.30	13.53	13.07	12.11	11.95	12.70	11.64	11.42	
6	11.92	12.07	11.69	13.71	12.71	13.30	12.36	12.07	12.13	12.69	12.22	11.41	
7	11.87	12.07	11.67	13.62	12.78	13.21	12.33	11.98	11.89	12.55	11.84	11.66	
8	11.77	12.09	11.65	13.32	12.76	13.11	12.29	11.95	12.20	12.47	11.81	12.19	
9	11.98	12.03	11.64	13.13	12.61	13.33	12.14	12.00	12.30	12.48	11.75	12.39	
10	11.83	12.05	11.63	12.87	12.50	13.29	12.00	11.99	12.57	12.44	11.54	12.46	
11	11.72	12.19	11.83	12.97	12.14	13.23	11.57	11.68	12.55	12.24	11.45	12.42	
12	11.92	12.09	11.90	13.02	11.81	13.21	11.53	12.21	12.64	12.40	11.48	12.28	
13	12.06	11.98	11.91	13.32	11.85	13.04	11.77	12.27	12.62	12.28	11.55	12.36	
14	12.13	12.03	12.00	13.20	11.99	13.05	13.63	12.92	12.61	12.31	11.54	12.41	
15	11.78	12.07	11.93	13.01	12.25	13.34	15.31	13.00	12.55	12.27	12.01	12.48	
16	11.72	11.85	12.00	12.85	12.22	13.03	14.23	12.77	12.47	12.00	12.10	12.67	
17	11.88	12.21	12.21	12.81	12.47	13.99	13.77	12.48	12.61	12.19	11.95	12.69	
18	12.03	11.99	12.15	12.97	12.55	13.56	13.53	12.11	12.64	12.10	11.76	12.49	
19	11.85	11.98	11.99	13.07	12.56	14.05	13.48	11.99	12.62	12.17	12.01	12.31	
20	12.08	11.90	11.88	13.43	12.52	14.09	13.05	11.69	12.67	11.95	12.06	12.52	
21	11.97	11.84	11.82	13.37	12.56	14.08	12.92	11.89	12.81	12.08	12.15	12.70	
22	11.85	11.97	11.69	13.19	12.41	14.08	13.27	11.80	12.91	12.07	12.04	12.71	
23	12.02	11.74	11.79	13.07	12.32	14.09	13.36	11.91	12.74	12.52	11.96	12.74	
24	11.96	11.89	11.81	13.29	12.30	14.41	13.96	11.57	12.61	12.45	11.94	12.79	
25	12.01	11.72	12.12	13.27	12.17	14.30	14.40	11.88	12.57	12.08	11.94	12.96	
26	12.03	11.72	12.20	13.25	12.16	14.65	13.87	11.60	12.60	12.06	11.96	12.97	
27	11.90	11.75	12.18	12.82	12.15	14.75	13.52	11.85	12.68	11.86	12.03	13.00	
28	11.91	11.74	12.04	12.87	12.42	14.71	12.93	12.12	12.70	12.01	11.71	12.93	
29	11.89	11.65	12.18	12.78	13.04	14.55	12.91	12.05	12.67	12.10		12.90	
30	11.92	11.61	12.39	12.76	13.60	14.21	12.62	12.26	12.77	12.18		13.06	
31		11.75		12.67	13.73		12.30		12.74	12.24		13.07	
MEAN	11.92	11.94	11.89	13.08	12.48	13.75	13.09	12.11	12.52	12.30	11.89	12.42	
MAX	12.13	12.21	12.39	13.71	13.73	14.75	15.31	13.00	12.91	12.72	12.36	13.07	15.31
MIN	11.72	11.61	11.63	12.52	11.81	13.03	11.53	11.57	11.89	11.86	11.45	11.41	11.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.61 M (MSL), AT 13.00 HOURS, ON OCT 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 11.93 M (MSL), RIVER BED 10.17 M (MSL)
LEFT BANK ELEVATION 21.54 M (MSL)
RIGHT BANK ELEVATION 22.21 M (MSL), DRAINAGE AREA 26449 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	116.6	132.7	92.6	245.3	296.9	549.5	606.8	250.1	203.4	247.7	207.8	170.5	
2	110.6	122.6	73.0	315.8	264.5	559.0	543.2	201.2	210.0	264.5	145.3	90.8	
3	124.6	141.1	73.0	474.6	192.4	524.2	477.5	181.4	201.2	254.9	145.3	37.2	
4	132.7	160.0	73.0	329.3	252.5	527.4	400.4	124.6	194.6	296.9	124.6	54.5	
5	120.6	134.8	73.0	527.4	194.6	530.5	392.0	153.7	120.6	291.5	64.5	29.7	
6	114.6	145.3	73.0	587.6	294.2	459.7	207.8	145.3	157.9	288.8	177.0	28.2	
7	105.2	145.3	69.6	559.0	313.1	433.0	201.2	126.6	108.8	252.5	99.8	67.9	
8	87.2	149.5	66.2	465.7	307.7	403.4	192.4	120.6	172.6	233.3	94.4	170.5	
9	126.6	136.9	64.5	409.3	267.2	468.6	160.0	130.6	194.6	235.7	83.6	214.4	
10	98.0	141.1	62.8	337.4	240.5	456.8	130.6	128.6	257.3	226.1	48.1	230.9	
11	78.2	170.5	98.0	364.4	160.0	439.0	52.9	71.3	252.5	181.4	34.2	221.3	
12	114.6	149.5	110.6	378.0	94.4	433.0	46.5	174.8	275.3	216.6	38.7	190.2	
13	143.2	126.6	112.6	465.7	101.6	383.6	87.2	188.0	269.9	190.2	49.7	207.8	
14	157.9	136.9	130.6	430.1	128.6	386.4	562.2	350.9	267.2	196.8	48.1	218.9	
15	89.0	145.3	116.6	375.2	183.6	471.6	1141.0	372.5	252.5	188.0	132.7	235.7	
16	78.2	101.6	130.6	332.0	177.0	380.8	760.5	310.4	233.3	130.6	151.6	283.4	
17	107.0	174.8	174.8	321.2	233.3	679.0	606.8	235.7	267.2	170.5	120.6	288.8	
18	136.9	128.6	162.1	364.4	252.5	540.0	530.5	153.7	275.3	151.6	85.4	238.1	
19	101.6	126.6	128.6	392.0	254.9	699.3	514.7	128.6	269.9	166.3	132.7	196.8	
20	147.4	110.6	107.0	498.9	245.3	712.9	386.4	73.0	283.4	120.6	143.2	245.3	
21	124.6	99.8	96.2	480.5	254.9	709.5	350.9	108.8	321.2	147.4	162.1	291.5	
22	101.6	124.6	73.0	427.1	218.9	709.5	450.8	92.6	348.2	145.3	139.0	294.2	
23	134.8	81.8	90.8	392.0	199.0	712.9	477.5	112.6	302.3	245.3	122.6	302.3	
24	122.6	108.8	94.4	456.8	194.6	821.8	669.1	52.9	267.2	228.5	118.6	315.8	
25	132.7	78.2	155.8	450.8	166.3	784.3	818.3	107.0	257.3	147.4	118.6	361.7	
26	136.9	78.2	172.6	444.9	164.2	906.2	639.4	57.7	264.5	143.2	122.6	364.4	
27	110.6	83.6	168.4	323.9	162.1	941.3	527.4	101.6	286.1	103.4	136.9	372.5	
28	112.6	81.8	139.0	337.4	221.3	927.2	353.6	155.8	291.5	132.7	76.4	353.6	
29	108.8	66.2	168.4	313.1	383.6	871.0	348.2	141.1	283.4	151.6		345.5	
30	114.6	59.4	214.4	307.7	552.7	753.7	269.9	185.8	310.4	168.4		389.2	
31		83.6		283.4	594.0		194.6		302.3	181.4		392.0	
TOTAL	3490.5	3726.3	3365.2	12390.9	7566.4	18175.1	13100.3	4737.5	7701.9	6099.1	3124.1	7203.6	90680.9 CMSDAY
MEAN	116.4	120.2	112.2	399.7	244.1	605.8	422.6	157.9	248.4	196.7	111.6	232.4	248.4 CMS
MAX	157.9	174.8	214.4	587.6	594.0	941.3	1141.0	372.5	348.2	296.9	207.8	392.0	1141.0 CMS
MIN	78.2	59.4	62.8	245.3	94.4	380.8	46.5	52.9	108.8	103.4	34.2	28.2	28.2 CMS
RUNOFF	301.58	321.95	290.75	1070.57	653.74	1570.33	1131.87	409.32	665.44	526.96	269.92	622.39	7834.83 MCM

MOMENTARY PEAK 1252.12 CMS, AT 15.61 M (MSL), AT 13.00 HOURS, ON OCT 15, 1985

RUNOFF YIELD 9.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 47.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN.

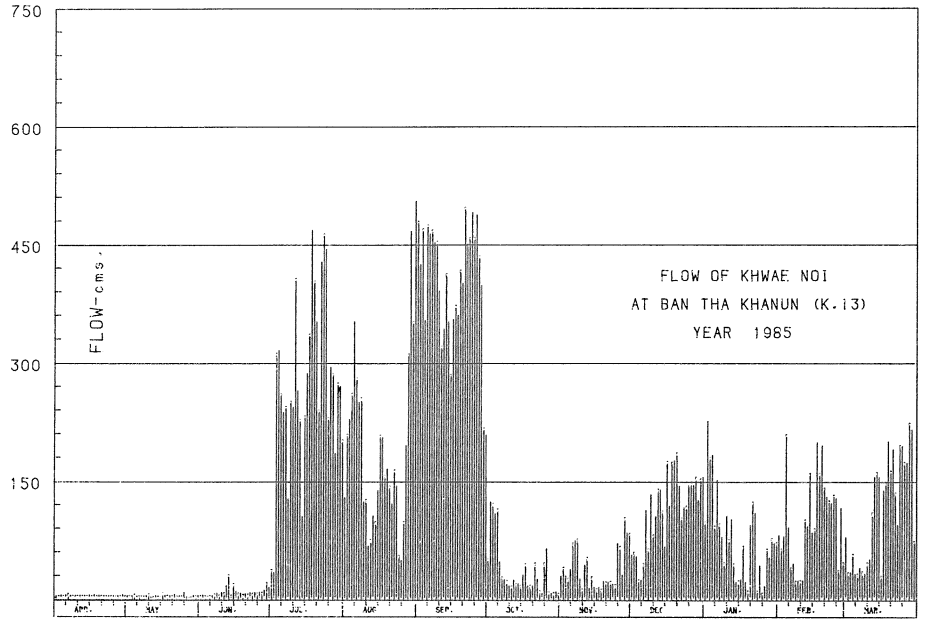
KHWAE NOI RIVER AT BAN THA KHANUN, KANCHANABURI (K.13)

LOCATION	LAT. 14-43-50 N., LONG. 98-38-32 E., ON RIGHT BANK AT POMPE VILLAGE, ABOUT 200 METERS DOWNSTREAM FROM WAT THA KHANUN, AMPHOE THONG PHA PHUM, KANCHANABURI.
DRAINAGE AREA	4,047 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+73.641 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE OBSERVER'S HOUSE.
ELEVATION	+97.165 M.(M.S.L.)
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	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1971, 1979, 1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1971, 1979, 1985 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	75.34	75.35	75.36	76.10	77.29	80.22	76.32	75.95	76.39	76.95	76.74	76.71	
2	75.35	75.36	75.38	76.03	78.11	79.87	77.23	76.15	76.44	78.27	76.50	76.04	
3	75.37	75.35	75.35	79.05	78.29	80.16	77.21	75.96	76.36	77.82	76.72	76.04	
4	75.36	75.42	75.33	79.08	78.59	79.37	77.06	75.90	75.86	77.85	78.11	76.41	
5	75.38	75.34	75.36	78.59	79.36	80.19	77.13	76.10	75.85	76.89	76.86	76.01	
6	75.44	75.34	75.35	78.37	78.77	80.12	76.26	76.61	76.23	77.53	76.14	76.01	
7	75.36	75.35	75.43	78.44	78.49	80.15	75.93	76.65	77.11	76.92	76.22	76.13	
8	75.36	75.34	75.45	77.27	78.54	80.05	75.86	76.68	76.50	76.71	75.83	76.06	
9	75.36	75.35	75.40	78.50	77.23	80.06	75.84	75.88	77.33	76.25	75.84	76.01	
10	75.36	75.44	75.48	78.43	77.26	79.64	75.70	75.61	76.75	77.03	75.85	76.25	
11	75.36	75.30	75.49	79.75	76.55	79.12	75.70	76.19	77.02	76.67	75.84	76.31	
12	75.36	75.31	75.70	78.62	76.67	79.29	75.85	76.35	77.41	76.98	76.98	77.08	
13	75.36	75.34	75.98	78.29	77.03	79.79	75.76	75.62	77.40	76.22	76.88	77.57	
14	75.36	75.33	75.39	77.02	76.95	79.36	75.76	75.94	77.10	75.79	77.62	77.63	
15	75.37	75.33	75.76	78.33	77.39	78.81	75.72	75.66	76.54	75.84	76.78	77.57	
16	75.35	75.48	75.52	78.82	78.10	79.38	75.98	75.62	77.77	75.86	76.85	75.96	
17	75.39	75.36	75.47	79.24	78.07	79.51	76.22	75.66	77.17	76.55	78.01	77.39	
18	75.36	75.37	75.45	80.15	77.59	79.42	75.70	75.60	77.76	75.80	77.62	77.51	
19	75.36	75.35	75.41	79.73	77.67	79.82	75.72	75.82	77.78	75.55	77.97	78.02	
20	75.36	75.35	75.43	79.36	77.45	79.71	75.70	75.81	77.88	76.90	77.43	77.65	
21	75.36	75.40	75.43	78.40	77.20	80.33	76.24	75.80	77.45	77.23	77.30	77.92	
22	75.35	75.34	75.47	79.89	77.66	80.04	75.87	75.82	77.00	77.07	77.25	77.36	
23	75.35	75.35	75.47	80.12	77.45	80.09	75.55	75.75	77.15	75.55	77.21	76.90	
24	75.35	75.35	75.48	80.00	76.38	80.29	75.44	75.74	77.17	76.18	77.33	77.97	
25	75.35	75.48	75.47	78.31	76.29	80.09	76.24	76.60	77.46	75.49	77.28	77.96	
26	75.35	75.30	75.49	78.89	76.95	80.27	76.50	76.55	77.51	75.69	76.09	77.76	
27	75.35	75.30	75.50	78.82	77.97	79.94	75.51	75.98	77.46	76.50	77.14	77.75	
28	75.36	75.30	75.56	77.87	79.04	79.69	75.45	77.01	77.57	76.34	76.25	78.25	
29	75.39	75.35	75.79	78.71	80.14	78.19	75.49	76.78	77.25	76.69		78.17	
30	75.36	75.35	75.65	78.67	79.36	78.10	75.51	76.77	77.55	76.60		76.64	
31		75.35		78.04	80.38		75.46		77.57	76.62		78.14	
MEAN	75.36	75.36	75.49	78.61	77.88	79.70	76.00	76.09	77.09	76.59	76.88	77.07	
MAX	75.44	75.48	75.98	80.15	80.38	80.33	77.23	77.01	77.88	78.27	78.11	78.25	80.38
MIN	75.34	75.30	75.33	76.03	76.29	78.10	75.44	75.60	75.85	75.49	75.83	75.96	75.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 81.33 M (MSL), AT 18.00 HOURS, ON JUL 9, 1985
ZERO GAGE AT BOTTOM ELEVATION 73.64 M (MSL), RIVER BED 74.33 M (MSL)
LEFT BANK ELEVATION 95.88 M (MSL)
RIGHT BANK ELEVATION 96.78 M (MSL), DRAINAGE AREA 4047 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.2	5.5	5.8	39.0	130.1	480.2	52.4	30.5	57.3	99.5	82.2	79.8	
2	5.5	5.8	6.4	34.8	210.0	425.5	124.7	42.0	60.8	226.7	65.0	35.4	
3	6.1	5.5	5.5	313.0	228.9	470.6	122.9	31.0	55.2	181.0	80.6	35.4	
4	5.8	7.6	4.9	316.6	261.9	354.1	109.4	28.0	26.0	184.0	210.0	58.7	
5	6.4	5.2	5.8	261.9	352.8	475.4	115.7	39.0	25.5	94.2	91.8	33.6	
6	8.2	5.2	5.5	237.7	281.7	464.2	48.6	72.7	46.8	152.0	41.4	33.6	
7	5.8	5.5	7.9	245.4	250.9	469.0	29.5	75.5	113.9	96.8	46.2	40.8	
8	5.8	5.2	8.5	128.3	256.4	453.0	26.0	77.6	65.0	79.8	24.5	36.6	
9	5.8	5.5	7.0	252.0	124.7	454.6	25.0	27.0	133.7	48.0	25.0	33.6	
10	5.8	8.2	9.4	244.3	127.4	391.6	18.0	14.4	83.0	106.7	25.5	48.0	
11	5.8	4.0	9.7	407.5	68.5	321.6	18.0	44.4	105.8	76.9	25.0	51.7	
12	5.8	4.3	18.0	265.2	76.9	343.7	25.5	54.5	140.9	102.2	102.2	111.2	
13	5.8	5.2	32.0	228.9	106.7	413.5	21.0	14.8	140.0	46.2	93.4	156.0	
14	5.8	4.9	6.7	105.8	99.5	352.8	21.0	30.0	113.0	22.5	161.0	162.0	
15	6.1	4.9	21.0	233.3	139.1	286.1	19.0	16.4	67.8	25.0	85.4	156.0	
16	5.5	9.4	10.8	287.2	209.0	355.4	32.0	14.8	176.0	26.0	91.0	31.0	
17	6.7	5.8	9.1	337.2	206.0	373.4	46.2	16.4	119.3	68.5	200.0	139.1	
18	5.8	6.1	8.5	469.0	158.0	360.8	18.0	14.0	175.0	23.0	161.0	150.0	
19	5.8	5.5	7.3	404.5	166.0	418.0	19.0	24.0	177.0	12.0	196.0	201.0	
20	5.8	5.5	7.9	352.8	144.5	401.5	18.0	23.5	187.0	95.0	142.7	164.0	
21	5.8	7.0	7.9	241.0	122.0	497.8	47.4	23.0	144.5	124.7	131.0	191.0	
22	5.5	5.2	9.1	428.5	165.0	451.4	26.5	24.0	104.0	110.3	126.5	136.4	
23	5.5	5.5	9.1	464.2	144.5	459.4	12.0	20.5	117.5	12.0	122.9	95.0	
24	5.5	5.5	9.4	445.0	56.6	491.4	8.2	20.0	119.3	43.8	133.7	196.0	
25	5.5	9.4	9.1	231.1	50.4	459.4	47.4	72.0	145.4	9.7	129.2	195.0	
26	5.5	4.0	9.7	294.9	99.5	488.2	65.0	68.5	150.0	17.6	38.4	175.0	
27	5.5	4.0	10.0	287.2	196.0	436.0	10.4	32.0	145.4	65.0	116.6	174.0	
28	5.8	4.0	12.4	186.0	311.8	398.6	8.5	104.9	156.0	53.8	48.0	224.5	
29	6.7	5.5	22.5	275.1	467.4	218.0	9.7	85.4	126.5	78.3		216.0	
30	5.8	5.5	16.0	270.7	352.8	209.0	10.4	84.6	154.0	72.0		74.8	
31		5.5		203.0	505.8		8.8		156.0	73.4		213.0	
TOTAL	176.4	175.9	312.9	8491.1	6070.8	12174.2	1164.2	1225.4	3587.6	2426.6	2796.2	3648.2	42249.5 CMSDAY
MEAN	5.9	5.7	10.4	273.9	195.8	405.8	37.6	40.8	115.7	78.3	99.9	117.7	115.8 CMS
MAX	8.2	9.4	32.0	469.0	505.8	497.8	124.7	104.9	187.0	226.7	210.0	224.5	505.8 CMS
MIN	5.2	4.0	4.9	34.8	50.4	209.0	8.2	14.0	25.5	9.7	24.5	31.0	4.0 CMS
RUNOFF	15.24	15.20	27.03	733.63	524.52	1051.85	100.59	105.87	309.97	209.66	241.59	315.20	3650.36 MCM

MOMENTARY PEAK 667.10 CMS, AT 81.33 M (MSL), AT 18.00 HOURS, ON JUL 9, 1985

RUNOFF YIELD 28.60 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 164.84 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

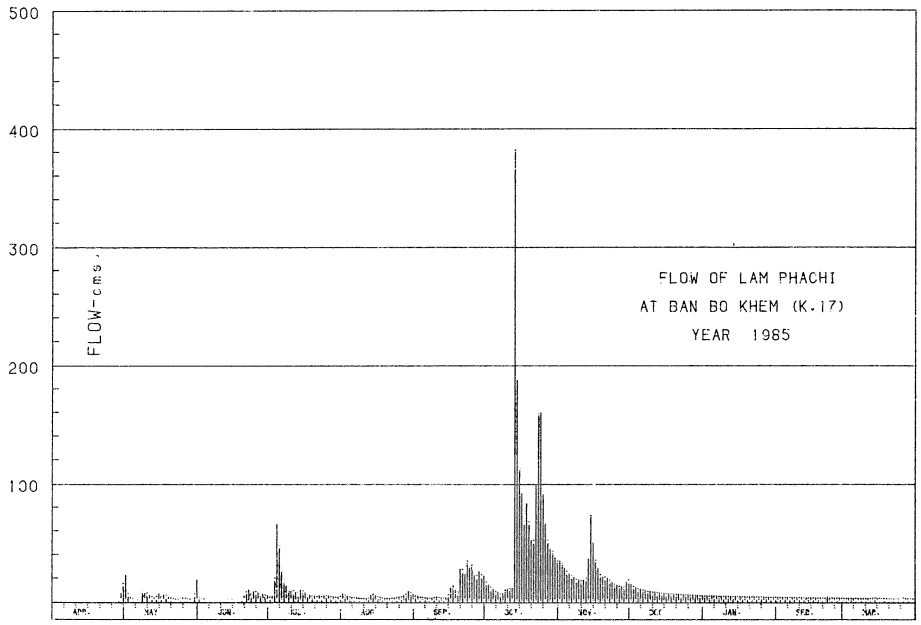
LAM PHACHI AT BAN BO KHEM, RATCHABURI (K.17)

LOCATION	LAT. 13-32-41 N., LONG. 99-21-22 E., ON LEFT BANK OPPOSITE TO THE 'SAI NGAM' FRONTIER POLICE STATION, TAMBON SUAN PHUNG, AMPHOE CHUM BUNG, RATCHABURI.
DRAINAGE AREA	1,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE MEASURING LINE.
ELEVATION	+11.799 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +9.35 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 177 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	1.56	0.45	0.48	0.66	0.57	1.28	1.96	1.16	0.56	0.45	0.38	
2	-0.10	0.71	0.34	0.51	0.60	0.51	1.14	1.91	1.08	0.56	0.45	0.38	
3	-0.10	0.44	0.30	1.45	0.52	0.47	1.04	1.78	1.03	0.55	0.44	0.38	
4	-0.10	0.34	0.26	2.71	0.47	0.43	0.94	1.69	0.98	0.55	0.44	0.37	
5	-0.12	0.26	0.22	2.33	0.43	0.41	0.84	1.61	0.95	0.55	0.44	0.37	
6	-0.11	0.21	0.19	1.66	0.42	0.39	0.76	1.56	0.91	0.54	0.44	0.37	
7	-0.11	0.21	0.17	1.39	0.41	0.37	0.71	1.48	0.88	0.53	0.43	0.37	
8	-0.10	0.90	0.15	1.09	0.38	0.37	0.68	1.41	0.84	0.53	0.43	0.37	
9	-0.08	0.68	0.14	0.96	0.36	0.43	0.90	1.37	0.83	0.53	0.43	0.37	
10	-0.11	0.74	0.13	0.83	0.35	0.47	0.94	1.34	0.80	0.53	0.43	0.36	
11	-0.14	0.56	0.16	0.86	0.34	0.42	0.97	1.36	0.78	0.52	0.42	0.36	
12	-0.15	0.50	0.22	0.76	0.40	0.39	0.98	1.46	0.78	0.51	0.42	0.36	
13	-0.17	0.39	0.25	0.78	0.56	0.37	6.20	2.01	0.74	0.51	0.42	0.38	
14	-0.18	0.51	0.25	0.87	0.65	0.38	4.42	2.85	0.72	0.51	0.42	0.39	
15	-0.18	0.67	0.25	0.86	0.56	0.64	3.50	2.39	0.71	0.51	0.42	0.38	
16	-0.19	0.51	0.24	0.73	0.49	0.99	3.17	1.98	0.69	0.51	0.41	0.37	
17	-0.08	0.60	0.22	0.64	0.44	1.09	2.75	1.77	0.68	0.50	0.40	0.35	
18	0.18	0.59	0.23	0.58	0.40	0.88	3.03	1.60	0.67	0.50	0.40	0.35	
19	-0.02	0.46	0.34	0.54	0.37	0.79	2.75	1.49	0.66	0.49	0.40	0.35	
20	0.05	0.40	0.52	0.51	0.35	1.75	2.43	1.50	0.66	0.49	0.40	0.34	
21	0.02	0.33	0.81	0.50	0.34	1.74	2.44	1.46	0.65	0.49	0.39	0.33	
22	0.18	0.28	0.89	0.54	0.37	1.60	3.28	1.36	0.64	0.49	0.69	0.32	
23	0.04	0.29	0.67	0.50	0.39	1.96	4.09	1.27	0.63	0.48	0.39	0.32	
24	0.15	0.38	0.78	0.54	0.44	1.78	4.10	1.18	0.62	0.48	0.39	0.32	
25	-0.06	0.38	0.82	0.57	0.48	1.85	3.20	1.13	0.61	0.47	0.40	0.32	
26	0.11	0.39	0.72	0.54	0.51	1.55	2.72	1.09	0.61	0.47	0.40	0.40	
27	0.16	0.34	0.68	0.52	0.57	1.56	2.44	1.07	0.61	0.46	0.40	0.37	
28	0.32	0.30	0.66	0.47	0.67	1.67	2.25	1.06	0.61	0.46	0.39	0.34	
29	0.68	0.29	0.60	0.44	0.81	1.59	2.20	1.28	0.58	0.46		0.33	
30	1.22	0.68	0.54	0.45	0.75	1.53	2.04	1.38	0.58	0.45		0.31	
31		1.38		0.52	0.65		1.96		0.57	0.45		0.31	
MEAN	0.03	0.53	0.41	0.84	0.49	0.97	2.26	1.56	0.75	0.50	0.43	0.36	
MAX	1.22	1.56	0.89	2.71	0.81	1.96	6.20	2.85	1.16	0.56	0.69	0.40	6.20
MIN	-0.19	0.21	0.13	0.44	0.34	0.37	0.68	1.06	0.57	0.45	0.39	0.31	-0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.60 M (A.D), AT 12.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 11.69 M (A.D)
RIGHT BANK ELEVATION 9.40 M (A.D), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.85	23.16	4.57	4.89	7.16	5.97	17.44	35.20	15.28	5.85	4.57	3.84	
2	0.24	7.84	3.42	5.23	6.35	5.23	14.92	33.58	13.84	5.85	4.57	3.84	
3	0.24	4.47	3.00	20.85	5.35	4.79	13.12	29.38	12.94	5.73	4.47	3.84	
4	0.24	3.42	2.66	66.05	4.79	4.37	11.38	26.61	12.06	5.73	4.47	3.74	
5	0.19	2.66	2.32	48.20	4.37	4.16	9.74	24.29	11.55	5.73	4.47	3.74	
6	0.22	2.24	2.07	25.74	4.26	3.95	8.54	23.16	10.87	5.60	4.47	3.74	
7	0.22	2.24	1.91	19.60	4.16	3.74	7.84	21.48	10.38	5.47	4.37	3.74	
8	0.24	10.70	1.75	14.02	3.84	3.74	7.43	20.01	9.74	5.47	4.37	3.74	
9	0.34	7.43	1.67	11.72	3.63	4.37	10.70	19.20	9.58	5.47	4.37	3.74	
10	0.22	8.26	1.59	9.58	3.53	4.79	11.38	18.60	9.10	5.47	4.37	3.63	
11	0.14	5.85	1.83	10.06	3.42	4.26	11.89	19.00	8.82	5.35	4.26	3.63	
12	0.12	5.10	2.32	8.54	4.05	3.95	12.06	21.06	8.82	5.23	4.26	3.63	
13	0.07	3.95	2.58	8.82	5.85	3.74	382.00	36.85	8.26	5.23	4.26	3.84	
14	0.05	5.23	2.58	10.22	7.02	3.84	187.80	73.75	7.98	5.23	4.26	3.95	
15	0.05	7.30	2.58	10.06	5.85	6.89	113.50	50.60	7.84	5.23	4.26	3.84	
16	0.02	5.23	2.49	8.12	5.00	12.23	92.20	35.85	7.57	5.23	4.16	3.74	
17	0.34	6.35	2.32	6.89	4.47	14.02	68.25	29.07	7.43	5.10	4.05	3.53	
18	1.99	6.22	2.41	6.10	4.05	10.38	83.80	24.00	7.30	5.10	4.05	3.53	
19	0.62	4.68	3.42	5.60	3.74	8.96	68.25	21.69	7.16	5.00	4.05	3.53	
20	1.04	4.05	5.35	5.23	3.53	28.45	52.35	21.90	7.16	5.00	4.05	3.42	
21	0.85	3.32	9.26	5.10	3.42	28.14	52.80	21.06	7.02	5.00	3.95	3.32	
22	1.99	2.83	10.54	5.60	3.74	24.00	98.80	19.00	6.89	5.00	7.57	3.21	
23	0.97	2.92	7.30	5.10	3.95	35.20	159.65	17.26	6.75	4.89	3.95	3.21	
24	1.75	3.84	8.82	5.60	4.47	29.38	160.50	15.64	6.62	4.89	3.95	3.21	
25	0.43	3.84	9.42	5.97	4.89	31.63	94.00	14.74	6.48	4.79	4.05	3.21	
26	1.43	3.95	7.98	5.60	5.23	22.95	66.60	14.02	6.48	4.79	4.05	4.05	
27	1.83	3.42	7.43	5.35	5.97	23.16	52.80	13.66	6.48	4.68	4.05	3.74	
28	3.21	3.00	7.16	4.79	7.30	26.03	45.25	13.48	6.48	4.68	3.95	3.42	
29	7.43	2.92	6.35	4.47	9.26	23.79	43.50	17.44	6.10	4.68		3.32	
30	16.36	7.43	5.60	4.57	8.40	22.53	37.90	19.40	6.10	4.57		3.11	
31		19.40		5.35	7.02		35.20		5.97	4.57		3.11	
TOTAL	43.69	183.25	132.70	363.02	158.07	408.64	2031.59	750.98	265.05	160.61	121.68	111.14	4730.42 CMSDAY
MEAN	1.46	5.91	4.42	11.71	5.10	13.62	65.54	25.03	8.55	5.18	4.35	3.59	12.96 CMS
MAX	16.36	23.16	10.54	66.05	9.26	35.20	382.00	73.75	15.28	5.85	7.57	4.05	382.00 CMS
MIN	0.02	2.24	1.59	4.47	3.42	3.74	7.43	13.48	5.97	4.57	3.95	3.11	0.02 CMS
RUNOFF	3.775	15.833	11.465	31.365	13.657	35.306	175.529	64.885	22.900	13.877	10.513	9.602	408.708 MCM

MOMENTARY PEAK 1484.00 CMS, AT 9.60 M (A.D), AT 12.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 9.56 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1095.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

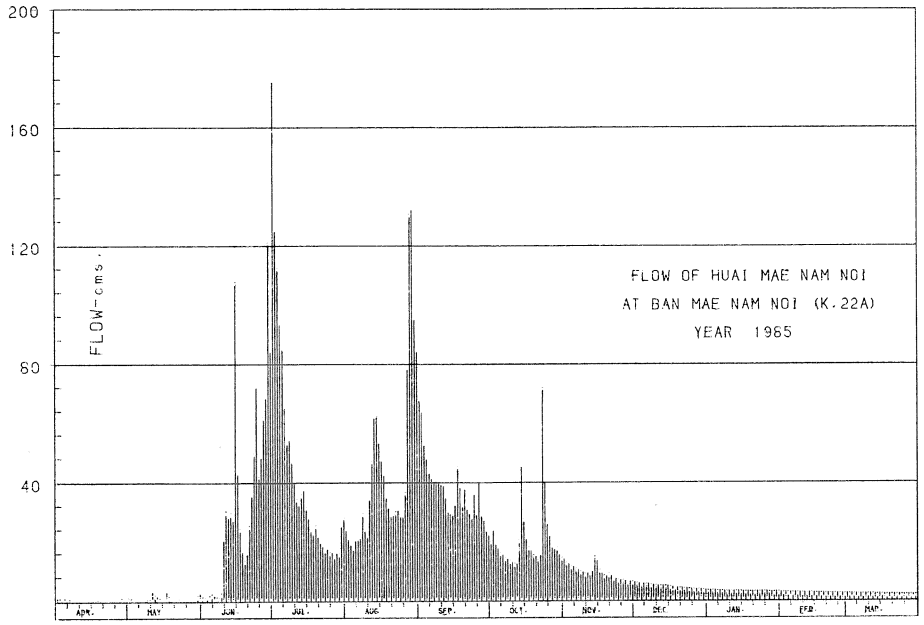
HUAI MAE NAM NOI AT BAN MAE NAM NOI, KANCHANABURI (K.22A)

LOCATION	LAT. 14-26-44 N., LONG. 98-48-08 E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM K.22 STATION, TAMBON THA THUNG NA, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	321 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+66.70 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+76.874 M. (M.S.L.)
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	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +70.80 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 121 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	67.21	67.23	67.26	72.34	68.51	69.91	68.37	68.08	67.66	67.46	67.40	67.35	
2	67.21	67.20	67.24	71.24	68.42	69.79	68.51	68.03	67.64	67.46	67.40	67.35	
3	67.21	67.17	67.28	70.97	68.31	69.50	68.36	68.00	67.63	67.46	67.40	67.35	
4	67.21	67.13	67.30	70.53	68.29	69.34	68.26	67.97	67.63	67.46	67.40	67.35	
5	67.21	67.13	67.35	70.34	68.37	69.23	68.19	67.95	67.62	67.45	67.39	67.34	
6	67.18	67.13	67.28	69.83	68.43	69.14	68.15	67.93	67.62	67.45	67.39	67.34	
7	67.15	67.12	67.25	69.51	68.40	69.15	68.11	67.91	67.62	67.44	67.39	67.34	
8	67.15	67.12	67.24	69.52	68.75	69.11	68.08	67.88	67.60	67.43	67.39	67.34	
9	67.14	67.16	67.38	69.33	68.50	69.14	68.06	67.86	67.59	67.43	67.38	67.34	
10	67.14	67.17	68.38	69.10	68.46	69.07	68.03	67.84	67.59	67.43	67.38	67.34	
11	67.13	67.41	68.78	68.92	68.90	69.10	68.01	67.84	67.58	67.43	67.38	67.34	
12	67.13	67.31	68.68	68.84	69.32	68.92	68.00	67.86	67.58	67.43	67.38	67.34	
13	67.13	67.26	68.75	68.97	69.73	68.80	68.39	67.87	67.58	67.43	67.38	67.33	
14	67.13	67.22	68.64	69.01	69.78	68.73	69.26	68.13	67.58	67.43	67.38	67.33	
15	67.13	67.19	70.87	68.83	69.49	68.76	68.67	68.05	67.57	67.43	67.38	67.33	
16	67.13	67.20	69.19	68.67	69.35	68.84	68.39	67.90	67.56	67.42	67.37	67.33	
17	67.14	67.40	68.54	68.54	69.18	69.27	68.28	67.84	67.54	67.42	67.37	67.32	
18	67.15	67.27	68.20	68.45	68.96	69.04	68.22	67.81	67.54	67.42	67.37	67.32	
19	67.15	67.22	68.06	68.59	68.81	68.85	68.15	67.79	67.53	67.42	67.37	67.32	
20	67.15	67.20	68.16	68.42	68.74	69.02	68.13	67.84	67.53	67.42	67.36	67.32	
21	67.15	67.20	68.58	68.39	68.71	68.83	68.07	67.80	67.53	67.42	67.36	67.32	
22	67.14	67.18	68.94	68.29	68.77	68.73	68.14	67.76	67.52	67.42	67.36	67.32	
23	67.14	67.18	69.40	68.25	68.78	68.71	70.00	67.73	67.52	67.42	67.36	67.32	
24	67.15	67.22	70.00	68.25	68.74	68.96	69.10	67.72	67.51	67.42	67.36	67.32	
25	67.15	67.21	69.17	68.20	68.69	68.76	68.64	67.70	67.51	67.42	67.35	67.31	
26	67.15	67.22	69.35	68.19	68.99	69.09	68.43	67.70	67.50	67.42	67.35	67.31	
27	67.18	67.20	69.75	68.15	70.15	68.74	68.32	67.68	67.50	67.42	67.35	67.31	
28	67.21	67.21	69.91	68.18	71.37	68.64	68.24	67.67	67.49	67.41	67.35	67.31	
29	67.18	67.23	71.16	68.18	71.40	68.54	68.28	67.67	67.49	67.41		67.31	
30	67.18	67.30	70.30	68.56	70.60	68.44	68.15	67.67	67.48	67.41		67.31	
31		67.35		68.69	70.30		68.11		67.47	67.41		67.31	
MEAN	67.16	67.22	68.61	69.07	69.14	69.00	68.36	67.85	67.56	67.43	67.37	67.33	
MAX	67.21	67.41	71.16	72.34	71.40	69.91	70.00	68.13	67.66	67.46	67.40	67.35	72.34
MIN	67.13	67.12	67.24	68.15	68.29	68.44	68.00	67.67	67.47	67.41	67.35	67.31	67.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 72.67 M (MSL), AT 10.00 HOURS, ON JUL 1, 1985
ZERO GAGE AT BOTTOM ELEVATION 66.70 M (MSL), RIVER BED 66.53 M (MSL)
LEFT BANK ELEVATION 73.96 M (MSL)
RIGHT BANK ELEVATION 70.80 M (MSL), DRAINAGE AREA 321 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.10	1.30	1.60	176.00	23.75	68.40	20.25	14.10	6.40	3.60	3.00	2.50	
2	1.10	1.00	1.40	124.69	21.50	63.65	23.75	13.10	6.10	3.60	3.00	2.50	
3	1.10	0.70	1.80	112.34	18.75	53.50	20.00	12.50	5.95	3.60	3.00	2.50	
4	1.10	0.30	2.00	93.20	18.30	47.90	17.70	11.90	5.95	3.60	3.00	2.50	
5	1.10	0.30	2.50	85.60	20.25	44.05	16.30	11.50	5.80	3.50	2.90	2.40	
6	0.80	0.30	1.80	65.20	21.75	41.20	15.50	11.10	5.80	3.50	2.90	2.40	
7	0.50	0.20	1.50	53.85	21.00	41.50	14.70	10.70	5.80	3.40	2.90	2.40	
8	0.50	0.20	1.40	54.20	29.75	40.30	14.10	10.10	5.50	3.30	2.90	2.40	
9	0.40	0.60	2.80	47.55	23.50	41.20	13.70	9.70	5.35	3.30	2.80	2.40	
10	0.40	0.70	20.50	40.00	22.50	39.10	13.10	9.30	5.35	3.30	2.80	2.40	
11	0.30	3.10	30.50	34.60	34.00	40.00	12.70	9.30	5.20	3.30	2.80	2.40	
12	0.30	2.10	28.00	32.20	47.20	34.60	12.50	9.70	5.20	3.30	2.80	2.40	
13	0.30	1.60	29.75	36.10	61.55	31.00	20.75	9.90	5.20	3.30	2.80	2.30	
14	0.30	1.20	27.00	37.30	63.30	29.25	45.10	15.10	5.20	3.30	2.80	2.30	
15	0.30	0.90	107.77	31.90	53.15	30.00	27.75	13.50	5.05	3.30	2.80	2.30	
16	0.30	1.00	42.70	27.75	48.25	32.20	20.75	10.50	4.90	3.20	2.70	2.30	
17	0.40	3.00	24.50	24.50	42.40	45.45	18.10	9.30	4.60	3.20	2.70	2.20	
18	0.50	1.70	16.50	22.25	35.80	38.20	16.90	8.70	4.60	3.20	2.70	2.20	
19	0.50	1.20	13.70	25.75	31.30	32.50	15.50	8.35	4.45	3.20	2.70	2.20	
20	0.50	1.00	15.70	21.50	29.50	37.60	15.10	9.30	4.45	3.20	2.60	2.20	
21	0.50	1.00	25.50	20.75	28.75	31.90	13.90	8.50	4.45	3.20	2.60	2.20	
22	0.40	0.80	35.20	18.30	30.25	29.25	15.30	7.90	4.30	3.20	2.60	2.20	
23	0.40	0.80	50.00	17.50	30.50	28.75	72.00	7.45	4.30	3.20	2.60	2.20	
24	0.50	1.20	72.00	17.50	29.50	35.80	40.00	7.30	4.15	3.20	2.60	2.20	
25	0.50	1.10	42.10	16.50	28.25	30.00	27.00	7.00	4.15	3.20	2.50	2.10	
26	0.50	1.20	48.25	16.30	36.70	39.70	21.75	7.00	4.00	3.20	2.50	2.10	
27	0.80	1.00	62.25	15.50	78.00	29.50	19.00	6.70	4.00	3.20	2.50	2.10	
28	1.10	1.10	68.40	16.10	130.63	27.00	17.30	6.55	3.90	3.10	2.50	2.10	
29	0.80	1.30	121.03	16.10	132.00	24.50	18.10	6.55	3.90	3.10		2.10	
30	0.80	2.00	84.00	25.00	96.00	22.00	15.50	6.55	3.80	3.10		2.10	
31		2.50		28.25	84.00		14.70		3.70	3.10		2.10	
TOTAL	18.10	36.40	982.15	1354.28	1372.08	1130.00	648.80	289.15	151.50	102.00	77.00	70.70	6232.16 CMSDAY
MEAN	0.60	1.17	32.74	43.69	44.26	37.67	20.93	9.64	4.89	3.29	2.75	2.28	17.07 CMS
MAX	1.10	3.10	121.03	176.00	132.00	68.40	72.00	15.10	6.40	3.60	3.00	2.50	176.00 CMS
MIN	0.30	0.20	1.40	15.50	18.30	22.00	12.50	6.55	3.70	3.10	2.50	2.10	0.20 CMS
RUNOFF	1.564	3.145	84.858	117.010	118.548	97.632	56.056	24.983	13.090	8.813	6.653	6.108	538.459 MCM

MOMENTARY PEAK 192.50 CMS, AT 72.67 M (MSL), AT 10.00 HOURS, ON JUL 1, 1985

RUNOFF YIELD 53.19 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 599.69 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

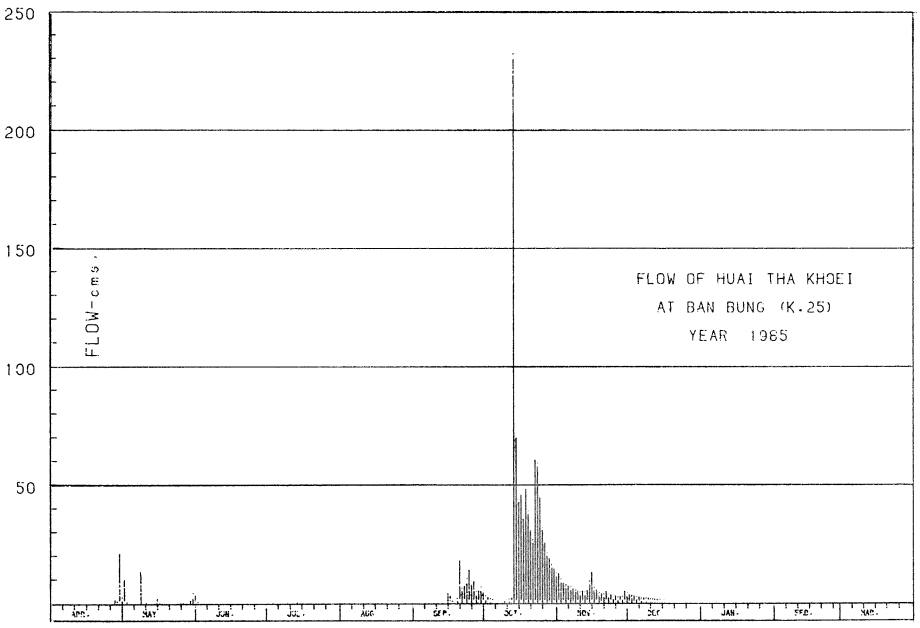
HUAI THA KHAEI AT BAN BUNG, RATCHABURI (K.25)

LOCATION	LAT. 13-25-42 N., LONG. 99-24-25 E., ON LEFT BANK AT BAN BUNG, TAMBON SUAN PHUNG, AMPHOE SUAN PHUNG, RATCHABURI.
DRAINAGE AREA	508 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.00 M.(A.D.)
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	1968 - 1970, 1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 129 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.24	2.69	1.70	1.42	1.54	1.39	2.10	2.82	2.14	1.69	1.59	1.53	
2	1.24	1.65	1.63	1.43	1.49	1.38	2.01	2.70	2.11	1.69	1.59	1.53	
3	1.24	1.50	1.59	1.47	1.47	1.38	1.94	2.61	2.07	1.69	1.59	1.53	
4	1.24	1.42	1.54	1.56	1.46	1.38	1.88	2.55	2.05	1.68	1.58	1.52	
5	1.24	1.38	1.51	1.57	1.47	1.38	1.82	2.51	2.02	1.67	1.58	1.52	
6	1.24	1.35	1.49	1.60	1.46	1.38	1.78	2.49	1.97	1.66	1.58	1.51	
7	1.24	1.39	1.47	1.59	1.45	1.38	1.74	2.41	1.95	1.66	1.58	1.51	
8	1.24	2.86	1.46	1.55	1.44	1.38	1.72	2.36	1.96	1.66	1.57	1.51	
9	1.24	1.60	1.45	1.53	1.43	1.37	1.98	2.31	1.95	1.65	1.57	1.51	
10	1.24	1.64	1.45	1.50	1.43	1.36	1.87	2.28	1.91	1.65	1.57	1.51	
11	1.24	1.52	1.44	1.49	1.43	1.36	1.92	2.31	1.92	1.65	1.57	1.50	
12	1.23	1.52	1.44	1.54	1.43	1.35	1.95	2.29	1.88	1.65	1.57	1.50	
13	1.23	1.39	1.44	1.85	1.43	1.35	5.61	2.34	1.87	1.64	1.56	1.50	
14	1.23	1.47	1.43	1.59	1.42	1.39	4.10	2.65	1.85	1.64	1.56	1.49	
15	1.23	1.95	1.43	1.57	1.42	2.32	3.70	2.84	1.84	1.64	1.56	1.50	
16	1.23	1.47	1.42	1.53	1.42	2.07	3.73	2.46	1.82	1.63	1.55	1.49	
17	1.23	1.61	1.42	1.50	1.41	1.75	3.57	2.36	1.82	1.63	1.55	1.48	
18	1.25	1.58	1.42	1.48	1.41	1.62	3.77	2.25	1.82	1.63	1.55	1.48	
19	1.34	1.47	1.42	1.47	1.41	2.11	3.61	2.21	1.81	1.62	1.55	1.48	
20	1.26	1.42	1.44	1.48	1.40	3.06	3.44	2.21	1.78	1.62	1.55	1.48	
21	1.25	1.40	1.45	1.55	1.42	2.44	3.34	2.30	1.77	1.62	1.54	1.48	
22	1.25	1.39	1.43	1.60	1.41	2.51	3.97	2.19	1.76	1.63	1.53	1.48	
23	1.24	1.43	1.43	1.59	1.41	2.72	3.95	2.13	1.75	1.62	1.54	1.48	
24	1.28	1.45	1.43	1.62	1.41	2.89	3.71	2.11	1.75	1.61	1.54	1.48	
25	1.33	1.65	1.43	1.59	1.41	2.65	3.47	2.08	1.73	1.61	1.54	1.48	
26	1.29	1.54	1.43	1.72	1.41	2.65	3.30	2.05	1.73	1.60	1.53	1.48	
27	1.85	1.45	1.43	1.62	1.41	2.31	3.18	2.05	1.74	1.60	1.53	1.48	
28	1.73	1.42	1.43	1.56	1.40	2.34	3.09	2.07	1.73	1.60	1.53	1.48	
29	3.17	1.81	1.43	1.54	1.40	2.48	3.00	2.30	1.72	1.60		1.48	
30	2.04	2.25	1.43	1.53	1.40	2.25	2.91	2.25	1.70	1.60		1.48	
31		2.14		1.52	1.39		2.83		1.70	1.59		1.48	
MEAN	1.38	1.64	1.46	1.55	1.43	1.91	2.94	2.35	1.86	1.64	1.56	1.50	
MAX	3.17	2.86	1.70	1.85	1.54	3.06	5.61	2.84	2.14	1.69	1.59	1.53	5.61
MIN	1.23	1.35	1.42	1.42	1.39	1.35	1.72	2.05	1.70	1.59	1.53	1.48	1.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.20 M (A.D), AT 6.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.24 M (A.D)
LEFT BANK ELEVATION 7.52 M (A.D)
RIGHT BANK ELEVATION 7.72 M (A.D), DRAINAGE AREA 508 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	10.11	0.92	0.16	0.41	0.11	3.22	12.63	3.53	0.88	0.52	0.39	
2	0.02	0.73	0.65	0.18	0.31	0.11	2.52	10.30	3.30	0.88	0.52	0.39	
3	0.02	0.33	0.52	0.27	0.27	0.11	2.10	8.59	2.99	0.88	0.52	0.39	
4	0.02	0.16	0.41	0.46	0.25	0.11	1.76	7.80	2.83	0.84	0.50	0.37	
5	0.02	0.11	0.35	0.48	0.27	0.11	1.41	7.32	2.60	0.81	0.50	0.37	
6	0.02	0.09	0.31	0.54	0.25	0.11	1.22	7.08	2.27	0.77	0.50	0.35	
7	0.02	0.11	0.27	0.52	0.23	0.11	1.07	6.12	2.16	0.77	0.50	0.35	
8	0.02	13.49	0.25	0.43	0.20	0.11	1.00	5.60	2.21	0.77	0.48	0.35	
9	0.02	0.54	0.23	0.39	0.18	0.10	2.33	5.10	2.16	0.73	0.48	0.35	
10	0.02	0.69	0.23	0.33	0.18	0.10	1.70	4.80	1.93	0.73	0.48	0.35	
11	0.02	0.37	0.20	0.31	0.18	0.10	1.98	5.10	1.98	0.73	0.48	0.33	
12	0.02	0.37	0.20	0.41	0.18	0.09	2.16	4.90	1.76	0.73	0.48	0.33	
13	0.02	0.11	0.20	1.59	0.18	0.09	232.03	5.40	1.70	0.69	0.46	0.33	
14	0.02	0.27	0.18	0.52	0.16	0.11	70.00	9.35	1.59	0.69	0.46	0.31	
15	0.02	2.16	0.18	0.48	0.16	5.20	44.00	13.06	1.53	0.69	0.46	0.33	
16	0.02	0.27	0.16	0.39	0.16	2.99	45.80	6.72	1.41	0.65	0.43	0.31	
17	0.02	0.58	0.16	0.33	0.14	1.11	37.00	5.60	1.41	0.65	0.43	0.29	
18	0.03	0.50	0.16	0.29	0.14	0.62	48.20	4.50	1.41	0.65	0.43	0.29	
19	0.08	0.27	0.16	0.27	0.14	3.30	39.05	4.10	1.36	0.62	0.43	0.29	
20	0.04	0.16	0.20	0.29	0.12	18.15	30.80	4.10	1.22	0.62	0.43	0.29	
21	0.03	0.12	0.23	0.43	0.16	6.48	26.90	5.00	1.19	0.62	0.41	0.29	
22	0.03	0.11	0.18	0.54	0.14	7.32	60.55	3.92	1.15	0.65	0.39	0.29	
23	0.02	0.18	0.18	0.52	0.14	10.68	59.25	3.45	1.11	0.62	0.41	0.29	
24	0.05	0.23	0.18	0.62	0.14	14.14	44.60	3.30	1.11	0.58	0.41	0.29	
25	0.08	0.73	0.18	0.52	0.14	9.35	32.15	3.06	1.03	0.58	0.41	0.29	
26	0.05	0.41	0.18	1.00	0.14	9.35	25.50	2.83	1.03	0.54	0.39	0.29	
27	1.59	0.23	0.18	0.62	0.14	5.10	21.45	2.83	1.07	0.54	0.39	0.29	
28	1.03	0.16	0.18	0.46	0.12	5.40	18.97	2.99	1.03	0.54	0.39	0.29	
29	21.18	1.36	0.18	0.41	0.12	6.96	16.50	5.00	1.00	0.54		0.29	
30	2.75	4.50	0.18	0.39	0.12	4.50	14.57	4.50	0.92	0.54		0.29	
31		3.53		0.37	0.11		12.84		0.92	0.52		0.29	
TOTAL	27.30	42.98	7.79	14.52	5.58	112.12	902.63	175.05	52.91	21.05	12.69	9.95	1384.57 CMSDAY
MEAN	0.91	1.39	0.26	0.47	0.18	3.74	29.12	5.84	1.71	0.68	0.45	0.32	3.79 CMS
MAX	21.18	13.49	0.92	1.59	0.41	18.15	232.03	13.06	3.53	0.88	0.52	0.39	232,03 CMS
MIN	0.02	0.09	0.16	0.16	0.11	0.09	1.00	2.83	0.92	0.52	0.39	0.29	0.02 CMS
RUNOFF	2.359	3.713	0.673	1.255	0.482	9.687	77.987	15.124	4.571	1.819	1.096	0.860	119.627 MCM

MOMENTARY PEAK 558.00 CMS, AT 7.20 M (A.D), AT 6.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 7.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1098.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

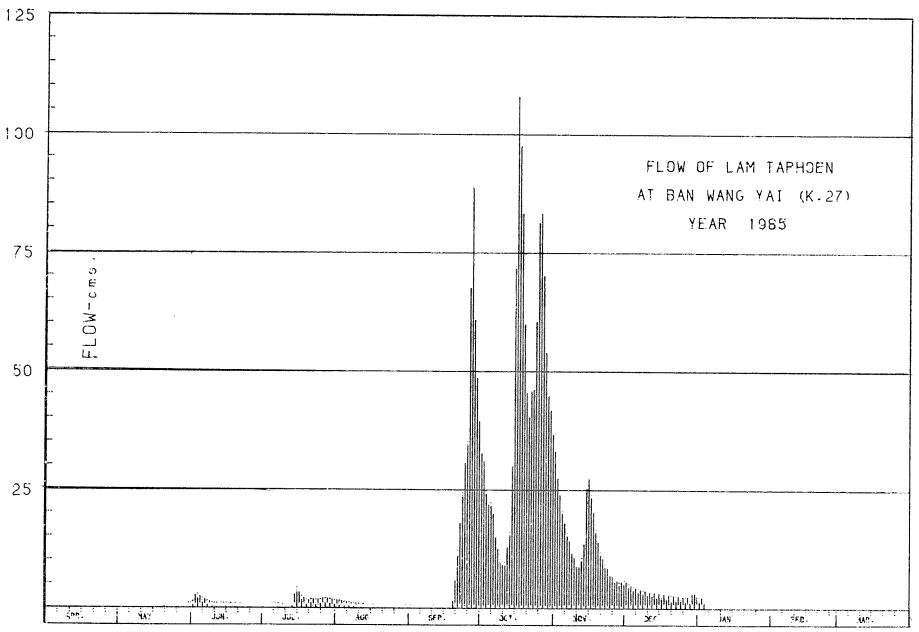
LAM TAPHOEN AT BAN WANG YAI, KANCHANABURI (K.27)

LOCATION	LAT. 14-20-14 N., LONG. 99-29-22 E., ON LEFT BANK ABOUT 3 KILOMETERS UPSTREAM FROM BAN LAT YA, AMPHOE BO PHLOI, KANCHANABURI.
DRAINAGE AREA	1,921 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF METEOROLOGICAL STATION.
ELEVATION	+6.250 M.(A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1968 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	0.81	1.35	1.07	1.45	1.02	4.13	4.12	2.30	1.64	4.74	4.72	
2	0.80	0.81	1.71	1.11	1.42	1.01	4.04	3.91	2.23	1.61	4.74	4.72	
3	0.80	0.82	1.78	1.14	1.39	0.99	3.77	3.73	2.17	1.59	4.74	4.72	
4	0.84	0.83	1.65	1.18	1.35	0.98	3.63	3.56	2.13	2.40	4.74	4.72	
5	0.80	0.83	1.56	1.20	1.31	0.98	3.65	3.41	2.08	4.17	4.74	4.72	
6	0.80	0.83	1.47	1.19	1.29	0.96	3.53	3.29	2.04	4.73	4.73	4.72	
7	0.80	0.79	1.40	1.16	1.26	0.94	3.27	3.17	2.00	4.76	4.73	4.71	
8	0.81	0.79	1.33	1.12	1.23	0.94	3.04	3.02	1.98	4.76	4.73	4.71	
9	0.80	0.79	1.27	1.10	1.20	0.93	2.85	2.88	1.96	4.76	4.73	4.71	
10	0.79	0.80	1.23	1.07	1.17	0.94	2.74	2.77	1.93	4.76	4.73	4.71	
11	0.79	0.81	1.20	1.04	1.15	0.93	2.80	2.69	1.90	4.76	4.73	4.71	
12	0.79	0.80	1.19	1.07	1.14	0.94	3.07	2.88	1.89	4.76	4.73	4.71	
13	0.79	0.81	1.18	1.19	1.12	0.91	3.30	3.12	1.88	4.76	4.73	4.71	
14	0.79	0.80	1.20	1.76	1.10	0.94	3.99	3.79	1.85	4.76	4.73	4.71	
15	0.79	0.82	1.20	2.09	1.10	0.99	5.20	3.88	1.82	4.76	4.73	4.71	
16	0.79	0.83	1.20	1.88	1.08	0.98	5.91	3.73	1.80	4.76	4.73	4.71	
17	0.81	0.82	1.18	1.69	1.06	0.97	5.73	3.54	1.78	4.76	4.73	4.71	
18	0.86	0.81	1.17	1.58	1.05	1.00	5.44	3.33	1.77	4.76	4.73	4.71	
19	0.82	0.82	1.16	1.50	1.03	1.59	4.93	3.15	1.74	4.75	4.73	4.71	
20	0.80	1.05	1.15	1.45	1.03	2.34	4.54	2.99	1.72	4.75	4.73	4.71	
21	0.80	1.07	1.13	1.52	1.01	3.02	4.39	2.86	1.71	4.75	4.72	4.70	
22	0.80	1.07	1.10	1.51	0.99	3.41	4.55	2.75	1.69	4.73	4.72	4.70	
23	0.81	1.06	1.09	1.49	0.98	3.75	4.58	2.66	1.68	4.74	4.72	4.69	
24	0.84	1.03	1.08	1.50	0.98	4.02	4.93	2.57	1.67	4.75	4.72	4.69	
25	0.82	1.01	1.08	1.52	0.97	4.20	5.41	2.47	1.65	4.75	4.72	4.68	
26	0.81	1.00	1.07	1.57	0.96	5.10	5.44	2.39	1.64	4.75	4.72	4.68	
27	0.80	0.97	1.08	1.57	0.96	5.56	5.17	2.33	1.63	4.74	4.72	4.67	
28	0.80	1.06	1.08	1.55	0.96	4.94	4.77	2.29	1.61	4.74	4.73	4.66	
29	0.80	1.18	1.07	1.53	0.98	4.65	4.54	2.29	1.80	4.74		4.66	
30	0.81	1.20	1.06	1.49	0.99	4.34	4.42	2.33	2 06	4.74		4.65	
31		1.25		1.47	1.01		4.27		1.67	4.74		4.65	
MEAN	0.81	0.92	1.25	1.40	1.12	2.14	4.26	3.06	1.86	4.35	4.73	4.70	
MAX	0.86	1.25	1.78	2.09	1.45	5.56	5.91	4.12	2.30	4.76	4.74	4.72	5.91
MIN	0.79	0.79	1.06	1.04	0.96	0.91	2.74	2.29	1.61	1.59	4.72	4.65	0.79

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.95 M (A.D), AT 7.00 HOURS, ON OCT 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.91 M (A.D)
LEFT BANK ELEVATION 6.80 M (A.D)
RIGHT BANK ELEVATION 7.59 M (A.D), DRAINAGE AREA 1921 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	0.22	1.35	0.74	1.65	0.64	33.38	33.12	5.60	2.36	0.00	0.00	
2	0.20	0.22	2.64	0.82	1.56	0.62	31.16	28.04	5.18	2.24	0.00	0.00	
3	0.20	0.24	2.92	0.88	1.47	0.58	24.77	23.93	4.82	2.16	0.00	0.00	
4	0.28	0.26	2.40	0.96	1.35	0.56	21.90	20.58	4.58	0.00	0.00	0.00	
5	0.20	0.26	2.04	1.00	1.23	0.56	22.30	17.97	4.30	0.00	0.00	0.00	
6	0.20	0.26	1.71	0.98	1.18	0.52	20.04	15.95	4.10	0.00	0.00	0.00	
7	0.20	0.18	1.50	0.92	1.12	0.48	15.65	14.21	3.90	0.00	0.00	0.00	
8	0.22	0.18	1.29	0.84	1.06	0.48	12.52	12.26	3.80	0.00	0.00	0.00	
9	0.20	0.18	1.14	0.80	1.00	0.46	10.35	10.68	3.70	0.00	0.00	0.00	
10	0.18	0.20	1.06	0.74	0.94	0.48	9.20	9.50	3.55	0.00	0.00	0.00	
11	0.18	0.22	1.00	0.68	0.90	0.46	9.80	8.71	3.40	0.00	0.00	0.00	
12	0.18	0.20	0.98	0.74	0.88	0.48	12.91	10.68	3.36	0.00	0.00	0.00	
13	0.18	0.22	0.96	0.98	0.84	0.42	16.10	13.56	3.32	0.00	0.00	0.00	
14	0.18	0.20	1.00	2.84	0.80	0.48	29.96	25.19	3.20	0.00	0.00	0.00	
15	0.18	0.24	1.00	4.35	0.80	0.58	72.10	27.32	3.08	0.00	0.00	0.00	
16	0.18	0.26	1.00	3.32	0.76	0.56	108.07	23.93	3.00	0.00	0.00	0.00	
17	0.22	0.24	0.96	2.56	0.72	0.54	98.09	20.22	2.92	0.00	0.00	0.00	
18	0.32	0.22	0.94	2.12	0.70	0.60	83.32	16.61	2.88	0.00	0.00	0.00	
19	0.24	0.24	0.92	1.80	0.66	2.16	60.43	13.95	2.76	0.00	0.00	0.00	
20	0.20	0.70	0.90	1.65	0.66	5.88	45.48	11.89	2.68	0.00	0.00	0.00	
21	0.20	0.74	0.86	1.88	0.62	12.26	40.90	10.46	2.64	0.00	0.00	0.00	
22	0.20	0.74	0.80	1.84	0.58	17.97	45.80	9.30	2.56	0.00	0.00	0.00	
23	0.22	0.72	0.78	1.77	0.56	24.35	46.76	8.44	2.52	0.00	0.00	0.00	
24	0.28	0.66	0.76	1.80	0.56	30.68	60.43	7.66	2.48	0.00	0.00	0.00	
25	0.24	0.62	0.76	1.88	0.54	35.20	81.88	6.86	2.40	0.00	0.00	0.00	
26	0.22	0.60	0.74	2.08	0.52	67.60	83.32	6.23	2.36	0.00	0.00	0.00	
27	0.20	0.54	0.76	2.08	0.52	89.26	70.75	5.81	2.32	0.00	0.00	0.00	
28	0.20	0.72	0.76	2.00	0.52	60.84	53.94	5.54	2.24	0.00	0.00	0.00	
29	0.20	0.96	0.74	1.92	0.56	49.33	45.48	5.54	3.00	0.00		0.00	
30	0.22	1.00	0.72	1.77	0.58	39.40	41.80	5.81	4.20	0.00		0.00	
31		1.10		1.71	0.62		37.30		2.48	0.00		0.00	
TOTAL	6.32	13.34	35.39	50.45	26.46	444.43	1345.89	429.95	103.33	6.76	0.00	0.00	2462.32 CMSDAY
MEAN	0.21	0.43	1.18	1.63	0.85	14.81	43.42	14.33	3.33	0.22	0.00	0.00	6.75 CMS
MAX	0.32	1.10	2.92	4.35	1.65	89.26	108.07	33.12	5.60	2.36	0.00	0.00	108.07 CMS
MIN	0.18	0.18	0.72	0.68	0.52	0.42	9.20	5.54	2.24	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.546	1.153	3.058	4.359	2.286	38.399	116.285	37.148	8.928	0.584	0.000	0.000	212.744 MCM

MOMENTARY PEAK 110.35 CMS, AT 5.95 M (A.D), AT 7.00 HOURS, ON OCT 16, 1985

RUNOFF YIELD 3.51 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 57.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

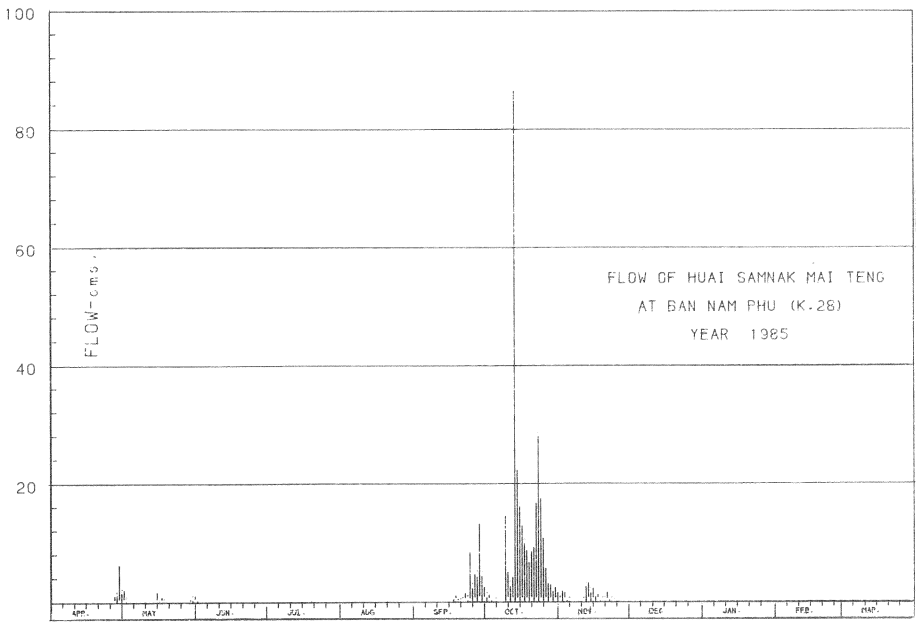
HUAI SAMNAK MAI TENG AT BAN NAM PHU, RATCHABURI (K.28)

LOCATION	LAT. 13-30-23 N., LONG. 99-36-04 E., ON LEFT BANK AT BAN NAM PHU, AMPHOE PAK THO, RATCHABURI.
DRAINAGE AREA	183 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+6.189 M. (A.D.)
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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE BY SOME SILTING.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 5.59 M.(M.S.L.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.17	1.53	0.85	0.67	0.65	0.60	1.36	1.62	1.50	1.40	1.37	1.21	
2	0.15	1.16	0.78	0.72	0.64	0.60	1.23	1.85	1.48	1.39	1.37	1.20	
3	0.14	0.80	0.75	0.84	0.63	0.60	1.17	1.72	1.47	1.39	1.37	1.19	
4	0.13	0.77	0.72	0.87	0.62	0.60	1.06	1.62	1.47	1.39	1.37	1.17	
5	0.12	0.75	0.72	0.79	0.62	0.60	1.01	1.58	1.46	1.39	1.37	1.15	
6	0.11	0.73	0.71	0.75	0.64	0.60	0.96	1.56	1.45	1.39	1.36	1.17	
7	0.11	0.73	0.70	0.74	0.68	0.60	0.92	1.54	1.45	1.39	1.36	1.18	
8	0.10	0.72	0.69	0.74	0.65	0.60	0.90	1.53	1.45	1.39	1.36	1.18	
9	0.09	0.81	0.69	0.74	0.64	0.60	2.90	1.51	1.44	1.39	1.36	1.18	
10	0.08	0.95	0.68	0.73	0.62	0.60	2.12	1.52	1.44	1.39	1.36	1.17	
11	0.06	0.76	0.69	0.73	0.62	0.62	1.86	1.58	1.44	1.39	1.36	1.16	
12	0.05	0.76	0.69	0.72	0.61	0.60	2.00	1.94	1.43	1.39	1.35	1.15	
13	0.04	0.91	0.68	0.70	0.61	0.60	4.84	1.94	1.43	1.39	1.35	1.14	
14	0.03	1.01	0.67	0.75	0.61	0.62	3.29	1.83	1.43	1.39	1.35	1.13	
15	0.02	1.40	0.66	0.95	0.60	0.72	3.00	1.82	1.42	1.39	1.35	1.11	
16	0.02	0.97	0.65	0.76	0.60	0.75	2.76	1.73	1.42	1.39	1.34	1.08	
17	0.38	1.13	0.65	0.72	0.60	1.06	2.60	1.66	1.42	1.39	1.33	1.06	
18	0.93	1.01	0.65	0.73	0.66	1.18	2.46	1.61	1.41	1.38	1.32	1.05	
19	0.67	0.93	0.65	0.94	0.73	0.92	2.36	1.58	1.41	1.38	1.30	1.03	
20	0.63	0.84	0.65	0.81	0.69	1.02	2.44	1.58	1.41	1.38	1.29	1.00	
21	0.61	0.80	0.66	0.76	0.71	1.08	2.56	1.72	1.41	1.38	1.28	0.99	
22	0.57	0.78	0.67	0.73	0.65	1.32	3.00	1.64	1.40	1.38	1.27	0.98	
23	0.53	0.76	0.67	0.72	0.63	1.21	3.58	1.58	1.40	1.38	1.26	0.96	
24	0.85	0.76	0.69	0.72	0.63	2.43	3.04	1.54	1.40	1.38	1.25	0.94	
25	0.77	0.78	0.69	0.70	0.63	1.79	2.66	1.52	1.40	1.38	1.24	0.91	
26	0.85	0.77	0.69	0.75	0.61	2.07	2.20	1.51	1.40	1.38	1.24	0.88	
27	1.20	0.76	0.69	0.73	0.61	2.15	1.96	1.51	1.40	1.38	1.24	0.85	
28	1.42	0.76	0.69	0.70	0.61	2.78	1.74	1.50	1.40	1.38	1.23	0.85	
29	2.26	0.97	0.68	0.69	0.60	2.13	1.67	1.49	1.40	1.38		0.83	
30	1.60	1.20	0.68	0.66	0.60	1.65	1.64	1.53	1.40	1.38		0.83	
31		1.20		0.65	0.60		1.62		1.40	1.38		0.82	
MEAN	0.49	0.91	0.69	0.75	0.63	1.09	2.16	1.63	1.43	1.39	1.32	1.05	
MAX	2.26	1.53	0.85	0.95	0.73	2.78	4.84	1.94	1.50	1.40	1.37	1.21	4.84
MIN	0.02	0.72	0.65	0.65	0.60	0.60	0.90	1.49	1.40	1.38	1.23	0.82	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.27 M (A.D), AT 5.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 5.74 M (A.D)
RIGHT BANK ELEVATION 5.59 M (A.D), DRAINAGE AREA 183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	2.09	0.30	0.07	0.05	0.00	1.58	1.01	0.46	0.14	0.10	0.00	
2	0.00	0.98	0.18	0.12	0.04	0.00	1.19	2.52	0.40	0.13	0.10	0.00	
3	0.00	0.20	0.15	0.28	0.03	0.00	1.01	1.59	0.36	0.13	0.10	0.00	
4	0.00	0.17	0.12	0.34	0.02	0.00	0.72	1.01	0.36	0.13	0.10	0.00	
5	0.00	0.15	0.12	0.19	0.02	0.00	0.62	0.81	0.33	0.13	0.10	0.00	
6	0.00	0.13	0.11	0.15	0.04	0.00	0.52	0.72	0.30	0.13	0.08	0.00	
7	0.00	0.13	0.10	0.14	0.08	0.00	0.44	0.64	0.30	0.13	0.08	0.00	
8	0.00	0.12	0.09	0.14	0.05	0.00	0.40	0.59	0.30	0.13	0.08	0.00	
9	0.00	0.22	0.09	0.14	0.04	0.00	15.10	0.50	0.27	0.13	0.08	0.00	
10	0.00	0.50	0.08	0.13	0.02	0.00	5.06	0.55	0.27	0.13	0.08	0.00	
11	0.00	0.16	0.09	0.13	0.02	0.02	3.50	0.81	0.27	0.13	0.08	0.00	
12	0.00	0.16	0.09	0.12	0.01	0.00	4.20	3.24	0.24	0.13	0.07	0.00	
13	0.00	0.42	0.08	0.10	0.01	0.00	86.96	3.24	0.24	0.13	0.07	0.00	
14	0.00	0.62	0.07	0.15	0.01	0.02	22.30	2.36	0.24	0.13	0.07	0.00	
15	0.00	1.70	0.06	0.50	0.00	0.12	16.75	2.28	0.20	0.13	0.07	0.00	
16	0.00	0.54	0.05	0.16	0.00	0.15	12.93	1.66	0.20	0.13	0.06	0.00	
17	0.00	0.89	0.05	0.12	0.00	0.72	10.60	1.24	0.20	0.13	0.04	0.00	
18	0.46	0.62	0.05	0.13	0.06	1.04	8.75	0.96	0.17	0.11	0.03	0.00	
19	0.07	0.46	0.05	0.48	0.13	0.44	7.52	0.81	0.17	0.11	0.00	0.00	
20	0.03	0.28	0.05	0.22	0.09	0.64	8.50	0.81	0.17	0.11	0.00	0.00	
21	0.01	0.20	0.06	0.16	0.11	0.76	10.06	1.59	0.17	0.11	0.00	0.00	
22	0.00	0.18	0.07	0.13	0.05	1.46	16.75	1.12	0.14	0.11	0.00	0.00	
23	0.00	0.16	0.07	0.12	0.03	1.13	28.61	0.81	0.14	0.11	0.00	0.00	
24	0.30	0.16	0.09	0.12	0.03	8.38	17.47	0.64	0.14	0.11	0.00	0.00	
25	0.17	0.18	0.09	0.10	0.03	3.15	11.44	0.55	0.14	0.11	0.00	0.00	
26	0.30	0.17	0.09	0.15	0.01	4.69	5.70	0.50	0.14	0.11	0.00	0.00	
27	1.10	0.16	0.09	0.13	0.01	5.30	4.00	0.50	0.14	0.11	0.00	0.00	
28	1.76	0.16	0.09	0.10	0.01	13.24	2.90	0.46	0.14	0.11	0.00	0.00	
29	6.36	0.54	0.08	0.09	0.00	5.14	2.58	0.43	0.14	0.11		0.00	
30	2.30	1.10	0.08	0.06	0.00	2.50	2.46	0.59	0.14	0.11		0.00	
31		1.10		0.05	0.00		2.38		0.14	0.11		0.00	
TOTAL	12.86	14.65	2.79	5.02	1.00	48.90	313.00	34.54	7.02	3.76	1.39	0.00	444.93 CMSDAY
MEAN	0.43	0.47	0.09	0.16	0.03	1.63	10.10	1.15	0.23	0.12	0.05	0.00	1.22 CMS
MAX	6.36	2.09	0.30	0.50	0.13	13.24	86.96	3.24	0.46	0.14	0.10	0.00	86.96 CMS
MIN	0.00	0.12	0.05	0.05	0.00	0.00	0.40	0.43	0.14	0.11	0.00	0.00	0.00 CMS
RUNOFF	1.111	1.266	0.241	0.434	0.086	4.225	27.043	2.984	0.607	0.325	0.120	0.000	38.442 MCM

MOMENTARY PEAK 744.20 CMS, AT 7.27 M (A.D), AT 5.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 6.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 4066.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

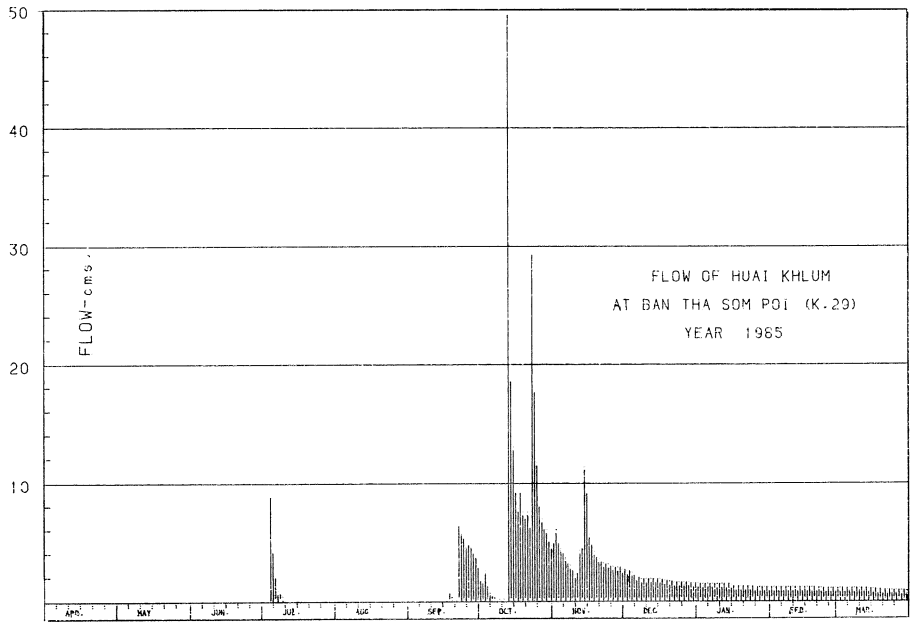
HUAI KHLUM AT BAN THA SOM POI, RATCHABURI (K.29)

LOCATION	LAT. 13-34-45 N., LONG. 99-20-19 E., ON RIGHT BANK AT BAN THA SOM POI, AMPHOE SUAN PHUNG, RATCHABURI.
DRAINAGE AREA	232 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.80 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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE BY SOME SILTING.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 5.55 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 72 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.48	1.87	1.55	1.61	1.81	1.60	2.24	2.47	2.21	2.05	2.00	1.98	
2	1.48	1.75	1.54	1.65	1.79	1.59	2.19	2.55	2.20	2.04	2.00	1.98	
3	1.47	1.64	1.53	1.78	1.78	1.58	2.29	2.47	2.20	2.04	2.00	1.98	
4	1.47	1.58	1.52	2.73	1.75	1.58	2.16	2.44	2.18	2.04	2.00	1.98	
5	1.46	1.55	1.52	2.44	1.73	1.58	2.10	2.41	2.14	2.04	2.00	1.98	
6	1.46	1.55	1.52	2.24	1.72	1.58	2.04	2.38	2.12	2.04	2.00	1.98	
7	1.46	1.55	1.52	2.13	1.70	1.57	2.02	2.34	2.12	2.04	2.00	1.98	
8	1.46	1.55	1.51	2.09	1.69	1.57	2.00	2.33	2.10	2.04	2.00	1.98	
9	1.46	1.53	1.51	2.05	1.67	1.57	2.00	2.29	2.10	2.04	2.00	1.98	
10	1.46	1.52	1.51	2.00	1.66	1.57	2.00	2.26	2.10	2.04	2.00	1.98	
11	1.46	1.52	1.51	1.97	1.65	1.57	2.00	2.27	2.10	2.04	2.00	1.98	
12	1.45	1.57	1.53	1.98	1.64	1.56	1.99	2.43	2.10	2.04	2.00	1.98	
13	1.45	1.68	1.54	1.95	1.63	1.56	4.36	2.44	2.10	2.04	2.00	1.98	
14	1.45	1.80	1.54	1.92	1.62	1.56	3.21	2.87	2.10	2.04	2.00	1.97	
15	1.45	1.71	1.54	1.95	1.61	1.87	2.96	2.72	2.10	2.03	2.00	1.97	
16	1.45	1.65	1.53	1.95	1.61	1.87	2.75	2.49	2.10	2.01	2.00	1.96	
17	1.45	1.67	1.54	1.95	1.60	1.91	2.67	2.42	2.09	2.01	2.00	1.96	
18	1.46	1.70	1.54	1.89	1.60	2.09	2.75	2.37	2.08	2.01	2.00	1.95	
19	1.46	1.76	1.54	1.88	1.59	2.03	2.65	2.32	2.08	2.01	2.00	1.95	
20	1.46	1.74	1.55	1.88	1.56	2.00	2.61	2.31	2.07	2.01	2.00	1.94	
21	1.45	1.66	1.55	1.88	1.58	2.06	2.65	2.28	2.07	2.01	1.99	1.94	
22	1.65	1.64	1.55	1.84	1.57	2.57	2.56	2.27	2.06	2.01	1.99	1.94	
23	1.50	1.62	1.55	1.85	1.57	2.54	3.62	2.26	2.06	2.01	1.98	1.94	
24	1.46	1.60	1.56	1.92	1.56	2.50	3.17	2.26	2.06	2.01	1.98	1.93	
25	1.45	1.59	1.56	1.89	1.56	2.47	2.89	2.24	2.06	2.00	1.98	1.93	
26	1.46	1.58	1.57	1.89	1.57	2.46	2.68	2.24	2.06	2.00	1.98	1.93	
27	1.49	1.57	1.59	1.88	1.57	2.47	2.61	2.23	2.06	2.00	1.98	1.93	
28	1.50	1.56	1.59	1.84	1.59	2.41	2.55	2.23	2.06	2.00	1.98	1.93	
29	1.55	1.55	1.59	1.80	1.61	2.41	2.55	2.23	2.05	2.00		1.93	
30	1.58	1.55	1.60	1.80	1.61	2.31	2.48	2.21	2.05	2.00		1.92	
31		1.56		1.80	1.60		2.46		2.05	2.00		1.92	
MEAN	1.48	1.62	1.54	1.95	1.64	1.93	2.56	2.37	2.10	2.02	2.00	1.96	
MAX	1.65	1.87	1.60	2.73	1.81	2.57	4.36	2.87	2.21	2.05	2.00	1.98	4.36
MIN	1.45	1.52	1.51	1.61	1.56	1.56	1.99	2.21	2.05	2.00	1.98	1.92	1.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.00 M (A.D), AT 12.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.35 M (A.D)
LEFT BANK ELEVATION 5.88 M (A.D)
RIGHT BANK ELEVATION 5.55 M (A.D), DRAINAGE AREA 232 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

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	2.04	4.88	2.69	1.55	1.20	1.12	
2	0.00	0.00	0.00	0.00	0.00	0.00	1.51	6.05	2.60	1.48	1.20	1.12	
3	0.00	0.00	0.00	0.00	0.00	0.00	2.59	4.88	2.60	1.48	1.20	1.12	
4	0.00	0.00	0.00	8.81	0.00	0.00	1.24	4.46	2.46	1.48	1.20	1.12	
5	0.00	0.00	0.00	4.46	0.00	0.00	0.70	4.04	2.18	1.48	1.20	1.12	
6	0.00	0.00	0.00	2.04	0.00	0.00	0.40	3.66	2.04	1.48	1.20	1.12	
7	0.00	0.00	0.00	0.97	0.00	0.00	0.30	3.18	2.04	1.48	1.20	1.12	
8	0.00	0.00	0.00	0.65	0.00	0.00	0.20	3.06	1.90	1.48	1.20	1.12	
9	0.00	0.00	0.00	0.45	0.00	0.00	0.20	2.59	1.90	1.48	1.20	1.12	
10	0.00	0.00	0.00	0.20	0.00	0.00	0.20	2.26	1.90	1.48	1.20	1.12	
11	0.00	0.00	0.00	0.14	0.00	0.00	0.20	2.37	1.90	1.48	1.20	1.12	
12	0.00	0.00	0.00	0.16	0.00	0.00	0.18	4.32	1.90	1.48	1.20	1.12	
13	0.00	0.00	0.00	0.10	0.00	0.00	54.18	4.46	1.90	1.48	1.20	1.12	
14	0.00	0.00	0.00	0.04	0.00	0.00	18.54	11.33	1.90	1.48	1.20	1.08	
15	0.00	0.00	0.00	0.10	0.00	0.00	13.04	9.10	1.90	1.41	1.20	1.08	
16	0.00	0.00	0.00	0.18	0.00	0.00	9.15	5.67	1.90	1.27	1.20	1.04	
17	0.00	0.00	0.00	0.10	0.00	0.02	7.85	4.76	1.83	1.27	1.20	1.04	
18	0.00	0.00	0.00	0.00	0.00	0.65	9.15	4.20	1.76	1.27	1.20	1.00	
19	0.00	0.00	0.00	0.00	0.00	0.35	7.55	3.70	1.76	1.27	1.20	1.00	
20	0.00	0.00	0.00	0.00	0.00	0.20	6.95	3.60	1.69	1.27	1.20	0.96	
21	0.00	0.00	0.00	0.00	0.00	0.50	7.55	3.32	1.69	1.27	1.16	0.96	
22	0.00	0.00	0.00	0.00	0.00	6.35	6.20	3.23	1.62	1.27	1.16	0.96	
23	0.00	0.00	0.00	0.00	0.00	5.90	29.52	3.14	1.62	1.27	1.12	0.96	
24	0.00	0.00	0.00	0.04	0.00	5.30	17.61	3.14	1.62	1.27	1.12	0.92	
25	0.00	0.00	0.00	0.00	0.00	4.88	11.71	2.96	1.62	1.20	1.12	0.92	
26	0.00	0.00	0.00	0.00	0.00	4.74	8.00	2.96	1.62	1.20	1.12	0.92	
27	0.00	0.00	0.00	0.00	0.00	4.88	6.95	2.87	1.62	1.20	1.12	0.92	
28	0.00	0.00	0.00	0.00	0.00	4.04	6.05	2.87	1.62	1.20	1.12	0.92	
29	0.00	0.00	0.00	0.00	0.00	4.04	6.05	2.87	1.55	1.20		0.92	
30	0.00	0.00	0.00	0.00	0.00	2.82	5.02	2.69	1.55	1.20		0.88	
31		0.00		0.00	0.00		4.74		1.55	1.20		0.88	
TOTAL	0.00	0.00	0.00	18.44	0.00	44.67	245.57	122.62	58.43	42.03	33.04	31.92	596.72 CMSDAY
MEAN	0.00	0.00	0.00	0.59	0.00	1.49	7.92	4.09	1.88	1.36	1.18	1.03	1.63 CMS
MAX	0.00	0.00	0.00	8.81	0.00	6.35	54.18	11.33	2.69	1.55	1.20	1.12	54.18 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.18	2.26	1.55	1.20	1.12	0.88	0.00 CMS
RUNOFF	0.000	0.000	0.000	1.593	0.000	3.859	21.217	10.594	5.048	3.631	2.855	2.758	51.557 MCM

MOMENTARY PEAK 123.00 CMS, AT 6.00 M (A.D), AT 12.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 7.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 530.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

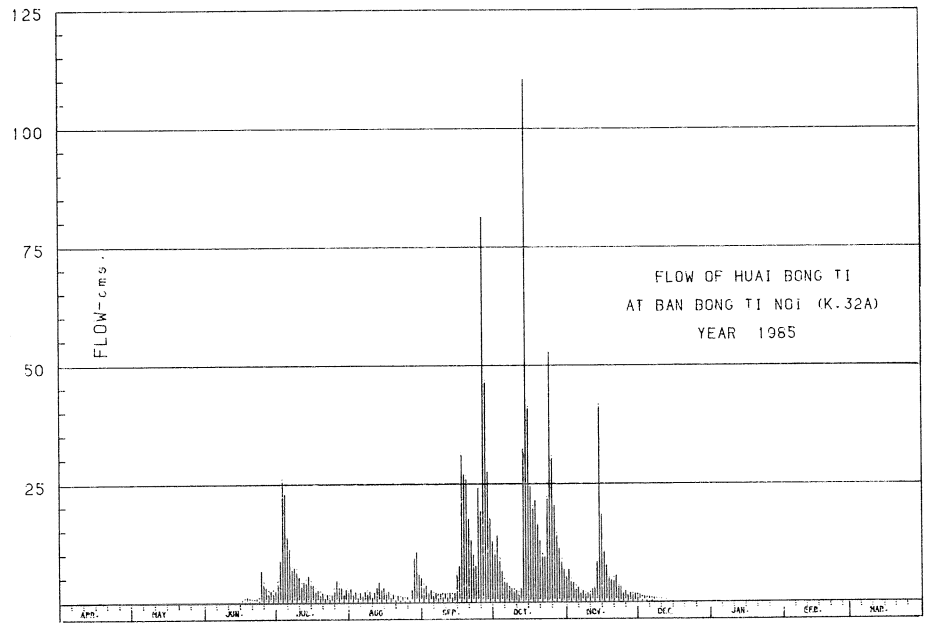
HUAI BONG TI AT BAN BONG TI NOI, KANCHANABURI (K.32A)

LOCATION	LAT. 14-16-25 N., LONG. 98-56-04 E., ON RIGHT BANK AT BAN BONG TI NOI,AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	512 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 8.50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+4.238 M.(A.D.)
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 FLOAT	-
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 134 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.00	0.02	1.52	1.33	1.45	1.94	1.71	1.12	0.75	0.66	0.64	
2	0.10	0.00	0.02	1.83	1.28	1.41	2.10	1.56	1.07	0.74	0.66	0.63	
3	0.09	0.00	0.03	2.67	1.23	1.32	1.86	1.47	1.05	0.73	0.66	0.63	
4	0.07	0.00	0.03	2.52	1.19	1.29	1.69	1.40	1.03	0.73	0.66	0.63	
5	0.10	0.00	0.02	2.11	1.21	1.24	1.56	1.35	1.02	0.72	0.65	0.63	
6	0.10	0.00	0.01	1.97	1.24	1.20	1.46	1.29	1.01	0.72	0.65	0.63	
7	0.08	0.00	0.00	1.76	1.24	1.17	1.38	1.25	0.99	0.71	0.65	0.63	
8	0.06	0.00	-0.02	1.74	1.30	1.17	1.32	1.22	0.97	0.71	0.65	0.63	
9	0.05	0.00	-0.02	1.73	1.26	1.20	1.32	1.18	0.95	0.71	0.65	0.63	
10	0.04	0.00	0.01	1.59	1.21	1.18	1.27	1.23	0.94	0.71	0.65	0.63	
11	0.03	0.00	0.06	1.48	1.21	1.19	1.24	1.31	0.92	0.70	0.65	0.63	
12	0.02	0.00	0.10	1.49	1.43	1.20	1.32	1.42	0.91	0.71	0.65	0.63	
13	0.01	0.00	0.19	1.55	1.49	1.20	2.91	1.81	0.89	0.70	0.65	0.63	
14	0.00	0.00	0.25	1.61	1.41	1.19	4.70	3.22	0.88	0.69	0.65	0.63	
15	0.00	0.00	0.37	1.52	1.35	1.68	3.21	2.31	0.86	0.69	0.65	0.62	
16	0.00	0.00	0.93	1.42	1.30	1.76	2.59	1.96	0.86	0.69	0.65	0.62	
17	0.00	0.00	1.00	1.36	1.25	2.89	2.40	1.77	0.85	0.69	0.65	0.62	
18	0.00	0.00	1.04	1.29	1.19	2.71	2.45	1.62	0.84	0.69	0.65	0.61	
19	0.01	0.00	1.00	1.27	1.15	2.70	2.24	1.52	0.83	0.69	0.65	0.60	
20	0.00	0.00	0.97	1.20	1.11	2.27	2.05	1.58	0.82	0.69	0.64	0.59	
21	0.00	0.00	0.95	1.17	1.10	2.09	1.91	1.61	0.81	0.68	0.64	0.59	
22	0.00	0.00	0.99	1.15	1.09	1.90	1.87	1.46	0.80	0.68	0.64	0.59	
23	0.00	0.00	1.06	1.14	1.06	1.81	2.49	1.37	0.79	0.68	0.64	0.59	
24	0.00	0.00	1.70	1.13	1.04	2.58	3.53	1.30	0.78	0.68	0.64	0.59	
25	0.00	0.00	1.50	1.36	1.05	2.38	2.86	1.25	0.78	0.68	0.64	0.59	
26	0.00	0.00	1.36	1.52	1.08	4.17	2.40	1.21	0.78	0.68	0.64	0.59	
27	0.00	0.00	1.30	1.47	1.29	3.37	2.13	1.18	0.77	0.68	0.64	0.59	
28	0.00	0.00	1.26	1.35	1.89	2.73	1.97	1.19	0.77	0.67	0.64	0.59	
29	0.00	0.00	1.31	1.28	1.93	2.30	1.85	1.16	0.78	0.67		0.58	
30	0.00	0.00	1.26	1.31	1.70	2.04	1.71	1.16	0.76	0.67		0.57	
31		0.00		1.35	1.57		1.64		0.75	0.66		0.55	
MEAN	0.03	0.00	0.62	1.54	1.30	1.89	2.11	1.50	0.88	0.70	0.65	0.61	
MAX	0.10	0.00	1.70	2.67	1.93	4.17	4.70	3.22	1.12	0.75	0.66	0.64	4.70
MIN	0.00	0.00	-0.02	1.13	1.04	1.17	1.24	1.16	0.75	0.66	0.64	0.55	-0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.30 M (A.D), AT 5.00 HOURS, ON OCT 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.35 M (A.D)
LEFT BANK ELEVATION 5.96 M (A.D)
RIGHT BANK ELEVATION 5.55 M (A.D), DRAINAGE AREA 512 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	4.66	2.94	3.98	10.86	6.91	1.52	0.20	0.06	0.04	
2	0.00	0.00	0.00	8.84	2.56	3.59	14.10	5.08	1.27	0.18	0.06	0.03	
3	0.00	0.00	0.00	26.14	2.21	2.86	9.38	4.17	1.17	0.16	0.06	0.03	
4	0.00	0.00	0.00	22.92	1.94	2.63	6.63	3.50	1.08	0.16	0.06	0.03	
5	0.00	0.00	0.00	14.31	2.07	2.28	5.08	3.10	1.04	0.14	0.05	0.03	
6	0.00	0.00	0.00	11.43	2.28	2.00	4.07	2.63	0.99	0.14	0.05	0.03	
7	0.00	0.00	0.00	7.68	2.28	1.82	3.34	2.35	0.91	0.12	0.05	0.03	
8	0.00	0.00	0.00	7.37	2.70	1.82	2.86	2.14	0.83	0.12	0.05	0.03	
9	0.00	0.00	0.00	7.22	2.42	2.00	2.86	1.88	0.75	0.12	0.05	0.03	
10	0.00	0.00	0.00	5.40	2.07	1.88	2.49	2.21	0.71	0.12	0.05	0.03	
11	0.00	0.00	0.00	4.26	2.07	1.94	2.28	2.78	0.63	0.10	0.05	0.03	
12	0.00	0.00	0.00	4.36	3.78	2.00	2.86	3.69	0.59	0.12	0.05	0.03	
13	0.00	0.00	0.00	4.97	4.36	2.00	32.28	8.48	0.53	0.10	0.05	0.03	
14	0.00	0.00	0.00	5.63	3.59	1.94	110.50	41.68	0.50	0.09	0.05	0.03	
15	0.00	0.00	0.00	4.66	3.10	6.50	41.34	18.51	0.45	0.09	0.05	0.02	
16	0.00	0.00	0.67	3.69	2.70	7.68	24.39	11.24	0.45	0.09	0.05	0.02	
17	0.00	0.00	0.95	3.18	2.35	31.72	20.40	7.84	0.43	0.09	0.05	0.02	
18	0.00	0.00	1.13	2.63	1.94	27.04	21.45	5.75	0.40	0.09	0.05	0.01	
19	0.00	0.00	0.95	2.49	1.70	26.80	17.04	4.66	0.37	0.09	0.05	0.00	
20	0.00	0.00	0.83	2.00	1.46	17.67	13.05	5.29	0.35	0.09	0.04	0.00	
21	0.00	0.00	0.75	1.82	1.40	13.89	10.29	5.63	0.33	0.08	0.04	0.00	
22	0.00	0.00	0.91	1.70	1.36	10.10	9.56	4.07	0.30	0.08	0.04	0.00	
23	0.00	0.00	1.22	1.64	1.22	8.48	22.29	3.26	0.28	0.08	0.04	0.00	
24	0.00	0.00	6.75	1.58	1.13	24.18	52.84	2.70	0.26	0.08	0.04	0.00	
25	0.00	0.00	4.45	3.18	1.17	19.98	30.88	2.35	0.26	0.08	0.04	0.00	
26	0.00	0.00	3.18	4.66	1.31	81.30	20.40	2.07	0.26	0.08	0.04	0.00	
27	0.00	0.00	2.70	4.17	2.63	46.92	14.73	1.88	0.24	0.08	0.04	0.00	
28	0.00	0.00	2.42	3.10	9.92	27.52	11.43	1.94	0.24	0.07	0.04	0.00	
29	0.00	0.00	2.78	2.56	10.67	18.30	9.20	1.76	0.26	0.07		0.00	
30	0.00	0.00	2.42	2.78	6.75	12.84	6.91	1.76	0.22	0.07		0.00	
31		0.00		3.10	5.19		6.00		0.20	0.06		0.00	
TOTAL	0.00	0.00	32.11	184.13	93.27	413.66	541.79	171.31	17.82	3.24	1.35	0.50	1459.18 CMSDAY
MEAN	0.00	0.00	1.07	5.94	3.01	13.79	17.48	5.71	0.57	0.10	0.05	0.02	4.00 CMS
MAX	0.00	0.00	6.75	26.14	10.67	81.30	110.50	41.68	1.52	0.20	0.06	0.04	110.50 CMS
MIN	0.00	0.00	0.00	1.58	1.13	1.82	2.28	1.76	0.20	0.06	0.04	0.00	0.00 CMS
RUNOFF	0.000	0.000	2.774	15.909	8.059	35.740	46.811	14.801	1.540	0.280	0.117	0.043	126.073 MCM

MOMENTARY PEAK 148.70 CMS, AT 5.30 M (A.D), AT 5.00 HOURS, ON OCT 14, 1985

RUNOFF YIELD 7.81 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 290.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

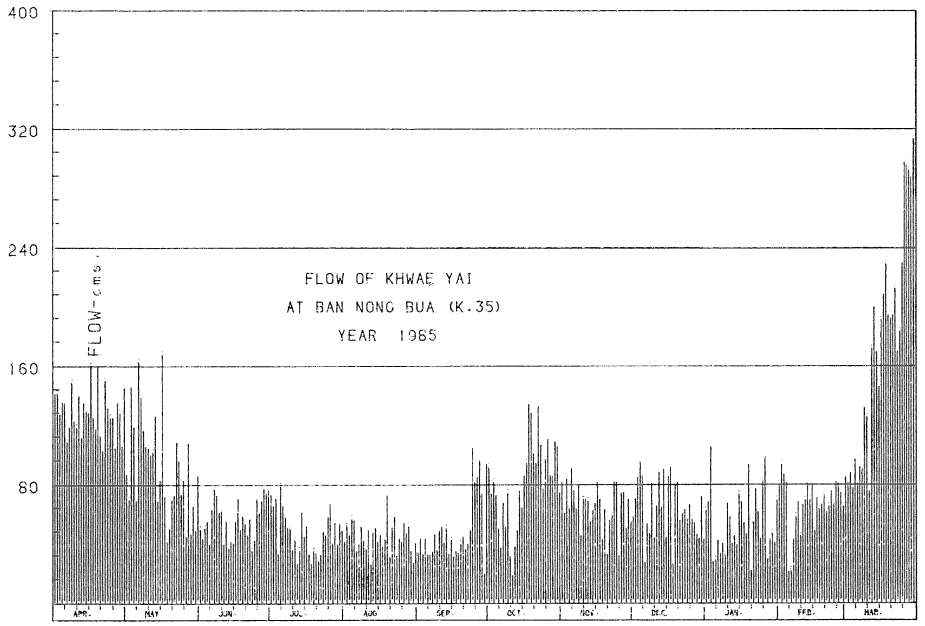
KHWAE YAI AT BAN NONG BUA, KANCHANABURI (K.35)

LOCATION	LAT. 14-03-22 N., LONG. 99-27-35 E., ON LEFT BANK AT BAN NONG BUA, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	14,528 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 5 METERS FROM THE THIRD STAFF GAGE.
ELEVATION	+7.667 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	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
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 15 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.07	2.55	2.15	2.43	2.01	1.94	2.62	2.50	2.23	2.31	2.48	2.53	
2	3.09	2.39	2.04	2.32	2.18	2.04	2.41	2.29	2.40	2.35	2.64	2.49	
3	2.95	3.11	2.16	2.40	2.07	1.92	2.52	2.52	2.53	2.76	2.55	2.56	
4	3.04	2.89	2.19	1.89	2.24	2.04	2.40	2.32	2.65	1.80	2.52	2.48	
5	3.02	2.36	2.01	2.49	2.20	1.92	2.16	2.59	2.54	1.86	1.69	2.65	
6	2.79	3.26	2.29	2.32	1.95	1.88	1.95	2.46	1.83	2.02	1.74	2.51	
7	2.87	3.05	2.46	2.25	1.99	1.95	2.37	2.30	2.17	1.93	2.03	2.60	
8	3.15	2.87	2.40	2.14	2.17	2.08	2.14	2.50	2.12	1.99	2.26	2.61	
9	2.91	2.74	2.29	2.16	2.02	1.96	2.44	2.07	2.49	1.91	2.35	2.99	
10	2.89	2.75	2.28	1.93	1.97	2.11	1.86	2.39	2.08	2.34	2.09	2.95	
11	3.06	2.68	2.01	2.05	2.12	2.18	1.69	2.37	2.32	2.26	2.33	2.43	
12	2.82	2.72	2.19	1.78	1.81	2.00	1.96	2.38	2.59	1.99	2.39	3.33	
13	3.02	2.94	1.98	1.96	2.10	2.16	2.15	2.19	2.31	2.09	2.49	3.53	
14	2.99	2.38	2.01	2.27	2.17	1.89	2.43	2.31	2.61	1.98	2.39	3.31	
15	2.96	2.51	2.03	2.09	2.01	2.05	2.33	2.34	2.05	2.43	2.47	3.11	
16	3.24	3.30	2.19	2.15	2.11	1.86	2.54	2.52	2.56	2.35	2.14	3.48	
17	2.93	2.39	2.40	1.92	1.96	1.96	2.65	2.37	2.60	2.20	2.38	3.59	
18	2.88	2.04	2.12	1.78	2.07	1.90	3.02	2.06	1.81	2.08	2.32	3.75	
19	3.22	2.13	2.26	1.95	2.40	2.02	2.98	2.29	2.48	2.64	2.33	3.49	
20	2.83	2.39	2.17	1.90	1.89	2.06	2.69	1.92	2.52	1.70	2.42	3.49	
21	2.71	2.40	2.10	1.85	2.14	1.97	2.65	2.20	2.20	2.22	2.27	3.49	
22	3.16	2.79	2.21	1.88	2.25	1.99	3.00	2.26	2.28	2.45	2.34	3.63	
23	2.99	2.64	1.95	2.14	1.87	2.15	2.77	2.50	2.29	2.30	2.43	3.30	
24	2.95	2.43	2.02	2.07	2.07	2.73	2.45	2.52	2.24	2.04	2.35	3.42	
25	2.93	2.51	2.39	2.26	2.01	2.52	2.67	1.87	2.33	2.52	2.50	3.74	
26	2.75	2.08	2.26	2.34	2.20	2.53	2.79	2.44	2.24	2.67	2.49	4.20	
27	3.02	2.76	2.38	2.02	2.09	2.66	2.56	2.42	2.18	1.87	2.42	4.18	
28	2.98	2.11	2.45	2.18	2.18	2.41	2.54	2.16	2.11	2.03	2.34	4.17	
29	2.74	2.32	2.43	2.01	1.92	1.70	2.79	2.37	2.04	2.12		4.13	
30	3.12	2.14	2.44	2.17	1.83	2.62	2.74	2.21	2.41	2.00		4.30	
31		2.54		2.14	2.00		2.44		2.03	2.39		4.24	
MEAN	2.97	2.59	2.21	2.10	2.06	2.11	2.47	2.32	2.30	2.18	2.33	3.31	
MAX	3.24	3.30	2.46	2.49	2.40	2.73	3.02	2.59	2.65	2.76	2.64	4.30	4.30
MIN	2.71	2.04	1.95	1.78	1.81	1.70	1.69	1.87	1.81	1.70	1.69	2.43	1.69

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.32 M (A.D), AT 18.00 HOURS, ON MAR 30, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 8.86 M (A.D)
RIGHT BANK ELEVATION 10.20 M (A.D), DRAINAGE AREA 14528 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	141.40	87.00	52.00	75.70	41.70	36.80	94.00	82.00	58.40	64.90	80.20	85.00	
2	143.80	72.10	43.80	65.80	54.40	43.80	73.90	63.20	73.00	68.50	96.00	81.10	
3	127.50	146.20	52.80	73.00	45.90	35.40	84.00	84.00	85.00	108.00	87.00	88.00	
4	137.80	121.00	55.20	33.40	59.20	43.80	73.00	65.80	97.00	28.00	84.00	80.20	
5	135.40	69.40	41.70	81.10	56.00	35.40	52.80	91.00	86.00	31.60	21.40	97.00	
6	111.00	164.80	63.20	65.80	37.50	32.80	37.50	78.40	29.80	42.40	24.40	83.00	
7	119.00	139.00	78.40	60.00	40.30	37.50	70.30	64.00	53.60	36.10	43.10	92.00	
8	151.00	119.00	73.00	51.20	53.60	46.60	51.20	82.00	49.60	40.30	60.80	93.00	
9	123.10	106.00	63.20	52.80	42.40	38.20	76.60	45.90	81.10	34.70	68.50	131.90	
10	121.00	107.00	62.40	36.10	38.90	48.80	31.60	72.10	46.60	67.60	47.30	127.50	
11	140.20	100.00	41.70	44.50	49.60	54.40	21.40	70.30	65.80	60.80	66.70	75.70	
12	114.00	104.00	55.20	26.80	28.60	41.00	38.20	71.20	91.00	40.30	72.10	173.90	
13	135.40	126.40	39.60	38.20	48.00	52.80	52.00	55.20	64.90	47.30	81.10	200.20	
14	131.90	71.20	41.70	61.60	53.60	33.40	75.70	64.90	93.00	39.60	72.10	171.30	
15	128.60	83.00	43.10	47.30	41.70	44.50	66.70	67.60	44.50	75.70	79.30	146.20	
16	162.20	170.00	55.20	52.00	48.80	31.60	86.00	84.00	88.00	68.50	51.20	193.40	
17	125.30	72.10	73.00	35.40	38.20	38.20	97.00	70.30	92.00	56.00	71.20	208.60	
18	120.00	43.80	49.60	26.80	45.90	34.00	135.40	45.20	28.60	46.60	65.80	231.00	
19	159.60	50.40	60.80	37.50	73.00	42.40	130.80	63.20	80.20	96.00	66.70	194.70	
20	115.00	72.10	53.60	34.00	33.40	45.20	101.00	35.40	84.00	22.00	74.80	194.70	
21	103.00	73.00	48.00	31.00	51.20	38.90	97.00	56.00	56.00	57.60	61.60	194.70	
22	152.20	111.00	56.80	32.80	60.00	40.30	133.00	60.80	62.40	77.50	67.60	214.20	
23	131.90	96.00	37.50	51.20	32.20	52.00	109.00	82.00	63.20	64.00	75.70	170.00	
24	127.50	75.70	42.40	45.90	45.90	105.00	77.50	84.00	59.20	43.80	68.50	185.60	
25	125.30	83.00	72.10	60.80	41.70	84.00	99.00	32.20	66.70	84.00	82.00	229.60	
26	107.00	46.60	60.80	67.60	56.00	85.00	111.00	76.60	59.20	99.00	81.10	299.00	
27	135.40	108.00	71.20	42.40	47.30	98.00	88.00	74.80	54.40	32.20	74.80	295.80	
28	130.80	48.80	77.50	54.40	54.40	73.90	86.00	52.80	48.80	43.10	67.60	294.20	
29	106.00	65.80	75.70	41.70	35.40	22.00	111.00	70.30	43.80	49.60		287.80	
30	147.40	51.20	76.60	53.60	29.80	94.00	106.00	56.80	73.90	41.00		315.00	
31		86.00		51.20	41.00		76.60		43.10	72.10		305.40	
TOTAL	3909.70	2869.60	1717.80	1531.60	1425.60	1509.70	2543.20	2002.00	2022.80	1738.80	1892.60	5539.70	28703.10 CMSDAY
MEAN	130.32	92.57	57.26	49.41	45.99	50.32	82.04	66.73	65.25	56.09	67.59	178.70	78.64 CMS
MAX	162.20	170.00	78.40	81.10	73.00	105.00	135.40	91.00	97.00	108.00	96.00	315.00	315.00 CMS
MIN	103.00	43.80	37.50	26.80	28.60	22.00	21.40	32.20	28.60	22.00	21.40	75.70	21.40 CMS
RUNOFF	337.798	247.933	148.418	132.330	123.172	130.438	219.732	172.973	174.770	150.232	163.521	478.630	2479.948 MCM

MOMENTARY PEAK 318.20 CMS, AT 4.32 M (A.D), AT 18.00 HOURS, ON MAR 30, 1985

RUNOFF YIELD 5.41 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 21.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

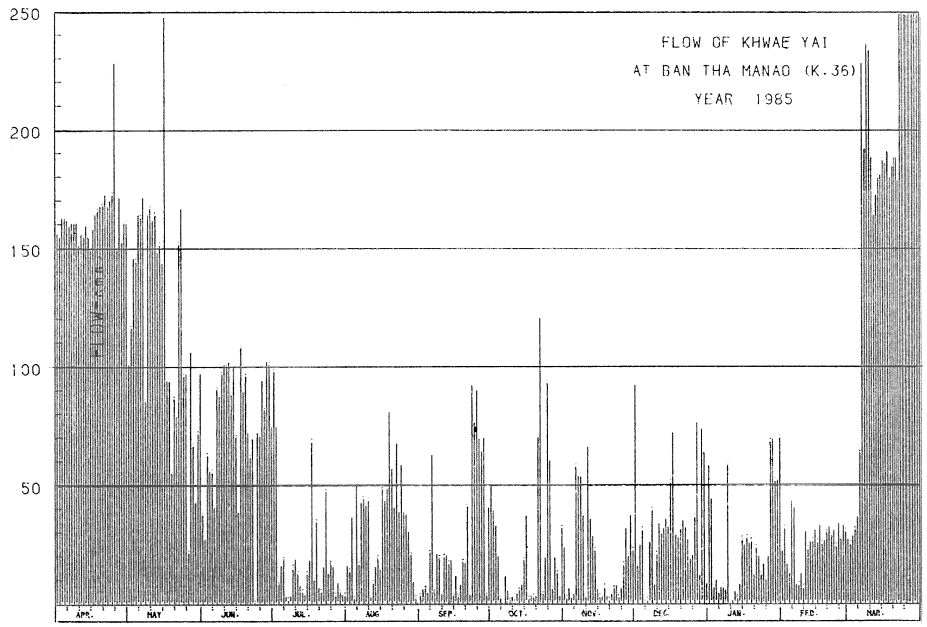
KHWAE YAI AT BAN THA MANAO, KANCHANABURI (K.36)

LOCATION	LAT. 14-09-48 N., LONG. 99-16-38 E., ON LEFT BANK AT BAN THA MANAO, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	11,787 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+6.888 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	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
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 24 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.54	3.03	2.28	3.01	1.91	1.65	2.46	2.05	2.94	2.57	2.02	2.11	
2	3.54	3.19	2.11	2.75	1.89	1.70	2.29	1.62	1.93	2.36	2.20	2.10	
3	3.60	3.45	2.62	1.78	2.25	1.74	2.22	1.71	2.07	1.75	1.92	2.13	
4	3.61	3.45	2.52	1.91	1.61	1.65	1.98	1.64	2.19	1.80	1.88	2.19	
5	3.59	3.61	2.53	1.98	2.45	2.03	1.61	1.63	1.52	1.70	2.35	2.25	
6	3.58	3.61	2.31	1.60	1.94	2.61	1.46	2.56	1.59	1.72	2.33	2.63	
7	3.58	3.67	2.93	1.60	2.34	1.70	1.85	2.49	2.09	1.76	1.75	4.12	
8	3.59	2.88	2.89	1.61	2.38	2.00	1.68	2.51	2.31	1.69	1.78	3.85	
9	3.58	3.61	3.00	1.92	2.32	1.99	1.56	2.26	1.75	2.57	1.85	4.18	
10	3.51	3.64	3.03	1.96	2.37	1.63	1.58	1.64	2.02	1.46	1.75	4.17	
11	3.54	3.59	3.03	1.87	1.58	2.00	1.53	2.65	2.21	1.57	2.16	3.81	
12	3.54	3.62	3.04	1.74	1.80	1.99	1.64	2.26	2.17	1.67	2.06	3.62	
13	3.57	3.47	2.91	1.71	1.90	1.95	1.72	2.13	2.18	1.63	2.09	3.68	
14	3.54	3.51	3.02	1.62	1.99	1.95	1.75	2.05	2.26	1.75	2.12	3.75	
15	3.48	3.43	2.71	1.87	1.88	1.65	1.97	1.70	2.19	2.13	2.17	3.75	
16	3.57	4.27	2.28	1.95	2.43	1.83	2.26	1.64	2.47	2.07	2.11	3.81	
17	3.61	2.96	3.11	2.69	2.35	1.63	1.61	1.59	2.72	2.14	2.20	3.79	
18	3.63	2.97	2.91	1.80	2.44	1.75	1.61	1.76	2.16	2.08	2.10	3.84	
19	3.64	2.51	2.99	2.24	2.82	1.96	1.64	1.60	2.12	2.12	2.10	3.74	
20	3.65	2.89	2.72	1.72	2.55	1.93	1.60	1.59	2.20	1.84	2.17	3.79	
21	3.68	2.80	2.61	1.71	2.31	2.33	2.71	1.63	2.23	2.07	2.19	3.81	
22	3.65	3.51	2.69	1.90	2.68	1.62	3.22	1.74	2.21	1.98	2.15	3.82	
23	3.66	3.63	1.52	2.42	2.28	2.95	1.67	1.74	2.11	1.86	2.17	3.73	
24	3.69	2.99	2.72	1.85	2.57	2.77	1.97	1.63	1.99	1.92	2.08	4.31	
25	4.12	2.99	2.72	1.95	2.28	2.93	2.96	1.71	1.99	1.83	2.21	4.58	
26	3.49	2.03	2.96	1.90	2.29	2.69	2.58	1.94	2.27	1.98	2.13	4.71	
27	3.67	3.08	2.84	1.66	2.16	2.64	1.73	2.18	2.77	2.69	2.20	4.69	
28	3.52	2.67	3.04	1.77	2.01	2.70	1.97	2.00	1.86	2.69	2.18	4.35	
29	3.58	2.34	3.04	1.70	1.78	1.65	1.87	2.26	2.74	2.48		4.61	
30	3.59	2.73	2.75	1.62	1.62	2.31	1.60	2.05	2.64	2.47		4.84	
31		2.99		1.66	1.50		2.20		1.76	2.71		4.76	
MEAN	3.60	3.20	2.73	1.92	2.15	2.06	1.95	1.93	2.18	2.03	2.09	3.73	
MAX	4.12	4.27	3.11	3.01	2.82	2.95	3.22	2.65	2.94	2.71	2.35	4.84	4.84
MIN	3.48	2.03	1.52	1.60	1.50	1.62	1.46	1.59	1.52	1.46	1.75	2.10	1.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.88 M (A.D), AT 18.00 HOURS, ON MAY 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.61 M (A.D)
LEFT BANK ELEVATION 10.67 M (A.D)
RIGHT BANK ELEVATION 9.39 M (A.D), DRAINAGE AREA 11787 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	156.10	101.00	38.60	99.00	16.05	4.50	51.50	23.75	92.30	59.75	22.10	27.15	
2	156.10	117.45	27.15	74.75	14.95	6.00	39.30	3.60	17.15	44.20	33.00	26.50	
3	163.00	145.75	63.70	9.20	36.50	7.60	34.40	6.40	24.85	8.00	16.60	28.45	
4	164.20	145.75	56.00	16.05	3.30	4.50	19.90	4.20	32.35	10.00	14.40	32.35	
5	161.85	164.20	56.75	19.90	50.75	22.65	3.30	3.90	1.56	6.00	43.50	36.50	
6	160.70	164.20	40.70	3.00	17.70	62.85	0.72	59.00	2.82	6.80	42.10	64.55	
7	160.70	171.40	91.35	3.00	42.80	6.00	12.75	53.75	25.95	8.40	8.00	228.20	
8	161.85	86.60	87.55	3.30	45.60	21.00	5.40	55.25	40.70	5.70	9.20	193.25	
9	160.70	164.20	98.00	16.60	41.40	20.45	2.28	37.20	8.00	59.75	12.75	236.30	
10	152.65	167.80	101.00	18.80	44.90	3.90	2.64	4.20	22.10	0.72	8.00	234.95	
11	156.10	161.85	101.00	13.85	2.64	21.00	1.74	66.25	33.70	2.46	30.40	188.25	
12	156.10	165.40	102.00	7.60	10.00	20.45	4.20	37.20	31.05	5.10	24.30	165.40	
13	159.55	148.05	89.45	6.40	15.50	18.25	6.80	28.45	31.70	3.90	25.95	172.60	
14	156.10	152.65	100.00	3.60	20.45	18.25	8.00	23.75	37.20	8.00	27.80	181.00	
15	149.20	143.45	71.35	13.85	14.40	4.50	19.35	6.00	32.35	28.45	31.05	181.00	
16	159.55	248.45	38.60	18.25	49.25	11.65	37.20	4.20	52.25	24.85	27.15	188.25	
17	164.20	94.20	109.05	69.65	43.50	3.90	3.30	2.82	72.20	29.10	33.00	185.80	
18	166.60	95.15	89.45	10.00	50.00	8.00	3.30	8.40	30.40	25.40	26.50	192.00	
19	167.80	55.25	97.05	35.80	80.90	18.80	4.20	3.00	27.80	27.80	26.50	179.80	
20	169.00	87.55	72.20	6.80	58.25	17.15	3.00	2.82	33.00	12.20	31.05	185.80	
21	172.60	79.00	62.85	6.40	40.70	42.10	71.35	3.90	35.10	24.85	32.35	188.25	
22	169.00	152.65	69.65	15.50	68.80	3.60	120.60	7.60	33.70	19.90	29.75	189.50	
23	170.20	166.60	1.56	48.50	38.60	93.25	5.10	7.60	27.15	13.30	31.05	178.60	
24	173.80	97.05	72.20	12.75	59.75	76.45	19.35	3.90	20.45	16.60	25.40	253.85	
25	228.20	97.05	72.20	18.25	38.60	91.35	94.20	6.40	20.45	11.65	33.70	290.30	
26	150.35	22.65	94.20	15.50	39.30	69.65	60.50	17.70	37.90	19.90	28.45	308.40	
27	171.40	106.00	82.80	4.80	30.40	65.40	7.20	31.70	76.45	69.65	33.00	305.60	
28	153.80	67.95	102.00	8.80	21.55	70.50	19.35	21.00	13.30	69.65	31.70	259.25	
29	160.70	42.80	102.00	6.00	9.20	4.50	13.85	37.20	73.90	53.00		294.40	
30	161.85	73.05	74.75	3.60	3.60	40.70	3.00	23.75	65.40	52.25		326.60	
31		97.05		4.80	1.20		33.00		8.40	71.35		315.40	
TOTAL	4913.95	3782.20	2265.16	594.30	1010.54	858.90	710.78	594.89	1061.63	798.68	738.75	5838.25	23168.03 CMSDAY
MEAN	163.80	122.01	75.51	19.17	32.60	28.63	22.93	19.83	34.25	25.76	26.38	188.33	63.47 CMS
MAX	228.20	248.45	109.05	99.00	80.90	93.25	120.60	66.25	92.30	71.35	43.50	326.60	326.60 CMS
MIN	149.20	22.65	1.56	3.00	1.20	3.60	0.72	2.82	1.56	0.72	8.00	26.50	0.72 CMS
RUNOFF	424.565	326.782	195.710	51.348	87.311	74.209	61.411	51.399	91.725	69.006	63.828	504.425	2001.718 MCM

MOMENTARY PEAK 332.20 CMS, AT 4.88 M (A.D), AT 18.00 HOURS, ON MAY 18, 1985

RUNOFF YIELD 5.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 28.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

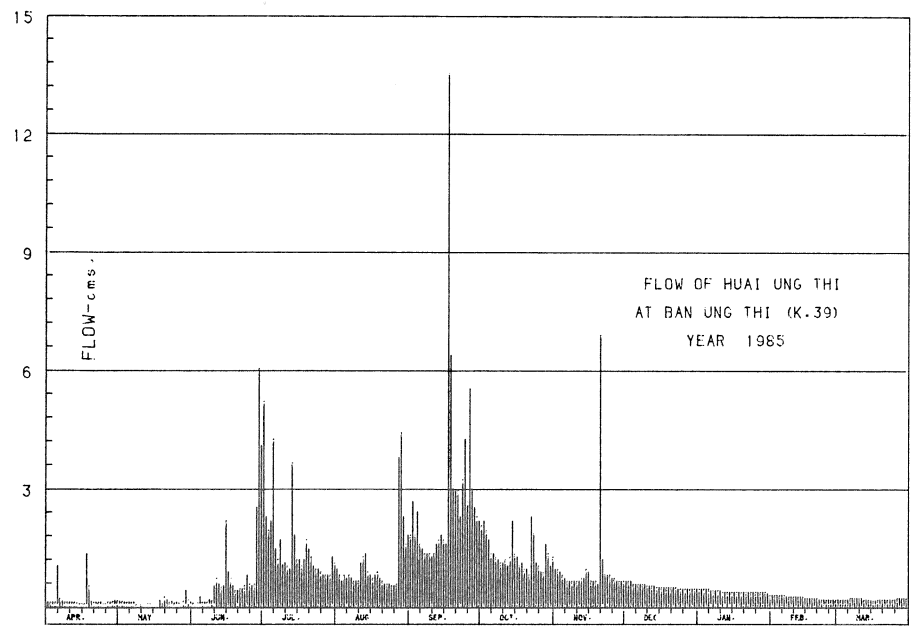
KHWAE NOI AT BAN WANG YEN, KANCHANABURI (K37)

LOCATION	LAT. 13-55-57 N., LONG. 99-25-37 E., ON LEFT BANK AT BAN WANG YEN, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	10,603 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.150 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	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
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 31 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.70	2.77	2.77	4.32	5.41	7.04	6.09	4.40	4.27	4.26	3.59	3.72	
2	2.67	2.81	2.83	4.92	5.12	7.19	5.87	4.21	4.22	4.31	3.55	3.56	
3	2.71	2.83	2.72	5.34	4.88	7.08	5.63	4.18	4.02	4.30	3.56	3.45	
4	2.72	2.72	2.66	5.45	4.96	6.93	5.35	4.06	3.88	4.55	3.30	3.23	
5	2.66	2.67	2.62	6.35	5.09	6.78	5.03	4.14	3.80	4.59	3.43	3.09	
6	2.64	2.69	2.59	6.55	5.26	6.55	4.76	3.83	3.63	4.58	3.88	3.10	
7	2.65	2.66	2.60	6.35	5.54	6.69	4.63	3.86	3.41	4.19	3.44	3.12	
8	2.65	2.71	2.59	6.06	5.45	6.74	4.32	4.13	3.66	4.27	3.39	3.09	
9	2.72	2.70	2.65	5.72	5.36	6.73	4.06	4.14	4.09	4.09	3.27	3.20	
10	2.61	2.74	2.69	5.46	5.12	6.58	3.97	4.14	4.05	3.93	3.07	3.31	
11	2.56	2.77	2.70	5.66	4.57	6.52	3.94	4.04	4.32	3.84	3.56	3.21	
12	2.54	2.70	2.96	5.71	4.37	6.52	3.83	4.25	4.29	4.04	3.37	3.17	
13	2.59	2.82	3.12	6.04	4.31	6.23	4.19	4.17	4.31	3.87	3.01	3.39	
14	2.58	2.73	3.19	5.72	4.50	6.31	7.00	4.99	4.29	3.89	3.37	3.84	
15	2.63	2.72	3.16	5.58	4.75	6.47	8.40	5.29	4.34	3.64	3.71	4.13	
16	2.58	2.73	3.41	5.22	4.84	6.63	6.96	5.16	4.22	3.38	3.92	4.23	
17	2.60	2.79	3.70	5.35	5.07	6.60	5.81	4.59	4.06	3.33	3.60	4.17	
18	2.69	2.80	3.45	5.56	5.23	6.95	5.73	4.06	4.36	3.34	3.59	3.66	
19	2.66	2.82	3.20	5.87	5.18	7.14	5.43	3.86	4.28	3.52	3.98	3.68	
20	2.71	2.73	3.08	6.33	5.10	7.06	5.09	3.69	4.35	3.34	4.03	3.99	
21	2.62	2.69	2.99	6.23	5.11	7.03	4.74	3.79	4.50	3.23	4.13	4.36	
22	2.69	2.70	3.03	6.06	4.85	7.13	4.69	3.86	4.56	3.66	3.97	4.33	
23	2.71	2.68	3.22	5.78	4.73	7.15	5.40	3.69	4.47	4.09	3.80	4.45	
24	2.70	2.72	3.39	6.18	4.71	7.10	7.12	3.65	4.29	4.12	3.84	4.42	
25	2.70	2.67	3.67	6.24	4.65	7.36	7.09	3.64	4.32	3.60	3.81	4.18	
26	2.65	2.78	3.70	5.97	4.46	7.56	5.94	3.46	4.38	3.34	3.88	4.27	
27	2.66	2.68	3.55	5.57	4.39	7.93	5.48	3.63	4.33	3.11	3.92	4.35	
28	2.67	2.65	3.59	5.61	4.80	7.74	5.19	3.90	4.43	3.00	3.62	4.25	
29	2.66	2.58	3.69	5.52	6.13	7.43	4.79	3.83	4.51	3.30		4.25	
30	2.66	2.69	4.14	5.25	7.26	6.79	4.48	4.18	4.44	3.60		4.40	
31		2.76		5.34	7.24		4.38		4.24	3.60		4.40	
MEAN	2.65	2.73	3.12	5.72	5.11	6.93	5.34	4.09	4.20	3.80	3.63	3.81	
MAX	2.72	2.83	4.14	6.55	7.26	7.93	8.40	5.29	4.56	4.59	4.13	4.45	8.40
MIN	2.54	2.58	2.59	4.32	4.31	6.23	3.83	3.46	3.41	3.00	3.01	3.09	2.54

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.80 M (A.D), AT 6.00 HOURS, ON OCT 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.42 M (A.D)
LEFT BANK ELEVATION 9.15 M (A.D)
RIGHT BANK ELEVATION 8.97 M (A.D), DRAINAGE AREA 10603 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.16	0.12	5.23	0.98	1.84	2.08	0.98	0.68	0.48	0.32	0.20	
2	0.14	0.16	0.10	2.31	0.83	2.69	2.20	0.98	0.68	0.48	0.32	0.20	
3	0.14	0.14	0.12	1.96	0.68	1.84	1.96	0.91	0.68	0.48	0.32	0.20	
4	0.14	0.14	0.28	2.20	0.83	2.43	1.72	0.83	0.60	0.48	0.32	0.20	
5	1.06	0.14	0.14	4.27	0.75	1.61	1.37	0.75	0.60	0.48	0.32	0.20	
6	0.24	0.14	0.14	1.49	0.83	1.49	1.37	0.68	0.60	0.44	0.32	0.24	
7	0.16	0.14	0.14	1.22	0.75	1.37	1.29	0.68	0.60	0.44	0.28	0.24	
8	0.14	0.08	0.20	1.72	0.68	1.37	1.22	0.68	0.60	0.44	0.28	0.24	
9	0.14	0.04	0.18	1.22	0.68	1.37	1.14	0.68	0.60	0.44	0.28	0.24	
10	0.14	0.10	0.56	1.14	0.68	1.29	1.14	0.68	0.56	0.44	0.28	0.24	
11	0.14	0.10	0.75	1.06	1.14	1.37	1.22	0.68	0.56	0.40	0.28	0.24	
12	0.14	0.10	0.60	0.98	1.29	1.61	1.06	0.75	0.56	0.40	0.28	0.20	
13	0.12	0.10	0.52	3.67	1.37	1.72	1.29	0.75	0.56	0.40	0.28	0.20	
14	0.10	0.10	0.56	1.84	0.91	1.84	2.20	0.98	0.52	0.40	0.28	0.20	
15	0.10	0.06	2.20	1.22	0.83	1.72	1.37	0.91	0.52	0.40	0.24	0.18	
16	0.10	0.06	0.91	1.22	0.75	1.61	1.29	0.68	0.52	0.40	0.24	0.18	
17	1.37	0.06	0.75	1.06	0.83	13.56	1.14	0.68	0.52	0.40	0.24	0.18	
18	0.56	0.28	0.56	1.22	0.91	6.40	1.14	0.68	0.52	0.40	0.24	0.20	
19	0.16	0.10	0.44	1.72	0.75	3.11	0.98	0.60	0.52	0.40	0.24	0.20	
20	0.14	0.28	0.44	1.49	0.68	2.97	0.98	6.91	0.52	0.40	0.24	0.20	
21	0.14	0.20	0.48	1.29	0.60	2.97	0.83	1.22	0.52	0.40	0.20	0.20	
22	0.14	0.14	0.48	1.06	0.60	2.31	2.31	0.91	0.52	0.40	0.20	0.20	
23	0.14	0.16	0.56	0.98	0.60	3.25	1.96	0.83	0.48	0.40	0.20	0.20	
24	0.10	0.12	0.83	0.98	0.56	4.27	1.14	0.83	0.48	0.40	0.20	0.20	
25	0.10	0.14	0.60	0.91	0.56	2.69	1.06	0.75	0.48	0.40	0.20	0.20	
26	0.14	0.12	0.56	0.83	0.60	5.55	0.91	0.75	0.48	0.40	0.20	0.24	
27	0.14	0.10	0.60	0.83	3.81	3.11	0.91	0.68	0.48	0.40	0.20	0.24	
28	0.16	0.16	2.55	0.83	4.43	2.55	1.61	0.68	0.48	0.40	0.20	0.24	
29	0.18	0.44	6.06	0.83	2.31	2.31	1.37	0.68	0.48	0.40		0.24	
30	0.18	0.20	4.11	1.29	1.61	2.20	1.06	0.68	0.48	0.36		0.24	
31		0.14		1.14	1.84		1.29		0.48	0.32		0.24	
TOTAL	6.79	4.40	26.54	49.21	34.67	84.42	42.61	29.48	16.88	12.88	7.20	6.62	321.70 CMSDAY
MEAN	0.23	0.14	0.88	1.59	1.12	2.81	1.37	0.98	0.54	0.42	0.26	0.21	0.88 CMS
MAX	1.37	0.44	6.06	5.23	4.43	13.56	2.31	6.91	0.68	0.48	0.32	0.24	13.56 CMS
MIN	0.10	0.04	0.10	0.83	0.56	1.29	0.83	0.60	0.48	0.32	0.20	0.18	0.04 CMS
RUNOFF	0.587	0.380	2.293	4.252	2.995	7.294	3.682	2.547	1.458	1.113	0.622	0.572	27.795 MCM

MOMENTARY PEAK 34.50 CMS, AT 1.90 M (A.D), AT 12.00 HOURS, ON SEP 12, 1985

RUNOFF YIELD 16.32 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 638.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

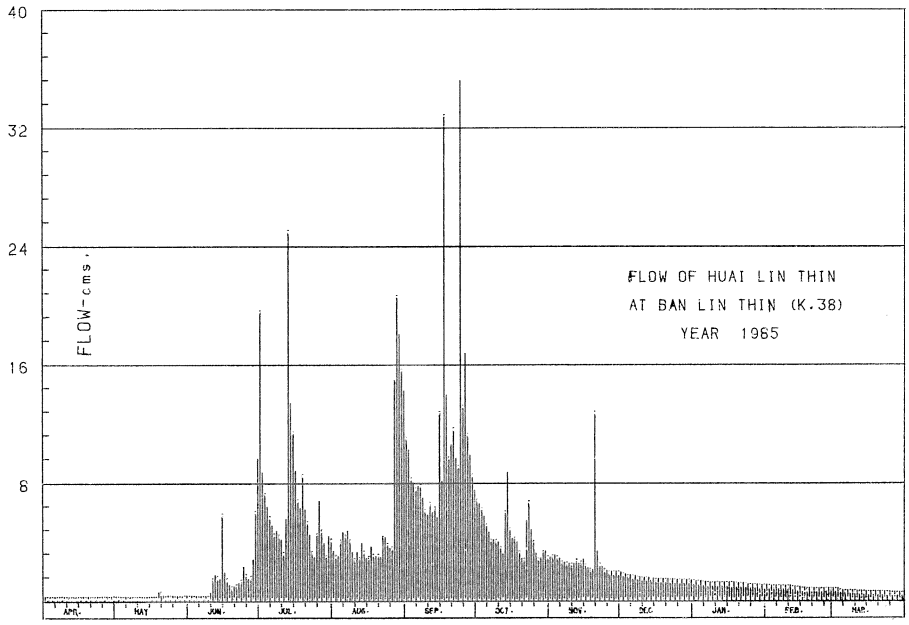
HUAI LIN THIN AT BAN LIN THIN, KANCHANABURI (K.38)

LOCATION	LAT. 14-33-40 N., LONG. 98-47-41 E., ON LEFT BANK AT K.M.95+700 ON KANCHANABURI-THONG PHA PHUME HIGHWAY, AMPHOE THONG PHA PHUM, KANCHANABURI.
DRAINAGE AREA	144 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 35 METERS FROM THE THRID STAFF GAGE.
ELEVATION	+8.986 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	1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
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 36 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.47	0.50	2.41	1.07	1.83	1.47	1.01	0.86	0.76	0.69	0.64	
2	0.46	0.47	0.49	1.63	1.03	1.76	1.44	1.03	0.85	0.75	0.69	0.64	
3	0.46	0.46	0.49	1.51	1.02	1.60	1.41	1.03	0.84	0.75	0.68	0.64	
4	0.46	0.46	0.48	1.42	1.17	1.57	1.35	1.02	0.83	0.75	0.68	0.62	
5	0.46	0.46	0.47	1.35	1.23	1.54	1.29	1.00	0.83	0.74	0.68	0.61	
6	0.46	0.45	0.48	1.28	1.21	1.55	1.23	0.97	0.82	0.74	0.68	0.61	
7	0.46	0.45	0.48	1.22	1.24	1.56	1.17	0.96	0.82	0.73	0.68	0.61	
8	0.47	0.45	0.48	1.24	1.17	1.48	1.17	0.96	0.81	0.73	0.68	0.61	
9	0.46	0.45	0.49	1.21	1.06	1.40	1.17	0.95	0.81	0.73	0.68	0.61	
10	0.46	0.45	0.56	1.17	1.00	1.36	1.15	0.95	0.80	0.73	0.68	0.61	
11	0.45	0.46	0.79	1.06	1.06	1.45	1.11	0.95	0.80	0.73	0.68	0.60	
12	0.45	0.45	0.83	1.33	1.01	1.38	1.04	0.99	0.80	0.73	0.67	0.60	
13	0.45	0.45	0.82	2.71	1.14	1.42	1.39	0.95	0.80	0.73	0.67	0.60	
14	0.45	0.45	0.78	2.00	1.07	1.34	1.63	0.97	0.79	0.73	0.66	0.60	
15	0.45	0.46	1.37	1.86	1.00	1.96	1.26	0.99	0.79	0.73	0.66	0.59	
16	0.46	0.46	0.86	1.64	1.02	1.58	1.18	0.94	0.78	0.73	0.65	0.59	
17	0.46	0.46	0.79	1.47	1.11	3.10	1.19	0.91	0.78	0.73	0.65	0.59	
18	0.46	0.46	0.69	1.41	1.04	2.04	1.15	0.90	0.78	0.73	0.64	0.59	
19	0.46	0.57	0.67	1.62	1.02	1.72	1.07	0.89	0.78	0.72	0.64	0.59	
20	0.46	0.59	0.67	1.40	1.04	1.79	1.00	1.96	0.78	0.72	0.64	0.59	
21	0.46	0.49	0.70	1.31	1.01	1.88	1.00	1.07	0.78	0.72	0.64	0.59	
22	0.46	0.48	0.72	1.21	1.20	1.71	1.32	0.95	0.77	0.72	0.64	0.59	
23	0.46	0.50	0.77	1.07	1.19	1.67	1.46	0.92	0.78	0.71	0.64	0.58	
24	0.46	0.49	0.92	1.01	1.14	3.21	1.25	0.90	0.77	0.70	0.64	0.58	
25	0.47	0.49	0.84	1.22	1.10	1.99	1.16	0.88	0.77	0.70	0.64	0.58	
26	0.47	0.48	0.78	1.46	1.11	2.23	1.05	0.87	0.77	0.70	0.64	0.57	
27	0.47	0.48	0.82	1.25	2.11	1.85	1.00	0.87	0.77	0.70	0.64	0.57	
28	0.46	0.48	0.99	1.14	2.47	1.73	1.00	0.87	0.77	0.70	0.64	0.57	
29	0.46	0.47	1.39	1.03	2.31	1.62	1.07	0.87	0.77	0.69		0.57	
30	0.48	0.50	1.71	1.20	2.16	1.53	1.07	0.87	0.77	0.69		0.57	
31		0.50		1.18	2.06		1.02		0.76	0.69		0.57	
MEAN	0.46	0.48	0.76	1.42	1.28	1.76	1.20	0.98	0.79	0.72	0.66	0.60	
MAX	0.48	0.59	1.71	2.71	2.47	3.21	1.63	1.96	0.86	0.76	0.69	0.64	3.21
MIN	0.45	0.45	0.47	1.01	1.00	1.34	1.00	0.87	0.76	0.69	0.64	0.57	0.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.70 M (A.D), AT 9.00 HOURS, ON SEP 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.21 M (A.D)
LEFT BANK ELEVATION 8.91 M (A.D)
RIGHT BANK ELEVATION 8.90 M (A.D), DRAINAGE AREA 144 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.34	0.40	19.67	3.39	11.09	6.90	2.97	1.96	1.42	1.10	0.88	
2	0.32	0.34	0.38	8.72	3.11	10.23	6.60	3.11	1.90	1.38	1.10	0.88	
3	0.32	0.32	0.38	7.32	3.04	8.37	6.30	3.11	1.84	1.38	1.06	0.88	
4	0.32	0.32	0.36	6.40	4.16	8.02	5.75	3.04	1.78	1.38	1.06	0.79	
5	0.32	0.32	0.34	5.75	4.67	7.67	5.21	2.90	1.78	1.33	1.06	0.74	
6	0.32	0.30	0.36	5.12	4.49	7.78	4.67	2.69	1.72	1.33	1.06	0.74	
7	0.32	0.30	0.36	4.58	4.76	7.90	4.16	2.62	1.72	1.29	1.06	0.74	
8	0.34	0.30	0.36	4.76	4.16	7.00	4.16	2.62	1.66	1.29	1.06	0.74	
9	0.32	0.30	0.38	4.49	3.32	6.20	4.16	2.55	1.66	1.29	1.06	0.74	
10	0.32	0.30	0.58	4.16	2.90	5.84	4.00	2.55	1.60	1.29	1.06	0.74	
11	0.30	0.32	1.56	3.32	3.32	6.70	3.68	2.55	1.60	1.29	1.06	0.70	
12	0.30	0.30	1.78	5.57	2.97	6.02	3.18	2.83	1.60	1.29	1.01	0.70	
13	0.30	0.30	1.72	25.09	3.92	6.40	6.11	2.55	1.60	1.29	1.01	0.70	
14	0.30	0.30	1.51	13.40	3.39	5.66	8.72	2.69	1.56	1.29	0.97	0.70	
15	0.30	0.32	5.93	11.48	2.90	12.84	4.94	2.83	1.56	1.29	0.97	0.67	
16	0.32	0.32	1.96	8.83	3.04	8.13	4.24	2.48	1.51	1.29	0.92	0.67	
17	0.32	0.32	1.56	6.90	3.68	32.90	4.32	2.27	1.51	1.29	0.92	0.67	
18	0.32	0.32	1.10	6.30	3.18	13.96	4.00	2.20	1.51	1.29	0.88	0.67	
19	0.32	0.61	1.01	8.60	3.04	9.77	3.39	2.14	1.51	1.24	0.88	0.67	
20	0.32	0.67	1.01	6.20	3.18	10.58	2.90	12.84	1.51	1.24	0.88	0.67	
21	0.32	0.38	1.15	5.39	2.97	11.74	2.90	3.39	1.51	1.24	0.88	0.67	
22	0.32	0.36	1.24	4.49	4.40	9.65	5.48	2.55	1.46	1.24	0.88	0.67	
23	0.32	0.40	1.46	3.39	4.32	9.18	6.80	2.34	1.51	1.19	0.88	0.64	
24	0.32	0.38	2.34	2.97	3.92	35.21	4.85	2.20	1.46	1.15	0.88	0.64	
25	0.34	0.38	1.84	4.58	3.60	13.26	4.08	2.08	1.46	1.15	0.88	0.64	
26	0.34	0.36	1.51	6.80	3.68	16.78	3.25	2.02	1.46	1.15	0.88	0.61	
27	0.34	0.36	1.72	4.85	14.95	11.35	2.90	2.02	1.46	1.15	0.88	0.61	
28	0.32	0.36	2.83	3.92	20.69	9.88	2.90	2.02	1.46	1.15	0.88	0.61	
29	0.32	0.34	6.11	3.11	18.06	8.60	3.39	2.02	1.46	1.10		0.61	
30	0.36	0.40	9.65	4.40	15.70	7.55	3.39	2.02	1.46	1.10		0.61	
31		0.40		4.24	14.24		3.04		1.42	1.10		0.61	
TOTAL	9.62	11.04	52.89	214.80	177.15	326.26	140.37	86.20	49.21	38.90	27.22	21.61	1155.27 CMSDAY
MEAN	0.32	0.36	1.76	6.93	5.71	10.88	4.53	2.87	1.59	1.25	0.97	0.70	3.17 CMS
MAX	0.36	0.67	9.65	25.09	20.69	35.21	8.72	12.84	1.96	1.42	1.10	0.88	35.21 CMS
MIN	0.30	0.30	0.34	2.97	2.90	5.66	2.90	2.02	1.42	1.10	0.88	0.61	0.30 CMS
RUNOFF	0.831	0.954	4.570	18.559	15.306	28.189	12.128	7.448	4.252	3.361	2.352	1.867	99.815 MCM

MOMENTARY PEAK 46.10 CMS, AT 3.70 M (A.D), AT 9.00 HOURS, ON SEP 24, 1985
RUNOFF YIELD 21.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 320.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PHETCHABURI RIVER BASIN

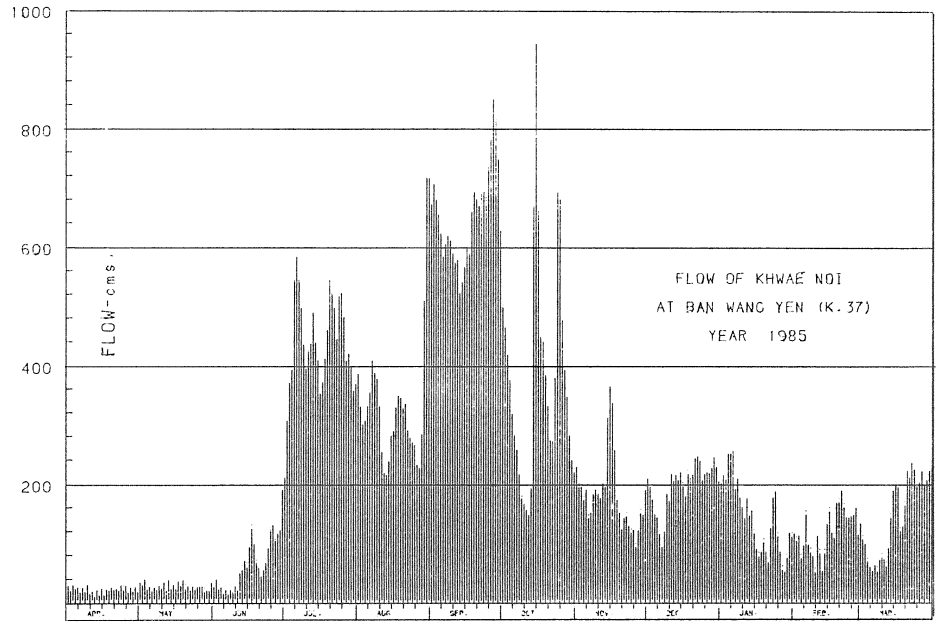
PHETCHABURI RIVER AT BAN SONG PHI NONG, PHETCHABURI (B.3)

LOCATION	LAT. 12-52-04 N., LONG. 99-40-40 E., ON LEFT BANK AT BAN SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+40.998 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+49.760 M. (M.S.L.)
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	1930 - 1942, 1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954 - 1959, 1968 TO DATE.
RATED BY FLOAT	-
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 23 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	42.35	42.47	42.54	42.76	42.93	43.22	43.58	43.40	42.70	42.14	42.43	42.45	
2	42.34	42.47	42.53	42.87	42.93	43.23	43.17	43.31	42.70	42.13	42.43	42.45	
3	42.42	42.48	42.52	42.87	42.93	43.24	43.05	43.23	42.70	42.14	42.46	42.45	
4	42.19	42.53	42.52	42.88	42.93	43.25	43.20	43.20	42.73	41.94	42.46	42.45	
5	42.48	42.56	42.52	42.84	42.99	43.25	43.19	43.07	42.73	41.93	42.46	42.45	
6	42.30	42.56	42.52	42.82	43.03	43.25	43.15	43.02	42.71	41.94	42.46	42.73	
7	42.30	42.56	42.52	42.80	43.03	43.25	43.15	42.98	42.76	42.00	42.46	42.73	
8	42.32	42.58	42.52	42.85	43.00	43.25	43.16	42.95	42.76	41.96	42.46	42.78	
9	42.32	42.59	42.53	42.99	43.03	43.25	43.17	42.91	42.77	42.05	42.46	42.78	
10	42.45	42.62	42.53	43.01	43.04	43.25	43.17	42.90	42.76	42.05	42.46	42.78	
11	42.45	42.59	42.73	42.98	43.03	43.25	43.17	42.90	42.76	42.05	42.46	42.78	
12	42.83	42.59	42.73	42.96	43.03	43.25	43.17	42.89	42.02	42.05	42.46	42.78	
13	42.45	42.60	42.73	42.96	43.03	43.25	43.17	42.90	42.02	42.05	42.46	42.79	
14	42.43	42.61	42.73	42.96	43.03	43.25	43.97	42.93	41.99	42.05	42.42	42.78	
15	42.40	42.28	42.72	42.95	43.03	43.24	44.58	42.94	41.96	42.05	42.45	42.78	
16	42.40	42.57	42.72	42.95	43.15	43.25	44.56	42.95	42.01	42.05	42.45	42.78	
17	42.40	42.57	42.72	42.95	43.14	43.23	44.34	42.94	41.99	42.05	42.45	42.78	
18	42.40	42.57	42.72	42.93	43.15	43.23	44.19	42.95	41.99	42.05	42.43	42.79	
19	42.42	42.56	42.72	42.96	43.17	43.23	44.13	42.95	41.99	42.05	42.27	42.80	
20	42.42	42.57	42.73	42.95	43.14	43.23	44.01	42.94	41.99	42.09	42.43	42.80	
21	42.43	42.55	42.52	42.93	43.13	43.23	43.92	42.94	41.99	42.38	42.43	42.80	
22	42.44	42.57	42.54	42.93	42.83	43.23	43.84	42.95	41.99	42.81	42.43	42.81	
23	42.45	42.54	42.54	42.93	43.15	43.22	43.74	42.97	41.98	42.77	42.44	42.83	
24	42.46	42.55	42.78	42.93	43.15	43.20	44.47	42.97	41.96	41.97	42.44	42.82	
25	42.46	42.48	42.74	42.94	43.15	43.44	44.46	43.07	41.95	42.11	42.44	42.80	
26	42.48	42.56	42.74	42.94	43.15	43.85	44.29	43.06	41.95	42.43	42.44	42.80	
27	42.50	42.57	42.74	42.94	43.13	43.85	44.01	42.99	41.95	42.42	42.45	42.80	
28	42.48	42.54	42.74	42.93	42.97	43.85	43.87	42.99	41.94	42.43	42.45	42.80	
29	42.48	42.54	42.74	42.93	43.23	43.83	43.68	42.85	41.94	42.43		42.79	
30	42.48	42.54	42.74	42.93	43.20	43.83	43.46	42.70	41.94	42.43		42.79	
31		42.54		42.93	43.18		43.53		41.94	42.43		42.79	
MEAN	42.42	42.54	42.64	42.92	43.06	43.34	43.69	42.99	42.24	42.17	42.44	42.73	
MAX	42.83	42.62	42.78	43.01	43.23	43.85	44.58	43.40	42.77	42.81	42.46	42.83	44.58
MIN	42.19	42.28	42.52	42.76	42.83	43.20	43.05	42.70	41.94	41.93	42.27	42.45	41.93

ANNUAL MAX MOMENTARY GAGE HEIGHT 44.64 M (MSL), AT 18.00 HOURS, ON OCT 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 40.99 M (MSL), RIVER BED 40.63 M (MSL)
LEFT BANK ELEVATION 44.61 M (MSL)
RIGHT BANK ELEVATION 46.03 M (MSL), DRAINAGE AREA 2244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.0	35.6	35.6	218.0	387.7	678.0	503.3	230.0	210.5	209.0	117.7	134.6	
2	27.9	38.8	40.4	308.0	338.0	708.0	465.9	201.5	203.0	216.5	112.5	113.8	
3	30.8	40.4	31.6	375.2	302.0	686.0	425.1	197.2	174.8	215.0	113.8	100.0	
4	31.6	31.6	27.2	394.5	314.0	656.0	377.0	180.4	155.4	252.5	83.0	76.0	
5	27.2	27.9	24.4	549.0	333.5	627.2	324.5	191.6	145.0	258.5	97.6	61.2	
6	25.8	29.3	22.3	585.0	360.8	585.0	284.0	148.9	122.9	257.0	155.4	62.0	
7	26.5	27.2	23.0	549.0	409.8	610.2	264.5	152.8	95.2	198.6	98.8	64.2	
8	26.5	30.8	22.3	498.2	394.5	619.6	218.0	190.2	126.8	210.5	92.9	61.2	
9	31.6	30.0	26.5	440.4	378.8	617.7	180.4	191.6	184.6	184.6	80.0	73.0	
10	23.7	33.2	29.3	396.2	338.0	590.4	167.8	191.6	179.0	162.2	59.6	84.1	
11	20.2	35.6	30.0	430.2	255.5	579.6	163.6	177.6	218.0	150.2	113.8	74.0	
12	18.8	30.0	50.8	438.7	225.5	579.6	148.9	207.5	213.5	177.6	90.7	69.7	
13	22.3	39.6	64.2	494.8	216.5	527.4	198.6	195.8	216.5	154.1	54.8	92.9	
14	21.6	32.4	71.9	440.4	245.0	541.8	670.0	318.5	213.5	156.7	90.7	150.2	
15	25.1	31.6	68.6	416.6	282.5	570.6	950.0	366.2	221.0	124.2	133.3	190.2	
16	21.6	32.4	95.2	353.6	296.0	599.4	662.0	344.0	203.0	91.8	160.8	204.5	
17	23.0	37.2	132.0	377.0	330.5	594.0	455.7	258.5	180.4	86.3	119.0	195.8	
18	29.3	38.0	100.0	413.2	355.4	660.0	442.1	180.4	224.0	87.4	117.7	126.8	
19	27.2	39.6	73.0	465.9	347.0	698.0	391.1	152.8	212.0	108.6	169.2	129.4	
20	30.8	32.4	60.4	545.4	335.0	682.0	333.5	130.7	222.5	87.4	176.2	170.6	
21	24.4	29.3	53.2	527.4	336.5	676.0	281.0	143.7	245.0	76.0	190.2	224.0	
22	29.3	30.0	56.4	498.2	297.5	696.0	273.5	152.8	254.0	126.8	167.8	219.5	
23	30.8	28.6	75.0	450.6	279.5	700.0	386.0	130.7	240.5	184.6	145.0	237.5	
24	30.0	31.6	92.9	518.6	276.5	690.0	694.0	125.5	213.5	188.8	150.2	233.0	
25	30.0	27.9	128.1	529.2	267.5	742.0	688.0	124.2	218.0	119.0	146.3	197.2	
26	26.5	36.4	132.0	482.9	239.0	782.0	477.8	101.2	227.0	87.4	155.4	210.5	
27	27.2	28.6	112.5	414.9	228.5	856.0	399.6	122.9	219.5	63.1	160.8	222.5	
28	27.9	26.5	117.7	421.7	290.0	818.0	348.5	158.0	234.5	54.0	121.6	207.5	
29	27.2	21.6	130.7	406.4	510.1	756.0	288.5	148.9	246.5	83.0		207.5	
30	27.2	29.3	191.6	359.0	722.0	629.1	242.0	197.2	236.0	119.0		230.0	
31		34.8		375.2	718.0		227.0		206.0	119.0		230.0	
TOTAL	802.0	998.2	2118.8	13673.4	10611.1	19755.6	11931.9	5612.9	6262.1	4609.4	3474.8	4653.4	84503.6 CMSDAY
MEAN	26.7	32.2	70.6	441.1	342.3	658.5	384.9	187.1	202.0	148.7	124.1	150.1	231.5 CMS
MAX	31.6	40.4	191.6	585.0	722.0	856.0	950.0	366.2	254.0	258.5	190.2	237.5	950.0 CMS
MIN	18.8	21.6	22.3	218.0	216.5	527.4	148.9	101.2	95.2	54.0	54.8	61.2	18.8 CMS
RUNOFF	69.29	86.24	183.06	1181.38	916.80	1706.88	1030.92	484.95	541.05	398.25	300.22	402.05	7301.11 MCM

MOMENTARY PEAK 1034.00 CMS, AT 8.80 M (A.D), AT 6.00 HOURS, ON OCT 15, 1985
RUNOFF YIELD 21.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 97.52 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PHETCHABURI RIVER BASIN

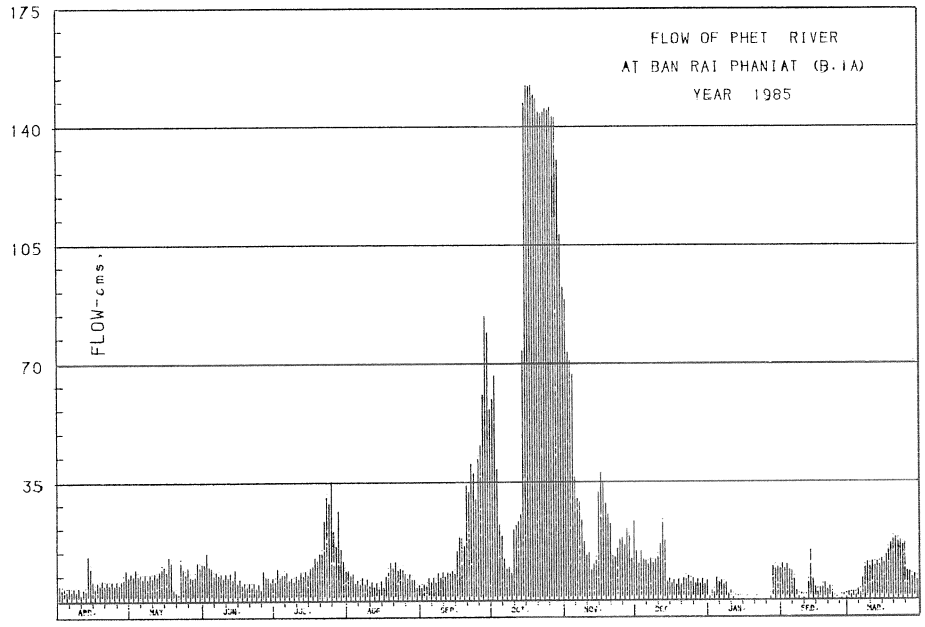
PHETCHABURI RIVER AT BAN RAI PHANIAT, PHETCHABURI (B.1A)

LOCATION	LAT. 13-04-22 N., LONG. 99-56-37 E., ON LEFT BANK, NEXT TO MUANG THAMON REGULATOR, BAN RAI PHANIAT, TAMBON BAN MO, AMPHOE MUANG, PHETCHABURI.
DRAINAGE AREA	4,188 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.060 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+4.667 M.(M.S.L.)
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	1916 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965, 1967 - 1971.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965, 1967 - 1971.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.FLOW REGULATED BY KAENG KRACHAN RESERVOIR AND PHET DIVERSION DAM FOR IRRIGATION ABOUT 27,800 HECTARES ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE DURING 1965, 1967 - 1968, 1970.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.10	1.33	1.53	1.25	1.38	1.13	3.17	3.85	1.66	0.93	1.47	0.93	
2	1.09	1.35	1.64	1.41	1.36	1.12	3.32	3.51	1.53	0.97	1.46	0.94	
3	1.05	1.40	1.49	1.32	1.32	1.16	2.60	3.43	1.66	1.03	1.46	0.94	
4	1.06	1.35	1.42	1.30	1.21	1.24	2.00	3.35	1.59	1.23	1.44	0.94	
5	1.06	1.31	1.35	1.38	1.20	1.25	1.91	2.50	1.52	1.22	1.36	0.99	
6	1.06	1.31	1.35	1.35	1.21	1.25	1.55	2.32	1.52	1.18	1.27	1.02	
7	1.05	1.31	1.37	1.27	1.25	1.24	1.46	2.25	1.55	1.18	0.97	1.22	
8	1.06	1.31	1.32	1.25	1.21	1.33	1.43	2.09	1.54	1.14	0.92	1.46	
9	1.06	1.31	1.31	1.26	1.22	1.33	1.40	1.79	1.54	0.99	0.91	1.49	
10	1.01	1.32	1.32	1.29	1.17	1.35	1.94	1.65	1.63	0.97	0.89	1.48	
11	1.02	1.33	1.33	1.31	1.17	1.35	2.04	1.64	1.76	0.92	0.90	1.50	
12	1.07	1.35	1.33	1.36	1.15	1.34	2.04	1.44	2.06	0.86	1.21	1.50	
13	1.60	1.36	1.29	1.35	1.15	1.40	2.16	1.47	1.80	0.84	1.67	1.50	
14	1.47	1.46	1.39	1.37	1.15	1.37	3.50	1.58	1.23	0.85	1.25	1.51	
15	1.18	1.44	1.21	1.38	1.19	1.39	5.09	2.35	1.22	0.85	1.05	1.54	
16	1.12	1.42	1.22	1.42	1.14	1.67	5.18	2.57	1.21	0.84	1.02	1.54	
17	1.16	1.58	1.19	1.51	1.27	1.90	5.19	2.44	1.19	0.83	1.03	1.60	
18	1.18	1.56	1.15	1.57	1.42	1.84	5.18	2.27	1.18	0.83	1.12	1.72	
19	1.20	1.01	1.15	1.59	1.50	1.78	5.14	2.12	1.20	0.82	1.13	1.76	
20	1.18	1.04	1.15	1.63	1.48	2.42	5.10	2.05	1.20	0.83	1.09	1.86	
21	1.18	0.91	1.15	1.69	1.51	2.39	5.04	1.59	1.23	0.83	1.06	1.84	
22	1.18	1.55	1.15	2.05	1.44	2.62	5.01	1.63	1.29	0.83	1.05	1.83	
23	1.18	1.41	1.14	2.34	1.41	2.56	5.04	1.70	1.27	0.83	0.85	1.80	
24	1.18	1.38	1.13	2.24	1.46	2.28	5.04	1.86	1.24	0.83	0.80	1.79	
25	1.19	1.43	1.10	2.49	1.32	2.69	5.05	1.84	1.22	0.82	0.82	1.77	
26	1.20	1.33	1.37	1.93	1.31	2.78	5.05	1.79	1.21	0.83	0.87	1.41	
27	1.19	1.24	1.33	1.78	1.31	3.20	5.01	1.95	1.20	0.92	0.89	1.34	
28	1.29	1.34	1.25	2.16	1.29	3.74	4.99	1.90	1.21	1.43	0.91	1.31	
29	1.39	1.50	1.25	1.74	1.21	3.65	4.75	1.55	1.21	1.46		1.29	
30	1.33	1.49	1.25	1.52	1.13	3.07	4.27	2.08	1.19	1.42		1.26	
31		1.48		1.43	1.11		3.95		1.18	1.46		1.26	
MEAN	1.17	1.35	1.29	1.58	1.28	1.93	3.70	2.15	1.39	1.00	1.10	1.43	
MAX	1.60	1.58	1.64	2.49	1.51	3.74	5.19	3.85	2.06	1.46	1.67	1.86	5.19
MIN	1.01	0.91	1.10	1.25	1.11	1.12	1.40	1.44	1.18	0.82	0.80	0.93	0.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.19 M (MSL), AT 12.00 HOURS, ON OCT 17, 1985
ZERO GAGE AT BOTTOM ELEVATION -0.06 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 4188 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.40	8.08	11.80	6.80	8.88	4.88	60.40	88.80	14.40	2.09	10.60	2.09	
2	4.26	8.40	14.00	9.40	8.56	4.72	66.40	74.11	11.80	2.61	10.40	2.22	
3	3.70	9.20	11.00	7.92	7.92	5.36	39.60	70.83	14.40	3.42	10.40	2.22	
4	3.84	8.40	9.60	7.60	6.16	6.64	22.30	67.60	13.00	6.48	10.00	2.22	
5	3.84	7.76	8.40	8.88	6.00	6.80	20.05	36.40	11.60	6.32	8.56	2.87	
6	3.84	7.76	8.40	8.40	6.16	6.80	12.20	31.00	11.60	5.68	7.12	3.28	
7	3.70	7.76	8.72	7.12	6.80	6.64	10.40	28.95	12.20	5.68	2.61	6.32	
8	3.84	7.76	7.92	6.80	6.16	8.08	9.80	24.55	12.00	5.04	1.96	10.40	
9	3.84	7.76	7.76	6.96	6.32	8.08	9.20	17.27	12.00	2.87	1.83	11.00	
10	3.14	7.92	7.92	7.44	5.52	8.40	20.80	14.20	13.80	2.61	1.61	10.80	
11	3.28	8.08	8.08	7.76	5.52	8.40	23.30	14.00	16.58	1.96	1.70	11.20	
12	3.98	8.40	8.08	8.56	5.20	8.24	23.30	10.00	23.80	1.34	6.16	11.20	
13	13.20	8.56	7.44	8.40	5.20	9.20	26.42	10.60	17.50	1.16	14.60	11.20	
14	10.60	10.40	9.04	8.72	5.20	8.72	73.70	12.80	6.48	1.25	6.80	11.40	
15	5.68	10.00	6.16	8.88	5.84	9.04	147.80	31.90	6.32	1.25	3.70	12.00	
16	4.72	9.60	6.32	9.60	5.04	14.60	152.30	38.64	6.16	1.16	3.28	12.00	
17	5.36	12.80	5.84	11.40	7.12	19.80	152.80	34.60	5.84	1.07	3.42	13.20	
18	5.68	12.40	5.20	12.60	9.60	18.42	152.30	29.53	5.68	1.07	4.72	15.66	
19	6.00	3.14	5.20	13.00	11.20	17.04	150.30	25.34	6.00	0.98	4.88	16.58	
20	5.68	3.56	5.20	13.80	10.80	34.00	148.30	23.55	6.00	1.07	4.26	18.88	
21	5.68	1.83	5.20	15.00	11.40	33.10	145.30	13.00	6.48	1.07	3.84	18.42	
22	5.68	12.20	5.20	23.55	10.00	40.28	143.80	13.80	7.44	1.07	3.70	18.19	
23	5.68	9.40	5.04	31.60	9.40	38.32	145.30	15.20	7.12	1.07	1.25	17.50	
24	5.68	8.88	4.88	28.66	10.40	29.82	145.30	18.88	6.64	1.07	0.80	17.27	
25	5.84	9.80	4.40	36.10	7.92	42.66	145.80	18.42	6.32	0.98	0.98	16.81	
26	6.00	8.08	8.72	20.55	7.76	45.80	145.80	17.27	6.16	1.07	1.43	9.40	
27	5.84	6.64	8.08	17.04	7.76	61.60	143.80	21.05	6.00	1.96	1.61	8.24	
28	7.44	8.24	6.80	26.42	7.44	83.96	142.80	19.80	6.16	9.80	1.83	7.76	
29	9.04	11.20	6.80	16.12	6.16	80.00	130.85	12.20	6.16	10.40		7.44	
30	8.08	11.00	6.80	11.60	4.88	56.40	108.02	24.30	5.84	9.60		6.96	
31		10.80		9.80	4.56		93.30		5.68	10.40		6.96	
TOTAL	167.54	265.81	224.00	416.48	226.88	725.80	2811.74	858.59	297.16	103.60	134.05	321.69	6553.34 CMSDAY
MEAN	5.58	8.57	7.47	13.43	7.32	24.19	90.70	28.62	9.59	3.34	4.79	10.38	17.95 CMS
MAX	13.20	12.80	14.00	36.10	11.40	83.96	152.80	88.80	23.80	10.40	14.60	18.88	152.80 CMS
MIN	3.14	1.83	4.40	6.80	4.56	4.72	9.20	10.00	5.68	0.98	0.80	2.09	0.80 CMS
RUNOFF	14.475	22.966	19.354	35.984	19.602	62.709	242.934	74.182	25.675	8.951	11.582	27.794	566.209 MCM

MOMENTARY PEAK 152.80 CMS, AT 5.19 M (MSL), AT 12.00 HOURS, ON OCT 17, 1985

RUNOFF YIELD 4.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

MAE KLONG RIVER BASIN

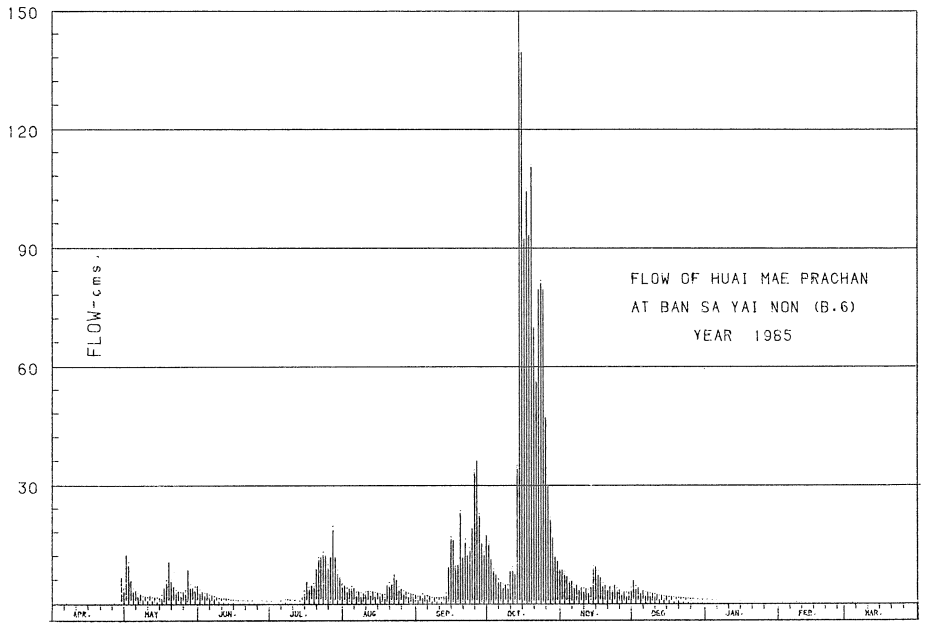
HUAI UNG THI AT BAN UNG THI, KANCHANABURI (K.39)

LOCATION	LAT. 14-42-20 N., LONG. 98-40-18 E., ON RIGHT BANK AT K.M.121+600 ON KANCHANABURI-THONG PHA PHUM HIGHWAY, AMPHOE THONG PHA PHUM, KANCHANABURI.
DRAINAGE AREA	54 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 16.00 METERS FROM THE THIRD STAFF GAGE.
ELEVATION	+3.414 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	1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1985 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.27	0.28	0.26	0.78	0.45	0.54	0.56	0.45	0.41	0.37	0.33	0.30	
2	0.27	0.28	0.25	0.58	0.43	0.61	0.57	0.45	0.41	0.37	0.33	0.30	
3	0.27	0.27	0.26	0.55	0.41	0.54	0.55	0.44	0.41	0.37	0.33	0.30	
4	0.27	0.27	0.32	0.57	0.43	0.59	0.53	0.43	0.40	0.37	0.33	0.30	
5	0.46	0.27	0.27	0.72	0.42	0.52	0.50	0.42	0.40	0.37	0.33	0.30	
6	0.31	0.27	0.27	0.51	0.43	0.51	0.50	0.41	0.40	0.36	0.33	0.31	
7	0.28	0.27	0.27	0.48	0.42	0.50	0.49	0.41	0.40	0.36	0.32	0.31	
8	0.27	0.24	0.30	0.53	0.41	0.50	0.48	0.41	0.40	0.36	0.32	0.31	
9	0.27	0.22	0.29	0.48	0.41	0.50	0.47	0.41	0.40	0.36	0.32	0.31	
10	0.27	0.25	0.39	0.47	0.41	0.49	0.47	0.41	0.39	0.36	0.32	0.31	
11	0.27	0.25	0.42	0.46	0.47	0.50	0.48	0.41	0.39	0.35	0.32	0.31	
12	0.27	0.25	0.40	0.45	0.49	0.52	0.46	0.42	0.39	0.35	0.32	0.30	
13	0.26	0.25	0.38	0.68	0.50	0.53	0.49	0.42	0.39	0.35	0.32	0.30	
14	0.25	0.25	0.39	0.54	0.44	0.54	0.57	0.45	0.38	0.35	0.32	0.30	
15	0.25	0.23	0.57	0.48	0.43	0.53	0.50	0.44	0.38	0.35	0.31	0.29	
16	0.25	0.23	0.44	0.48	0.42	0.52	0.49	0.41	0.38	0.35	0.31	0.29	
17	0.50	0.23	0.42	0.46	0.43	1.19	0.47	0.41	0.38	0.35	0.31	0.29	
18	0.39	0.32	0.39	0.48	0.44	0.85	0.47	0.41	0.38	0.35	0.31	0.30	
19	0.28	0.25	0.36	0.53	0.42	0.64	0.45	0.40	0.38	0.35	0.31	0.30	
20	0.27	0.32	0.36	0.51	0.41	0.63	0.45	0.88	0.38	0.35	0.31	0.30	
21	0.27	0.30	0.37	0.49	0.40	0.63	0.43	0.48	0.38	0.35	0.30	0.30	
22	0.27	0.27	0.37	0.46	0.40	0.58	0.58	0.44	0.38	0.35	0.30	0.30	
23	0.27	0.28	0.39	0.45	0.40	0.65	0.55	0.43	0.37	0.35	0.30	0.30	
24	0.25	0.26	0.43	0.45	0.39	0.72	0.47	0.43	0.37	0.35	0.30	0.30	
25	0.25	0.27	0.40	0.44	0.39	0.61	0.46	0.42	0.37	0.35	0.30	0.30	
26	0.27	0.26	0.39	0.43	0.40	0.80	0.44	0.42	0.37	0.35	0.30	0.31	
27	0.27	0.25	0.40	0.43	0.69	0.64	0.44	0.41	0.37	0.35	0.30	0.31	
28	0.28	0.28	0.60	0.43	0.73	0.60	0.52	0.41	0.37	0.35	0.30	0.31	
29	0.29	0.36	0.83	0.43	0.58	0.58	0.50	0.41	0.37	0.35		0.31	
30	0.29	0.30	0.71	0.49	0.52	0.57	0.46	0.41	0.37	0.34		0.31	
31		0.27		0.47	0.54		0.49		0.37	0.33		0.31	
MEAN	0.29	0.27	0.40	0.51	0.46	0.60	0.49	0.44	0.39	0.35	0.31	0.30	
MAX	0.50	0.36	0.83	0.78	0.73	1.19	0.58	0.88	0.41	0.37	0.33	0.31	1.19
MIN	0.25	0.22	0.25	0.43	0.39	0.49	0.43	0.40	0.37	0.33	0.30	0.29	0.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.90 M (A.D), AT 12.00 HOURS, ON SEP 12, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.15 M (A.D)
LEFT BANK ELEVATION 8.65 M (A.D)
RIGHT BANK ELEVATION 8.49 M (A.D), DRAINAGE AREA 54 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	12.42	3.71	0.76	4.61	2.01	15.83	8.62	5.92	1.11	0.41	0.29	
2	0.23	10.62	3.01	0.76	4.11	2.01	11.22	8.22	4.61	1.01	0.41	0.26	
3	0.23	5.92	2.81	0.86	3.81	2.61	8.82	6.97	4.01	0.96	0.41	0.29	
4	0.23	4.01	2.81	0.86	4.51	2.11	7.42	6.37	3.61	0.96	0.41	0.32	
5	0.23	3.31	2.41	0.86	4.01	2.21	6.37	5.77	3.31	0.91	0.41	0.29	
6	0.23	2.81	2.21	0.91	3.11	1.91	5.47	4.91	3.01	0.91	0.41	0.29	
7	0.23	2.41	2.01	1.21	3.11	1.71	5.02	4.81	2.91	0.86	0.41	0.26	
8	0.08	2.11	1.71	1.21	2.91	1.61	4.81	4.41	2.81	0.81	0.41	0.29	
9	0.08	1.91	1.51	1.11	2.61	1.61	4.91	4.11	2.61	0.81	0.41	0.29	
10	0.06	1.81	1.41	1.01	3.11	1.61	8.22	4.01	2.51	0.81	0.41	0.29	
11	0.06	2.11	1.41	1.01	3.31	1.61	9.42	3.81	2.31	0.81	0.41	0.29	
12	0.06	1.81	1.41	0.96	3.21	1.81	7.42	3.61	2.21	0.81	0.38	0.29	
13	0.06	1.71	1.31	0.86	3.11	2.81	35.06	4.11	2.11	0.76	0.38	0.29	
14	0.06	1.71	1.11	1.61	3.01	9.22	361.64	9.62	2.01	0.76	0.38	0.26	
15	0.06	1.51	1.11	3.41	2.81	17.03	140.39	9.42	1.91	0.71	0.38	0.26	
16	0.06	2.41	1.01	5.62	2.61	16.13	92.29	8.42	1.81	0.61	0.38	0.23	
17	0.10	4.01	0.96	4.31	2.51	9.62	105.10	6.67	1.81	0.61	0.35	0.23	
18	0.23	6.07	0.96	4.61	2.51	9.82	93.19	5.32	1.71	0.61	0.35	0.18	
19	0.23	10.62	0.96	5.32	4.71	23.64	111.10	4.71	1.61	0.61	0.32	0.18	
20	0.23	6.22	0.96	8.82	5.47	11.62	69.88	4.41	1.61	0.61	0.32	0.16	
21	0.23	4.41	0.91	11.82	4.91	16.43	56.87	4.41	1.51	0.56	0.32	0.16	
22	0.23	3.61	0.91	11.82	7.42	12.22	79.48	4.21	1.51	0.56	0.32	0.18	
23	0.26	3.21	0.86	13.22	6.07	14.33	81.88	4.71	1.41	0.56	0.32	0.18	
24	0.26	3.01	0.86	12.22	4.41	19.13	79.48	4.01	1.41	0.56	0.32	0.18	
25	0.26	3.01	0.86	10.02	3.81	33.86	47.77	3.51	1.31	0.56	0.29	0.18	
26	0.26	3.51	0.86	11.82	3.41	36.26	29.66	3.21	1.31	0.56	0.29	0.18	
27	0.26	8.62	0.91	19.73	3.11	22.84	22.04	3.01	1.21	0.51	0.29	0.18	
28	0.35	5.02	0.91	11.82	2.81	15.23	16.73	2.91	1.21	0.44	0.29	0.18	
29	6.67	4.01	0.81	8.62	2.61	13.22	12.82	2.91	1.11	0.44		0.18	
30	4.01	4.41	0.81	6.67	2.41	17.33	10.82	4.21	1.11	0.44		0.16	
31		4.61		5.17	2.21		9.22		1.11	0.44		0.16	
TOTAL	15.77	132.94	43.50	169.01	112.34	323.56	1550.35	155.40	68.62	21.68	10.19	7.16	2610.52 CMSDAY
MEAN	0.53	4.29	1.45	5.45	3.62	10.79	50.01	5.18	2.21	0.70	0.36	0.23	7.15 CMS
MAX	6.67	12.42	3.71	19.73	7.42	36.26	361.64	9.62	5.92	1.11	0.41	0.32	361.64 CMS
MIN	0.06	1.51	0.81	0.76	2.21	1.61	4.81	2.91	1.11	0.44	0.29	0.16	0.06 CMS
RUNOFF	1.363	11.486	3.758	14.602	9.706	27.956	133.950	13.427	5.929	1.873	0.880	0.619	225.549 MCM

MOMENTARY PEAK 450.15 CMS, AT 28.40 M (MSL), AT 6.00 HOURS, ON OCT 14, 1985
RUNOFF YIELD 7.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 443.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PHETCHABURI RIVER BASIN

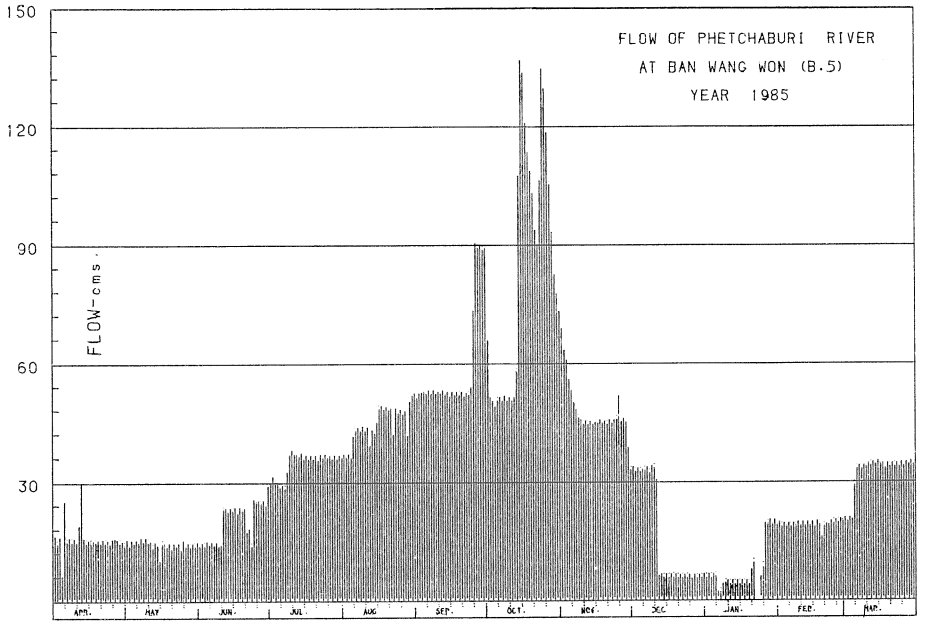
PHETCHABURI RIVER AT BAN WANG WON, PHETCHABURI (B.5)

LOCATION	LAT. 12-54-40 N., LONG. 99-38-38 E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM KAENG KRACHAN RESERVOIR, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,207 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+48.485 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	BEHIND THE STATION OFFICE.
ELEVATION	+59.967 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1962 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1962 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 62 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	48.78	48.74	48.71	49.28	49.50	49.96	50.35	50.41	49.39	48.31	48.91	48.95	
2	48.73	48.71	48.70	49.31	49.50	49.97	49.94	50.29	49.38	48.31	48.90	48.95	
3	48.77	48.73	48.71	49.28	49.50	49.99	49.94	50.20	49.38	48.31	48.90	48.95	
4	48.34	48.74	48.72	49.26	49.50	49.98	49.87	50.09	49.38	48.31	48.90	48.97	
5	49.10	48.73	48.73	49.25	49.64	49.99	49.94	49.99	49.37	48.33	48.90	49.23	
6	48.75	48.75	48.71	49.24	49.71	49.99	49.94	49.92	49.39	48.00	48.90	49.40	
7	48.76	48.76	48.72	49.24	49.71	49.99	49.94	49.85	49.39	48.07	48.90	49.40	
8	48.75	48.76	48.71	49.35	49.71	49.99	49.95	49.81	49.37	48.15	48.90	49.40	
9	48.75	48.76	48.71	49.52	49.72	49.99	49.94	49.77	49.40	48.23	48.91	49.40	
10	48.75	48.75	48.68	49.53	49.71	49.98	49.94	49.76	49.41	48.21	48.91	49.42	
11	48.88	48.72	49.05	49.53	49.71	49.99	49.94	49.76	49.28	48.21	48.91	49.42	
12	49.28	48.69	49.04	49.50	49.59	49.99	49.94	49.76	48.33	48.21	48.91	49.43	
13	48.75	48.71	49.04	49.51	49.69	49.98	50.14	49.76	48.31	48.21	48.91	49.43	
14	48.74	48.72	49.04	49.51	49.69	49.98	51.30	49.76	48.31	48.21	48.91	49.44	
15	48.73	48.50	49.05	49.49	49.75	49.97	51.88	49.75	48.31	48.21	48.91	49.44	
16	48.74	48.73	49.05	49.49	49.88	49.98	51.81	49.77	48.31	48.21	48.90	49.44	
17	48.73	48.70	49.03	49.49	49.88	49.98	51.58	49.77	48.31	48.21	48.92	49.42	
18	48.75	48.70	49.05	49.49	49.88	49.98	51.42	49.77	48.32	48.21	48.92	49.41	
19	48.73	48.70	49.05	49.49	49.87	49.98	51.34	49.76	48.31	48.21	48.76	49.42	
20	48.74	48.68	49.04	49.49	49.87	49.98	51.21	49.76	48.31	48.37	48.90	49.42	
21	48.74	48.70	48.85	49.48	49.86	49.97	51.02	49.77	48.30	48.51	48.89	49.42	
22	48.74	48.71	48.85	49.50	49.68	49.97	50.92	49.77	48.31	47.74	48.92	49.42	
23	48.73	48.70	48.70	49.50	49.86	49.98	51.29	49.77	48.30	47.74	48.92	49.42	
24	48.73	48.67	49.12	49.50	49.85	50.01	51.83	49.80	48.31	48.27	48.93	49.42	
25	48.74	48.73	49.12	49.50	49.85	50.54	51.75	49.95	48.30	48.46	48.93	49.43	
26	48.79	48.71	49.11	49.49	49.84	50.93	51.52	49.78	48.30	48.90	48.94	49.43	
27	48.74	48.70	49.11	49.49	49.84	50.92	51.27	49.78	48.30	48.92	48.94	49.43	
28	48.74	48.70	49.11	49.49	49.67	50.92	50.99	49.78	48.30	48.93	48.95	49.44	
29	48.72	48.70	49.10	49.49	49.91	50.91	50.76	49.55	48.30	48.92		49.44	
30	48.71	48.71	49.23	49.49	49.97	50.90	50.63	49.39	48.31	48.93		49.44	
31		48.71		49.50	49.97		50.54		48.31	48.91		49.45	
MEAN	48.76	48.71	48.93	49.44	49.75	50.16	50.74	49.84	48.69	48.35	48.91	49.36	
MAX	49.28	48.76	49.23	49.53	49.97	50.93	51.88	50.41	49.41	48.93	48.95	49.45	51.88
MIN	48.34	48.50	48.68	49.24	49.50	49.96	49.87	49.39	48.30	47.74	48.76	48.95	47.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 50.94 M (MSL), AT 24.00 HOURS, ON SEP 25, 1985
ZERO GAGE AT BOTTOM ELEVATION 48.48 M (MSL), RIVER BED 47.06 M (MSL)
LEFT BANK ELEVATION 59.21 M (MSL)
RIGHT BANK ELEVATION 54.16 M (MSL), DRAINAGE AREA 2207 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.54	15.62	14.93	30.60	37.20	52.26	66.65	68.99	33.90	6.78	19.88	21.00	
2	15.39	14.93	14.70	31.50	37.20	52.62	51.54	64.33	33.60	6.78	19.60	21.00	
3	16.31	15.39	14.93	30.60	37.20	53.34	51.54	61.00	33.60	6.78	19.60	21.00	
4	7.32	15.62	15.16	30.00	37.20	52.98	49.11	56.94	33.60	6.78	19.60	21.56	
5	25.20	15.39	15.39	29.70	41.68	53.34	51.54	53.34	33.30	7.14	19.60	29.10	
6	15.85	15.85	14.93	29.40	43.92	53.34	51.54	50.82	33.90	2.20	19.60	34.20	
7	16.08	16.08	15.16	29.40	43.92	53.34	51.54	48.45	33.90	3.11	19.60	34.20	
8	15.85	16.08	14.93	32.70	43.92	53.34	51.90	47.13	33.30	4.25	19.60	34.20	
9	15.85	16.08	14.93	37.84	44.24	53.34	51.54	45.84	34.20	5.48	19.88	34.20	
10	15.85	15.85	14.24	38.16	43.92	52.98	51.54	45.52	34.50	5.16	19.88	34.80	
11	19.08	15.16	23.80	38.16	43.92	53.34	51.54	45.52	30.60	5.16	19.88	34.80	
12	30.60	14.47	23.52	37.20	40.08	53.34	51.54	45.52	7.14	5.16	19.88	35.10	
13	15.85	14.93	23.52	37.52	43.28	52.98	58.78	45.52	6.78	5.16	19.88	35.10	
14	15.62	15.16	23.52	37.52	43.28	52.98	107.60	45.52	6.78	5.16	19.88	35.40	
15	15.39	10.30	23.80	36.90	45.20	52.62	137.44	45.20	6.78	5.16	19.88	35.40	
16	15.62	15.39	23.80	36.90	49.44	52.98	133.73	45.84	6.78	5.16	19.60	35.40	
17	15.39	14.70	23.24	36.90	49.44	52.98	121.76	45.84	6.78	5.16	20.16	34.80	
18	15.85	14.70	23.80	36.90	49.44	52.98	113.60	45.84	6.96	5.16	20.16	34.50	
19	15.39	14.70	23.80	36.90	49.11	52.98	109.60	45.52	6.78	5.16	16.08	34.80	
20	15.62	14.24	23.52	36.90	49.11	52.98	103.28	45.52	6.78	7.86	19.60	34.80	
21	15.62	14.70	18.30	36.60	48.78	52.62	94.70	45.84	6.60	10.51	19.34	34.80	
22	15.62	14.93	18.30	37.20	42.96	52.62	90.20	45.84	6.78	0.00	20.16	34.80	
23	15.39	14.70	14.70	37.20	48.78	52.98	107.12	45.84	6.60	0.00	20.16	34.80	
24	15.39	14.01	25.80	37.20	48.45	54.06	134.79	46.80	6.78	6.12	20.44	34.80	
25	15.62	15.39	25.80	37.20	48.45	74.14	130.60	51.90	6.60	9.54	20.44	35.10	
26	16.77	14.93	25.50	36.90	48.12	90.65	118.64	46.16	6.60	19.60	20.72	35.10	
27	15.62	14.70	25.50	36.90	48.12	90.20	106.16	46.16	6.60	20.16	20.72	35.10	
28	15.62	14.70	25.50	36.90	42.64	90.20	93.35	46.16	6.60	20.44	21.00	35.40	
29	15.16	14.70	25.20	36.90	50.46	89.75	83.22	38.80	6.60	20.16		35.40	
30	14.93	14.93	29.10	36.90	52.62	89.30	77.83	33.90	6.78	20.44		35.40	
31		14.93		37.20	52.62		74.14		6.78	19.88		35.70	
TOTAL	490.39	463.26	619.32	1098.80	1404.70	1797.56	2628.06	1445.60	503.28	255.61	554.82	1021.76	12283.16 CMSDAY
MEAN	16.35	14.94	20.64	35.45	45.31	59.92	84.78	48.19	16.23	8.25	19.82	32.96	33.65 CMS
MAX	30.60	16.08	29.10	38.16	52.62	90.65	137.44	68.99	34.50	20.44	21.00	35.70	137.44 CMS
MIN	7.32	10.30	14.24	29.40	37.20	52.26	49.11	33.90	6.60	0.00	16.08	21.00	0.00 CMS
RUNOFF	42.370	40.026	53.509	94.936	121.366	155.309	227.064	124.900	43.483	22.085	47.936	88.280	1061.265 MCM

MOMENTARY PEAK 91.10 CMS, AT 50.94 M (MSL), AT 24.00 HOURS, ON SEP 25, 1985
RUNOFF YIELD 15.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 41.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PHETCHABURI RIVER BASIN

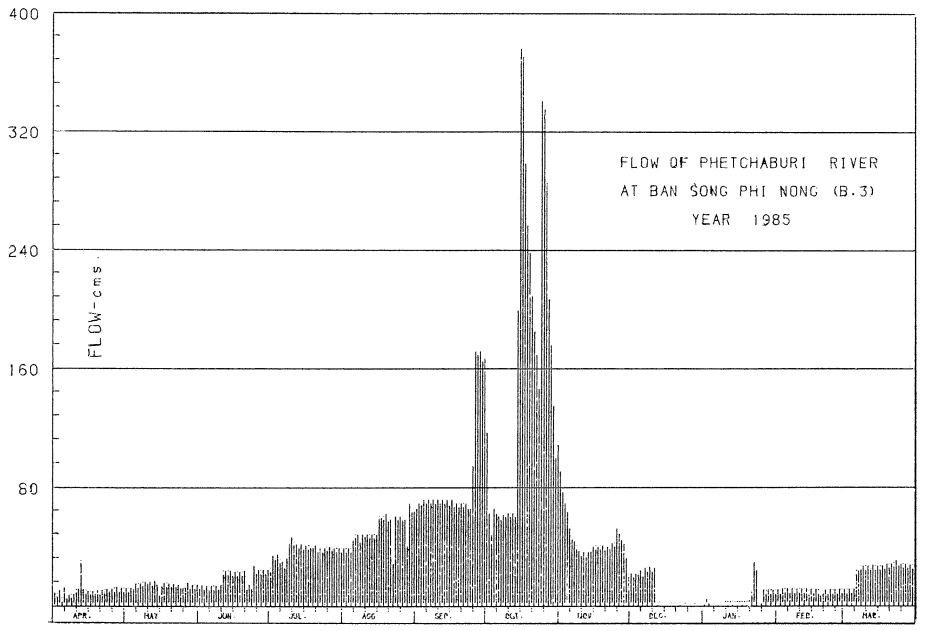
HUAI PHAK AT BAN KARIANG, PHETCHABURI (B.8)

LOCATION	LAT. 12-48-49 N., LONG. 99-41-32 E., ON LEFT BANK AT BAN KARIANG, TAMBON SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	264 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+8.879 M. (A.D.)
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 FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW EFFECTED BY THE WEIR. STAGE-DISCHARGE RELATION DEFINED BY 146 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.83	1.49	1.86	1.68	1.99	1.67	2.38	2.24	2.03	1.68	1.69	1.68	
2	0.83	1.48	1.82	1.68	1.92	1.67	2.24	2.34	1.98	1.68	1.69	1.66	
3	0.83	1.46	1.79	1.70	1.87	1.67	2.17	2.26	1.94	1.68	1.68	1.68	
4	0.83	1.45	1.80	2.04	1.85	1.66	2.10	2.16	1.91	1.67	1.69	1.69	
5	0.83	1.45	1.76	2.02	1.83	1.65	2.05	2.11	1.88	1.67	1.69	1.69	
6	0.83	1.87	1.74	1.93	1.80	1.65	2.01	2.06	1.86	1.67	1.69	1.69	
7	0.83	1.68	1.73	1.86	1.78	1.65	1.99	2.03	1.85	1.67	1.68	1.67	
8	0.82	1.63	1.71	1.82	1.78	1.65	2.27	1.99	1.83	1.67	1.69	1.67	
9	0.82	1.66	1.70	1.79	1.77	1.66	2.92	1.96	1.82	1.66	1.70	1.68	
10	0.81	1.63	1.70	1.77	1.76	1.65	2.62	1.94	1.78	1.66	1.71	1.66	
11	0.81	1.62	1.70	1.76	1.76	1.64	2.53	1.93	1.78	1.66	1.70	1.66	
12	0.80	1.64	1.70	1.81	1.76	1.67	2.69	1.98	1.79	1.67	1.69	1.66	
13	0.80	1.66	1.70	2.08	1.76	1.71	4.83	2.13	1.78	1.67	1.70	1.64	
14	0.80	1.66	1.70	1.98	1.75	1.68	3.89	3.05	1.78	1.67	1.72	1.63	
15	0.79	1.98	1.70	1.91	1.74	2.13	3.41	2.78	1.76	1.69	1.71	1.62	
16	0.79	2.29	1.70	1.87	1.74	1.90	3.06	2.56	1.75	1.69	1.69	1.62	
17	0.79	2.88	1.69	1.83	1.73	1.91	2.93	2.39	1.74	1.68	1.70	1.59	
18	0.78	2.66	1.68	1.89	1.71	1.95	2.89	2.26	1.72	1.66	1.69	1.58	
19	0.78	2.66	1.68	2.20	1.72	2.22	2.94	2.17	1.71	1.64	1.69	1.58	
20	0.77	2.16	1.68	2.27	1.71	3.48	2.88	2.12	1.70	1.63	1.67	1.59	
21	0.77	1.98	1.69	2.74	1.70	3.33	2.65	2.25	1.70	1.66	1.69	1.57	
22	0.78	1.91	1.71	2.42	1.71	2.73	2.68	2.12	1.70	1.68	1.69	1.54	
23	0.86	2.12	1.73	2.73	1.70	2.78	3.00	2.08	1.70	1.68	1.70	1.57	
24	1.70	2.09	1.73	2.89	1.69	2.48	2.91	2.04	1.70	1.68	1.70	1.60	
25	1.60	2.17	1.72	2.62	1.68	2.65	2.67	1.99	1.69	1.67	1.69	1.60	
26	1.57	2.92	1.72	2.94	1.68	2.74	2.55	1.96	1.67	1.68	1.69	1.60	
27	1.54	2.24	1.72	2.48	1.68	2.97	2.52	1.93	1.67	1.67	1.69	1.59	
28	1.54	2.06	1.70	2.27	1.68	2.63	2.45	2.02	1.69	1.66	1.68	1.56	
29	1.52	1.98	1.69	2.14	1.68	2.57	2.32	2.16	1.68	1.66		1.56	
30	1.49	2.04	1.68	2.07	1.68	2.68	2.30	2.14	1.68	1.66		1.54	
31		1.93		2.01	1.67		2.38		1.68	1.68		1.54	
MEAN	0.98	1.95	1.72	2.10	1.75	2.15	2.68	2.17	1.77	1.67	1.69	1.62	
MAX	1.70	2.92	1.86	2.94	1.99	3.48	4.83	3.05	2.03	1.69	1.72	1.69	4.83
MIN	0.77	1.45	1.68	1.68	1.67	1.64	1.99	1.93	1.67	1.63	1.67	1.54	0.77

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.78 M (A.D), AT 9.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.51 M (A.D)
LEFT BANK ELEVATION 7.00 M (A.D)
RIGHT BANK ELEVATION 8.17 M (A.D), DRAINAGE AREA 264 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.70	12.04	14.52	25.77	39.02	68.16	119.26	90.74	21.90	4.57	10.84	11.44	
2	8.45	12.04	14.12	33.94	39.02	69.36	62.64	79.04	21.90	4.42	10.84	11.44	
3	10.54	12.34	13.72	33.94	39.02	70.56	50.30	69.36	21.90	4.57	11.74	11.44	
4	5.32	14.12	13.72	34.74	39.02	71.76	65.79	65.79	23.82	1.57	11.74	11.44	
5	12.34	15.32	13.72	31.54	44.42	71.76	64.74	52.30	23.82	1.42	11.74	11.44	
6	7.46	15.32	13.72	29.94	48.30	71.76	60.54	47.30	22.52	1.57	11.74	23.82	
7	7.46	15.32	13.72	28.37	48.30	71.76	60.54	43.52	25.77	2.47	11.74	23.82	
8	7.95	16.12	13.72	32.34	45.32	71.76	61.59	40.82	25.77	1.87	11.74	27.07	
9	7.95	16.52	14.12	44.42	48.30	71.76	62.64	37.22	26.42	3.22	11.74	27.07	
10	11.44	17.90	14.12	46.30	49.30	71.76	62.64	36.34	25.77	3.22	11.74	27.07	
11	11.44	16.52	23.82	43.52	48.30	71.76	62.64	36.34	25.77	3.22	11.74	27.07	
12	30.74	16.52	23.82	41.72	48.30	71.76	62.64	35.54	2.77	3.22	11.74	27.07	
13	11.44	16.92	23.82	41.72	48.30	71.76	62.64	36.34	2.77	3.22	11.74	27.72	
14	10.84	17.40	23.82	41.72	48.30	71.76	199.32	39.02	2.32	3.22	10.54	27.07	
15	9.95	7.06	23.17	40.82	48.30	70.56	377.52	39.92	1.87	3.22	11.44	27.07	
16	9.95	15.72	23.17	40.82	60.54	71.76	370.72	40.82	2.62	3.22	11.44	27.07	
17	9.95	15.72	23.17	40.82	59.49	69.36	300.40	39.92	2.32	3.22	11.44	27.07	
18	9.95	15.72	23.17	39.02	60.54	69.36	256.64	40.82	2.32	3.22	10.84	27.72	
19	10.54	15.32	23.17	41.72	62.64	69.36	239.84	40.82	2.32	3.22	6.86	28.37	
20	10.54	15.72	23.82	40.82	59.49	69.36	209.00	39.92	2.32	3.82	10.84	28.37	
21	10.84	14.92	13.72	39.02	58.44	69.36	187.32	39.92	2.32	9.45	10.84	28.37	
22	11.14	15.72	14.52	39.02	30.74	69.36	169.36	40.82	2.32	29.14	10.84	29.14	
23	11.44	14.52	14.52	39.02	60.54	68.16	148.60	42.62	2.17	26.42	11.14	30.74	
24	11.74	14.92	27.07	39.02	60.54	65.79	340.76	42.62	1.87	2.02	11.14	29.94	
25	11.74	12.34	24.47	39.92	60.54	96.70	337.56	52.30	1.72	4.12	11.14	28.37	
26	12.34	15.32	24.47	39.92	60.54	171.56	285.52	51.30	1.72	10.84	11.14	28.37	
27	12.94	15.72	24.47	39.92	58.44	171.56	209.00	44.42	1.72	10.54	11.44	28.37	
28	12.34	14.52	24.47	39.02	42.62	171.56	175.96	44.42	1.57	10.84	11.44	28.37	
29	12.34	14.52	24.47	39.02	69.36	167.16	137.04	32.34	1.57	10.84		27.72	
30	12.34	14.52	24.47	39.02	65.79	167.16	99.70	21.90	1.57	10.84		27.72	
31		14.52		39.02	63.69		110.76		1.57	10.84		27.72	
TOTAL	332.15	461.20	590.80	1185.92	1615.46	2635.57	5013.62	1364.55	307.11	197.59	313.34	775.48	14792.79 CMSDAY
MEAN	11.07	14.88	19.69	38.26	52.11	87.85	161.73	45.49	9.91	6.37	11.19	25.02	40.53 CMS
MAX	30.74	17.90	27.07	46.30	69.36	171.56	377.52	90.74	26.42	29.14	11.74	30.74	377.52 CMS
MIN	5.32	7.06	13.72	25.77	30.74	65.79	50.30	21.90	1.57	1.42	6.86	11.44	1.42 CMS
RUNOFF	28.698	39.848	51.045	102.464	139.576	227.713	433.177	117.897	26.534	17.072	27.073	67.001	1278.097 MCM

MOMENTARY PEAK 398.30 CMS, AT 44.64 M (MSL), AT 18.00 HOURS, ON OCT 15, 1985

RUNOFF YIELD 18.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 177.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PHETCHABURI RIVER BASIN

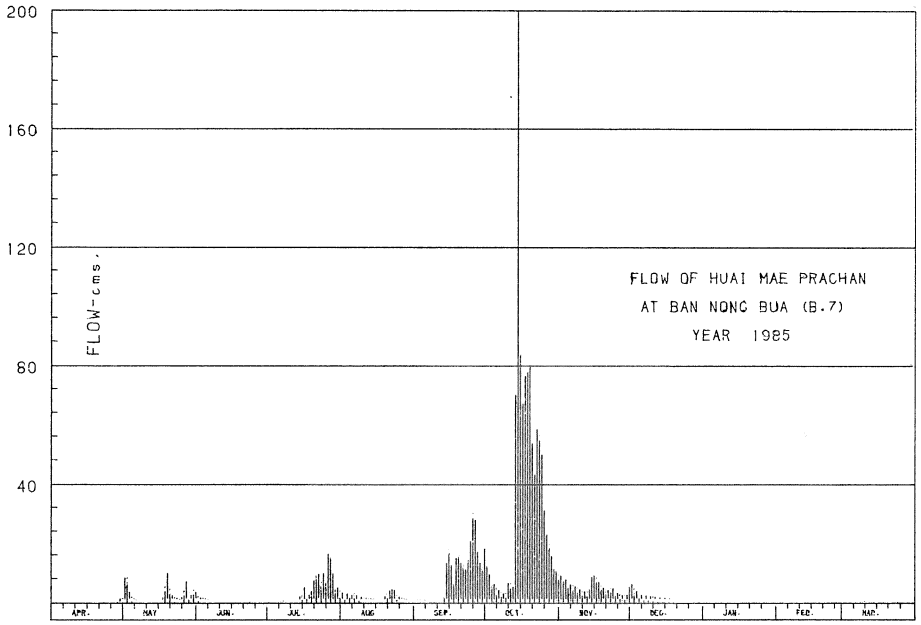
HUAI MAE PRACHAN AT BAN NONG BUA, PHETCHABURI (B.7)

LOCATION	LAT. 13-01-45 N., LONG. 99-44-00 E., ON LEFT BANK AT BAN NONG BUA, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	846 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+10.495 M. (A.D.)
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 - 1981, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1981, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 6.29 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 146 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.89	2.10	1.44	0.95	1.59	1.13	2.58	2.17	1.88	1.18	1.01	0.95	
2	0.89	2.11	1.35	0.95	1.52	1.22	2.21	2.13	1.73	1.17	1.00	0.98	
3	0.88	1.62	1.33	0.96	1.56	1.20	2.02	2.04	1.64	1.16	1.00	0.99	
4	0.87	1.41	1.30	0.96	1.58	1.23	1.88	1.96	1.57	1.16	1.00	0.98	
5	0.87	1.29	1.23	0.97	1.51	1.20	1.76	1.87	1.52	1.16	1.01	0.96	
6	0.87	1.23	1.19	1.06	1.56	1.15	1.67	1.84	1.49	1.15	1.01	0.96	
7	0.86	1.17	1.14	1.09	1.50	1.12	1.61	1.81	1.48	1.15	1.01	0.97	
8	0.86	1.10	1.11	1.09	1.46	1.09	1.56	1.76	1.47	1.14	1.01	0.96	
9	0.84	1.06	1.09	1.06	1.40	1.07	1.58	1.70	1.45	1.13	1.01	0.98	
10	0.82	1.12	1.07	1.04	1.35	1.07	1.91	1.65	1.42	1.13	1.01	1.01	
11	0.82	1.15	1.06	1.03	1.33	1.06	1.92	1.63	1.40	1.13	1.00	0.96	
12	0.81	1.14	1.04	1.01	1.31	1.04	1.79	1.63	1.38	1.13	1.00	0.95	
13	0.82	1.14	1.03	1.07	1.30	1.53	5.11	1.70	1.36	1.12	0.99	0.94	
14	0.82	1.11	1.02	1.42	1.30	2.53	7.63	2.29	1.35	1.11	0.98	0.94	
15	0.84	1.17	1.00	1.51	1.27	2.85	5.45	2.17	1.33	1.11	0.98	0.94	
16	0.84	1.17	0.98	1.77	1.22	2.48	4.99	2.10	1.32	1.10	0.98	0.93	
17	0.83	1.36	0.98	1.54	1.19	2.11	5.29	1.96	1.30	1.10	0.98	0.93	
18	0.83	1.80	0.99	1.52	1.28	2.64	5.28	1.84	1.29	1.09	0.97	0.93	
19	0.85	2.25	0.98	1.81	1.44	2.82	5.37	1.75	1.27	1.08	0.98	0.92	
20	0.84	1.72	0.99	2.00	1.56	2.53	4.53	1.70	1.27	1.07	0.98	0.91	
21	0.83	1.49	0.99	2.40	1.66	2.59	4.17	1.68	1.27	1.07	0.97	0.91	
22	0.92	1.37	0.98	2.22	1.87	2.37	4.70	1.75	1.26	1.07	0.96	0.92	
23	0.97	1.32	0.98	2.10	1.68	2.70	4.63	1.74	1.24	1.06	0.96	0.92	
24	0.90	1.27	0.98	2.25	1.51	3.02	4.38	1.64	1.23	1.06	0.96	0.92	
25	0.88	1.38	0.98	2.22	1.41	3.54	3.65	1.58	1.22	1.05	0.96	0.91	
26	0.86	1.66	0.97	2.73	1.34	3.42	3.17	1.54	1.22	1.05	0.96	0.90	
27	0.88	1.97	0.97	2.80	1.29	2.92	2.94	1.51	1.21	1.05	0.95	0.91	
28	0.97	1.59	0.97	2.24	1.26	2.53	2.68	1.51	1.20	1.04	0.95	0.90	
29	1.28	1.50	0.96	1.96	1.22	2.55	2.49	1.51	1.19	1.04		0.91	
30	1.31	1.69	0.95	1.77	1.18	2.85	2.31	1.95	1.19	1.02		0.91	
31		1.61		1.66	1.16		2.20		1.18	1.01		0.90	
MEAN	0.89	1.45	1.07	1.59	1.41	2.05	3.34	1.80	1.37	1.10	0.98	0.94	
MAX	1.31	2.25	1.44	2.80	1.87	3.54	7.63	2.29	1.88	1.18	1.01	1.01	7.63
MIN	0.81	1.06	0.95	0.95	1.16	1.04	1.56	1.51	1.18	1.01	0.95	0.90	0.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.06 M (A.D), AT 24.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.06 M (A.D)
LEFT BANK ELEVATION 10.67 M (A.D)
RIGHT BANK ELEVATION 6.29 M (A.D), DRAINAGE AREA 846 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	8.50	2.20	0.37	3.40	0.82	14.20	9.20	6.30	0.95	0.52	0.37	
2	0.22	8.60	1.75	0.37	2.70	1.10	9.60	8.80	4.80	0.92	0.50	0.45	
3	0.20	3.70	1.65	0.40	3.10	1.00	7.70	7.90	3.90	0.90	0.50	0.47	
4	0.17	2.05	1.50	0.40	3.30	1.15	6.30	7.10	3.20	0.90	0.50	0.45	
5	0.17	1.45	1.15	0.43	2.60	1.00	5.10	6.20	2.70	0.90	0.52	0.40	
6	0.17	1.15	0.98	0.65	3.10	0.87	4.20	5.90	2.45	0.87	0.52	0.40	
7	0.15	0.92	0.85	0.72	2.50	0.80	3.60	5.60	2.40	0.87	0.52	0.43	
8	0.15	0.75	0.77	0.72	2.30	0.72	3.10	5.10	2.35	0.85	0.52	0.40	
9	0.10	0.65	0.72	0.65	2.00	0.68	3.30	4.50	2.25	0.82	0.52	0.45	
10	0.05	0.80	0.68	0.60	1.75	0.68	6.60	4.00	2.10	0.82	0.52	0.52	
11	0.05	0.87	0.65	0.57	1.65	0.65	6.70	3.80	2.00	0.82	0.50	0.40	
12	0.02	0.85	0.60	0.52	1.55	0.60	5.40	3.80	1.90	0.82	0.50	0.37	
13	0.05	0.85	0.57	0.68	1.50	2.80	71.35	4.50	1.80	0.80	0.47	0.35	
14	0.05	0.77	0.55	2.10	1.50	13.45	255.10	10.40	1.75	0.77	0.45	0.35	
15	0.10	0.92	0.50	2.60	1.35	18.25	84.50	9.20	1.65	0.77	0.45	0.35	
16	0.10	0.92	0.45	5.20	1.10	12.70	67.20	8.50	1.60	0.75	0.45	0.32	
17	0.07	1.80	0.45	2.90	0.98	8.60	78.10	7.10	1.50	0.75	0.45	0.32	
18	0.07	5.50	0.47	2.70	1.40	15.10	77.70	5.90	1.45	0.72	0.43	0.32	
19	0.13	10.00	0.45	5.60	2.20	17.80	81.30	5.00	1.35	0.70	0.45	0.30	
20	0.10	4.70	0.47	7.50	3.10	13.45	53.75	4.50	1.35	0.68	0.45	0.28	
21	0.07	2.45	0.47	11.50	4.10	14.35	44.75	4.30	1.35	0.68	0.43	0.28	
22	0.30	1.85	0.45	9.70	6.20	11.20	58.50	5.00	1.30	0.68	0.40	0.30	
23	0.43	1.60	0.45	8.50	4.30	16.00	56.40	4.90	1.20	0.65	0.40	0.30	
24	0.25	1.35	0.45	10.00	2.60	20.80	50.00	3.90	1.15	0.65	0.40	0.30	
25	0.20	1.90	0.45	9.70	2.05	30.30	32.50	3.30	1.10	0.62	0.40	0.28	
26	0.15	4.10	0.43	16.45	1.70	27.90	23.05	2.90	1.10	0.62	0.40	0.25	
27	0.20	7.20	0.43	17.50	1.45	19.30	19.60	2.60	1.05	0.62	0.37	0.28	
28	0.43	3.40	0.43	9.90	1.30	13.45	15.70	2.60	1.00	0.60	0.37	0.25	
29	1.40	2.50	0.40	7.10	1.10	13.75	12.85	2.60	0.98	0.60		0.28	
30	1.55	4.40	0.37	5.20	0.95	18.25	10.60	7.00	0.98	0.55		0.28	
31		3.60		4.10	0.90		9.50		0.95	0.52		0.25	
TOTAL	7.32	90.10	21.74	145.33	69.73	297.52	1178.25	166.10	60.96	23.17	12.91	10.75	2083.88 CMSDAY
MEAN	0.24	2.91	0.72	4.69	2.25	9.92	38.01	5.54	1.97	0.75	0.46	0.35	5.71 CMS
MAX	1.55	10.00	2.20	17.50	6.20	30.30	255.10	10.40	6.30	0.95	0.52	0.52	255.10 CMS
MIN	0.02	0.65	0.37	0.37	0.90	0.60	3.10	2.60	0.95	0.52	0.37	0.25	0.02 CMS
RUNOFF	0.632	7.785	1.878	12.557	6.025	25.706	101.801	14.351	5.267	2.002	1.115	0.929	180.047 MCM

MOMENTARY PEAK 444.00 CMS, AT 9.06 M (A.D), AT 24.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 6.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 524.82 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PHETCHABURI RIVER BASIN

HUAI MAE PRACHAN AT BAN SA YAI NON, PHETCHABURI (B.6)

LOCATION — LAT. 12-55-56 N., LONG. 99-47-05 E., ON LEFT BANK ABOUT 250 METERS UPSTREAM FROM THE BRIDGE OF KHUAN PHET-KAENG KRACHAN RESERVOIR ROAD, AMPHOE THA YANG, PHETCHABURI.

DRAINAGE AREA — 1,015 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDERS.

ZERO GAGE AT BOTTOM — +22.711 M.(M.S.L.)

BENCH MARK — B.M.-H.D.

LOCATION — NEAR THE AUTOMATIC GAGE BUILDING.

ELEVATION — +30.274 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1941 - 1942, 1961 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1961 - 1962, 1964 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1961 - 1962, 1964 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE.

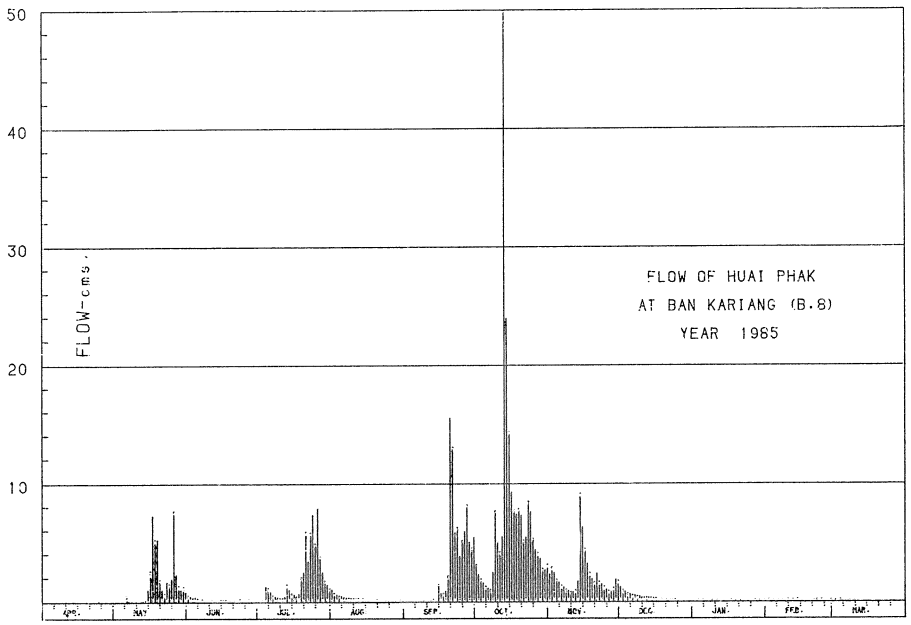
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 68 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.21	24.22	23.67	23.35	23.76	23.50	24.36	24.03	23.86	23.41	23.27	23.23	
2	23.21	24.13	23.60	23.35	23.71	23.50	24.16	24.01	23.76	23.40	23.27	23.22	
3	23.21	23.86	23.58	23.37	23.68	23.56	24.04	23.93	23.70	23.39	23.27	23.23	
4	23.21	23.70	23.58	23.37	23.75	23.51	23.96	23.89	23.66	23.39	23.27	23.24	
5	23.21	23.63	23.54	23.37	23.70	23.52	23.89	23.85	23.63	23.38	23.27	23.23	
6	23.21	23.58	23.52	23.38	23.61	23.49	23.83	23.79	23.60	23.38	23.27	23.23	
7	23.21	23.54	23.50	23.42	23.61	23.47	23.80	23.78	23.59	23.37	23.27	23.22	
8	23.14	23.51	23.47	23.42	23.59	23.46	23.78	23.74	23.58	23.36	23.27	23.23	
9	23.14	23.49	23.45	23.41	23.56	23.46	23.79	23.71	23.56	23.36	23.27	23.23	
10	23.13	23.48	23.44	23.40	23.61	23.46	24.01	23.70	23.55	23.36	23.27	23.23	
11	23.13	23.51	23.44	23.40	23.63	23.46	24.07	23.68	23.53	23.36	23.27	23.23	
12	23.13	23.48	23.44	23.39	23.62	23.48	23.96	23.66	23.52	23.36	23.26	23.23	
13	23.13	23.47	23.43	23.37	23.61	23.58	24.80	23.71	23.51	23.35	23.26	23.23	
14	23.13	23.47	23.41	23.46	23.60	24.06	27.80	24.08	23.50	23.35	23.26	23.22	
15	23.13	23.45	23.41	23.64	23.58	24.40	26.06	24.07	23.49	23.34	23.26	23.22	
16	23.13	23.54	23.40	23.84	23.56	24.37	25.58	24.02	23.48	23.32	23.26	23.21	
17	23.15	23.70	23.39	23.73	23.55	24.08	25.72	23.91	23.48	23.32	23.25	23.21	
18	23.21	23.87	23.39	23.76	23.55	24.09	25.59	23.82	23.47	23.32	23.25	23.19	
19	23.21	24.13	23.39	23.82	23.77	24.59	25.78	23.77	23.46	23.32	23.24	23.19	
20	23.21	23.88	23.39	24.04	23.83	24.18	25.31	23.74	23.46	23.32	23.24	23.18	
21	23.21	23.74	23.38	24.19	23.79	24.38	25.14	23.74	23.45	23.31	23.24	23.18	
22	23.21	23.66	23.38	24.19	23.96	24.21	25.43	23.72	23.45	23.31	23.24	23.19	
23	23.22	23.62	23.37	24.26	23.87	24.31	25.46	23.77	23.44	23.31	23.24	23.19	
24	23.22	23.60	23.37	24.21	23.74	24.47	25.43	23.70	23.44	23.31	23.24	23.19	
25	23.22	23.60	23.37	24.10	23.68	24.78	25.01	23.65	23.43	23.31	23.23	23.19	
26	23.22	23.65	23.37	24.19	23.64	24.82	24.71	23.62	23.43	23.31	23.23	23.19	
27	23.22	24.03	23.38	24.49	23.61	24.57	24.55	23.60	23.42	23.30	23.23	23.19	
28	23.25	23.80	23.38	24.19	23.58	24.34	24.39	23.59	23.42	23.28	23.23	23.19	
29	23.91	23.70	23.36	24.03	23.56	24.26	24.24	23.59	23.41	23.28		23.19	
30	23.70	23.74	23.36	23.91	23.54	24.41	24.14	23.72	23.41	23.28		23.18	
31		23.76		23.81	23.52		24.06		23.41	23.28		23.18	
MEAN	23.23	23.70	23.44	23.74	23.66	23.99	24.74	23.79	23.52	23.34	23.26	23.21	
MAX	23.91	24.22	23.67	24.49	23.96	24.82	27.80	24.08	23.86	23.41	23.27	23.24	27.80
MIN	23.13	23.45	23.36	23.35	23.52	23.46	23.78	23.59	23.41	23.28	23.23	23.18	23.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 28.40 M (MSL), AT 6.00 HOURS, ON OCT 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 22.71 M (MSL), RIVER BED 22.08 M (MSL)
LEFT BANK ELEVATION 32.73 M (MSL)
RIGHT BANK ELEVATION 32.83 M (MSL), DRAINAGE AREA 1015 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.58	0.16	1.06	0.14	3.18	2.34	1.25	0.16	0.18	0.16	
2	0.00	0.00	0.46	0.16	0.78	0.14	2.34	2.94	1.02	0.16	0.18	0.12	
3	0.00	0.00	0.38	0.20	0.61	0.14	1.95	2.46	0.86	0.16	0.16	0.16	
4	0.00	0.00	0.40	1.30	0.55	0.12	1.60	1.90	0.74	0.14	0.18	0.18	
5	0.00	0.00	0.32	1.20	0.49	0.10	1.35	1.65	0.64	0.14	0.18	0.18	
6	0.00	0.61	0.28	0.82	0.40	0.10	1.15	1.40	0.58	0.14	0.18	0.18	
7	0.00	0.16	0.26	0.58	0.36	0.10	1.06	1.25	0.55	0.14	0.16	0.14	
8	0.00	0.06	0.22	0.46	0.36	0.10	2.52	1.06	0.49	0.14	0.18	0.14	
9	0.00	0.12	0.20	0.38	0.34	0.12	7.70	0.94	0.46	0.12	0.20	0.16	
10	0.00	0.06	0.20	0.34	0.32	0.10	4.96	0.86	0.36	0.12	0.22	0.12	
11	0.00	0.04	0.20	0.32	0.32	0.08	4.24	0.82	0.36	0.12	0.20	0.12	
12	0.00	0.08	0.20	0.43	0.32	0.14	5.52	1.02	0.38	0.14	0.18	0.12	
13	0.00	0.12	0.20	1.50	0.32	0.22	51.25	1.75	0.36	0.14	0.20	0.08	
14	0.00	0.12	0.20	1.02	0.30	0.16	23.97	9.15	0.36	0.14	0.24	0.06	
15	0.00	1.02	0.20	0.74	0.28	1.75	14.37	6.32	0.32	0.18	0.22	0.04	
16	0.00	2.64	0.20	0.61	0.28	0.70	9.28	4.48	0.30	0.18	0.18	0.04	
17	0.00	7.30	0.18	0.49	0.26	0.74	7.80	3.24	0.28	0.16	0.20	0.00	
18	0.00	5.28	0.16	0.67	0.22	0.90	7.40	2.46	0.24	0.12	0.18	0.00	
19	0.00	5.28	0.16	2.10	0.24	2.22	7.90	1.95	0.22	0.08	0.18	0.00	
20	0.00	1.90	0.16	2.52	0.22	15.56	7.30	1.70	0.20	0.06	0.14	0.00	
21	0.00	1.02	0.18	5.96	0.20	13.08	5.20	2.40	0.20	0.12	0.18	0.00	
22	0.00	0.74	0.22	3.44	0.22	5.87	5.44	1.70	0.20	0.16	0.18	0.00	
23	0.00	1.70	0.26	5.87	0.20	6.32	8.50	1.50	0.20	0.16	0.20	0.00	
24	0.20	1.55	0.26	7.40	0.18	3.86	7.60	1.30	0.20	0.16	0.20	0.00	
25	0.00	1.95	0.24	4.96	0.16	5.20	5.36	1.06	0.18	0.14	0.18	0.00	
26	0.00	7.70	0.24	7.90	0.16	5.96	4.40	0.94	0.14	0.16	0.18	0.00	
27	0.00	2.34	0.24	3.86	0.16	8.20	4.16	0.82	0.14	0.14	0.18	0.00	
28	0.00	1.40	0.20	2.52	0.16	5.04	3.65	1.20	0.18	0.12	0.16	0.00	
29	0.00	1.02	0.18	1.80	0.16	4.56	2.82	1.90	0.16	0.12		0.00	
30	0.00	1.30	0.16	1.45	0.16	5.44	2.70	1.80	0.16	0.12		0.00	
31		0.82		1.15	0.14		3.18		0.16	0.16		0.00	
TOTAL	0.20	46.33	7.34	62.31	9.93	87.16	219.85	64.31	11.89	4.30	5.20	2.00	520.82 CMSDAY
MEAN	0.01	1.49	0.24	2.01	0.32	2.91	7.09	2.14	0.38	0.14	0.19	0.06	1.43 CMS
MAX	0.20	7.70	0.58	7.90	1.06	15.56	51.25	9.15	1.25	0.18	0.24	0.18	51.25 CMS
MIN	0.00	0.00	0.16	0.16	0.14	0.08	1.06	0.82	0.14	0.06	0.14	0.00	0.00 CMS
RUNOFF	0.017	4.003	0.634	5.384	0.858	7.531	18.995	5.556	1.027	0.372	0.449	0.173	44.999 MCM

MOMENTARY PEAK 89.52 CMS, AT 5.78 M (A.D), AT 9.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 5.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 339.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

PHETCHABURI RIVER BASIN

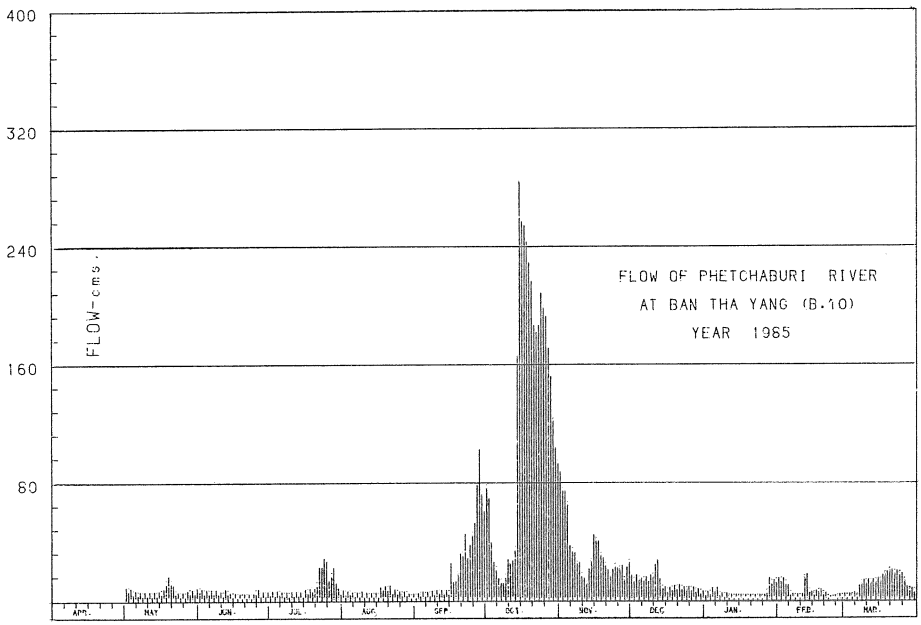
PHETCHABURI RIVER AT BAN THA YANG, PHETCHABURI (B.10)

LOCATION	LAT. 12-58-24 N., LONG. 99-53-10 E., ON LEFT BANK AT THE BRIDGE OF BAN THA YANG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	4,111 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 2.00 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.443 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	1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1985 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STREAM GAGING BEGAN ON MAY 1, 1985. STAGE-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	1.60	1.58	1.44	1.47	1.30	4.39	4.68	2.02	1.39	1.91	1.27	
2	*******	1.60	1.52	1.42	1.45	1.32	4.08	4.32	1.93	1.38	1.93	1.27	
3	*******	1.55	1.49	1.38	1.41	1.38	3.10	4.25	2.03	1.43	1.91	1.28	
4	*******	1.47	1.49	1.43	1.46	1.39	2.46	4.00	1.97	1.54	1.83	1.29	
5	*******	1.44	1.48	1.46	1.36	1.38	2.32	2.91	1.91	1.56	1.66	1.34	
6	*******	1.42	1.48	1.38	1.38	1.38	1.91	2.85	1.95	1.56	1.39	1.26	
7	*******	1.40	1.48	1.37	1.36	1.40	1.89	2.73	1.96	1.35	1.25	1.65	
8	*******	1.39	1.48	1.37	1.35	1.42	1.74	2.48	1.93	1.30	1.24	1.84	
9	*******	1.39	1.48	1.37	1.41	1.44	2.06	2.45	2.03	1.31	1.24	1.85	
10	*******	1.39	1.40	1.39	1.32	1.46	2.54	2.09	2.07	1.31	1.24	1.86	
11	*******	1.39	1.40	1.40	1.35	1.46	2.55	1.92	2.37	1.22	1.24	1.87	
12	*******	1.38	1.50	1.39	1.34	1.46	2.51	1.82	2.60	1.21	2.01	1.87	
13	*******	1.40	1.48	1.41	1.34	1.46	2.89	2.23	1.90	1.21	2.06	1.87	
14	*******	1.40	1.34	1.38	1.35	1.45	6.72	2.55	1.66	1.21	1.51	1.89	
15	*******	1.42	1.36	1.38	1.35	1.45	8.11	3.21	1.59	1.21	1.37	1.92	
16	*******	1.48	1.33	1.49	1.34	2.43	7.89	3.13	1.53	1.21	1.38	1.92	
17	*******	1.52	1.32	1.51	1.59	1.93	7.89	3.04	1.57	1.20	1.42	2.02	
18	*******	1.87	1.30	1.53	1.66	1.81	7.77	2.72	1.61	1.20	1.49	2.13	
19	*******	2.00	1.30	1.61	1.65	2.17	7.65	2.58	1.65	1.20	1.48	2.14	
20	*******	1.88	1.30	1.54	1.65	2.70	7.49	2.44	1.66	1.20	1.40	2.26	
21	*******	1.68	1.32	1.81	1.67	2.75	7.12	2.20	1.69	1.20	1.32	2.20	
22	*******	1.46	1.30	2.30	1.51	3.23	7.01	2.08	1.65	1.20	1.19	2.18	
23	*******	1.36	1.30	2.45	1.49	2.68	7.12	2.21	1.60	1.20	1.10	2.17	
24	*******	1.36	1.30	2.57	1.47	2.94	7.39	2.41	1.59	1.20	1.13	2.14	
25	*******	1.36	1.49	2.62	1.40	3.28	7.28	2.26	1.60	1.20	1.17	2.07	
26	*******	1.36	1.50	1.84	1.40	3.53	7.17	2.32	1.59	1.20	1.22	1.92	
27	*******	1.44	1.39	2.11	1.40	4.44	6.86	2.35	1.58	1.46	1.23	1.60	
28	*******	1.51	1.39	2.28	1.41	5.13	6.44	1.95	1.53	1.92	1.26	1.57	
29	*******	1.48	1.40	1.87	1.29	4.23	5.73	2.29	1.50	1.85		1.53	
30	*******	1.49	1.39	1.55	1.27	3.79	5.16	2.53	1.47	1.85		1.52	
31		1.55		1.48	1.30		4.92		1.40	1.90		1.53	
MEAN	*******	1.50	1.41	1.66	1.43	2.27	5.17	2.70	1.78	1.37	1.45	1.78	
MAX	*******	2.00	1.58	2.62	1.67	5.13	8.11	4.68	2.60	1.92	2.06	2.26	8.11
MIN	*******	1.36	1.30	1.37	1.27	1.30	1.74	1.82	1.40	1.20	1.10	1.26	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.32 M (A.D), AT 6.00 HOURS, ON OCT 15, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.38 M (A.D)
LEFT BANK ELEVATION 9.07 M (A.D)
RIGHT BANK ELEVATION 9.16 M (A.D), DRAINAGE AREA 4111 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	9.50	9.20	7.10	7.55	5.00	78.70	87.40	17.40	6.35	15.20	4.70	
2	*******	9.50	8.30	6.80	7.25	5.30	69.40	76.60	15.60	6.20	15.60	4.70	
3	*******	8.75	7.85	6.20	6.65	6.20	42.00	74.50	17.60	6.95	15.20	4.80	
4	*******	7.55	7.85	6.95	7.40	6.35	26.20	67.00	16.40	8.60	13.60	4.90	
5	*******	7.10	7.70	7.40	5.90	6.20	23.40	37.25	15.20	8.90	10.40	5.60	
6	*******	6.80	7.70	6.20	6.20	6.20	15.20	35.75	16.00	8.90	6.35	4.60	
7	*******	6.50	7.70	6.05	5.90	6.50	14.80	32.75	16.20	5.75	4.50	10.25	
8	*******	6.35	7.70	6.05	5.75	6.80	11.80	26.60	15.60	5.00	4.40	13.80	
9	*******	6.35	7.70	6.05	6.65	7.10	18.20	26.00	17.60	5.15	4.40	14.00	
10	*******	6.35	6.50	6.35	5.30	7.40	28.00	18.80	18.40	5.15	4.40	14.20	
11	*******	6.35	6.50	6.50	5.75	7.40	28.25	15.40	24.40	4.20	4.40	14.40	
12	*******	6.20	8.00	6.35	5.60	7.40	27.25	13.40	29.50	4.10	17.20	14.40	
13	*******	6.50	7.70	6.65	5.60	7.40	36.75	21.60	15.00	4.10	18.20	14.40	
14	*******	6.50	5.60	6.20	5.75	7.25	165.60	28.25	10.40	4.10	8.15	14.80	
15	*******	6.80	5.90	6.20	5.75	7.25	285.40	44.75	9.35	4.10	6.05	15.40	
16	*******	7.70	5.45	7.85	5.60	25.60	256.80	42.75	8.45	4.10	6.20	15.40	
17	*******	8.30	5.30	8.15	9.35	15.60	256.80	40.50	9.05	4.00	6.80	17.40	
18	*******	14.40	5.00	8.45	10.40	13.20	243.00	32.50	9.65	4.00	7.85	19.60	
19	*******	17.00	5.00	9.65	10.25	20.40	231.00	29.00	10.25	4.00	7.70	19.80	
20	*******	14.60	5.00	8.60	10.25	32.00	216.22	25.80	10.40	4.00	6.50	22.20	
21	*******	10.70	5.30	13.20	10.55	33.25	188.90	21.00	10.85	4.00	5.30	21.00	
22	*******	7.40	5.00	23.00	8.15	45.25	181.65	18.60	10.25	4.00	3.90	20.60	
23	*******	5.90	5.00	26.00	7.85	31.50	188.90	21.20	9.50	4.00	3.00	20.40	
24	*******	5.90	5.00	28.75	7.55	38.00	208.47	25.20	9.35	4.00	3.30	19.80	
25	*******	5.90	7.85	30.00	6.50	46.50	200.10	22.20	9.50	4.00	3.70	18.40	
26	*******	5.90	8.00	13.80	6.50	52.90	192.40	23.40	9.35	4.00	4.20	15.40	
27	*******	7.10	6.35	19.20	6.50	80.20	173.30	24.00	9.20	7.40	4.30	9.50	
28	*******	8.15	6.35	22.60	6.65	102.55	151.80	16.00	8.45	15.40	4.60	9.05	
29	*******	7.70	6.50	14.40	4.90	73.90	123.55	22.80	8.00	14.00		8.45	
30	*******	7.85	6.35	8.75	4.70	60.70	103.60	27.75	7.55	14.00		8.30	
31		8.75		7.70	5.00		95.20		6.50	15.00		8.45	
TOTAL	*******	250.35	199.35	347.15	213.70	771.30	3882.64	998.75	400.95	197.45	215.40	408.70	******** CMSDAY
MEAN	*******	8.08	6.65	11.20	6.89	25.71	125.25	33.29	12.93	6.37	7.69	13.18	******** CMS
MAX	*******	17.00	9.20	30.00	10.55	102.55	285.40	87.40	29.50	15.40	18.20	22.20	285.40 CMS
MIN	*******	5.90	5.00	6.05	4.70	5.00	11.80	13.40	6.50	4.00	3.00	4.60	******** CMS
RUNOFF	*******	21.630	17.224	29.994	18.464	66.640	335.460	86.292	34.642	17.060	18.611	35.312	******** MCM

MOMENTARY PEAK 317.20 CMS, AT 8.32 M (A.D), AT 6.00 HOURS, ON OCT 15, 1985

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 77.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

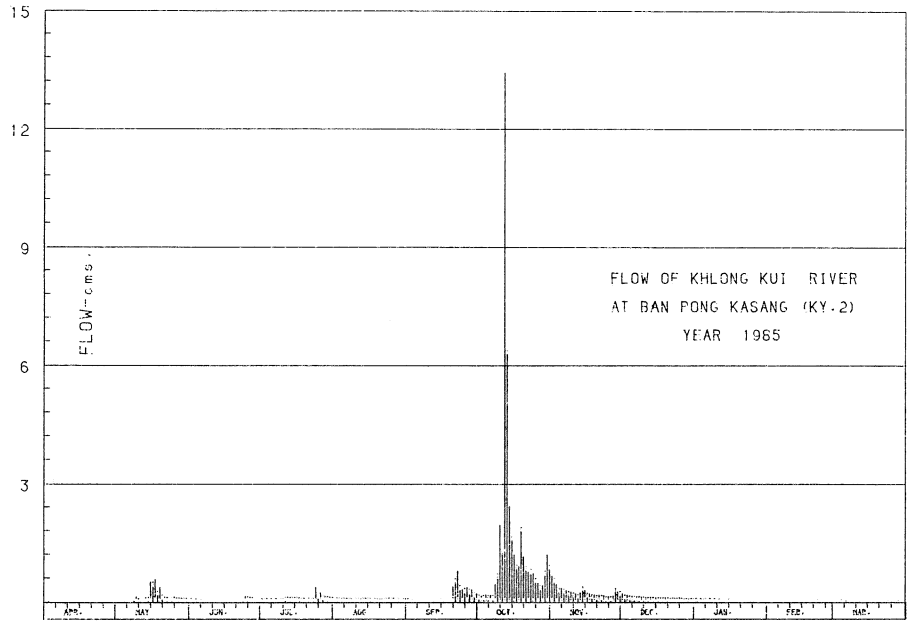
KHLONG KUI AT BAN PONG KASANG, PRACHUAP KHIRI KHAN (KY.2)

LOCATION	LAT. 12-06-55 N., LONG. 99-44-20 E., ON RIGHT BANK AT THE CULVERT OF THE LEFT IRRIGATION CANAL OF YANG CHUM PROJECT, BAN PONG KASANG, TAMBON HAT KHAM,AMPHOE KUI BURI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	92 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE MEASURING LINE.
ELEVATION	+7.405 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 150 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.12	0.20	0.20	0.22	0.20	0.29	0.49	0.31	0.20	0.18	0.17	
2	0.12	0.12	0.19	0.20	0.22	0.19	0.26	0.47	0.29	0.20	0.18	0.16	
3	0.11	0.12	0.19	0.20	0.22	0.19	0.28	0.42	0.28	0.20	0.18	0.16	
4	0.11	0.12	0.18	0.20	0.21	0.19	0.29	0.38	0.27	0.20	0.18	0.16	
5	0.10	0.12	0.18	0.20	0.21	0.19	0.28	0.38	0.26	0.20	0.18	0.16	
6	0.09	0.11	0.18	0.20	0.21	0.19	0.28	0.37	0.26	0.20	0.18	0.16	
7	0.09	0.11	0.18	0.20	0.21	0.19	0.28	0.35	0.25	0.20	0.18	0.16	
8	0.08	0.19	0.18	0.20	0.20	0.19	0.42	0.34	0.25	0.20	0.18	0.16	
9	0.07	0.24	0.18	0.20	0.20	0.19	0.51	0.33	0.24	0.20	0.18	0.16	
10	0.06	0.20	0.18	0.20	0.21	0.19	0.76	0.32	0.24	0.19	0.18	0.16	
11	0.05	0.18	0.18	0.23	0.20	0.19	0.65	0.31	0.23	0.19	0.18	0.16	
12	0.05	0.18	0.18	0.24	0.20	0.19	1.64	0.30	0.23	0.19	0.18	0.16	
13	0.04	0.22	0.18	0.23	0.21	0.19	1.22	0.32	0.23	0.19	0.17	0.16	
14	0.03	0.23	0.18	0.23	0.21	0.19	0.83	0.40	0.23	0.19	0.17	0.16	
15	0.02	0.44	0.18	0.23	0.21	0.19	0.71	0.35	0.22	0.19	0.17	0.16	
16	0.01	0.44	0.18	0.23	0.21	0.19	0.63	0.32	0.22	0.19	0.17	0.16	
17	0.00	0.46	0.18	0.22	0.20	0.19	0.57	0.31	0.22	0.19	0.17	0.16	
18	0.00	0.34	0.18	0.21	0.20	0.18	0.56	0.30	0.22	0.19	0.17	0.16	
19	0.00	0.39	0.18	0.21	0.20	0.19	0.75	0.29	0.22	0.19	0.17	0.16	
20	0.00	0.29	0.18	0.21	0.19	0.40	0.62	0.28	0.22	0.19	0.17	0.16	
21	0.00	0.24	0.18	0.21	0.20	0.47	0.56	0.28	0.21	0.19	0.17	0.16	
22	0.00	0.23	0.19	0.21	0.21	0.53	0.52	0.28	0.21	0.19	0.17	0.16	
23	0.00	0.21	0.22	0.21	0.21	0.41	0.54	0.27	0.21	0.19	0.17	0.16	
24	0.07	0.22	0.25	0.39	0.21	0.36	0.51	0.25	0.21	0.19	0.17	0.16	
25	0.12	0.24	0.25	0.32	0.21	0.38	0.47	0.25	0.22	0.18	0.17	0.16	
26	0.09	0.22	0.24	0.32	0.21	0.39	0.43	0.25	0.21	0.18	0.17	0.16	
27	0.08	0.22	0.23	0.28	0.20	0.37	0.41	0.26	0.20	0.18	0.17	0.16	
28	0.09	0.21	0.22	0.26	0.21	0.36	0.41	0.38	0.20	0.18	0.17	0.16	
29	0.09	0.21	0.21	0.25	0.20	0.33	0.53	0.33	0.20	0.18		0.16	
30	0.11	0.21	0.21	0.24	0.20	0.31	0.63	0.34	0.20	0.18		0.16	
31		0.20		0.23	0.20		0.57		0.20	0.18		0.16	
MEAN	0.06	0.23	0.19	0.23	0.21	0.26	0.56	0.33	0.23	0.19	0.17	0.16	
MAX	0.12	0.46	0.25	0.39	0.22	0.53	1.64	0.49	0.31	0.20	0.18	0.17	1.64
MIN	0.00	0.11	0.18	0.20	0.19	0.18	0.26	0.25	0.20	0.18	0.17	0.16	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.71 M (A.D), AT 18.00 HOURS, ON OCT 12, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 5.25 M (A.D)
RIGHT BANK ELEVATION 7.17 M (A.D), DRAINAGE AREA 92 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.02	0.10	0.10	0.12	0.10	0.19	0.67	0.22	0.10	0.08	0.07	
2	0.02	0.02	0.09	0.10	0.12	0.09	0.16	0.61	0.19	0.10	0.08	0.06	
3	0.01	0.02	0.09	0.10	0.12	0.09	0.18	0.46	0.18	0.10	0.08	0.06	
4	0.01	0.02	0.08	0.10	0.11	0.09	0.19	0.36	0.17	0.10	0.08	0.06	
5	0.00	0.02	0.08	0.10	0.11	0.09	0.18	0.36	0.16	0.10	0.08	0.06	
6	0.00	0.01	0.08	0.10	0.11	0.09	0.18	0.34	0.16	0.10	0.08	0.06	
7	0.00	0.01	0.08	0.10	0.11	0.09	0.18	0.30	0.15	0.10	0.08	0.06	
8	0.00	0.09	0.08	0.10	0.10	0.09	0.46	0.28	0.15	0.10	0.08	0.06	
9	0.00	0.14	0.08	0.10	0.10	0.09	0.73	0.26	0.14	0.10	0.08	0.06	
10	0.00	0.10	0.08	0.10	0.11	0.09	1.96	0.24	0.14	0.09	0.08	0.06	
11	0.00	0.08	0.08	0.13	0.10	0.09	1.32	0.22	0.13	0.09	0.08	0.06	
12	0.00	0.08	0.08	0.14	0.10	0.09	13.44	0.20	0.13	0.09	0.08	0.06	
13	0.00	0.12	0.08	0.13	0.11	0.09	6.38	0.24	0.13	0.09	0.07	0.06	
14	0.00	0.13	0.08	0.13	0.11	0.09	2.44	0.40	0.13	0.09	0.07	0.06	
15	0.00	0.52	0.08	0.13	0.11	0.09	1.66	0.30	0.12	0.09	0.07	0.06	
16	0.00	0.52	0.08	0.13	0.11	0.09	1.21	0.24	0.12	0.09	0.07	0.06	
17	0.00	0.58	0.08	0.12	0.10	0.09	0.94	0.22	0.12	0.09	0.07	0.06	
18	0.00	0.28	0.08	0.11	0.10	0.08	0.91	0.20	0.12	0.09	0.07	0.06	
19	0.00	0.38	0.08	0.11	0.10	0.09	1.90	0.19	0.12	0.09	0.07	0.06	
20	0.00	0.19	0.08	0.11	0.09	0.40	1.16	0.18	0.12	0.09	0.07	0.06	
21	0.00	0.14	0.08	0.11	0.10	0.61	0.91	0.18	0.11	0.09	0.07	0.06	
22	0.00	0.13	0.09	0.11	0.11	0.80	0.77	0.18	0.11	0.09	0.07	0.06	
23	0.00	0.11	0.12	0.11	0.11	0.43	0.84	0.17	0.11	0.09	0.07	0.06	
24	0.00	0.12	0.15	0.38	0.11	0.32	0.73	0.15	0.11	0.09	0.07	0.06	
25	0.02	0.14	0.15	0.24	0.11	0.36	0.61	0.15	0.12	0.08	0.07	0.06	
26	0.00	0.12	0.14	0.24	0.11	0.38	0.49	0.15	0.11	0.08	0.07	0.06	
27	0.00	0.12	0.13	0.18	0.10	0.34	0.43	0.16	0.10	0.08	0.07	0.06	
28	0.00	0.11	0.12	0.16	0.11	0.32	0.43	0.36	0.10	0.08	0.07	0.06	
29	0.00	0.11	0.11	0.15	0.10	0.26	0.80	0.26	0.10	0.08		0.06	
30	0.01	0.11	0.11	0.14	0.10	0.22	1.21	0.28	0.10	0.08		0.06	
31		0.10		0.13	0.10		0.94		0.10	0.08		0.06	
TOTAL	0.09	4.64	2.84	4.19	3.30	6.15	43.93	8.31	4.07	2.81	2.08	1.87	84.28 CMSDAY
MEAN	0.00	0.15	0.09	0.14	0.11	0.21	1.42	0.28	0.13	0.09	0.07	0.06	0.23 CMS
MAX	0.02	0.58	0.15	0.38	0.12	0.80	13.44	0.67	0.22	0.10	0.08	0.07	13.44 CMS
MIN	0.00	0.01	0.08	0.10	0.09	0.08	0.16	0.15	0.10	0.08	0.07	0.06	0.00 CMS
RUNOFF	0.008	0.401	0.245	0.362	0.285	0.531	3.796	0.718	0.352	0.243	0.180	0.162	7.282 MCM

MOMENTARY PEAK 45.95 CMS, AT 2.71 M (A.D), AT 18.00 HOURS, ON OCT 12, 1985

RUNOFF YIELD 2.51 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 499.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

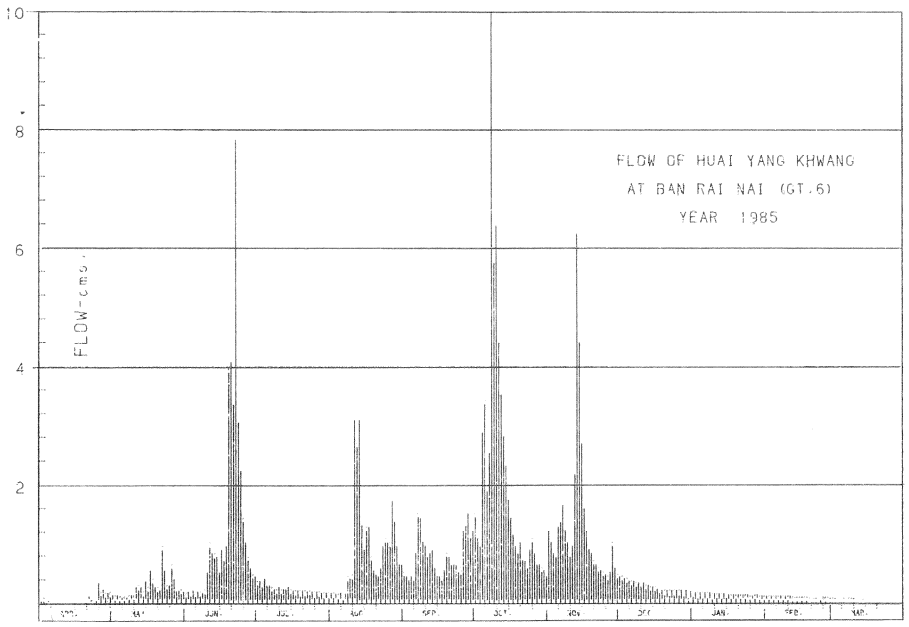
HUAI YANG KHWANG AT BAN RAI NAI, PRACHUAP KHIRI KHAN (GT.6)

LOCATION	LAT. 11-10-31 N., LONG. 99-21-27 E., ON LEFT BANK AT BAN RAI NAI, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	37 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE METEOROLOGICAL STATION.
ELEVATION	+15.345 M.(A.D.)
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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 130 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.55	0.57	0.64	0.57	0.68	0.84	0.80	0.66	0.58	0.54	0.52	
2	0.53	0.55	0.58	0.64	0.57	0.66	0.78	0.78	0.66	0.57	0.54	0.52	
3	0.51	0.55	0.58	0.63	0.56	0.66	0.77	0.74	0.65	0.57	0.54	0.52	
4	0.50	0.54	0.59	0.65	0.56	0.66	1.00	0.74	0.65	0.57	0.54	0.52	
5	0.49	0.53	0.58	0.64	0.57	0.66	1.05	0.81	0.64	0.57	0.54	0.52	
6	0.49	0.54	0.58	0.62	0.56	0.74	0.89	0.83	0.64	0.57	0.54	0.52	
7	0.48	0.53	0.58	0.61	0.56	0.84	0.97	0.86	0.64	0.57	0.54	0.52	
8	0.48	0.55	0.57	0.60	0.66	0.83	1.58	0.81	0.63	0.57	0.54	0.52	
9	0.48	0.55	0.60	0.60	0.65	0.78	1.24	0.77	0.63	0.56	0.54	0.52	
10	0.48	0.55	0.68	0.61	0.67	0.76	1.28	0.74	0.63	0.56	0.54	0.52	
11	0.47	0.61	0.77	0.60	1.02	0.74	1.14	0.76	0.63	0.56	0.54	0.51	
12	0.47	0.62	0.74	0.60	0.98	0.74	1.06	0.93	0.62	0.56	0.53	0.51	
13	0.46	0.61	0.74	0.62	1.02	0.76	1.00	1.27	0.62	0.56	0.53	0.51	
14	0.46	0.58	0.73	0.61	0.82	0.70	0.94	1.14	0.61	0.56	0.53	0.51	
15	0.45	0.64	0.70	0.60	0.75	0.68	0.88	0.98	0.61	0.56	0.53	0.51	
16	0.45	0.61	0.75	0.59	0.81	0.66	0.83	0.86	0.61	0.55	0.53	0.51	
17	0.45	0.69	0.73	0.59	0.81	0.66	0.80	0.80	0.60	0.55	0.53	0.51	
18	0.45	0.65	0.76	0.59	0.73	0.69	0.76	0.76	0.60	0.55	0.53	0.51	
19	0.47	0.61	1.10	0.59	0.69	0.74	0.75	0.74	0.59	0.55	0.52	0.51	
20	0.51	0.61	1.11	0.59	0.69	0.73	0.77	0.72	0.59	0.55	0.52	0.51	
21	0.54	0.59	1.05	0.59	0.66	0.72	0.73	0.71	0.59	0.55	0.52	0.51	
22	0.51	0.76	1.37	0.58	0.71	0.71	0.72	0.70	0.59	0.55	0.52	0.50	
23	0.49	0.69	1.02	0.59	0.76	0.72	0.71	0.69	0.59	0.55	0.52	0.50	
24	0.53	0.62	0.93	0.58	0.78	0.68	0.75	0.68	0.59	0.55	0.53	0.50	
25	0.63	0.62	0.83	0.58	0.77	0.69	0.78	0.67	0.59	0.54	0.53	0.50	
26	0.58	0.71	0.77	0.58	0.77	0.80	0.74	0.66	0.59	0.54	0.53	0.50	
27	0.60	0.65	0.73	0.58	0.87	0.82	0.72	0.68	0.59	0.55	0.53	0.50	
28	0.57	0.61	0.70	0.57	0.83	0.84	0.71	0.77	0.59	0.55	0.52	0.50	
29	0.57	0.59	0.67	0.57	0.76	0.79	0.70	0.70	0.59	0.54		0.50	
30	0.58	0.60	0.66	0.57	0.72	0.80	0.69	0.67	0.58	0.54		0.50	
31		0.58		0.57	0.71		0.68		0.58	0.54		0.50	
MEAN	0.51	0.60	0.76	0.60	0.73	0.73	0.88	0.79	0.61	0.56	0.53	0.51	
MAX	0.63	0.76	1.37	0.65	1.02	0.84	1.58	1.27	0.66	0.58	0.54	0.52	1.58
MIN	0.45	0.53	0.57	0.57	0.56	0.66	0.68	0.66	0.58	0.54	0.52	0.50	0.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.85 M (A.D), AT 17.00 HOURS, ON OCT 10, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.38 M (A.D)
LEFT BANK ELEVATION 15.27 M (A.D)
RIGHT BANK ELEVATION 6.46 M (A.D), DRAINAGE AREA 37 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.14	0.18	0.38	0.18	0.53	1.52	1.22	0.46	0.20	0.12	0.08	
2	0.10	0.14	0.20	0.38	0.18	0.46	1.10	1.10	0.46	0.18	0.12	0.08	
3	0.06	0.14	0.20	0.35	0.16	0.46	1.03	0.85	0.42	0.18	0.12	0.08	
4	0.04	0.12	0.22	0.42	0.16	0.46	2.88	0.85	0.42	0.18	0.12	0.08	
5	0.04	0.10	0.20	0.38	0.18	0.46	3.42	1.29	0.38	0.18	0.12	0.08	
6	0.04	0.12	0.20	0.31	0.16	0.85	1.89	1.44	0.38	0.18	0.12	0.08	
7	0.03	0.10	0.20	0.28	0.16	1.52	2.60	1.66	0.38	0.18	0.12	0.08	
8	0.03	0.14	0.18	0.24	0.46	1.44	11.71	1.29	0.35	0.18	0.12	0.08	
9	0.03	0.14	0.24	0.24	0.42	1.10	5.79	1.03	0.35	0.16	0.12	0.08	
10	0.03	0.14	0.53	0.28	0.49	0.97	6.38	0.85	0.35	0.16	0.12	0.08	
11	0.03	0.28	1.03	0.24	3.10	0.85	4.46	0.97	0.35	0.16	0.12	0.06	
12	0.03	0.31	0.85	0.24	2.70	0.85	3.53	2.24	0.31	0.16	0.10	0.06	
13	0.02	0.28	0.85	0.31	3.10	0.97	2.88	6.24	0.31	0.16	0.10	0.06	
14	0.02	0.20	0.79	0.28	1.37	0.60	2.33	4.46	0.28	0.16	0.10	0.06	
15	0.02	0.38	0.60	0.24	0.91	0.53	1.81	2.70	0.28	0.16	0.10	0.06	
16	0.02	0.28	0.91	0.22	1.29	0.46	1.44	1.66	0.28	0.14	0.10	0.06	
17	0.02	0.56	0.79	0.22	1.29	0.46	1.22	1.22	0.24	0.14	0.10	0.06	
18	0.02	0.42	0.97	0.22	0.79	0.56	0.97	0.97	0.24	0.14	0.10	0.06	
19	0.03	0.28	3.96	0.22	0.56	0.85	0.91	0.85	0.22	0.14	0.08	0.06	
20	0.06	0.28	4.08	0.22	0.56	0.79	1.03	0.72	0.22	0.14	0.08	0.06	
21	0.12	0.22	3.42	0.22	0.46	0.72	0.79	0.66	0.22	0.14	0.08	0.06	
22	0.06	0.97	7.83	0.20	0.66	0.66	0.72	0.60	0.22	0.14	0.08	0.04	
23	0.04	0.56	3.10	0.22	0.97	0.72	0.66	0.56	0.22	0.14	0.08	0.04	
24	0.10	0.31	2.24	0.20	1.10	0.53	0.91	0.53	0.22	0.14	0.10	0.04	
25	0.35	0.31	1.44	0.20	1.03	0.56	1.10	0.49	0.22	0.12	0.10	0.04	
26	0.20	0.66	1.03	0.20	1.03	1.22	0.85	0.46	0.22	0.12	0.10	0.04	
27	0.24	0.42	0.79	0.20	1.74	1.37	0.72	0.53	0.22	0.14	0.10	0.04	
28	0.18	0.28	0.60	0.18	1.44	1.52	0.66	1.03	0.22	0.14	0.08	0.04	
29	0.18	0.22	0.49	0.18	0.97	1.16	0.60	0.60	0.22	0.12		0.04	
30	0.20	0.24	0.46	0.18	0.72	1.22	0.56	0.49	0.20	0.12		0.04	
31		0.20		0.18	0.66		0.53		0.20	0.12		0.04	
TOTAL	2.38	8.94	38.58	7.83	29.00	24.85	67.00	39.56	9.06	4.72	2.90	1.86	236.68 CMSDAY
MEAN	0.08	0.29	1.29	0.25	0.94	0.83	2.16	1.32	0.29	0.15	0.10	0.06	0.65 CMS
MAX	0.35	0.97	7.83	0.42	3.10	1.52	11.71	6.24	0.46	0.20	0.12	0.08	11.71 CMS
MIN	0.02	0.10	0.18	0.18	0.16	0.46	0.53	0.46	0.20	0.12	0.08	0.04	0.02 CMS
RUNOFF	0.206	0.772	3.333	0.677	2.506	2.147	5.789	3.418	0.783	0.408	0.251	0.161	20.449 MCM

MOMENTARY PEAK 17.76 CMS, AT 1.85 M (A.D), AT 17.00 HOURS, ON OCT 10, 1985

RUNOFF YIELD 17.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 480.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

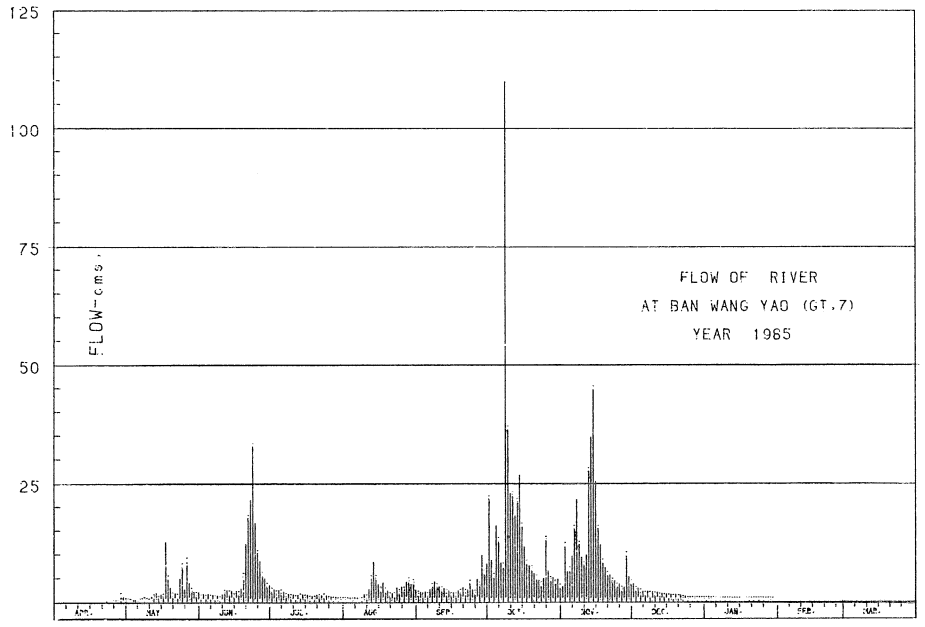
KHLONG BANG SAPHAN YAI AT BAN WANG YAO, PRACHUAP KHIRI KHAN.(GT.7)

LOCATION	LAT. 11-14-02 N., LONG. 99-26-35 E., ON LEFT BANK NEAR THE BRIDGE OF PHET KASEM HIGHWAY AT BAN WANG YAO, TAMBON RON THONG, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	346 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.084 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
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 43 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.97	1.36	1.45	1.55	1.40	1.51	2.44	1.56	1.59	1.40	1.32	1.15	
2	1.03	1.35	1.46	1.53	1.39	1.49	1.87	2.04	1.56	1.40	1.31	1.15	
3	1.03	1.33	1.45	1.52	1.38	1.48	1.72	1.74	1.54	1.39	1.28	1.15	
4	1.08	1.30	1.46	1.52	1.38	1.50	2.20	1.80	1.53	1.39	1.25	1.12	
5	1.05	1.28	1.45	1.53	1.39	1.49	2.09	1.91	1.50	1.39	1.26	1.10	
6	1.01	1.26	1.44	1.50	1.38	1.53	1.84	2.20	1.50	1.38	1.11	0.98	
7	0.95	1.38	1.44	1.48	1.38	1.60	1.84	2.41	1.50	1.38	1.10	0.95	
8	0.89	1.41	1.43	1.46	1.40	1.62	4.32	2.05	1.50	1.38	1.09	0.89	
9	0.84	1.38	1.42	1.46	1.45	1.60	2.92	1.90	1.49	1.38	1.08	0.95	
10	0.79	1.36	1.45	1.45	1.45	1.56	2.46	1.85	1.49	1.38	1.15	0.99	
11	0.74	1.41	1.53	1.44	1.53	1.56	2.47	1.92	1.48	1.38	1.14	1.04	
12	0.70	1.46	1.52	1.44	1.70	1.54	2.28	2.65	1.47	1.37	1.12	1.08	
13	0.70	1.48	1.52	1.47	1.85	1.53	2.42	2.85	1.46	1.37	1.11	1.13	
14	0.70	1.43	1.51	1.45	1.70	1.51	2.60	3.15	1.46	1.37	1.13	1.11	
15	0.70	1.45	1.48	1.45	1.59	1.49	2.22	2.55	1.45	1.37	1.10	1.13	
16	0.70	1.47	1.51	1.44	1.56	1.48	2.00	2.20	1.45	1.35	1.09	1.13	
17	0.74	2.05	1.51	1.43	1.61	1.48	1.87	2.02	1.44	1.35	1.06	1.13	
18	0.78	1.70	1.54	1.42	1.55	1.51	1.81	1.88	1.44	1.37	1.03	1.13	
19	0.92	1.55	1.73	1.43	1.51	1.53	1.81	1.79	1.44	1.38	1.01	1.12	
20	1.02	1.49	2.03	1.44	1.49	1.55	1.72	1.74	1.44	1.37	1.01	1.11	
21	1.03	1.47	2.29	1.46	1.47	1.53	1.70	1.70	1.43	1.38	0.91	1.08	
22	1.18	1.47	2.41	1.43	1.49	1.52	1.64	1.66	1.42	1.38	0.91	1.06	
23	1.14	1.66	2.81	1.47	1.55	1.64	1.62	1.63	1.41	1.38	0.89	1.04	
24	1.17	1.84	2.22	1.43	1.53	1.52	1.66	1.60	1.40	1.38	0.90	1.02	
25	1.27	1.53	1.97	1.42	1.56	1.52	2.10	1.59	1.40	1.37	0.89	1.01	
26	1.26	1.90	1.86	1.41	1.56	1.65	1.75	1.56	1.40	1.37	0.85	1.01	
27	1.30	1.61	1.74	1.41	1.62	1.62	1.68	1.55	1.40	1.38	1.12	0.98	
28	1.48	1.55	1.66	1.40	1.67	1.92	1.67	1.95	1.40	1.37	1.15	0.97	
29	1.40	1.50	1.61	1.40	1.59	1.76	1.64	1.68	1.40	1.37		1.00	
30	1.38	1.50	1.58	1.40	1.65	1.83	1.65	1.64	1.40	1.34		0.98	
31		1.49		1.40	1.52		1.59		1.40	1.34		0.92	
MEAN	1.00	1.50	1.68	1.45	1.53	1.57	2.05	1.96	1.46	1.37	1.08	1.05	
MAX	1.48	2.05	2.81	1.55	1.85	1.92	4.32	3.15	1.59	1.40	1.32	1.15	4.32
MIN	0.70	1.28	1.42	1.40	1.38	1.48	1.59	1.55	1.40	1.34	0.85	0.89	0.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.54 M (A.D), AT 12.00 HOURS, ON OCT 8, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.39 M (A.D)
LEFT BANK ELEVATION 8.10 M (A.D)
RIGHT BANK ELEVATION 7.99 M (A.D), DRAINAGE AREA 346 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.88	1.68	3.12	1.10	2.43	22.48	3.30	3.83	1.10	0.66	0.27	
2	0.13	0.83	1.79	2.77	1.05	2.14	8.90	12.58	3.30	1.10	0.60	0.27	
3	0.13	0.72	1.68	2.60	0.99	2.02	6.10	6.45	2.95	1.05	0.51	0.27	
4	0.18	0.55	1.79	2.60	0.99	2.25	16.20	7.50	2.77	1.05	0.45	0.24	
5	0.15	0.51	1.68	2.77	1.05	2.14	13.68	9.72	2.25	1.05	0.47	0.20	
6	0.11	0.88	1.56	2.25	0.99	2.77	8.30	16.20	2.25	0.99	0.21	0.09	
7	0.08	0.99	1.56	2.02	0.99	4.00	8.30	21.67	2.25	0.99	0.20	0.08	
8	0.04	1.21	1.44	1.79	1.10	4.35	110.00	12.80	2.25	0.99	0.19	0.04	
9	0.02	0.99	1.33	1.79	1.68	4.00	37.20	9.50	2.14	0.99	0.18	0.08	
10	0.00	0.88	1.68	1.68	1.68	3.30	23.02	8.50	2.14	0.99	0.27	0.10	
11	0.00	1.21	2.77	1.56	2.77	3.30	23.29	9.94	2.02	0.99	0.26	0.14	
12	0.00	1.79	2.60	1.56	5.75	2.95	18.20	28.40	1.91	0.94	0.23	0.18	
13	0.00	2.02	2.60	1.91	8.50	2.77	21.94	34.85	1.79	0.94	0.21	0.24	
14	0.00	1.44	2.43	1.68	5.75	2.43	26.90	45.65	1.79	0.94	0.24	0.21	
15	0.00	1.68	2.02	1.68	3.83	2.14	16.70	25.50	1.68	0.94	0.20	0.24	
16	0.00	1.91	2.43	1.56	3.30	2.02	11.70	16.20	1.68	0.83	0.19	0.24	
17	0.00	12.80	2.43	1.44	4.18	2.02	8.90	12.14	1.56	0.83	0.16	0.24	
18	0.00	5.75	2.95	1.33	3.12	2.43	7.70	9.10	1.56	0.94	0.13	0.24	
19	0.06	3.12	6.28	1.44	2.43	2.77	7.70	7.32	1.56	0.99	0.11	0.23	
20	0.12	2.14	12.36	1.56	2.14	3.12	6.10	6.45	1.56	0.94	0.11	0.21	
21	0.13	1.91	18.45	1.79	1.91	2.77	5.75	5.75	1.44	0.99	0.06	0.18	
22	0.32	1.91	21.67	1.44	2.14	2.60	4.70	5.05	1.33	0.99	0.06	0.16	
23	0.26	5.05	33.53	1.91	3.12	4.70	4.35	4.53	1.21	0.99	0.04	0.14	
24	0.30	8.30	16.70	1.44	2.77	2.60	5.05	4.00	1.10	0.99	0.05	0.12	
25	0.49	2.77	11.04	1.33	3.30	2.60	13.90	3.83	1.10	0.94	0.04	0.11	
26	0.47	9.50	8.70	1.21	3.30	4.88	6.63	3.30	1.10	0.94	0.03	0.11	
27	0.55	4.18	6.45	1.21	4.35	4.35	5.40	3.12	1.10	0.99	0.23	0.09	
28	2.02	3.12	5.05	1.10	5.23	9.94	5.23	10.60	1.10	0.94	0.27	0.09	
29	1.10	2.25	4.18	1.10	3.83	6.80	4.70	5.40	1.10	0.94		0.10	
30	0.99	2.25	3.65	1.10	4.88	8.10	4.88	4.70	1.10	0.77		0.09	
31		2.14		1.10	2.60		3.83		1.10	0.77		0.06	
TOTAL	7.74	85.68	184.48	53.84	90.82	104.69	467.73	354.05	56.02	29.83	6.36	5.06	1446.30 CMSDAY
MEAN	0.26	2.76	6.15	1.74	2.93	3.49	15.09	11.80	1.81	0.96	0.23	0.16	3.96 CMS
MAX	2.02	12.80	33.53	3.12	8.50	9.94	110.00	45.65	3.83	1.10	0.66	0.27	110.00 CMS
MIN	0.00	0.51	1.33	1.10	0.99	2.02	3.83	3.12	1.10	0.77	0.03	0.04	0.00 CMS
RUNOFF	0.669	7.403	15.939	4.652	7.847	9.045	40.412	30.590	4.840	2.577	0.550	0.437	124.960 MCM

MOMENTARY PEAK 195.96 CMS, AT 4.54 M (A.D), AT 12.00 HOURS, ON OCT 8, 1985

RUNOFF YIELD 11.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 566.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

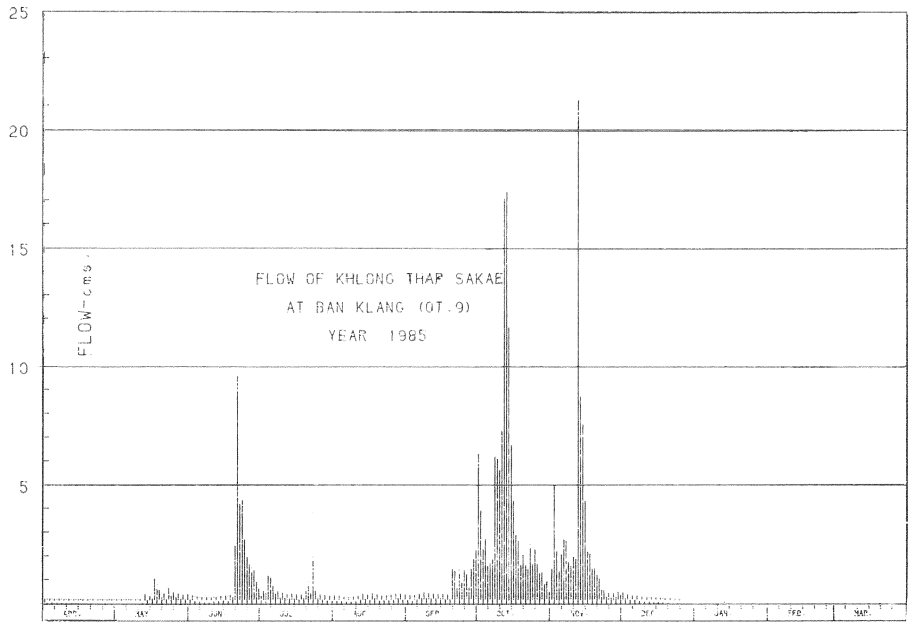
KHLONG THAP SAKAE AT BAN KLANG, PRACHUAP KHIRI KHAN (GT.9)

LOCATION	LAT. 11-29-39 N., LONG. 99-36-21 E., ON RIGHT BANK AT BAN KLANG, TAMBON THAP SAKAE, AMPHOE THAP SAKAE, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	120 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+5.374 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
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 50 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.00	0.18	0.32	0.14	0.17	1.44	0.58	0.26	-0.04	-0.18	-0.23	
2	0.01	0.00	0.15	0.32	0.13	0.15	1.11	1.28	0.22	-0.06	-0.18	-0.23	
3	0.01	0.00	0.13	0.37	0.13	0.13	0.86	0.81	0.18	-0.05	-0.19	-0.23	
4	0.01	0.00	0.11	0.48	0.11	0.15	0.91	0.62	0.17	-0.08	-0.19	-0.25	
5	0.01	0.00	0.09	0.51	0.09	0.19	0.71	0.78	0.13	-0.07	-0.20	-0.25	
6	0.01	0.00	0.08	0.41	0.08	0.20	0.70	0.94	0.15	-0.07	-0.20	-0.26	
7	0.01	0.00	0.07	0.36	0.07	0.23	0.78	0.90	0.13	-0.07	-0.19	-0.25	
8	0.01	0.00	0.07	0.31	0.08	0.27	1.41	0.75	0.10	-0.08	-0.20	-0.25	
9	0.00	0.00	0.06	0.26	0.09	0.25	1.42	0.65	0.08	-0.09	-0.20	-0.25	
10	0.00	0.00	0.06	0.26	0.11	0.23	1.34	0.80	0.06	-0.10	-0.21	-0.27	
11	0.00	0.00	0.09	0.25	0.13	0.22	1.54	0.74	0.06	-0.12	-0.20	-0.27	
12	0.00	0.02	0.09	0.21	0.18	0.21	2.32	2.60	0.05	-0.09	-0.21	-0.27	
13	0.00	0.19	0.11	0.23	0.23	0.21	2.35	1.67	0.06	-0.14	-0.22	-0.27	
14	0.00	0.15	0.14	0.22	0.20	0.19	1.92	1.57	0.05	-0.16	-0.22	-0.27	
15	0.00	0.12	0.15	0.23	0.18	0.24	1.48	1.17	0.05	-0.15	-0.24	-0.27	
16	0.00	0.23	0.14	0.20	0.17	0.20	1.17	0.84	0.05	-0.16	-0.24	-0.27	
17	0.00	0.46	0.13	0.18	0.22	0.17	0.97	0.79	0.03	-0.16	-0.24	-0.27	
18	0.00	0.42	0.17	0.18	0.26	0.19	0.90	0.67	0.03	-0.18	-0.22	-0.27	
19	0.00	0.34	0.27	0.24	0.18	0.18	0.72	0.59	0.02	-0.18	-0.21	-0.27	
20	0.00	0.27	0.86	0.32	0.14	0.58	0.78	0.56	0.01	-0.19	-0.22	-0.27	
21	0.00	0.23	1.76	0.44	0.13	0.65	0.72	0.46	0.01	-0.18	-0.24	-0.27	
22	0.00	0.20	1.15	0.23	0.16	0.37	0.58	0.41	-0.01	-0.18	-0.22	-0.27	
23	0.00	0.38	1.20	0.76	0.15	0.56	0.87	0.33	-0.01	-0.19	-0.24	-0.27	
24	0.00	0.33	0.91	0.32	0.16	0.43	0.68	0.28	-0.01	-0.16	-0.25	-0.27	
25	0.00	0.28	0.80	0.23	0.17	0.65	0.86	0.24	-0.02	-0.18	-0.24	-0.27	
26	0.00	0.28	0.68	0.19	0.18	0.49	0.68	0.24	-0.02	-0.18	-0.21	-0.27	
27	0.00	0.23	0.62	0.17	0.21	0.43	0.58	0.23	-0.03	-0.15	-0.23	-0.27	
28	0.00	0.21	0.56	0.16	0.24	0.58	0.51	0.26	-0.04	-0.16	-0.24	-0.27	
29	0.00	0.19	0.47	0.15	0.21	0.78	0.45	0.28	-0.06	-0.19		-0.27	
30	0.00	0.20	0.37	0.13	0.18	0.82	0.44	0.33	-0.04	-0.16		-0.27	
31		0.20		0.14	0.17		0.39		-0.05	-0.17		-0.27	
MEAN	0.00	0.16	0.39	0.28	0.16	0.34	1.02	0.75	0.05	-0.13	-0.22	-0.26	
MAX	0.01	0.46	1.76	0.76	0.26	0.82	2.35	2.60	0.26	-0.04	-0.18	-0.23	2.60
MIN	0.00	0.00	0.06	0.13	0.07	0.13	0.39	0.23	-0.06	-0.19	-0.25	-0.27	-0.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.78 M (A.D), AT 6.00 HOURS, ON NOV 12, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.08 M (A.D)
LEFT BANK ELEVATION 5.11 M (A.D)
RIGHT BANK ELEVATION 5.08 M (A.D), DRAINAGE AREA 120 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.21	0.20	0.38	0.54	0.34	0.37	6.46	1.46	0.46	0.16	0.02	0.00	
2	0.21	0.20	0.35	0.54	0.33	0.35	3.92	5.15	0.42	0.14	0.02	0.00	
3	0.21	0.20	0.33	0.64	0.33	0.33	2.45	2.20	0.38	0.15	0.01	0.00	
4	0.21	0.20	0.31	1.18	0.31	0.35	2.71	1.54	0.37	0.12	0.01	0.00	
5	0.21	0.20	0.29	1.32	0.29	0.39	1.75	2.06	0.33	0.13	0.00	0.00	
6	0.21	0.20	0.28	0.76	0.28	0.40	1.70	2.87	0.35	0.13	0.00	0.00	
7	0.21	0.20	0.27	0.62	0.27	0.43	2.06	2.65	0.33	0.13	0.01	0.00	
8	0.21	0.20	0.27	0.52	0.28	0.47	6.19	1.93	0.30	0.12	0.00	0.00	
9	0.20	0.20	0.26	0.46	0.29	0.45	6.28	1.60	0.28	0.11	0.00	0.00	
10	0.20	0.20	0.26	0.46	0.31	0.43	5.62	2.15	0.26	0.10	0.00	0.00	
11	0.20	0.20	0.29	0.45	0.33	0.42	7.40	1.88	0.26	0.08	0.00	0.00	
12	0.20	0.22	0.29	0.41	0.38	0.41	17.09	21.40	0.25	0.11	0.00	0.00	
13	0.20	0.39	0.31	0.43	0.43	0.41	17.52	8.73	0.26	0.06	0.00	0.00	
14	0.20	0.35	0.34	0.42	0.40	0.39	11.65	7.70	0.25	0.04	0.00	0.00	
15	0.20	0.32	0.35	0.43	0.38	0.44	6.82	4.34	0.25	0.05	0.00	0.00	
16	0.20	0.43	0.34	0.40	0.37	0.40	4.34	2.35	0.25	0.04	0.00	0.00	
17	0.20	1.06	0.33	0.38	0.42	0.37	3.04	2.11	0.23	0.04	0.00	0.00	
18	0.20	0.82	0.37	0.38	0.46	0.38	2.65	1.64	0.23	0.02	0.00	0.00	
19	0.20	0.58	0.47	0.44	0.38	0.38	1.79	1.48	0.22	0.02	0.00	0.00	
20	0.20	0.47	2.45	0.54	0.34	1.46	2.06	1.42	0.21	0.01	0.00	0.00	
21	0.20	0.43	9.74	0.94	0.33	1.60	1.79	1.06	0.21	0.02	0.00	0.00	
22	0.20	0.40	4.20	0.43	0.36	0.64	1.46	0.76	0.19	0.02	0.00	0.00	
23	0.20	0.66	4.55	1.97	0.35	1.42	2.50	0.56	0.19	0.01	0.00	0.00	
24	0.20	0.56	2.71	0.54	0.36	0.88	1.66	0.48	0.19	0.04	0.00	0.00	
25	0.20	0.48	2.15	0.43	0.37	1.60	2.45	0.44	0.18	0.02	0.00	0.00	
26	0.20	0.48	1.66	0.39	0.38	1.24	1.66	0.44	0.18	0.02	0.00	0.00	
27	0.20	0.43	1.54	0.37	0.41	0.88	1.46	0.43	0.17	0.05	0.00	0.00	
28	0.20	0.41	1.42	0.36	0.44	1.46	1.32	0.46	0.16	0.04	0.00	0.00	
29	0.20	0.39	1.12	0.35	0.41	2.06	1.00	0.48	0.14	0.01		0.00	
30	0.20	0.40	0.64	0.33	0.38	2.25	0.94	0.56	0.16	0.04		0.00	
31		0.40		0.34	0.37		0.68		0.15	0.03		0.00	
TOTAL	6.08	11.88	38.27	17.77	11.08	23.06	130.42	82.33	7.81	2.06	0.07	0.00	330.83 CMSDAY
MEAN	0.20	0.38	1.28	0.57	0.36	0.77	4.21	2.74	0.25	0.07	0.00	0.00	0.91 CMS
MAX	0.21	1.06	9.74	1.97	0.46	2.25	17.52	21.40	0.46	0.16	0.02	0.00	21.40 CMS
MIN	0.20	0.20	0.26	0.33	0.27	0.33	0.68	0.43	0.14	0.01	0.00	0.00	0.00 CMS
RUNOFF	0.525	1.026	3.307	1.535	0.957	1.992	11.268	7.113	0.675	0.178	0.006	0.000	28.584 MCM

MOMENTARY PEAK 24.43 CMS, AT 2.78 M (A.D), AT 6.00 HOURS, ON NOV 12, 1985

RUNOFF YIELD 7.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 203.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

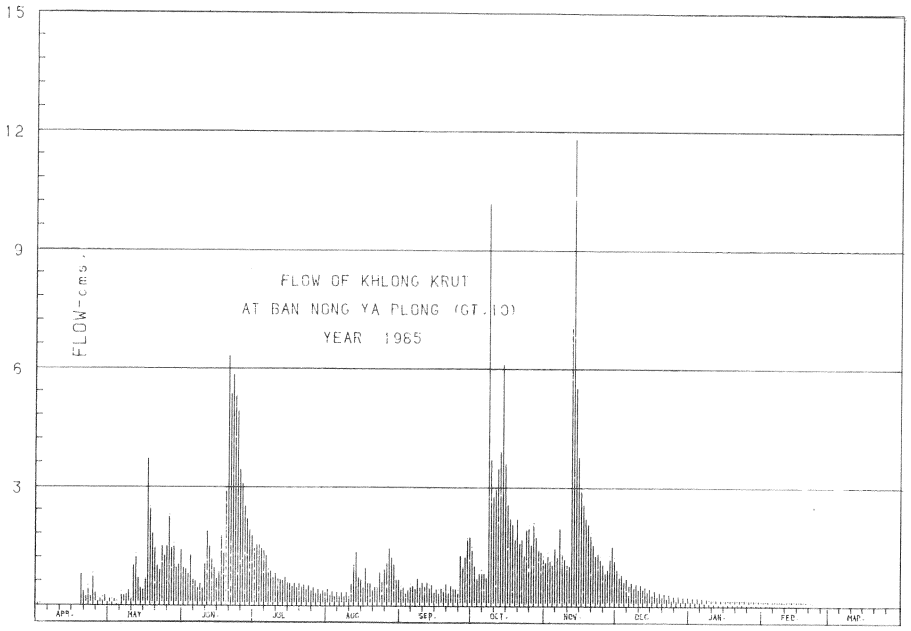
KHLONG KRUT AT BAN NONG YA PLONG, PRACHUAP KHIRI KHAN (GT.10)

LOCATION	LAT. 11-24-08 N., LONG. 99-31-20 E., ON LEFT BANK AT THE BRIDGE OF PHET KASEM HIGHWAY NEAR THE GUIDEPOST 379, BAN NONG YA PLONG, TAMBON CHAI KASEM, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	112 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+5.507 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
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 53 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.36	0.73	0.84	0.52	0.56	0.83	0.74	0.70	0.41	0.32	0.27	
2	0.25	0.37	0.70	0.84	0.50	0.54	0.72	0.80	0.67	0.40	0.32	0.27	
3	0.25	0.35	0.70	0.86	0.49	0.52	0.65	0.75	0.66	0.40	0.32	0.26	
4	0.25	0.32	0.78	0.82	0.48	0.51	0.67	0.75	0.64	0.40	0.32	0.26	
5	0.24	0.29	0.65	0.83	0.48	0.59	0.70	0.82	0.63	0.40	0.31	0.26	
6	0.20	0.49	0.61	0.78	0.48	0.56	0.67	0.79	0.61	0.39	0.31	0.26	
7	0.15	0.42	0.59	0.73	0.48	0.57	0.67	0.93	0.60	0.38	0.31	0.25	
8	0.14	0.50	0.58	0.69	0.48	0.63	2.18	0.80	0.59	0.37	0.31	0.24	
9	0.12	0.50	0.58	0.67	0.48	0.59	1.27	0.76	0.58	0.36	0.31	0.24	
10	0.11	0.44	0.73	0.67	0.48	0.60	1.09	0.75	0.57	0.35	0.30	0.24	
11	0.10	0.72	0.93	0.66	0.58	0.60	1.14	0.72	0.57	0.35	0.31	0.24	
12	0.10	0.79	0.83	0.62	0.75	0.60	1.22	1.78	0.57	0.35	0.32	0.24	
13	0.09	0.63	0.78	0.65	0.80	0.58	1.31	2.37	0.55	0.34	0.31	0.23	
14	0.08	0.58	0.71	0.64	0.67	0.57	1.64	1.56	0.54	0.34	0.31	0.23	
15	0.07	0.51	0.66	0.63	0.62	0.53	1.25	1.27	0.53	0.34	0.31	0.22	
16	0.07	0.65	0.68	0.59	0.59	0.52	1.05	1.13	0.50	0.34	0.31	0.22	
17	0.07	1.26	0.90	0.60	0.71	0.52	1.00	1.05	0.50	0.34	0.31	0.22	
18	0.18	1.04	0.79	0.59	0.62	0.53	0.95	1.00	0.48	0.34	0.31	0.22	
19	0.66	0.90	1.13	0.59	0.59	0.54	0.89	0.95	0.48	0.34	0.30	0.22	
20	0.53	0.84	1.67	0.59	0.56	0.58	0.98	0.91	0.47	0.34	0.30	0.22	
21	0.41	0.72	1.54	0.60	0.55	0.52	0.87	0.84	0.46	0.34	0.30	0.22	
22	0.56	0.72	1.60	0.57	0.60	0.56	0.87	0.80	0.45	0.34	0.28	0.22	
23	0.41	0.83	1.53	0.56	0.68	0.57	0.80	0.79	0.45	0.34	0.27	0.22	
24	0.67	0.80	1.46	0.56	0.64	0.52	0.92	0.78	0.43	0.34	0.27	0.22	
25	0.46	0.83	1.23	0.55	0.70	0.52	0.95	0.73	0.42	0.33	0.27	0.22	
26	0.40	1.00	1.15	0.54	0.76	0.78	0.84	0.70	0.42	0.33	0.29	0.22	
27	0.36	0.82	1.06	0.52	0.82	0.73	0.96	0.70	0.42	0.33	0.28	0.22	
28	0.41	0.85	0.98	0.52	0.79	0.77	0.88	0.78	0.41	0.33	0.28	0.22	
29	0.43	0.71	0.94	0.51	0.73	0.88	0.83	0.83	0.41	0.33		0.22	
30	0.38	0.75	0.89	0.50	0.65	0.88	0.80	0.77	0.41	0.33		0.22	
31		0.81		0.53	0.62		0.78		0.41	0.32		0.20	
MEAN	0.28	0.67	0.94	0.64	0.61	0.60	0.98	0.95	0.52	0.35	0.30	0.23	
MAX	0.67	1.26	1.67	0.86	0.82	0.88	2.18	2.37	0.70	0.41	0.32	0.27	2.37
MIN	0.07	0.29	0.58	0.50	0.48	0.51	0.65	0.70	0.41	0.32	0.27	0.20	0.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.89 M (A.D), AT 15.00 HOURS, ON NOV 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.19 M (A.D)
LEFT BANK ELEVATION 5.27 M (A.D)
RIGHT BANK ELEVATION 5.25 M (A.D), DRAINAGE AREA 112 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.16	1.05	1.54	0.42	0.51	1.50	1.10	0.92	0.22	0.12	0.07	
2	0.05	0.17	0.92	1.54	0.38	0.46	1.01	1.36	0.82	0.20	0.12	0.07	
3	0.05	0.15	0.92	1.64	0.36	0.42	0.75	1.14	0.79	0.20	0.12	0.06	
4	0.05	0.12	1.27	1.45	0.34	0.40	0.82	1.14	0.72	0.20	0.12	0.06	
5	0.04	0.09	0.75	1.50	0.34	0.57	0.92	1.45	0.69	0.20	0.11	0.06	
6	0.00	0.36	0.62	1.27	0.34	0.51	0.82	1.32	0.62	0.19	0.11	0.06	
7	0.00	0.24	0.57	1.05	0.34	0.53	0.82	1.96	0.59	0.18	0.11	0.05	
8	0.00	0.38	0.55	0.89	0.34	0.69	10.18	1.36	0.57	0.17	0.11	0.04	
9	0.00	0.38	0.55	0.82	0.34	0.57	3.77	1.18	0.55	0.16	0.11	0.04	
10	0.00	0.27	1.05	0.82	0.34	0.59	2.77	1.14	0.53	0.15	0.10	0.04	
11	0.00	1.01	1.96	0.79	0.55	0.59	3.04	1.01	0.53	0.15	0.11	0.04	
12	0.00	1.32	1.50	0.66	1.14	0.59	3.48	7.10	0.53	0.15	0.12	0.04	
13	0.00	0.69	1.27	0.75	1.36	0.55	4.00	11.81	0.48	0.14	0.11	0.03	
14	0.00	0.55	0.96	0.72	0.82	0.53	6.11	5.58	0.46	0.14	0.11	0.03	
15	0.00	0.40	0.79	0.69	0.66	0.44	3.66	3.77	0.44	0.14	0.11	0.02	
16	0.00	0.75	0.85	0.57	0.57	0.42	2.56	2.98	0.38	0.14	0.11	0.02	
17	0.00	3.71	1.82	0.59	0.96	0.42	2.30	2.56	0.38	0.14	0.11	0.02	
18	0.00	2.51	1.32	0.57	0.66	0.44	2.06	2.30	0.34	0.14	0.11	0.02	
19	0.79	1.82	2.98	0.57	0.57	0.46	1.77	2.06	0.34	0.14	0.10	0.02	
20	0.44	1.54	6.32	0.57	0.51	0.55	2.20	1.87	0.33	0.14	0.10	0.02	
21	0.22	1.01	5.44	0.59	0.48	0.42	1.68	1.54	0.31	0.14	0.10	0.02	
22	0.51	1.01	5.84	0.53	0.59	0.51	1.68	1.36	0.29	0.14	0.08	0.02	
23	0.22	1.50	5.38	0.51	0.85	0.53	1.36	1.32	0.29	0.14	0.07	0.02	
24	0.82	1.36	4.92	0.51	0.72	0.42	1.92	1.27	0.25	0.14	0.07	0.02	
25	0.31	1.50	3.54	0.48	0.92	0.42	2.06	1.05	0.24	0.13	0.07	0.02	
26	0.20	2.30	3.09	0.46	1.18	1.27	1.54	0.92	0.24	0.13	0.09	0.02	
27	0.16	1.45	2.61	0.42	1.45	1.05	2.11	0.92	0.24	0.13	0.08	0.02	
28	0.22	1.59	2.20	0.42	1.32	1.23	1.73	1.27	0.22	0.13	0.08	0.02	
29	0.25	0.96	2.01	0.40	1.05	1.73	1.50	1.50	0.22	0.13		0.02	
30	0.18	1.14	1.77	0.38	0.75	1.73	1.36	1.23	0.22	0.13		0.02	
31		1.41		0.44	0.66		1.27		0.22	0.12		0.00	
TOTAL	4.56	31.85	64.82	24.14	21.31	19.55	72.75	66.57	13.75	4.75	2.86	1.01	327.92 CMSDAY
MEAN	0.15	1.03	2.16	0.78	0.69	0.65	2.35	2.22	0.44	0.15	0.10	0.03	0.90 CMS
MAX	0.82	3.71	6.32	1.64	1.45	1.73	10.18	11.81	0.92	0.22	0.12	0.07	11.81 CMS
MIN	0.00	0.09	0.55	0.38	0.34	0.40	0.75	0.92	0.22	0.12	0.07	0.00	0.00 CMS
RUNOFF	0.394	2.752	5.600	2.086	1.841	1.689	6.286	5.752	1.188	0.410	0.247	0.087	28.332 MCM

MOMENTARY PEAK 17.56 CMS, AT 2.89 M (A.D), AT 15.00 HOURS, ON NOV 13, 1985

RUNOFF YIELD 8.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 156.82 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

HUAI YANG AT BAN CHANG LAEK, PRACHUAP KHIRI KHAN (GT.11)

LOCATION — LAT. 11-03-44 N., LONG. 99-22-31 E., ON RIGHT BANK AT THE BRIDGE OF PHET KASEM HIGHWAY NEAR THE GUIDEPOST 423, BAN CHANG LAEK, TAMBON PAK PHAEK, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 58 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-HIGHWAYS DEPT.

LOCATION — ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +9.576 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 — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1980 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1980 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

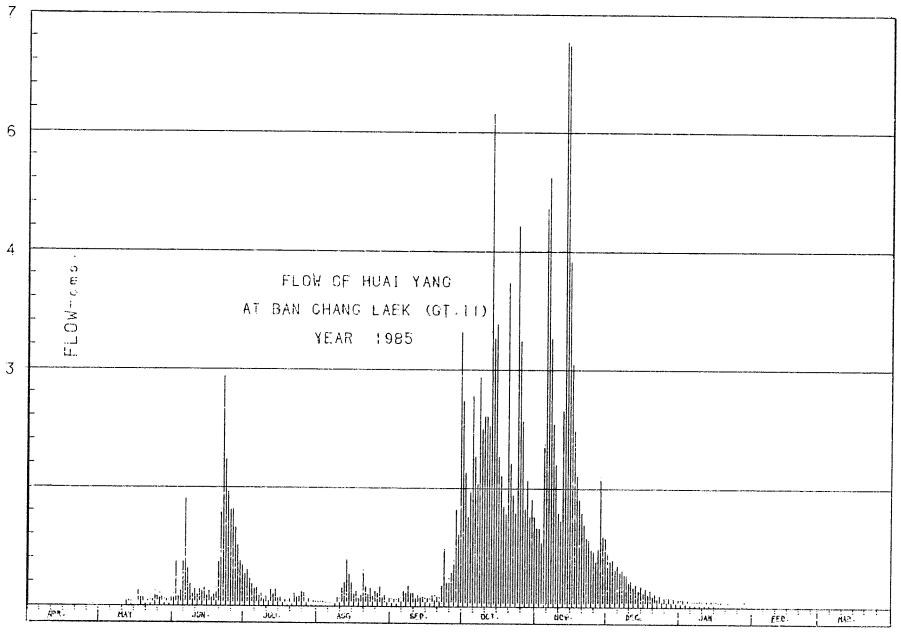
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 52 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.34	0.39	0.52	0.65	0.43	0.48	1.12	0.80	0.73	0.47	0.41	0.34	
2	0.34	0.38	0.68	0.65	0.43	0.47	0.95	0.81	0.70	0.47	0.38	0.34	
3	0.34	0.38	0.53	0.63	0.43	0.47	0.84	0.75	0.69	0.47	0.38	0.34	
4	0.34	0.38	0.54	0.59	0.42	0.48	0.90	1.02	0.67	0.46	0.37	0.34	
5	0.34	0.38	0.70	0.59	0.42	0.50	1.13	1.42	0.67	0.46	0.36	0.34	
6	0.34	0.38	0.88	0.56	0.41	0.54	0.99	1.46	0.66	0.45	0.35	0.33	
7	0.34	0.35	0.67	0.54	0.41	0.56	0.93	1.23	0.65	0.45	0.35	0.33	
8	0.34	0.37	0.59	0.52	0.46	0.58	1.16	1.07	0.65	0.45	0.35	0.33	
9	0.34	0.37	0.55	0.51	0.49	0.56	1.06	0.97	0.63	0.44	0.35	0.32	
10	0.34	0.39	0.55	0.50	0.48	0.53	1.08	0.85	0.62	0.44	0.35	0.32	
11	0.34	0.39	0.55	0.50	0.56	0.52	1.09	0.82	0.61	0.44	0.35	0.32	
12	0.34	0.48	0.55	0.55	0.62	0.51	1.06	1.10	0.60	0.44	0.35	0.32	
13	0.34	0.44	0.57	0.55	0.69	0.53	1.53	1.60	0.59	0.44	0.35	0.32	
14	0.34	0.43	0.56	0.55	0.65	0.50	1.23	1.60	0.58	0.44	0.35	0.32	
15	0.34	0.42	0.54	0.52	0.60	0.49	1.26	1.35	0.58	0.44	0.35	0.32	
16	0.34	0.41	0.54	0.49	0.55	0.48	0.99	1.19	0.56	0.44	0.35	0.32	
17	0.34	0.54	0.53	0.48	0.54	0.48	0.95	1.05	0.56	0.43	0.34	0.31	
18	0.35	0.53	0.51	0.46	0.52	0.51	0.86	0.95	0.55	0.43	0.34	0.31	
19	0.35	0.48	0.56	0.45	0.51	0.51	0.85	0.88	0.55	0.43	0.34	0.31	
20	0.35	0.46	0.68	0.47	0.65	0.50	1.32	0.85	0.54	0.42	0.34	0.31	
21	0.35	0.45	0.85	0.46	0.57	0.50	0.98	0.81	0.52	0.42	0.34	0.31	
22	0.38	0.46	1.16	0.52	0.55	0.58	0.89	0.78	0.52	0.42	0.34	0.31	
23	0.36	0.46	0.99	0.53	0.56	0.73	0.85	0.76	0.51	0.42	0.34	0.31	
24	0.39	0.54	0.90	0.50	0.54	0.60	1.40	0.74	0.50	0.42	0.34	0.31	
25	0.38	0.50	0.86	0.56	0.54	0.62	1.23	0.72	0.49	0.42	0.34	0.31	
26	0.37	0.52	0.85	0.53	0.56	0.64	1.07	0.70	0.49	0.42	0.34	0.31	
27	0.41	0.49	0.81	0.48	0.57	0.69	0.86	0.73	0.49	0.43	0.34	0.31	
28	0.38	0.47	0.74	0.47	0.53	0.85	0.93	0.94	0.49	0.45	0.34	0.31	
29	0.39	0.46	0.70	0.45	0.51	0.79	0.84	0.77	0.48	0.42		0.31	
30	0.39	0.46	0.67	0.44	0.49	1.24	0.88	0.78	0.48	0.42		0.31	
31		0.48		0.43	0.48		0.84		0.47	0.42		0.31	
MEAN	0.35	0.44	0.68	0.52	0.52	0.58	1.03	0.98	0.58	0.44	0.35	0.32	
MAX	0.41	0.54	1.16	0.65	0.69	1.24	1.53	1.60	0.73	0.47	0.41	0.34	1.60
MIN	0.34	0.35	0.51	0.43	0.41	0.47	0.84	0.70	0.47	0.42	0.34	0.31	0.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.65 M (A.D), AT 15.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.28 M (A.D)
LEFT BANK ELEVATION 9.25 M (A.D)
RIGHT BANK ELEVATION 9.23 M (A.D), DRAINAGE AREA 58 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.03	0.16	0.46	0.06	0.10	2.65	1.00	0.73	0.09	0.04	0.01	
2	0.01	0.02	0.56	0.46	0.06	0.09	1.70	1.04	0.62	0.09	0.02	0.01	
3	0.01	0.02	0.17	0.40	0.06	0.09	1.18	0.81	0.59	0.09	0.02	0.01	
4	0.01	0.02	0.19	0.28	0.05	0.10	1.45	2.06	0.52	0.08	0.02	0.01	
5	0.01	0.02	0.62	0.28	0.05	0.12	2.71	5.04	0.52	0.08	0.02	0.01	
6	0.01	0.02	1.36	0.23	0.04	0.19	1.90	5.47	0.49	0.07	0.01	0.01	
7	0.01	0.01	0.52	0.19	0.04	0.23	1.60	3.40	0.46	0.07	0.01	0.01	
8	0.01	0.02	0.28	0.16	0.08	0.26	2.91	2.35	0.46	0.07	0.01	0.01	
9	0.01	0.02	0.21	0.14	0.11	0.23	2.29	1.80	0.40	0.07	0.01	0.01	
10	0.01	0.03	0.21	0.12	0.10	0.17	2.41	1.23	0.36	0.07	0.01	0.01	
11	0.01	0.03	0.21	0.12	0.23	0.16	2.46	1.09	0.33	0.07	0.01	0.01	
12	0.01	0.10	0.21	0.21	0.36	0.14	2.29	2.52	0.30	0.07	0.01	0.01	
13	0.01	0.07	0.25	0.21	0.59	0.17	6.27	7.15	0.28	0.07	0.01	0.01	
14	0.01	0.06	0.23	0.21	0.46	0.12	3.40	7.15	0.26	0.07	0.01	0.01	
15	0.01	0.05	0.19	0.16	0.30	0.11	3.62	4.37	0.26	0.07	0.01	0.01	
16	0.01	0.04	0.19	0.11	0.21	0.10	1.90	3.11	0.23	0.07	0.01	0.01	
17	0.01	0.19	0.17	0.10	0.19	0.10	1.70	2.23	0.23	0.06	0.01	0.00	
18	0.01	0.17	0.14	0.08	0.16	0.14	1.27	1.70	0.21	0.06	0.01	0.00	
19	0.01	0.10	0.23	0.07	0.14	0.14	1.23	1.36	0.21	0.06	0.01	0.00	
20	0.01	0.08	0.56	0.09	0.46	0.12	4.10	1.23	0.19	0.05	0.01	0.00	
21	0.01	0.07	1.23	0.08	0.25	0.12	1.85	1.04	0.16	0.05	0.01	0.00	
22	0.02	0.08	2.91	0.16	0.21	0.26	1.41	0.92	0.16	0.05	0.01	0.00	
23	0.02	0.08	1.90	0.17	0.23	0.73	1.23	0.85	0.14	0.05	0.01	0.00	
24	0.03	0.19	1.45	0.12	0.19	0.30	4.82	0.77	0.12	0.05	0.01	0.00	
25	0.02	0.12	1.27	0.23	0.19	0.36	3.40	0.70	0.11	0.05	0.01	0.00	
26	0.02	0.16	1.23	0.17	0.23	0.43	2.35	0.62	0.11	0.05	0.01	0.00	
27	0.04	0.11	1.04	0.10	0.25	0.59	1.27	0.73	0.11	0.06	0.01	0.00	
28	0.02	0.09	0.77	0.09	0.17	1.23	1.60	1.65	0.11	0.07	0.01	0.00	
29	0.03	0.08	0.62	0.07	0.14	0.96	1.18	0.89	0.10	0.05		0.00	
30	0.03	0.08	0.52	0.07	0.11	3.47	1.36	0.92	0.10	0.05		0.00	
31		0.10		0.06	0.10		1.18		0.09	0.05		0.00	
TOTAL	0.44	2.26	19.60	5.40	5.82	11.33	70.69	65.20	8.96	2.01	0.35	0.16	192.22 CMSDAY
MEAN	0.01	0.07	0.65	0.17	0.19	0.38	2.28	2.17	0.29	0.06	0.01	0.01	0.53 CMS
MAX	0.04	0.19	2.91	0.46	0.59	3.47	6.27	7.15	0.73	0.09	0.04	0.01	7.15 CMS
MIN	0.01	0.01	0.14	0.06	0.04	0.09	1.18	0.62	0.09	0.05	0.01	0.00	0.00 CMS
RUNOFF	0.038	0.195	1.693	0.467	0.503	0.979	6.108	5.633	0.774	0.174	0.030	0.014	16.608 MCM

MOMENTARY PEAK 30.15 CMS, AT 2.65 M (A.D), AT 15.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 9.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 519.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

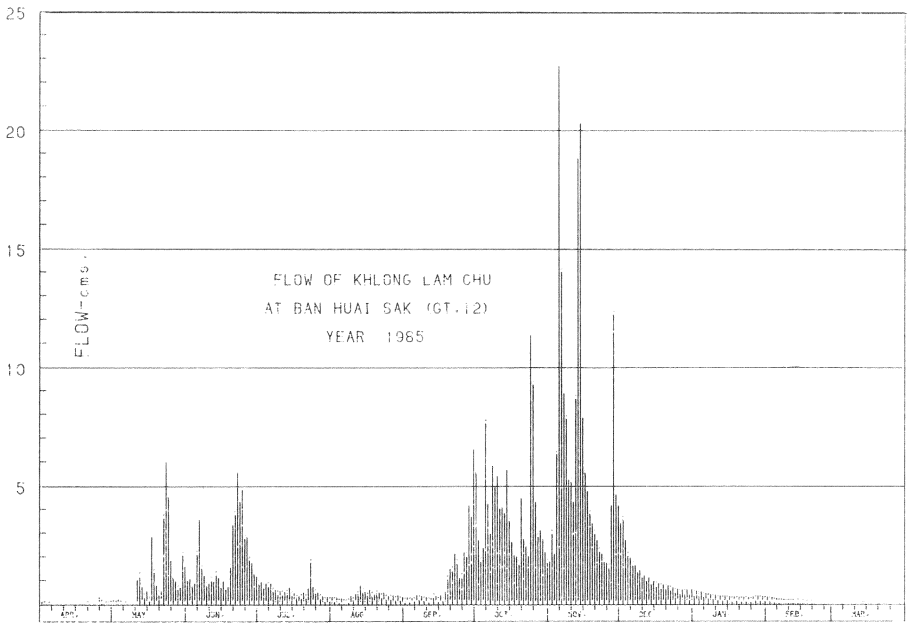
KHLONG LAM CHU AT BAN HUAI SAK, PRACHUAP KHIRI KHAN (GT.12)

LOCATION	LAT. 11-01-43 N., LONG. 99-25-32 E., ON LEFT BANK ABOUT 1.4 KILOMETERS FROM BAN HUAI SAK RAILWAY STATION, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	117 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 25 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+10.00 M.(A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00 - 18.00, 21.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 86 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.58	1.62	1.95	1.92	1.68	1.67	2.62	2.08	2.33	1.77	1.68	1.59	
2	1.59	1.61	1.93	1.90	1.68	1.67	2.23	2.29	2.37	1.77	1.68	1.59	
3	1.59	1.63	1.90	1.88	1.67	1.67	2.11	2.14	2.23	1.76	1.67	1.59	
4	1.58	1.61	1.88	1.88	1.65	1.66	2.18	2.71	2.15	1.76	1.66	1.59	
5	1.57	1.60	2.16	1.90	1.65	1.68	2.85	4.25	2.11	1.75	1.65	1.59	
6	1.57	1.59	2.35	1.88	1.64	1.71	2.44	3.49	2.08	1.74	1.64	1.58	
7	1.57	1.59	2.05	1.82	1.63	1.71	2.29	2.97	2.05	1.73	1.64	1.58	
8	1.57	1.58	1.96	1.79	1.65	1.70	2.64	2.87	2.03	1.72	1.63	1.58	
9	1.57	1.58	1.90	1.78	1.70	1.69	2.55	2.57	2.01	1.72	1.63	1.58	
10	1.56	1.59	1.88	1.77	1.68	1.68	2.59	2.58	1.98	1.71	1.63	1.58	
11	1.56	1.92	1.95	1.78	1.73	1.67	2.43	2.45	1.96	1.70	1.63	1.58	
12	1.56	1.99	1.91	1.76	1.77	1.66	2.42	2.96	1.95	1.70	1.63	1.58	
13	1.55	1.83	2.00	1.79	1.85	1.74	2.41	3.91	1.94	1.70	1.63	1.58	
14	1.55	1.74	1.94	1.82	1.81	1.70	2.62	4.05	1.92	1.70	1.64	1.58	
15	1.55	1.77	1.88	1.77	1.76	1.68	2.36	2.86	1.91	1.70	1.62	1.58	
16	1.55	1.69	1.91	1.74	1.75	1.71	2.22	2.62	1.90	1.69	1.62	1.58	
17	1.55	2.25	1.86	1.72	1.79	1.69	2.15	2.51	1.88	1.68	1.62	1.58	
18	1.61	2.02	1.83	1.70	1.76	1.76	2.12	2.40	1.87	1.68	1.61	1.57	
19	1.61	1.85	2.06	1.73	1.72	1.96	2.09	2.33	1.86	1.69	1.61	1.57	
20	1.59	1.78	2.32	1.75	1.78	2.02	2.47	2.29	1.86	1.68	1.61	1.57	
21	1.58	1.77	2.40	1.73	1.75	2.04	2.25	2.23	1.85	1.68	1.60	1.57	
22	1.58	2.38	2.61	1.81	1.74	2.14	2.19	2.18	1.84	1.68	1.60	1.57	
23	1.58	2.66	2.47	2.10	1.75	2.10	2.15	2.14	1.82	1.68	1.60	1.56	
24	1.58	2.49	2.52	1.83	1.72	1.94	3.22	2.11	1.81	1.67	1.60	1.55	
25	1.68	2.09	2.26	1.80	1.70	1.98	3.02	2.07	1.80	1.67	1.59	1.55	
26	1.63	1.97	2.25	1.75	1.72	2.15	2.45	2.06	1.79	1.68	1.59	1.55	
27	1.60	1.91	2.12	1.73	1.71	2.15	2.27	2.43	1.79	1.70	1.59	1.55	
28	1.59	1.85	2.07	1.70	1.70	2.43	2.29	3.32	1.79	1.70	1.59	1.55	
29	1.60	1.82	2.01	1.68	1.71	2.39	2.25	2.49	1.79	1.70		1.55	
30	1.61	2.15	1.95	1.68	1.69	2.72	2.15	2.45	1.79	1.69		1.55	
31		2.04		1.68	1.68		2.10		1.79	1.69		1.55	
MEAN	1.58	1.87	2.08	1.79	1.72	1.88	2.39	2.66	1.94	1.71	1.62	1.57	
MAX	1.68	2.66	2.61	2.10	1.85	2.72	3.22	4.25	2.37	1.77	1.68	1.59	4.25
MIN	1.55	1.58	1.83	1.68	1.63	1.66	2.09	2.06	1.79	1.67	1.59	1.55	1.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.63 M (A.D), AT 21.00 HOURS, ON NOV 5, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.28 M (A.D)
LEFT BANK ELEVATION 10.07 M (A.D)
RIGHT BANK ELEVATION 9.59 M (A.D), DRAINAGE AREA 117 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.19	1.18	1.04	0.31	0.29	5.67	1.80	3.42	0.56	0.31	0.14	
2	0.14	0.17	1.08	0.95	0.31	0.29	2.71	3.13	3.72	0.56	0.31	0.14	
3	0.14	0.21	0.95	0.89	0.29	0.29	1.96	2.14	2.71	0.53	0.29	0.14	
4	0.12	0.17	0.89	0.89	0.25	0.27	2.38	6.44	2.20	0.53	0.27	0.14	
5	0.11	0.15	2.26	0.95	0.25	0.31	7.77	22.72	1.96	0.50	0.25	0.14	
6	0.11	0.14	3.57	0.89	0.23	0.38	4.25	14.15	1.80	0.47	0.23	0.12	
7	0.11	0.14	1.65	0.71	0.21	0.38	3.13	8.92	1.65	0.44	0.23	0.12	
8	0.11	0.12	1.22	0.62	0.25	0.35	5.84	7.96	1.55	0.41	0.21	0.12	
9	0.11	0.12	0.95	0.59	0.35	0.33	5.10	5.26	1.45	0.41	0.21	0.12	
10	0.09	0.14	0.89	0.56	0.31	0.31	5.42	5.34	1.31	0.38	0.21	0.12	
11	0.09	1.04	1.18	0.59	0.44	0.29	4.18	4.32	1.22	0.35	0.21	0.12	
12	0.09	1.36	0.99	0.53	0.56	0.27	4.10	8.82	1.18	0.35	0.21	0.12	
13	0.07	0.74	1.40	0.62	0.80	0.47	4.03	18.81	1.13	0.35	0.21	0.12	
14	0.07	0.47	1.13	0.71	0.68	0.35	5.67	20.43	1.04	0.35	0.23	0.12	
15	0.07	0.56	0.89	0.56	0.53	0.31	3.65	7.87	0.99	0.35	0.19	0.12	
16	0.07	0.33	0.99	0.47	0.50	0.38	2.64	5.67	0.95	0.33	0.19	0.12	
17	0.07	2.85	0.83	0.41	0.62	0.33	2.20	4.78	0.89	0.31	0.19	0.12	
18	0.17	1.50	0.74	0.35	0.53	0.53	2.02	3.95	0.86	0.31	0.17	0.11	
19	0.17	0.80	1.70	0.44	0.41	1.22	1.85	3.42	0.83	0.33	0.17	0.11	
20	0.14	0.59	3.35	0.50	0.59	1.50	4.48	3.13	0.83	0.31	0.17	0.11	
21	0.12	0.56	3.95	0.44	0.50	1.60	2.85	2.71	0.80	0.31	0.15	0.11	
22	0.12	3.80	5.58	0.68	0.47	2.14	2.44	2.38	0.77	0.31	0.15	0.11	
23	0.12	6.01	4.48	1.90	0.50	1.90	2.20	2.14	0.71	0.31	0.15	0.09	
24	0.12	4.63	4.86	0.74	0.41	1.13	11.35	1.96	0.68	0.29	0.15	0.07	
25	0.31	1.85	2.92	0.65	0.35	1.31	9.39	1.75	0.65	0.29	0.14	0.07	
26	0.21	1.27	2.85	0.50	0.41	2.20	4.32	1.70	0.62	0.31	0.14	0.07	
27	0.15	0.99	2.02	0.44	0.38	2.20	2.99	4.18	0.62	0.35	0.14	0.07	
28	0.14	0.80	1.75	0.35	0.35	4.18	3.13	12.36	0.62	0.35	0.14	0.07	
29	0.15	0.71	1.45	0.31	0.38	3.88	2.85	4.63	0.62	0.35		0.07	
30	0.17	2.20	1.18	0.31	0.33	6.54	2.20	4.32	0.62	0.33		0.07	
31		1.60		0.31	0.31		1.90		0.62	0.33		0.07	
TOTAL	3.78	36.21	58.88	19.90	12.81	35.93	124.67	197.19	39.02	11.66	5.62	3.34	549.01 CMSDAY
MEAN	0.13	1.17	1.96	0.64	0.41	1.20	4.02	6.57	1.26	0.38	0.20	0.11	1.50 CMS
MAX	0.31	6.01	5.58	1.90	0.80	6.54	11.35	22.72	3.72	0.56	0.31	0.14	22.72 CMS
MIN	0.07	0.12	0.74	0.31	0.21	0.27	1.85	1.70	0.62	0.29	0.14	0.07	0.07 CMS
RUNOFF	0.327	3.129	5.087	1.719	1.107	3.104	10.771	17.037	3.371	1.007	0.486	0.289	47.434 MCM

MOMENTARY PEAK 52.39 CMS, AT 6.63 M (A.D), AT 21.00 HOURS, ON NOV 5, 1985

RUNOFF YIELD 12.86 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 447.78 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

WEST COAST-GULF BASIN

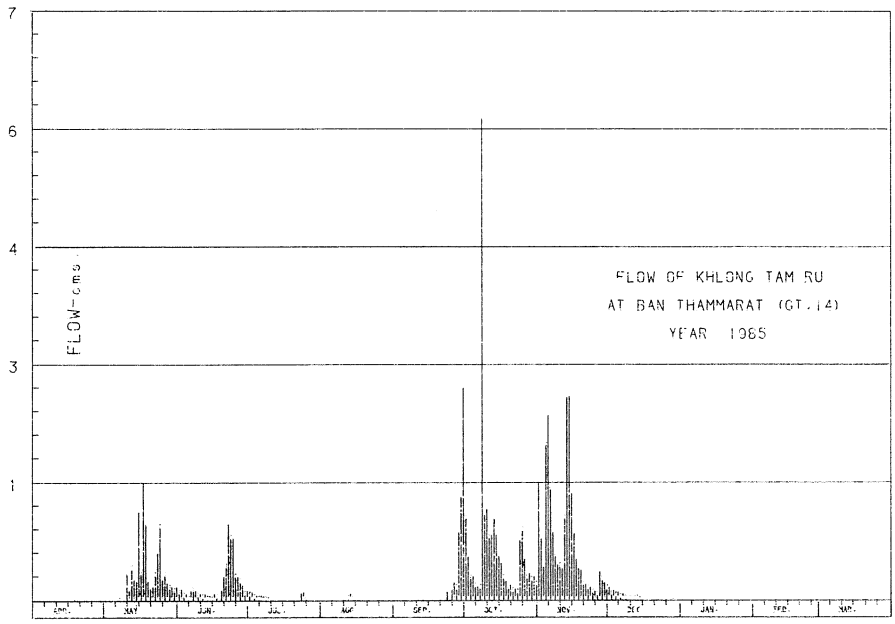
KHLONG TAM RU AT BAN THAMMARAT, PRACHUAP KHIRI KHAN (GT.14)

LOCATION	LAT. 11-08-57 N., LONG. 99-23-05 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY, BAN THAMMARAT, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	11 SQ.KM.
TYPE OF GAGE	STAFF GAGE
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.872 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	1983 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
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 41 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.36	0.46	0.44	0.36	0.35	0.82	0.92	0.47	0.32	0.28	0.29	
2	0.36	0.36	0.46	0.43	0.36	0.35	0.66	0.75	0.45	0.32	0.28	0.29	
3	0.36	0.34	0.43	0.42	0.36	0.34	0.56	0.61	0.45	0.31	0.28	0.30	
4	0.36	0.36	0.42	0.41	0.37	0.34	0.55	1.02	0.43	0.31	0.28	0.30	
5	0.36	0.36	0.41	0.41	0.37	0.34	0.51	1.09	0.43	0.30	0.28	0.30	
6	0.35	0.36	0.45	0.41	0.36	0.36	0.48	0.91	0.42	0.30	0.28	0.30	
7	0.35	0.37	0.48	0.40	0.36	0.36	0.50	0.76	0.42	0.30	0.29	0.30	
8	0.35	0.38	0.45	0.40	0.38	0.36	1.62	0.68	0.41	0.30	0.29	0.30	
9	0.35	0.40	0.43	0.39	0.41	0.35	0.83	0.62	0.40	0.29	0.29	0.30	
10	0.35	0.59	0.42	0.39	0.41	0.35	0.84	0.63	0.40	0.29	0.28	0.29	
11	0.34	0.45	0.42	0.39	0.40	0.35	0.75	0.60	0.40	0.29	0.28	0.29	
12	0.33	0.62	0.42	0.38	0.41	0.35	0.75	0.82	0.40	0.29	0.28	0.26	
13	0.33	0.53	0.41	0.39	0.42	0.36	0.82	1.13	0.41	0.29	0.27	0.26	
14	0.33	0.55	0.41	0.38	0.40	0.36	0.75	1.14	0.39	0.29	0.27	0.26	
15	0.32	0.83	0.40	0.38	0.40	0.36	0.68	0.89	0.37	0.29	0.27	0.24	
16	0.32	0.58	0.42	0.38	0.40	0.36	0.63	0.77	0.37	0.28	0.27	0.24	
17	0.31	0.92	0.42	0.37	0.40	0.36	0.56	0.65	0.35	0.28	0.29	0.23	
18	0.33	0.80	0.39	0.37	0.40	0.36	0.52	0.62	0.35	0.28	0.28	0.22	
19	0.35	0.52	0.48	0.37	0.38	0.36	0.50	0.59	0.34	0.28	0.28	0.22	
20	0.36	0.50	0.55	0.38	0.37	0.36	0.49	0.52	0.33	0.28	0.28	0.22	
21	0.36	0.48	0.63	0.40	0.37	0.36	0.47	0.50	0.34	0.28	0.28	0.22	
22	0.37	0.58	0.79	0.38	0.37	0.36	0.46	0.49	0.34	0.28	0.27	0.22	
23	0.37	0.68	0.75	0.46	0.37	0.48	0.46	0.47	0.36	0.28	0.27	0.22	
24	0.37	0.79	0.74	0.43	0.37	0.41	0.73	0.46	0.37	0.28	0.28	0.22	
25	0.37	0.53	0.57	0.40	0.37	0.50	0.78	0.44	0.37	0.28	0.28	0.22	
26	0.37	0.58	0.55	0.39	0.36	0.51	0.65	0.44	0.36	0.28	0.27	0.19	
27	0.37	0.51	0.54	0.39	0.37	0.50	0.56	0.58	0.36	0.28	0.27	0.19	
28	0.37	0.50	0.49	0.38	0.37	0.76	0.57	0.55	0.32	0.29	0.29	0.19	
29	0.36	0.48	0.45	0.38	0.37	0.89	0.55	0.51	0.30	0.29		0.19	
30	0.36	0.47	0.45	0.38	0.36	1.15	0.55	0.49	0.30	0.29		0.19	
31		0.48		0.37	0.35		0.52		0.30	0.29		0.19	
MEAN	0.35	0.52	0.49	0.40	0.38	0.43	0.65	0.69	0.38	0.29	0.28	0.25	
MAX	0.37	0.92	0.79	0.46	0.42	1.15	1.62	1.14	0.47	0.32	0.29	0.30	1.62
MIN	0.31	0.34	0.39	0.37	0.35	0.34	0.46	0.44	0.30	0.28	0.27	0.19	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.15 M (A.D), AT 12.00 HOURS, ON OCT 8, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.29 M (A.D)
LEFT BANK ELEVATION 6.75 M (A.D)
RIGHT BANK ELEVATION 6.49 M (A.D), DRAINAGE AREA 11 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.03	0.14	0.11	0.03	0.02	1.08	1.50	0.16	0.01	0.00	0.00	
2	0.03	0.03	0.14	0.10	0.03	0.02	0.55	0.83	0.12	0.01	0.00	0.00	
3	0.03	0.02	0.10	0.08	0.03	0.02	0.32	0.42	0.12	0.00	0.00	0.00	
4	0.03	0.03	0.08	0.06	0.04	0.02	0.30	2.00	0.10	0.00	0.00	0.00	
5	0.03	0.03	0.06	0.06	0.04	0.02	0.22	2.35	0.10	0.00	0.00	0.00	
6	0.02	0.03	0.12	0.06	0.03	0.03	0.17	1.45	0.08	0.00	0.00	0.00	
7	0.02	0.04	0.17	0.05	0.03	0.03	0.20	0.86	0.08	0.00	0.00	0.00	
8	0.02	0.04	0.12	0.05	0.04	0.03	6.13	0.60	0.06	0.00	0.00	0.00	
9	0.02	0.05	0.10	0.04	0.06	0.02	1.12	0.45	0.05	0.00	0.00	0.00	
10	0.02	0.38	0.08	0.04	0.06	0.02	1.16	0.47	0.05	0.00	0.00	0.00	
11	0.02	0.12	0.08	0.04	0.05	0.02	0.83	0.40	0.05	0.00	0.00	0.00	
12	0.02	0.45	0.08	0.04	0.06	0.02	0.83	1.08	0.05	0.00	0.00	0.00	
13	0.02	0.26	0.06	0.04	0.08	0.03	1.08	2.58	0.06	0.00	0.00	0.00	
14	0.02	0.30	0.06	0.04	0.05	0.03	0.83	2.64	0.04	0.00	0.00	0.00	
15	0.01	1.12	0.05	0.04	0.05	0.03	0.60	1.36	0.04	0.00	0.00	0.00	
16	0.01	0.36	0.08	0.04	0.05	0.03	0.47	0.89	0.04	0.00	0.00	0.00	
17	0.00	1.50	0.08	0.04	0.05	0.03	0.32	0.52	0.02	0.00	0.00	0.00	
18	0.02	1.00	0.04	0.04	0.05	0.03	0.24	0.45	0.02	0.00	0.00	0.00	
19	0.02	0.24	0.17	0.04	0.04	0.03	0.20	0.38	0.02	0.00	0.00	0.00	
20	0.03	0.20	0.30	0.04	0.04	0.03	0.19	0.24	0.02	0.00	0.00	0.00	
21	0.03	0.17	0.47	0.05	0.04	0.03	0.16	0.20	0.02	0.00	0.00	0.00	
22	0.04	0.36	0.97	0.04	0.04	0.03	0.14	0.19	0.02	0.00	0.00	0.00	
23	0.04	0.60	0.83	0.14	0.04	0.17	0.14	0.16	0.03	0.00	0.00	0.00	
24	0.04	0.97	0.79	0.10	0.04	0.06	0.76	0.14	0.04	0.00	0.00	0.00	
25	0.04	0.26	0.34	0.05	0.04	0.20	0.93	0.11	0.04	0.00	0.00	0.00	
26	0.04	0.36	0.30	0.04	0.03	0.22	0.52	0.11	0.03	0.00	0.00	0.00	
27	0.04	0.22	0.28	0.04	0.04	0.20	0.32	0.36	0.03	0.00	0.00	0.00	
28	0.04	0.20	0.19	0.04	0.04	0.86	0.34	0.30	0.01	0.00	0.00	0.00	
29	0.03	0.17	0.12	0.04	0.04	1.36	0.30	0.22	0.00	0.00		0.00	
30	0.03	0.16	0.12	0.04	0.03	2.70	0.30	0.19	0.00	0.00		0.00	
31		0.17		0.04	0.02		0.24		0.00	0.00		0.00	
TOTAL	0.78	9.87	6.52	1.67	1.31	6.34	20.99	23.45	1.50	0.02	0.00	0.00	72.45 CMSDAY
MEAN	0.03	0.32	0.22	0.05	0.04	0.21	0.68	0.78	0.05	0.00	0.00	0.00	0.20 CMS
MAX	0.04	1.50	0.97	0.14	0.08	2.70	6.13	2.64	0.16	0.01	0.00	0.00	6.13 CMS
MIN	0.00	0.02	0.04	0.04	0.02	0.02	0.14	0.11	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.067	0.853	0.563	0.144	0.113	0.548	1.814	2.026	0.130	0.002	0.000	0.000	6.260 MCM

MOMENTARY PEAK 11.80 CMS, AT 2.15 M (A.D), AT 12.00 HOURS, ON OCT 8, 1985

RUNOFF YIELD 18.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1072.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

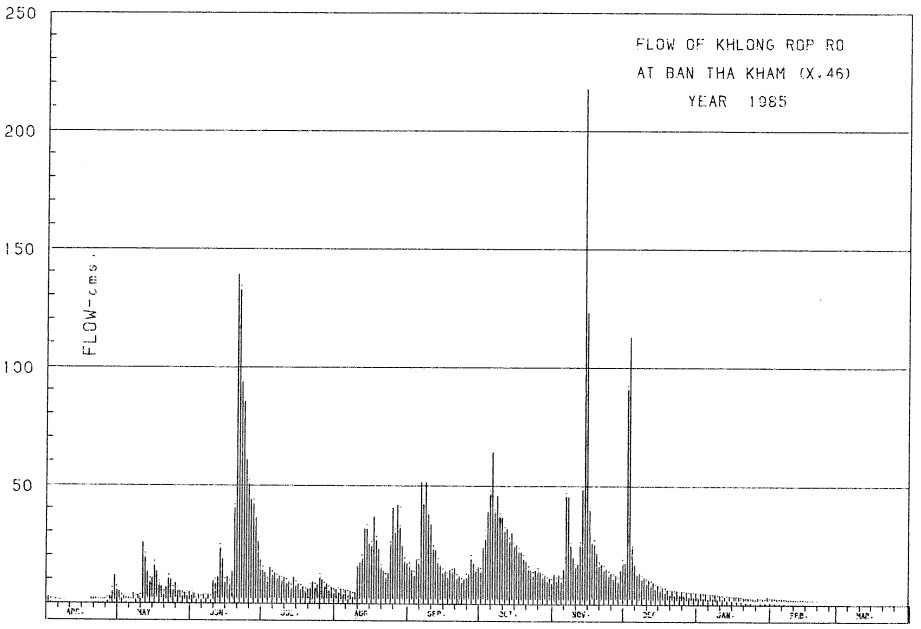
KHLONG RAP RO AT BAN THA KHAM, CHUMPHON (X.46)

LOCATION	LAT. 10-36-47 N., LONG. 99-07-07 E., ON LEFT BANK ABOUT 10 KILOMETERS DOWNSTREAM FROM X.46A STATION AT BAN HAT TAENG, AMPHOE THA SAE, CHUMPHON.
DRAINAGE AREA	751 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE AUTOMETIC GAGE BUILDING.
ELEVATION	+5.913 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	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976, 1985 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1976, 1985 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 77 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.67	0.69	1.18	0.74	1.24	1.16	1.05	1.24	0.65	0.49	0.38	
2	0.44	0.59	0.61	1.07	0.78	1.12	1.46	1.00	3.02	0.65	0.48	0.38	
3	0.41	0.52	0.57	0.98	0.75	1.10	1.62	1.04	3.38	0.64	0.47	0.37	
4	0.40	0.47	0.56	1.16	0.74	1.30	1.90	0.99	1.49	0.64	0.47	0.37	
5	0.39	0.45	0.55	1.10	0.72	1.30	2.12	1.13	1.21	0.63	0.47	0.36	
6	0.37	0.43	0.57	1.07	0.70	2.20	2.48	2.10	1.12	0.62	0.46	0.36	
7	0.35	0.61	0.59	1.04	0.69	2.02	1.92	2.06	1.07	0.62	0.45	0.35	
8	0.34	0.55	0.57	1.01	0.65	2.20	2.07	1.53	1.03	0.61	0.44	0.35	
9	0.33	0.56	0.55	1.00	0.65	1.91	1.88	1.32	1.00	0.60	0.44	0.35	
10	0.32	0.59	0.92	0.99	1.25	1.75	1.83	1.23	0.97	0.59	0.43	0.35	
11	0.31	1.52	0.96	0.96	1.24	1.49	1.72	1.22	0.95	0.58	0.42	0.34	
12	0.30	1.38	0.99	0.91	1.36	1.43	1.70	1.54	0.93	0.53	0.42	0.34	
13	0.29	1.08	1.50	0.86	1.70	1.31	1.59	2.13	0.91	0.57	0.44	0.34	
14	0.34	0.98	1.30	0.99	1.75	1.20	1.65	5.02	0.87	0.56	0.44	0.33	
15	0.33	0.98	0.97	0.92	1.51	1.14	1.52	3.55	0.85	0.56	0.43	0.33	
16	0.33	1.26	1.00	0.87	1.54	1.10	1.50	1.95	0.84	0.55	0.42	0.32	
17	0.33	1.09	0.93	0.85	1.84	1.07	1.46	1.52	0.81	0.54	0.41	0.32	
18	0.32	0.92	1.09	0.81	1.61	1.12	1.40	1.57	0.79	0.54	0.40	0.32	
19	0.45	0.81	1.98	0.77	1.44	1.14	1.36	1.39	0.75	0.53	0.40	0.31	
20	0.43	0.71	3.82	0.75	1.21	1.16	1.26	1.26	0.74	0.51	0.39	0.31	
21	0.44	0.79	3.74	0.87	1.11	1.05	1.19	1.22	0.73	0.50	0.39	0.30	
22	0.43	1.04	3.05	0.91	1.06	1.01	1.12	1.20	0.73	0.49	0.39	0.30	
23	0.42	0.95	2.93	0.88	1.07	0.98	1.09	1.14	0.72	0.48	0.39	0.30	
24	0.42	0.82	2.41	0.85	1.54	0.96	1.12	1.10	0.71	0.48	0.38	0.29	
25	0.42	0.88	2.22	1.05	1.94	1.06	1.16	1.07	0.71	0.43	0.38	0.29	
26	0.50	0.80	2.03	0.95	1.70	1.05	1.09	1.05	0.70	0.49	0.38	0.28	
27	0.52	0.69	2.03	0.90	1.97	1.36	1.06	1.03	0.69	0.48	0.38	0.28	
28	0.79	0.66	1.83	0.87	1.74	1.23	1.03	1.00	0.68	0.47	0.38	0.27	
29	1.02	0.63	1.59	0.83	1.48	1.18	1.00	1.12	0.68	0.48		0.28	
30	0.83	0.68	1.29	0.80	1.32	1.17	0.98	1.30	0.67	0.53		0.35	
31		0.65		0.76	1.23		0.97		0.66	0.50		0.31	
MEAN	0.44	0.80	1.46	0.93	1.26	1.31	1.46	1.53	1.02	0.55	0.42	0.33	
MAX	1.02	1.52	3.82	1.18	1.97	2.20	2.48	5.02	3.38	0.65	0.49	0.38	5.02
MIN	0.29	0.43	0.55	0.75	0.65	0.96	0.97	0.99	0.66	0.43	0.38	0.27	0.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.30 M (A.D), AT 6.00 HOURS, ON NOV 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.40 M (A.D)
LEFT BANK ELEVATION 10.88 M (A.D)
RIGHT BANK ELEVATION 10.69 M (A.D), DRAINAGE AREA 751 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.50	4.98	5.26	15.80	6.00	17.34	15.30	12.60	17.34	4.70	2.60	1.52	
2	2.10	3.87	4.14	13.08	6.60	14.30	23.76	11.40	92.10	4.70	2.50	1.52	
3	1.80	2.96	3.61	10.92	6.15	13.80	28.90	12.36	112.80	4.56	2.40	1.43	
4	1.70	2.40	3.48	15.30	6.00	18.90	39.00	11.16	24.69	4.56	2.40	1.43	
5	1.61	2.20	3.35	13.80	5.70	18.90	47.88	14.55	16.56	4.42	2.40	1.34	
6	1.43	2.00	3.61	13.08	5.40	51.40	64.06	47.00	14.30	4.28	2.30	1.34	
7	1.25	4.14	3.87	12.36	5.26	43.64	39.76	45.32	13.08	4.28	2.20	1.25	
8	1.16	3.35	3.61	11.64	4.70	51.40	45.74	25.96	12.12	4.14	2.10	1.25	
9	1.07	3.48	3.35	11.40	4.70	39.38	38.26	19.50	11.40	4.00	2.10	1.25	
10	0.98	3.87	9.48	11.16	17.60	33.50	36.41	17.08	10.68	3.87	2.00	1.25	
11	0.89	25.64	10.44	10.44	17.34	24.69	32.42	16.82	10.20	3.74	1.90	1.16	
12	0.80	21.30	11.16	9.24	20.70	22.83	31.70	26.28	9.72	3.09	1.90	1.16	
13	0.72	13.32	25.00	8.16	31.70	19.20	27.88	48.32	9.24	3.61	2.10	1.16	
14	1.16	10.92	18.90	11.16	33.50	16.30	29.95	218.90	8.37	3.48	2.10	1.07	
15	1.07	10.92	10.68	9.48	25.32	14.80	25.64	123.00	7.95	3.48	2.00	1.07	
16	1.07	17.86	11.40	8.37	26.28	13.80	25.00	40.90	7.74	3.35	1.90	0.98	
17	1.07	13.56	9.72	7.95	36.78	13.08	23.76	25.64	7.11	3.22	1.80	0.98	
18	0.98	9.48	13.56	7.11	28.55	14.30	21.90	27.24	6.75	3.22	1.70	0.98	
19	2.20	7.11	42.04	6.45	23.14	14.80	20.70	21.60	6.15	3.09	1.70	0.89	
20	2.00	5.55	139.20	6.15	16.56	15.30	17.86	17.86	6.00	2.83	1.61	0.89	
21	2.10	6.75	134.40	8.37	14.05	12.60	16.05	16.82	5.85	2.70	1.61	0.80	
22	2.00	12.36	93.75	9.24	12.84	11.64	14.30	16.30	5.85	2.60	1.61	0.80	
23	1.90	10.20	87.15	8.58	13.08	10.92	13.56	14.80	5.70	2.50	1.61	0.80	
24	1.90	7.32	60.77	7.95	26.28	10.44	14.30	13.80	5.55	2.50	1.52	0.72	
25	1.90	8.58	52.28	12.60	40.52	12.84	15.30	13.08	5.55	2.00	1.52	0.72	
26	2.70	6.90	44.06	10.20	31.70	12.60	13.56	12.60	5.40	2.60	1.52	0.64	
27	2.96	5.26	44.06	9.00	41.66	20.70	12.84	12.12	5.26	2.50	1.52	0.64	
28	6.75	4.84	36.41	8.37	33.14	17.08	12.12	11.40	5.12	2.40	1.52	0.56	
29	11.88	4.42	27.88	7.53	24.38	15.80	11.40	14.30	5.12	2.50		0.64	
30	7.53	5.12	18.64	6.90	19.50	15.55	10.92	18.90	4.98	3.09		1.25	
31		4.70		6.30	17.08		10.68		4.84	2.70		0.89	
TOTAL	69.18	245.36	935.26	308.09	602.21	611.83	780.91	927.61	463.52	104.71	54.14	32.38	5135.20 CMSDAY
MEAN	2.31	7.91	31.18	9.94	19.43	20.39	25.19	30.92	14.95	3.38	1.93	1.04	14.07 CMS
MAX	11.88	25.64	139.20	15.80	41.66	51.40	64.06	218.90	112.80	4.70	2.60	1.52	218.90 CMS
MIN	0.72	2.00	3.35	6.15	4.70	10.44	10.68	11.16	4.84	2.00	1.52	0.56	0.56 CMS
RUNOFF	5.977	21.199	80.806	26.619	52.031	52.862	67.471	80.146	40.048	9.047	4.678	2.798	443.681 MCM

MOMENTARY PEAK 239.00 CMS, AT 5.30 M (A.D), AT 6.00 HOURS, ON NOV 14, 1985
RUNOFF YIELD 18.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 318.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

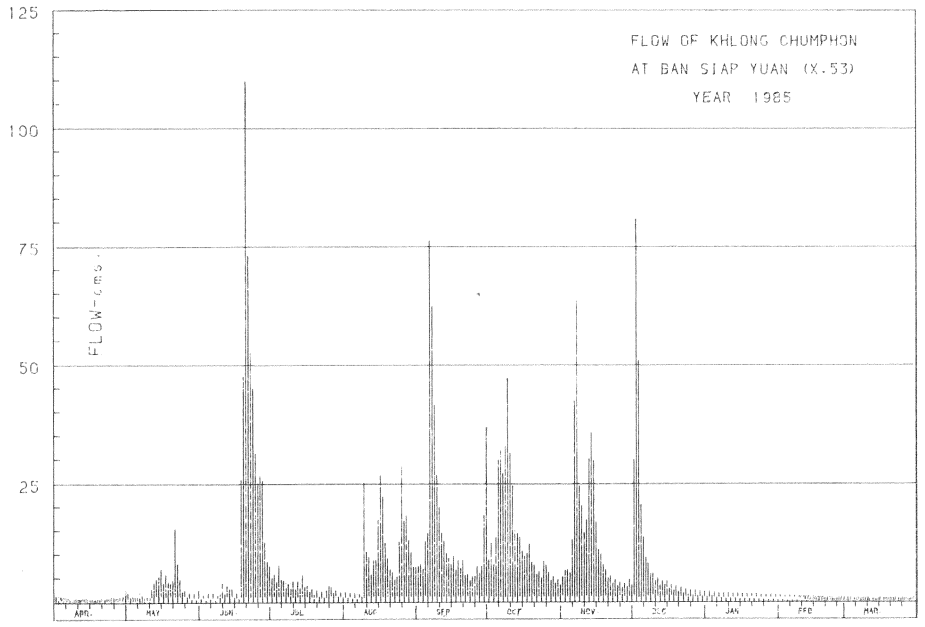
KHLONG CHUMPHON AT BAN SIAP YUAN, CHUMPHON (X.53)

LOCATION	LAT. 10-29-57 N., LONG. 99-04-15 E., ON LEFT BANK UPSTREAM SIDE OF THE BRIDGE NEAR PHAYOM THAWAI SCHOOL, AMPHOE MUANG, CHUMPHON.
DRAINAGE AREA	223 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+9.502 M. (A.D.)
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	1973, 1979 - 1980
RATED BY FLOAT	-
RATED BY CURRENT METER	1973, 1979 - 1980
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 205 DISCHARGE MEASUREMENTS MADE DURING 1973 AND 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	0.67	0.66	0.96	0.68	1.09	1.14	0.92	1.84	0.70	0.62	0.57	
2	0.61	0.62	0.63	0.95	0.68	1.06	1.26	1.04	3.06	0.70	0.62	0.57	
3	0.60	0.60	0.63	0.92	0.67	1.06	1.10	1.00	2.38	0.71	0.61	0.57	
4	0.58	0.58	0.67	1.05	0.66	1.28	1.31	1.02	1.58	0.69	0.61	0.57	
5	0.57	0.58	0.66	0.94	0.66	1.38	1.86	1.29	1.31	0.68	0.61	0.56	
6	0.56	0.68	0.67	0.87	0.65	2.95	1.92	2.19	1.17	0.67	0.61	0.56	
7	0.55	0.62	0.62	0.83	0.65	2.67	1.78	2.68	1.07	0.67	0.61	0.56	
8	0.54	0.59	0.62	0.82	0.70	2.15	1.92	1.70	1.01	0.66	0.61	0.55	
9	0.54	0.58	0.74	0.82	1.70	1.77	2.31	1.55	0.96	0.66	0.60	0.55	
10	0.53	0.59	0.83	0.86	1.22	1.54	1.88	1.38	0.93	0.66	0.60	0.55	
11	0.52	0.74	0.74	0.81	1.13	1.38	1.71	1.45	0.90	0.66	0.60	0.55	
12	0.52	0.91	0.79	0.86	1.00	1.28	1.47	1.87	0.87	0.66	0.60	0.55	
13	0.52	0.89	0.82	0.83	1.10	1.21	1.38	2.00	0.86	0.66	0.60	0.56	
14	0.53	0.98	0.74	0.95	1.15	1.12	1.31	1.86	0.88	0.66	0.59	0.55	
15	0.53	1.01	0.69	0.84	1.45	1.11	1.23	1.43	0.86	0.65	0.59	0.55	
16	0.53	0.90	0.67	0.79	1.77	1.14	1.14	1.24	0.82	0.65	0.58	0.55	
17	0.53	0.95	0.66	0.77	1.61	1.05	1.21	1.16	0.80	0.65	0.58	0.55	
18	0.54	0.92	1.72	0.74	1.30	1.10	1.25	1.10	0.79	0.65	0.58	0.55	
19	0.54	0.83	2.32	0.73	1.12	1.07	1.12	1.00	0.78	0.65	0.58	0.55	
20	0.54	0.94	3.62	0.72	1.05	1.10	1.05	0.96	0.77	0.65	0.57	0.55	
21	0.54	1.38	2.90	0.71	0.98	0.99	1.00	0.93	0.76	0.65	0.57	0.55	
22	0.54	1.11	2.42	0.70	0.94	0.95	0.98	0.90	0.75	0.65	0.57	0.55	
23	0.54	0.89	2.26	0.69	0.92	0.93	0.96	0.88	0.74	0.64	0.57	0.55	
24	0.58	0.77	1.88	0.72	1.31	0.92	1.09	0.86	0.73	0.63	0.57	0.55	
25	0.58	0.72	1.72	0.86	1.80	0.99	1.10	0.84	0.72	0.63	0.56	0.55	
26	0.55	0.70	1.74	0.77	1.47	1.04	0.97	0.83	0.72	0.63	0.56	0.55	
27	0.54	0.67	1.74	0.76	1.48	1.02	0.93	0.82	0.72	0.63	0.56	0.55	
28	0.55	0.65	1.27	0.72	1.32	1.04	0.92	0.85	0.71	0.63	0.56	0.57	
29	0.60	0.66	1.13	0.70	1.18	1.51	0.90	0.89	0.71	0.63		0.57	
30	0.72	0.64	1.04	0.68	1.08	2.03	0.88	0.87	0.70	0.63		0.55	
31		0.72		0.68	1.03		0.87		0.70	0.62		0.55	
MEAN	0.56	0.78	1.25	0.81	1.11	1.33	1.29	1.25	1.02	0.66	0.59	0.56	
MAX	0.72	1.38	3.62	1.05	1.80	2.95	2.31	2.68	3.06	0.71	0.62	0.57	3.62
MIN	0.52	0.58	0.62	0.68	0.65	0.92	0.87	0.82	0.70	0.62	0.56	0.55	0.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.70 M (A.D), AT 15.00 HOURS, ON JUN 20, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.52 M (A.D)
LEFT BANK ELEVATION 9.54 M (A.D)
RIGHT BANK ELEVATION 7.22 M (A.D), DRAINAGE AREA 223 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.30	1.90	1.80	6.08	2.00	8.60	9.68	5.36	30.00	2.20	1.40	0.97	
2	1.30	1.40	1.50	5.90	2.00	8.00	12.44	7.60	81.54	2.20	1.40	0.97	
3	1.20	1.20	1.50	5.36	1.90	8.00	8.80	6.80	50.86	2.34	1.30	0.97	
4	1.04	1.04	1.90	7.80	1.80	12.92	13.66	7.20	21.28	2.10	1.30	0.97	
5	0.97	1.04	1.80	5.72	1.80	15.48	30.70	13.16	13.66	2.00	1.30	0.89	
6	0.89	2.00	1.90	4.58	1.70	76.20	32.82	43.11	10.34	1.90	1.30	0.89	
7	0.81	1.40	1.40	4.02	1.70	63.11	27.92	63.54	8.20	1.90	1.30	0.89	
8	0.73	1.12	1.40	3.88	2.20	41.55	32.82	25.20	7.00	1.80	1.30	0.81	
9	0.73	1.04	2.76	3.88	25.20	27.58	47.92	20.35	6.08	1.80	1.20	0.81	
10	0.65	1.12	4.02	4.44	11.48	20.04	31.40	15.48	5.54	1.80	1.20	0.81	
11	0.58	2.76	2.76	3.74	9.46	15.48	25.54	17.40	5.00	1.80	1.20	0.81	
12	0.58	5.18	3.46	4.44	6.80	12.92	17.96	31.05	4.58	1.80	1.20	0.81	
13	0.58	4.86	3.88	4.02	8.80	11.24	15.48	35.70	4.44	1.80	1.20	0.89	
14	0.65	6.44	2.76	5.90	9.90	9.24	13.66	30.70	4.72	1.80	1.12	0.81	
15	0.65	7.00	2.10	4.16	17.40	9.02	11.72	16.84	4.44	1.70	1.12	0.81	
16	0.65	5.00	1.90	3.46	27.58	9.68	9.68	11.96	3.88	1.70	1.04	0.81	
17	0.65	5.90	1.80	3.18	22.23	7.80	11.24	10.12	3.60	1.70	1.04	0.81	
18	0.73	5.36	25.88	2.76	13.40	8.80	12.20	8.80	3.46	1.70	1.04	0.81	
19	0.73	4.02	48.34	2.62	9.24	8.20	9.24	6.80	3.32	1.70	1.04	0.81	
20	0.73	5.72	109.98	2.48	7.80	8.80	7.80	6.08	3.18	1.70	0.97	0.81	
21	0.73	15.48	73.80	2.34	6.44	6.62	6.80	5.54	3.04	1.70	0.97	0.81	
22	0.73	9.02	52.54	2.20	5.72	5.90	6.44	5.00	2.90	1.70	0.97	0.81	
23	0.73	4.86	45.90	2.10	5.36	5.54	6.08	4.72	2.76	1.60	0.97	0.81	
24	1.04	3.18	31.40	2.48	13.66	5.36	8.60	4.44	2.62	1.50	0.97	0.81	
25	1.04	2.48	25.88	4.44	28.60	6.62	8.80	4.16	2.48	1.50	0.89	0.81	
26	0.81	2.20	26.56	3.18	17.96	7.60	6.26	4.02	2.48	1.50	0.89	0.81	
27	0.73	1.90	26.56	3.04	18.24	7.20	5.54	3.88	2.48	1.50	0.89	0.81	
28	0.81	1.70	12.68	2.48	13.92	7.60	5.36	4.30	2.34	1.50	0.89	0.97	
29	1.20	1.80	9.46	2.20	10.56	19.11	5.00	4.86	2.34	1.50		0.97	
30	2.48	1.60	7.60	2.00	8.40	36.87	4.72	4.58	2.20	1.50		0.81	
31		2.48		2.00	7.40		4.58		2.20	1.40		0.81	
TOTAL	26.45	112.20	535.22	116.88	320.65	491.08	450.86	428.75	302.96	54.34	31.41	26.39	2897.19 CMSDAY
MEAN	0.88	3.62	17.84	3.77	10.34	16.37	14.54	14.29	9.77	1.75	1.12	0.85	7.94 CMS
MAX	2.48	15.48	109.98	7.80	28.60	76.20	47.92	63.54	81.54	2.34	1.40	0.97	109.98 CMS
MIN	0.58	1.04	1.40	2.00	1.70	5.36	4.58	3.88	2.20	1.40	0.89	0.81	0.58 CMS
RUNOFF	2.285	9.694	46.243	10.098	27.704	42.429	38.954	37.044	26.176	4.695	2.714	2.280	250.317 MCM

MOMENTARY PEAK 179.05 CMS, AT 4.70 M (A.D), AT 15.00 HOURS, ON JUN 20, 1985

RUNOFF YIELD 35.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 802.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

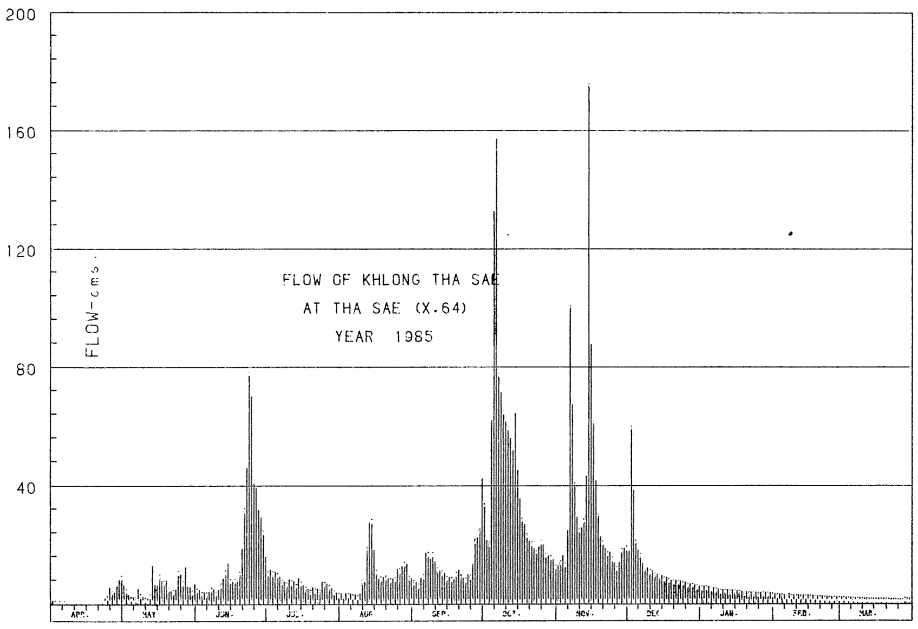
KHLONG THA SAE AT THA SAE, CHUMPHON (X.64)

LOCATION	LAT. 10-39-49 N., LONG. 99-10-17 E., ON LEFT BANK NEAR THE LAND COOPERATION OFFICE, TAMBON BAN THA KHAM, AMPHOE THA SAE, CHUMPHON.
DRAINAGE AREA	957 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+11.196 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	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974-1975, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974-1975, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 83 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.62	0.56	0.84	0.47	0.70	1.65	0.92	1.11	0.60	0.46	0.39	
2	0.29	0.55	0.54	0.87	0.47	0.67	1.25	0.98	2.33	0.60	0.46	0.39	
3	0.29	0.44	0.51	0.84	0.47	0.64	1.23	1.05	1.78	0.60	0.45	0.38	
4	0.29	0.40	0.50	0.84	0.48	0.74	2.38	0.95	1.25	0.59	0.45	0.38	
5	0.29	0.39	0.50	0.82	0.47	0.80	3.91	1.36	1.13	0.58	0.44	0.38	
6	0.28	0.39	0.51	0.77	0.45	1.09	4.32	3.27	1.08	0.57	0.44	0.37	
7	0.28	0.56	0.58	0.71	0.45	1.10	2.76	2.51	0.95	0.56	0.46	0.37	
8	0.27	0.46	0.55	0.68	0.43	1.01	2.61	1.85	0.90	0.55	0.43	0.37	
9	0.27	0.40	0.50	0.66	0.47	1.10	2.46	1.51	0.89	0.54	0.43	0.37	
10	0.27	0.37	0.54	0.72	0.71	0.97	2.37	1.38	0.86	0.54	0.44	0.36	
11	0.26	0.36	0.65	0.70	0.67	0.89	2.33	1.39	0.85	0.54	0.43	0.36	
12	0.26	0.46	0.73	0.69	1.17	0.85	2.23	1.49	0.82	0.54	0.43	0.36	
13	0.25	0.92	0.86	0.64	1.45	0.85	2.16	1.91	0.80	0.53	0.43	0.35	
14	0.25	0.71	0.95	0.74	1.49	0.82	2.44	4.62	0.80	0.53	0.43	0.35	
15	0.24	0.62	0.72	0.68	1.13	0.77	1.99	2.98	0.78	0.53	0.43	0.35	
16	0.24	0.80	0.68	0.62	0.86	0.75	1.70	2.38	0.75	0.52	0.42	0.35	
17	0.24	0.70	0.73	0.59	0.73	0.75	1.50	1.87	0.75	0.52	0.42	0.35	
18	0.24	0.70	0.68	0.56	0.76	0.72	1.43	1.54	0.73	0.51	0.42	0.35	
19	0.24	0.71	0.84	0.54	0.76	0.83	1.32	1.29	0.70	0.51	0.41	0.35	
20	0.25	0.58	1.15	0.58	0.78	0.86	1.24	1.24	0.70	0.50	0.41	0.35	
21	0.25	0.52	1.60	0.56	0.73	0.80	1.23	1.15	0.70	0.50	0.41	0.35	
22	0.32	0.54	1.98	0.56	0.73	0.74	1.15	1.10	0.69	0.50	0.40	0.34	
23	0.36	0.55	2.77	0.54	0.73	0.74	1.12	1.10	0.69	0.49	0.40	0.34	
24	0.42	0.85	2.58	0.68	0.75	0.80	1.17	1.03	0.67	0.49	0.39	0.34	
25	0.58	0.81	1.88	0.67	0.87	0.79	1.25	0.95	0.67	0.49	0.39	0.33	
26	0.52	0.69	1.81	0.65	0.88	0.94	1.20	0.90	0.64	0.49	0.39	0.33	
27	0.50	0.90	1.63	0.62	0.91	1.26	1.08	0.96	0.64	0.50	0.39	0.33	
28	0.68	0.68	1.51	0.57	0.97	1.28	1.05	1.15	0.64	0.49	0.39	0.37	
29	0.71	0.59	1.36	0.53	0.94	1.38	1.05	1.15	0.62	0.49		0.36	
30	0.78	0.53	1.04	0.49	0.77	1.89	1.00	1.18	0.62	0.48		0.35	
31		0.64		0.48	0.74		0.92		0.60	0.48		0.35	
MEAN	0.35	0.59	1.05	0.66	0.76	0.92	1.79	1.57	0.88	0.53	0.42	0.36	
MAX	0.78	0.92	2.77	0.87	1.49	1.89	4.32	4.62	2.33	0.60	0.46	0.39	4.62
MIN	0.24	0.36	0.50	0.48	0.43	0.64	0.92	0.90	0.60	0.48	0.39	0.33	0.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.88 M (A.D), AT 12.00 HOURS, ON NOV 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.19 M (A.D)
LEFT BANK ELEVATION 10.96 M (A.D)
RIGHT BANK ELEVATION 10.10 M (A.D), DRAINAGE AREA 957 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	6.40	5.20	11.00	3.55	8.00	33.95	13.00	17.75	6.00	3.40	2.37	
2	1.13	5.00	4.80	11.75	3.55	7.40	21.50	14.50	60.00	6.00	3.40	2.37	
3	1.13	3.10	4.20	11.00	3.55	6.80	20.90	16.25	38.32	6.00	3.25	2.24	
4	1.13	2.50	4.00	11.00	3.70	8.80	62.00	13.75	21.50	5.80	3.25	2.24	
5	1.13	2.37	4.00	10.50	3.55	10.00	133.77	24.80	18.25	5.60	3.10	2.24	
6	1.06	2.37	4.20	9.40	3.25	17.25	157.20	100.75	17.00	5.40	3.10	2.11	
7	1.06	5.20	5.60	8.20	3.25	17.50	77.84	67.22	13.75	5.20	3.40	2.11	
8	0.99	3.40	5.00	7.60	2.95	15.25	71.42	40.90	12.50	5.00	2.95	2.11	
9	0.99	2.50	4.00	7.20	3.55	17.50	65.20	29.33	12.25	4.80	2.95	2.11	
10	0.99	2.11	4.80	8.40	8.20	14.25	61.60	25.40	11.50	4.80	3.10	1.98	
11	0.92	1.98	7.00	8.00	7.40	12.25	60.00	25.70	11.25	4.80	2.95	1.98	
12	0.92	3.40	8.60	7.80	19.25	11.25	56.00	28.70	10.50	4.80	2.95	1.98	
13	0.85	13.00	11.50	6.80	27.50	11.25	53.20	43.20	10.00	4.60	2.95	1.85	
14	0.85	8.20	13.75	8.80	28.70	10.50	64.40	175.78	10.00	4.60	2.95	1.85	
15	0.78	6.40	8.40	7.60	18.25	9.40	46.40	87.70	9.60	4.60	2.95	1.85	
16	0.78	10.00	7.60	6.40	11.50	9.00	35.60	62.00	9.00	4.40	2.80	1.85	
17	0.78	8.00	8.60	5.80	8.60	9.00	29.00	41.66	9.00	4.40	2.80	1.85	
18	0.78	8.00	7.60	5.20	9.20	8.40	26.90	30.32	8.60	4.20	2.80	1.85	
19	0.78	8.20	11.00	4.80	9.20	10.75	23.60	22.70	8.00	4.20	2.65	1.85	
20	0.85	5.60	18.75	5.60	9.60	11.50	21.20	21.20	8.00	4.00	2.65	1.85	
21	0.85	4.40	32.30	5.20	8.60	10.00	20.90	18.75	8.00	4.00	2.65	1.85	
22	1.46	4.80	46.00	5.20	8.60	8.80	18.75	17.50	7.80	4.00	2.50	1.72	
23	1.98	5.00	78.28	4.80	8.60	8.80	18.00	17.50	7.80	3.85	2.50	1.72	
24	2.80	11.25	70.16	7.60	9.00	10.00	19.25	15.75	7.40	3.85	2.37	1.72	
25	5.60	10.25	42.04	7.40	11.75	9.80	21.50	13.75	7.40	3.85	2.37	1.59	
26	4.40	7.80	39.38	7.00	12.00	13.50	20.00	12.50	6.80	3.85	2.37	1.59	
27	4.00	12.50	33.29	6.40	12.75	21.80	17.00	14.00	6.80	4.00	2.37	1.59	
28	7.60	7.60	29.33	5.40	14.25	22.40	16.25	18.75	6.80	3.85	2.37	2.11	
29	8.20	5.80	24.80	4.60	13.50	25.40	16.25	18.75	6.40	3.85		1.98	
30	9.60	4.60	16.00	3.85	9.40	42.42	15.00	19.50	6.40	3.70		1.85	
31		6.80		3.70	8.80		13.00		6.00	3.70		1.85	
TOTAL	65.59	188.53	560.18	224.00	305.55	398.97	1317.58	1051.61	394.37	141.70	79.85	60.21	4788.14 CMSDAY
MEAN	2.19	6.08	18.67	7.23	9.86	13.30	42.50	35.05	12.72	4.57	2.85	1.94	13.12 CMS
MAX	9.60	13.00	78.28	11.75	28.70	42.42	157.20	175.78	60.00	6.00	3.40	2.37	175.78 CMS
MIN	0.78	1.98	4.00	3.70	2.95	6.80	13.00	12.50	6.00	3.70	2.37	1.59	0.78 CMS
RUNOFF	5.667	16.289	48.400	19.354	26.400	34.471	113.839	90.859	34.074	12.243	6.899	5.202	413.695 MCM

MOMENTARY PEAK 192.60 CMS, AT 4.88 M (A.D), AT 12.00 HOURS, ON NOV 14, 1985
RUNOFF YIELD 13.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 201.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

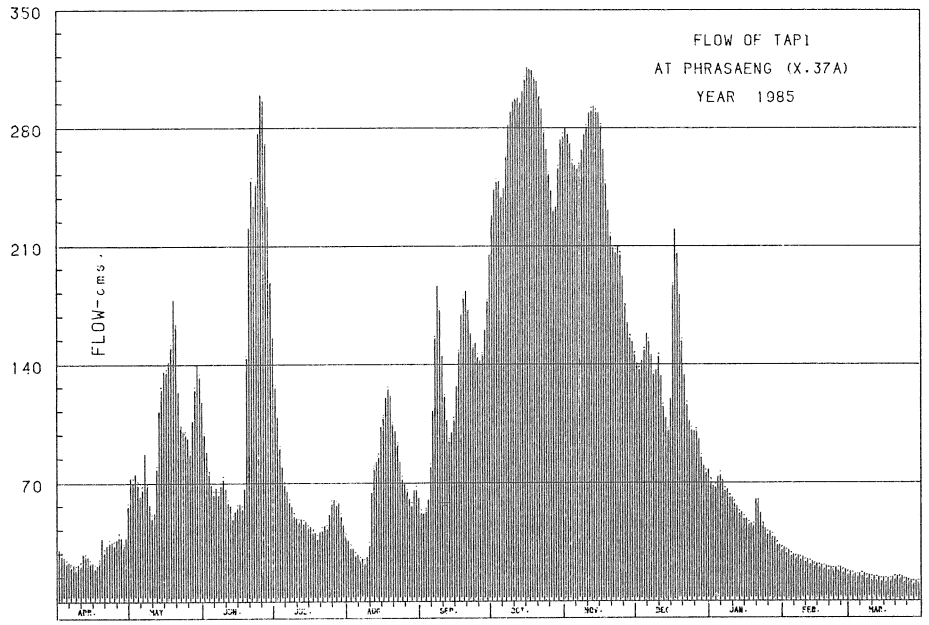
TAPI RIVER AT PHRASAENG, SURAT THANI (X.37A)

LOCATION	LAT. 8-34-03 N., LONG. 99-15-15 E., ON LEFT BANK AT TAMBON YAN DIN DAENG, AMPHOE PHRASAENG, SURAT THANI.
DRAINAGE AREA	5,200 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+4.80 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+10.240 M.(M.S.L.)
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 FLOAT	-
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 60 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.85	6.68	7.13	7.60	5.96	6.32	8.97	9.60	7.78	6.67	5.87	5.53	
2	5.82	6.68	6.94	7.28	5.91	6.27	9.14	9.58	7.75	6.60	5.85	5.52	
3	5.75	6.72	6.75	7.00	5.86	6.34	9.22	9.48	7.80	6.62	5.84	5.50	
4	5.71	6.65	6.61	6.79	5.82	6.44	9.20	9.36	7.91	6.69	5.81	5.50	
5	5.68	6.48	6.54	6.64	5.79	6.82	9.11	9.32	8.03	6.74	5.78	5.50	
6	5.66	6.60	6.58	6.54	5.75	7.34	9.15	9.32	7.99	6.66	5.77	5.52	
7	5.64	6.92	6.54	6.45	5.73	8.01	9.40	9.34	7.85	6.58	5.77	5.50	
8	5.63	6.63	6.60	6.36	5.72	8.43	9.62	9.46	7.71	6.56	5.76	5.48	
9	5.65	6.38	6.70	6.28	5.75	8.25	9.74	9.55	7.72	6.50	5.75	5.48	
10	5.68	6.26	6.57	6.22	5.94	7.84	9.79	9.62	7.86	6.46	5.72	5.47	
11	5.80	6.28	6.44	6.21	6.52	7.50	9.83	9.71	7.67	6.43	5.71	5.46	
12	5.80	6.80	6.37	6.21	6.80	7.25	9.82	9.75	7.41	6.36	5.70	5.46	
13	5.76	7.34	6.25	6.20	6.84	7.07	9.81	9.76	7.27	6.31	5.68	5.45	
14	5.71	7.58	6.30	6.18	6.92	7.13	9.87	9.74	7.17	6.29	5.66	5.44	
15	5.67	7.71	6.38	6.14	7.18	7.28	9.97	9.71	7.46	6.25	5.65	5.44	
16	5.64	7.73	6.39	6.12	7.30	7.58	10.03	9.63	8.45	6.21	5.64	5.44	
17	5.63	7.79	6.37	6.09	7.47	7.89	10.04	9.44	8.85	6.18	5.63	5.43	
18	5.72	7.94	6.57	6.05	7.58	8.19	10.01	9.21	8.69	6.15	5.63	5.44	
19	5.98	8.32	7.85	6.02	7.49	8.35	9.98	8.99	8.36	6.16	5.62	5.45	
20	5.86	8.11	8.86	6.06	7.23	8.39	9.94	8.82	7.99	6.44	5.60	5.47	
21	5.90	7.53	9.23	6.12	7.14	8.26	9.85	8.71	7.68	6.44	5.60	5.46	
22	5.97	7.20	9.02	6.13	7.03	8.03	9.74	8.70	7.43	6.28	5.59	5.47	
23	5.94	7.14	9.20	6.14	6.84	7.93	9.58	8.72	7.24	6.16	5.59	5.46	
24	5.95	7.14	9.56	6.26	6.70	7.95	9.44	8.68	7.18	6.10	5.60	5.43	
25	5.97	7.07	9.87	6.43	6.62	7.86	9.27	8.50	7.14	6.07	5.60	5.43	
26	6.05	6.95	9.80	6.44	6.56	7.80	9.13	8.28	7.17	6.06	5.57	5.41	
27	5.99	7.24	9.50	6.42	6.45	7.87	9.00	8.12	7.06	6.04	5.56	5.40	
28	5.92	7.58	9.02	6.40	6.41	8.06	9.01	8.02	6.91	5.99	5.54	5.40	
29	5.99	7.77	8.48	6.28	6.55	8.32	9.32	7.96	6.80	5.94		5.39	
30	6.40	7.69	8.00	6.14	6.60	8.66	9.51	7.87	6.76	5.90		5.40	
31		7.43		6.04	6.46		9.56		6.76	5.88		5.41	
MEAN	5.82	7.17	7.55	6.36	6.55	7.65	9.55	9.10	7.61	6.31	5.68	5.46	
MAX	6.40	8.32	9.87	7.60	7.58	8.66	10.04	9.76	8.85	6.74	5.87	5.53	10.04
MIN	5.63	6.26	6.25	6.02	5.72	6.27	8.97	7.87	6.76	5.88	5.54	5.39	5.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.04 M (MSL), AT 12.00 HOURS, ON OCT 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 4.80 M (MSL), RIVER BED 3.85 M (MSL)
LEFT BANK ELEVATION 10.48 M (MSL)
RIGHT BANK ELEVATION 10.66 M (MSL), DRAINAGE AREA 5200 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.50	72.80	99.80	128.00	36.00	54.00	229.60	280.00	140.60	72.20	31.50	17.20	
2	29.00	72.80	88.40	108.80	33.50	51.50	243.20	278.40	138.50	68.00	30.50	16.80	
3	26.00	75.20	77.00	92.00	31.00	55.00	249.60	270.40	142.00	69.20	30.00	16.00	
4	24.40	71.00	68.60	79.40	29.00	60.00	248.00	260.80	149.70	73.40	28.50	16.00	
5	23.20	62.00	65.00	70.40	27.60	81.20	240.80	257.60	158.10	76.40	27.20	16.00	
6	22.40	68.00	67.00	65.00	26.00	112.40	244.00	257.60	155.30	71.60	26.80	16.80	
7	21.60	87.20	65.00	60.50	25.20	156.70	264.00	259.20	145.50	67.00	26.80	16.00	
8	21.20	69.80	68.00	56.00	24.80	186.40	281.60	268.80	135.70	66.00	26.40	15.20	
9	22.00	57.00	74.00	52.00	26.00	173.50	291.20	276.00	136.40	63.00	26.00	15.20	
10	23.20	51.00	66.50	49.00	35.00	144.80	295.20	281.60	146.20	61.00	24.80	14.80	
11	28.00	52.00	60.00	48.50	64.00	122.00	298.40	288.80	132.90	59.50	24.40	14.40	
12	28.00	80.00	56.50	48.50	80.00	107.00	297.60	292.00	116.60	56.00	24.00	14.40	
13	26.40	112.40	50.50	48.00	82.40	96.20	296.80	292.80	108.20	53.50	23.20	14.00	
14	24.40	126.80	53.00	47.00	87.20	99.80	301.60	291.20	102.20	52.50	22.40	13.60	
15	22.80	135.70	57.00	45.00	102.80	108.80	310.30	288.80	119.60	50.50	22.00	13.60	
16	21.60	137.10	57.50	44.00	110.00	126.80	315.70	282.40	188.00	48.50	21.60	13.60	
17	21.20	141.30	56.50	42.50	120.20	148.30	316.60	267.20	220.00	47.00	21.20	13.20	
18	24.80	151.80	66.50	40.50	126.80	169.30	313.90	248.80	207.20	45.50	21.20	13.60	
19	37.00	178.40	145.50	39.00	121.40	180.50	311.20	231.20	181.20	46.00	20.80	14.00	
20	31.00	163.70	220.80	41.00	105.80	183.30	307.60	217.60	155.30	60.00	20.00	14.80	
21	33.00	123.80	250.40	44.00	100.40	174.20	300.00	208.80	133.60	60.00	20.00	14.40	
22	36.50	104.00	233.60	44.50	93.80	158.10	291.20	208.00	117.80	52.00	19.60	14.80	
23	35.00	100.40	248.00	45.00	82.40	151.10	278.40	209.60	106.40	46.00	19.60	14.40	
24	35.50	100.40	276.80	51.00	74.00	152.50	267.20	206.40	102.80	43.00	20.00	13.20	
25	36.50	96.20	301.60	59.50	69.20	146.20	253.60	192.00	100.40	41.50	20.00	13.20	
26	40.50	89.00	296.00	60.00	66.00	142.00	242.40	175.60	102.20	41.00	18.80	12.40	
27	37.50	106.40	272.00	59.00	60.50	146.90	232.00	164.40	95.60	40.00	18.40	12.00	
28	34.00	126.80	233.60	58.00	58.50	160.20	232.80	157.40	86.60	37.50	17.60	12.00	
29	37.50	139.90	190.40	52.00	65.50	178.40	257.60	153.20	80.00	35.00		11.70	
30	58.00	134.30	156.00	45.00	68.00	204.80	272.80	146.90	77.60	33.00		12.00	
31		117.80		40.00	61.00		276.80		77.60	32.00		12.40	
TOTAL	892.70	3205.00	4021.50	1763.10	2094.00	4031.90	8561.70	7213.50	4059.80	1667.80	653.30	441.70	38606.00 CMSDAY
MEAN	29.76	103.39	134.05	56.87	67.55	134.40	276.18	240.45	130.96	53.80	23.33	14.25	105.77 CMS
MAX	58.00	178.40	301.60	128.00	126.80	204.80	316.60	292.80	220.00	76.40	31.50	17.20	316.60 CMS
MIN	21.20	51.00	50.50	39.00	24.80	51.50	229.60	146.90	77.60	32.00	17.60	11.70	11.70 CMS
RUNOFF	77.129	276.912	347.458	152.332	180.922	348.356	739.731	623.246	350.767	144.098	56.445	38.163	3335.559 MCM

MOMENTARY PEAK 316.60 CMS, AT 10.04 M (MSL), AT 12.00 HOURS, ON OCT 16, 1985

RUNOFF YIELD 20.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 60.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

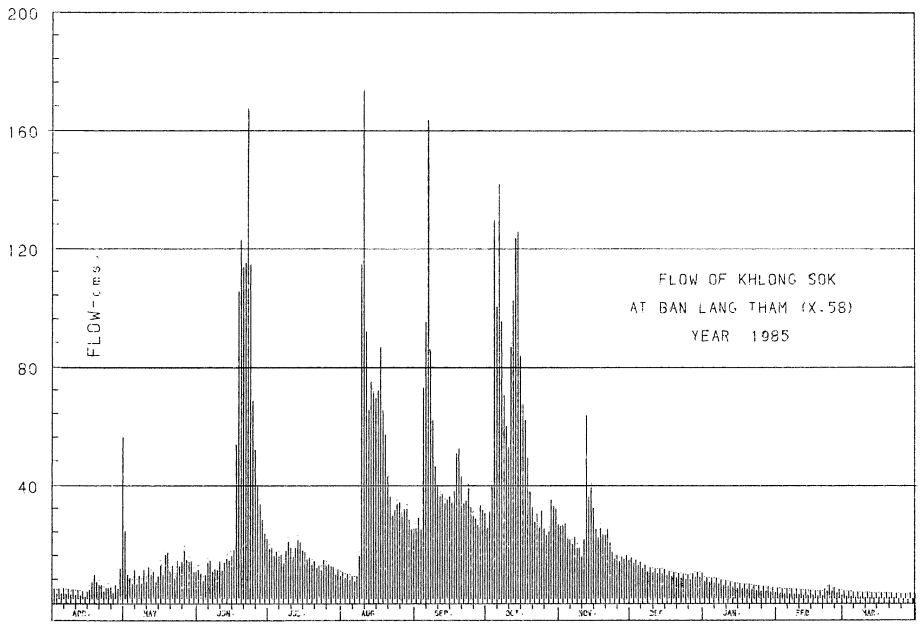
KHLONG SOK AT BAN LANG THAM, SURAT THANI (X.58)

LOCATION	LAT. 8-53-05 N., LONG. 98-40-06 E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THE BRIDGE OF TAKUAPA-SURAT THANI HIGHWAY, AMPHOE PHANOM, SURAT THANI.
DRAINAGE AREA	312 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.).
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ABOUT 12 METERS FROM THE TOP STAFF GAGE, B.M.2 ABOUT 11.5 METERS FROM B.M.1.
ELEVATION	B.M.1 =+7.055 M (A.D.), B.M.2 =+6.942 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	1972-1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1980.
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 1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	1.23	0.80	1.07	0.68	1.32	1.31	1.29	0.90	0.60	0.41	0.35	
2	0.38	0.70	0.66	1.03	0.66	1.39	1.46	1.35	0.89	0.59	0.41	0.34	
3	0.40	0.58	0.61	0.98	0.65	1.30	1.78	1.32	0.87	0.59	0.40	0.34	
4	0.40	0.56	0.63	0.98	0.63	2.65	3.88	1.19	0.86	0.58	0.40	0.34	
5	0.41	0.71	0.89	0.98	0.61	3.19	3.30	1.13	0.84	0.58	0.40	0.32	
6	0.39	0.56	0.86	0.94	0.61	4.52	4.12	1.13	0.82	0.58	0.39	0.32	
7	0.39	0.62	0.77	0.88	0.61	2.97	3.19	1.16	0.80	0.57	0.39	0.32	
8	0.38	0.57	0.73	0.99	0.98	2.37	2.59	1.08	0.77	0.55	0.39	0.32	
9	0.38	0.72	0.80	1.16	3.58	1.96	2.35	1.03	0.76	0.54	0.39	0.31	
10	0.37	0.60	0.85	1.03	4.72	1.74	2.11	0.97	0.75	0.54	0.38	0.31	
11	0.37	0.76	0.78	0.97	3.09	1.67	3.00	1.13	0.74	0.53	0.38	0.32	
12	0.36	0.72	0.83	1.03	2.49	1.65	3.32	2.45	0.74	0.52	0.37	0.31	
13	0.34	0.69	0.95	1.18	2.70	1.60	3.78	1.62	0.74	0.51	0.37	0.31	
14	0.33	0.59	0.86	1.10	2.64	1.59	3.80	1.76	0.74	0.50	0.36	0.30	
15	0.33	0.61	0.99	1.05	2.56	1.67	2.93	1.50	0.73	0.49	0.36	0.30	
16	0.46	0.86	1.00	0.98	2.66	1.56	2.51	1.31	0.71	0.49	0.36	0.31	
17	0.51	0.63	2.17	0.94	2.97	1.72	2.41	1.15	0.70	0.49	0.35	0.30	
18	0.71	1.00	3.39	0.90	2.48	2.05	2.01	1.32	0.69	0.48	0.35	0.30	
19	0.51	0.97	3.77	0.87	2.23	2.14	1.71	1.19	0.68	0.48	0.35	0.31	
20	0.54	0.76	3.56	0.85	1.86	1.83	1.51	1.24	0.67	0.48	0.35	0.31	
21	0.46	0.79	3.62	0.83	1.62	1.59	1.39	1.26	0.66	0.47	0.39	0.30	
22	0.43	0.65	4.59	0.79	1.46	1.58	1.44	1.14	0.66	0.46	0.44	0.30	
23	0.41	0.86	3.60	0.79	1.48	1.75	1.32	0.98	0.65	0.45	0.46	0.29	
24	0.49	0.85	2.54	0.87	1.59	1.51	1.47	0.95	0.64	0.45	0.45	0.29	
25	0.42	0.84	2.12	0.85	1.56	1.46	1.31	0.94	0.64	0.44	0.42	0.28	
26	0.41	1.05	1.74	0.81	1.45	1.38	1.18	0.91	0.64	0.44	0.41	0.28	
27	0.46	0.87	1.59	0.85	1.49	1.36	1.28	0.91	0.66	0.44	0.38	0.28	
28	0.48	0.91	1.37	0.77	1.54	1.53	1.59	0.94	0.68	0.43	0.37	0.27	
29	0.74	0.85	1.26	0.72	1.37	1.53	1.57	0.93	0.68	0.43		0.30	
30	2.24	0.76	1.14	0.73	1.30	1.44	1.49	0.93	0.68	0.42		0.28	
31		0.69		0.70	1.26		1.36		0.67	0.42		0.27	
MEAN	0.50	0.76	1.65	0.92	1.79	1.87	2.21	1.21	0.73	0.50	0.39	0.31	
MAX	2.24	1.23	4.59	1.18	4.72	4.52	4.12	2.45	0.90	0.60	0.46	0.35	4.72
MIN	0.33	0.56	0.61	0.70	0.61	1.30	1.18	0.91	0.64	0.42	0.35	0.27	0.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.28 M (A.D), AT 9.00 HOURS, ON AUG 10, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.30 M (A.D)
LEFT BANK ELEVATION 10.60 M (A.D)
RIGHT BANK ELEVATION 11.30 M (A.D), DRAINAGE AREA 312 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.00	24.44	13.00	19.96	10.60	26.96	26.68	26.12	15.50	9.00	5.20	4.25	
2	4.70	11.00	10.20	18.84	10.20	28.92	31.06	27.80	15.25	8.80	5.20	4.10	
3	5.00	8.60	9.20	17.50	10.00	26.40	41.34	26.96	14.75	8.80	5.00	4.10	
4	5.00	8.20	9.60	17.50	9.60	73.00	129.60	23.32	14.50	8.60	5.00	4.10	
5	5.20	11.20	15.25	17.50	9.20	96.55	101.50	21.64	14.00	8.60	5.00	3.80	
6	4.85	8.20	14.50	16.50	9.20	163.60	141.84	21.64	13.50	8.60	4.85	3.80	
7	4.85	9.40	12.40	15.00	9.20	86.65	96.55	22.48	13.00	8.40	4.85	3.80	
8	4.70	8.40	11.60	17.75	17.50	61.95	70.60	20.24	12.40	8.00	4.85	3.80	
9	4.70	11.40	13.00	22.48	114.64	47.60	61.25	18.84	12.20	7.80	4.85	3.65	
10	4.55	9.00	14.25	18.84	174.60	40.02	52.85	17.25	12.00	7.80	4.70	3.65	
11	4.55	12.20	12.60	17.25	92.05	37.71	88.00	21.64	11.80	7.60	4.70	3.80	
12	4.40	11.40	13.75	18.84	66.60	37.05	102.40	65.00	11.80	7.40	4.55	3.65	
13	4.10	10.80	16.75	23.04	75.00	35.40	124.60	36.06	11.80	7.20	4.55	3.65	
14	3.95	8.80	14.50	20.80	72.60	35.09	125.60	40.68	11.80	7.00	4.40	3.50	
15	3.95	9.20	17.75	19.40	69.40	37.71	84.85	32.30	11.60	6.80	4.40	3.50	
16	6.20	14.50	18.00	17.50	73.40	34.16	67.40	26.68	11.20	6.80	4.40	3.65	
17	7.20	9.60	54.95	16.50	86.65	39.36	63.40	22.20	11.00	6.80	4.25	3.50	
18	11.20	18.00	105.55	15.50	66.20	50.75	49.35	26.96	10.80	6.60	4.25	3.50	
19	7.20	17.25	124.10	14.75	57.05	53.90	39.03	23.32	10.60	6.60	4.25	3.65	
20	7.80	12.20	113.68	14.25	44.10	43.05	32.61	24.72	10.40	6.60	4.25	3.65	
21	6.20	12.80	116.60	13.75	36.06	35.09	28.92	25.28	10.20	6.40	4.85	3.50	
22	5.60	10.00	167.45	12.80	31.06	34.78	30.44	21.92	10.20	6.20	5.80	3.50	
23	5.20	14.50	115.60	12.80	31.68	40.35	26.96	17.50	10.00	6.00	6.20	3.35	
24	6.80	14.25	68.60	14.75	35.09	32.61	31.37	16.75	9.80	6.00	6.00	3.35	
25	5.40	14.00	53.20	14.25	34.16	31.06	26.68	16.50	9.80	5.80	5.40	3.20	
26	5.20	19.40	40.02	13.25	30.75	28.64	23.04	15.75	9.80	5.80	5.20	3.20	
27	6.20	14.75	35.09	14.25	31.99	28.08	25.84	15.75	10.20	5.80	4.70	3.20	
28	6.60	15.75	28.36	12.40	33.54	33.23	35.09	16.50	10.60	5.60	4.55	3.05	
29	11.80	14.25	25.28	11.40	28.36	33.23	34.47	16.25	10.60	5.60		3.50	
30	57.40	12.20	21.92	11.60	26.40	30.44	31.99	16.25	10.60	5.40		3.20	
31		10.80		11.00	25.28		28.08		10.40	5.40		3.05	
TOTAL	225.50	386.49	1286.75	501.95	1422.16	1383.34	1853.39	724.30	362.10	217.80	136.20	111.20	8611.18 CMSDAY
MEAN	7.52	12.47	42.89	16.19	45.88	46.11	59.79	24.14	11.68	7.03	4.86	3.59	23.59 CMS
MAX	57.40	24.44	167.45	23.04	174.60	163.60	141.84	65.00	15.50	9.00	6.20	4.25	174.60 CMS
MIN	3.95	8.20	9.20	11.00	9.20	26.40	23.04	15.75	9.80	5.40	4.25	3.05	3.05 CMS
RUNOFF	19.483	33.393	111.175	43.368	122.875	119.521	160.133	62.580	31.285	18.818	11.768	9.608	744.006 MCM

MOMENTARY PEAK 205.80 CMS, AT 5.28 M (A.D), AT 9.00 HOURS, ON AUG 10, 1985

RUNOFF YIELD 75.62 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 659.62 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

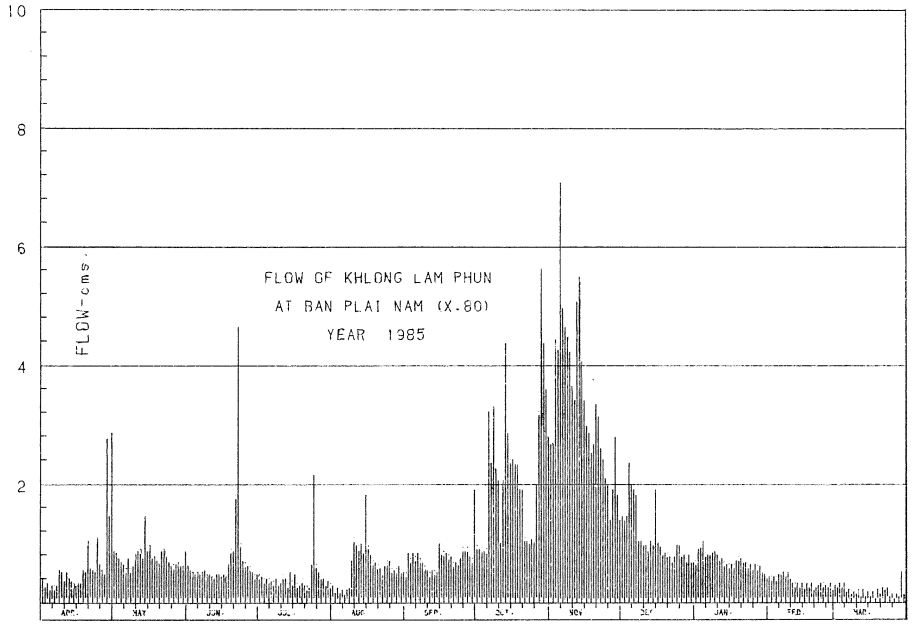
KHLONG LAM PHUN AT BAN PLAI NAM, SURAT THANI (X.80)

LOCATION	LAT. 8-52-23 N., LONG. 99-25-59 E., ON LEFT BANK AT BAN PLAI NAM, TAMBON LAM PHUN, AMPHOE BAN NA SAN, SURAT THANI.
DRAINAGE AREA	114 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M. -H.D.
LOCATION	ON LEFT BANK INFRONT OF THE KHAO NOI SCHOOL AND ABOUT 2 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+2.743 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	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +0.67 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.51	0.43	0.39	0.34	0.40	0.54	0.70	0.59	0.46	0.38	0.34	
2	0.35	0.50	0.41	0.38	0.33	0.50	0.52	0.71	0.59	0.52	0.38	0.35	
3	0.35	0.47	0.40	0.37	0.33	0.47	0.53	0.88	0.59	0.55	0.38	0.35	
4	0.34	0.45	0.39	0.37	0.33	0.50	0.51	0.87	0.67	0.56	0.38	0.35	
5	0.34	0.44	0.40	0.37	0.32	0.48	0.52	1.08	0.62	0.50	0.39	0.35	
6	0.34	0.42	0.39	0.36	0.32	0.50	0.76	0.93	0.62	0.49	0.41	0.33	
7	0.34	0.47	0.40	0.36	0.32	0.47	0.67	0.90	0.60	0.51	0.40	0.32	
8	0.41	0.42	0.41	0.37	0.35	0.45	0.77	0.89	0.58	0.50	0.40	0.32	
9	0.40	0.43	0.39	0.36	0.46	0.43	0.66	0.86	0.56	0.53	0.40	0.31	
10	0.38	0.49	0.39	0.35	0.58	0.41	0.63	0.81	0.56	0.49	0.39	0.32	
11	0.40	0.51	0.38	0.39	0.54	0.40	0.57	0.78	0.54	0.48	0.35	0.32	
12	0.37	0.52	0.37	0.37	0.54	0.41	0.63	0.94	0.53	0.47	0.35	0.31	
13	0.36	0.47	0.39	0.35	0.55	0.41	0.88	0.97	0.56	0.45	0.35	0.32	
14	0.35	0.59	0.39	0.40	0.52	0.40	0.72	0.85	0.56	0.44	0.35	0.31	
15	0.34	0.51	0.38	0.36	0.60	0.57	0.67	0.78	0.61	0.44	0.35	0.31	
16	0.35	0.54	0.39	0.39	0.54	0.49	0.67	0.74	0.57	0.44	0.35	0.31	
17	0.35	0.47	0.38	0.35	0.49	0.51	0.67	0.72	0.53	0.44	0.35	0.31	
18	0.41	0.48	0.44	0.34	0.46	0.50	0.66	0.69	0.51	0.46	0.35	0.30	
19	0.40	0.46	0.52	0.37	0.45	0.49	0.62	0.70	0.50	0.48	0.35	0.32	
20	0.56	0.44	0.51	0.34	0.44	0.48	0.61	0.78	0.50	0.47	0.34	0.32	
21	0.42	0.51	0.60	0.34	0.42	0.45	0.58	0.75	0.48	0.47	0.33	0.33	
22	0.41	0.52	0.90	0.33	0.41	0.45	0.56	0.70	0.47	0.45	0.36	0.34	
23	0.40	0.48	0.55	0.46	0.43	0.46	0.57	0.67	0.48	0.44	0.35	0.33	
24	0.58	0.45	0.46	0.64	0.46	0.47	0.57	0.64	0.56	0.44	0.35	0.31	
25	0.44	0.43	0.45	0.44	0.46	0.53	0.58	0.62	0.54	0.43	0.34	0.30	
26	0.41	0.44	0.43	0.40	0.42	0.51	0.62	0.59	0.50	0.44	0.35	0.30	
27	0.39	0.44	0.43	0.39	0.41	0.53	0.76	0.61	0.49	0.43	0.35	0.30	
28	0.71	0.45	0.40	0.37	0.42	0.48	0.98	0.72	0.47	0.43	0.34	0.31	
29	0.59	0.43	0.39	0.36	0.43	0.47	0.88	0.60	0.49	0.42		0.40	
30	0.72	0.43	0.39	0.36	0.42	0.61	0.80	0.59	0.47	0.39		0.32	
31		0.51		0.35	0.40		0.72		0.45	0.39		0.30	
MEAN	0.42	0.47	0.44	0.38	0.44	0.47	0.66	0.77	0.54	0.46	0.36	0.32	
MAX	0.72	0.59	0.90	0.64	0.60	0.61	0.98	1.08	0.67	0.56	0.41	0.40	1.08
MIN	0.34	0.42	0.37	0.33	0.32	0.40	0.51	0.59	0.45	0.39	0.33	0.30	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.50 M (A.D), AT 18.00 HOURS, ON OCT 28, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.28 M (A.D)
LEFT BANK ELEVATION 1.20 M (A.D)
RIGHT BANK ELEVATION 0.66 M (A.D), DRAINAGE AREA 114 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	0.87	0.62	0.48	0.29	0.52	0.97	2.67	1.46	0.71	0.44	0.29	
2	0.33	0.84	0.55	0.44	0.25	0.84	0.91	2.76	1.46	0.91	0.44	0.33	
3	0.33	0.75	0.52	0.41	0.25	0.75	0.94	4.44	1.46	1.00	0.44	0.33	
4	0.29	0.68	0.48	0.41	0.25	0.84	0.87	4.34	2.42	1.04	0.44	0.33	
5	0.29	0.65	0.52	0.41	0.22	0.78	0.91	7.09	1.99	0.84	0.48	0.33	
6	0.29	0.58	0.48	0.37	0.22	0.84	3.23	5.02	1.99	0.81	0.55	0.25	
7	0.29	0.75	0.52	0.37	0.22	0.75	2.42	4.65	1.82	0.87	0.52	0.22	
8	0.55	0.58	0.55	0.41	0.33	0.68	3.32	4.55	1.10	0.84	0.52	0.22	
9	0.52	0.62	0.48	0.37	0.71	0.62	2.33	4.23	1.04	0.94	0.52	0.18	
10	0.44	0.81	0.48	0.33	1.10	0.55	2.07	3.71	1.04	0.81	0.48	0.22	
11	0.52	0.87	0.44	0.48	0.97	0.52	1.07	3.41	0.97	0.78	0.33	0.22	
12	0.41	0.91	0.41	0.41	0.97	0.55	2.07	5.14	0.94	0.75	0.33	0.18	
13	0.37	0.75	0.48	0.33	1.00	0.55	4.44	5.50	1.04	0.68	0.33	0.22	
14	0.33	1.46	0.48	0.52	0.91	0.52	2.86	4.13	1.04	0.65	0.33	0.18	
15	0.29	0.87	0.44	0.37	1.82	1.07	2.42	3.41	1.91	0.65	0.33	0.18	
16	0.33	0.97	0.48	0.48	0.97	0.81	2.42	3.04	1.07	0.65	0.33	0.18	
17	0.33	0.75	0.44	0.33	0.81	0.87	2.42	2.86	0.94	0.65	0.33	0.18	
18	0.55	0.78	0.65	0.29	0.71	0.84	2.33	2.59	0.87	0.71	0.33	0.14	
19	0.52	0.71	0.91	0.41	0.68	0.81	1.99	2.67	0.84	0.78	0.33	0.22	
20	1.04	0.65	0.87	0.29	0.65	0.78	1.91	3.41	0.84	0.75	0.29	0.22	
21	0.58	0.87	1.82	0.29	0.58	0.68	1.10	3.14	0.78	0.75	0.25	0.25	
22	0.55	0.91	4.65	0.25	0.55	0.68	1.04	2.67	0.75	0.68	0.37	0.29	
23	0.52	0.78	1.00	0.71	0.62	0.71	1.07	2.42	0.78	0.65	0.33	0.25	
24	1.10	0.68	0.71	2.16	0.71	0.75	1.07	2.16	1.04	0.65	0.33	0.18	
25	0.65	0.62	0.68	0.65	0.71	0.94	1.10	1.99	0.97	0.62	0.29	0.14	
26	0.55	0.65	0.62	0.52	0.58	0.87	1.99	1.46	0.84	0.65	0.33	0.14	
27	0.48	0.65	0.62	0.48	0.55	0.94	3.23	1.91	0.81	0.62	0.33	0.14	
28	2.76	0.68	0.52	0.41	0.58	0.78	5.63	2.86	0.75	0.62	0.29	0.18	
29	1.46	0.62	0.48	0.37	0.62	0.75	4.44	1.82	0.81	0.58		0.52	
30	2.86	0.62	0.48	0.37	0.58	1.91	3.60	1.46	0.75	0.48		0.22	
31		0.87		0.33	0.52		2.86		0.68	0.48		0.14	
TOTAL	19.94	23.80	22.38	14.45	19.93	23.50	69.03	101.51	35.20	22.60	10.61	7.07	370.02 CMSDAY
MEAN	0.66	0.77	0.75	0.47	0.64	0.78	2.23	3.38	1.14	0.73	0.38	0.23	1.01 CMS
MAX	2.86	1.46	4.65	2.16	1.82	1.91	5.63	7.09	2.42	1.04	0.55	0.52	7.09 CMS
MIN	0.29	0.58	0.41	0.25	0.22	0.52	0.87	1.46	0.68	0.48	0.25	0.14	0.14 CMS
RUNOFF	1.723	2.056	1.934	1.248	1.722	2.030	5.964	8.770	3.041	1.953	0.917	0.611	31.970 MCM

MOMENTARY PEAK 23.20 CMS, AT 1.50 M (A.D), AT 18.00 HOURS, ON OCT 28, 1985

RUNOFF YIELD 8.89 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 203.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

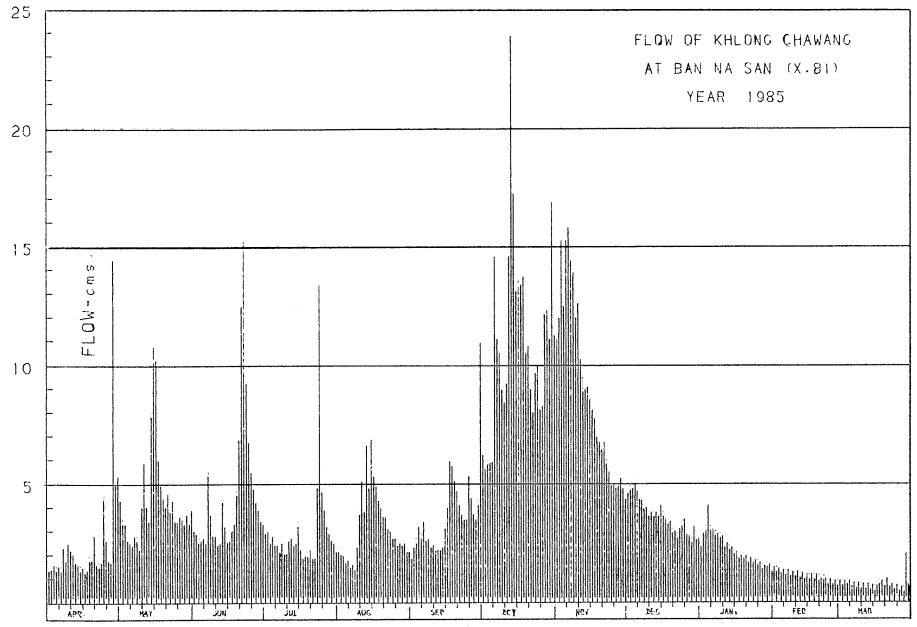
KHLONG CHAWANG AT BAN NA SAN, SURAT THANI (X.81)

LOCATION	LAT. 8-48-16 N., LONG. 99-22-27 E., ON LEFT BANK AT BAN NA SAN, TAMBON BAN NA SAN, AMPHOE BAN NA SAN, SURAT THANI.
DRAINAGE AREA	219.SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE PUMPING STATION.
ELEVATION	+3.797 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	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 53 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.26	1.58	1.47	1.46	1.36	1.35	1.77	2.12	1.61	1.40	1.28	1.18	
2	1.30	1.50	1.44	1.45	1.37	1.38	1.71	2.19	1.64	1.44	1.28	1.18	
3	1.30	1.48	1.42	1.42	1.34	1.42	1.74	2.38	1.63	1.47	1.27	1.18	
4	1.29	1.43	1.41	1.43	1.33	1.47	1.73	2.22	1.67	1.56	1.27	1.19	
5	1.29	1.40	1.44	1.41	1.32	1.44	1.75	2.38	1.62	1.47	1.26	1.18	
6	1.29	1.41	1.40	1.39	1.31	1.49	2.34	2.42	1.60	1.46	1.26	1.17	
7	1.38	1.43	1.70	1.38	1.30	1.43	2.13	2.33	1.58	1.45	1.26	1.16	
8	1.34	1.43	1.52	1.40	1.30	1.42	2.08	2.31	1.56	1.44	1.25	1.16	
9	1.40	1.37	1.45	1.37	1.38	1.40	1.98	2.18	1.55	1.44	1.25	1.16	
10	1.39	1.57	1.43	1.35	1.54	1.39	1.93	2.23	1.53	1.43	1.25	1.15	
11	1.35	1.73	1.41	1.43	1.66	1.39	2.00	2.06	1.53	1.40	1.25	1.15	
12	1.33	1.57	1.40	1.42	1.55	1.37	2.34	2.02	1.53	1.40	1.24	1.15	
13	1.30	1.49	1.59	1.41	1.79	1.39	2.83	1.97	1.53	1.39	1.24	1.15	
14	1.29	1.90	1.47	1.40	1.65	1.38	2.49	1.99	1.53	1.38	1.23	1.14	
15	1.28	2.10	1.42	1.49	1.81	1.48	2.26	1.94	1.56	1.37	1.23	1.14	
16	1.28	2.07	1.41	1.37	1.70	1.55	2.28	1.92	1.53	1.36	1.23	1.13	
17	1.26	1.74	1.47	1.35	1.64	1.75	2.28	1.88	1.50	1.35	1.23	1.13	
18	1.34	1.66	1.48	1.34	1.60	1.72	2.29	1.83	1.50	1.34	1.23	1.19	
19	1.32	1.59	1.62	1.36	1.55	1.68	2.09	1.80	1.49	1.35	1.23	1.18	
20	1.45	1.57	1.81	1.37	1.53	1.62	2.10	1.79	1.46	1.34	1.22	1.17	
21	1.30	1.61	2.22	1.35	1.51	1.58	1.98	1.80	1.45	1.33	1.20	1.20	
22	1.31	1.55	2.38	1.33	1.48	1.52	1.90	1.74	1.44	1.33	1.22	1.17	
23	1.31	1.58	2.00	1.65	1.45	1.52	2.03	1.70	1.46	1.33	1.20	1.15	
24	1.60	1.51	1.80	2.27	1.44	1.50	2.04	1.66	1.49	1.32	1.19	1.14	
25	1.41	1.49	1.71	1.63	1.42	1.70	1.92	1.65	1.50	1.32	1.19	1.14	
26	1.34	1.53	1.63	1.54	1.41	1.59	1.92	1.65	1.45	1.31	1.19	1.13	
27	1.31	1.50	1.59	1.49	1.40	1.54	2.20	1.64	1.43	1.30	1.18	1.12	
28	2.34	1.50	1.54	1.44	1.41	1.50	2.20	1.69	1.42	1.29	1.18	1.12	
29	1.65	1.52	1.51	1.43	1.40	1.58	2.13	1.63	1.47	1.31		1.35	
30	1.70	1.50	1.48	1.40	1.38	2.11	2.47	1.60	1.43	1.30		1.18	
31		1.54		1.38	1.36		2.14		1.42	1.28		1.12	
MEAN	1.39	1.58	1.59	1.45	1.47	1.52	2.10	1.96	1.52	1.38	1.23	1.16	
MAX	2.34	2.10	2.38	2.27	1.81	2.11	2.83	2.42	1.67	1.56	1.28	1.35	2.83
MIN	1.26	1.37	1.40	1.33	1.30	1.35	1.71	1.60	1.42	1.28	1.18	1.12	1.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.10 M (A.D), AT 6.00 HOURS, ON OCT 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.80 M (A.D)
LEFT BANK ELEVATION 5.03 M (A.D)
RIGHT BANK ELEVATION 3.92 M (A.D), DRAINAGE AREA 219 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.36	4.30	3.20	3.10	2.14	2.05	6.37	11.10	4.60	2.50	1.48	0.91	
2	1.60	3.50	2.90	3.00	2.23	2.32	5.63	12.15	4.90	2.90	1.48	0.91	
3	1.60	3.30	2.70	2.70	1.96	2.70	6.00	15.26	4.80	3.20	1.42	0.91	
4	1.54	2.80	2.60	2.80	1.87	3.20	5.88	12.62	5.20	4.10	1.42	0.96	
5	1.54	2.50	2.90	2.60	1.78	2.90	6.12	15.26	4.70	3.20	1.36	0.91	
6	1.54	2.60	2.50	2.41	1.69	3.40	14.58	15.96	4.50	3.10	1.36	0.86	
7	2.32	2.80	5.50	2.32	1.60	2.80	11.25	14.41	4.30	3.00	1.36	0.82	
8	1.96	2.80	3.70	2.50	1.60	2.70	10.52	14.07	4.10	2.90	1.30	0.82	
9	2.50	2.23	3.00	2.23	2.32	2.50	9.12	12.00	4.00	2.90	1.30	0.82	
10	2.41	4.20	2.80	2.05	3.90	2.41	8.42	12.78	3.80	2.80	1.30	0.77	
11	2.05	5.88	2.60	2.80	5.10	2.41	9.40	10.24	3.80	2.50	1.30	0.77	
12	1.87	4.20	2.50	2.70	4.00	2.23	14.58	9.68	3.80	2.50	1.24	0.77	
13	1.60	3.40	4.40	2.60	6.62	2.41	24.03	8.98	3.80	2.41	1.24	0.77	
14	1.54	8.00	3.20	2.50	5.00	2.32	17.22	9.26	3.80	2.32	1.18	0.73	
15	1.48	10.80	2.70	3.40	6.87	3.30	13.26	8.56	4.10	2.23	1.18	0.73	
16	1.48	10.38	2.60	2.23	5.50	4.00	13.58	8.28	3.80	2.14	1.18	0.68	
17	1.36	6.00	3.20	2.05	4.90	6.12	13.58	7.75	3.50	2.05	1.18	0.68	
18	1.96	5.10	3.30	1.96	4.50	5.75	13.74	7.13	3.50	1.96	1.18	0.96	
19	1.78	4.40	4.70	2.14	4.00	5.30	10.66	6.75	3.40	2.05	1.18	0.91	
20	3.00	4.20	6.87	2.23	3.80	4.70	10.80	6.62	3.10	1.96	1.12	0.86	
21	1.60	4.60	12.62	2.05	3.60	4.30	9.12	6.75	3.00	1.87	1.00	1.00	
22	1.69	4.00	15.26	1.87	3.30	3.70	8.00	6.00	2.90	1.87	1.12	0.86	
23	1.69	4.30	9.40	5.00	3.00	3.70	9.82	5.50	3.10	1.87	1.00	0.77	
24	4.50	3.60	6.75	13.42	2.90	3.50	9.96	5.10	3.40	1.78	0.96	0.73	
25	2.60	3.40	5.63	4.80	2.70	5.50	8.28	5.00	3.50	1.78	0.96	0.73	
26	1.96	3.80	4.80	3.90	2.60	4.40	8.28	5.00	3.00	1.69	0.96	0.68	
27	1.69	3.50	4.40	3.40	2.50	3.90	12.30	4.90	2.80	1.60	0.91	0.64	
28	14.58	3.50	3.90	2.90	2.60	3.50	12.30	5.40	2.70	1.54	0.91	0.64	
29	5.00	3.70	3.60	2.80	2.50	4.30	11.25	4.80	3.20	1.69		2.05	
30	5.50	3.50	3.30	2.50	2.32	10.95	16.86	4.50	2.80	1.60		0.91	
31		3.90		2.32	2.14		11.40		2.70	1.48		0.64	
TOTAL	77.30	135.19	137.53	95.28	101.54	113.27	342.31	271.81	114.60	71.49	33.58	26.20	1520.10 CMSDAY
MEAN	2.58	4.36	4.58	3.07	3.28	3.78	11.04	9.06	3.70	2.31	1.20	0.85	4.16 CMS
MAX	14.58	10.80	15.26	13.42	6.87	10.95	24.03	15.96	5.20	4.10	1.48	2.05	24.03 CMS
MIN	1.36	2.23	2.50	1.87	1.60	2.05	5.63	4.50	2.70	1.48	0.91	0.64	0.64 CMS
RUNOFF	6.679	11.680	11.883	8.232	8.773	9.787	29.576	23.484	9.901	6.177	2.901	2.264	131.337 MCM

MOMENTARY PEAK 26.65 CMS, AT 3.10 M (A.D), AT 6.00 HOURS, ON OCT 13, 1985

RUNOFF YIELD 19.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 121.69 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

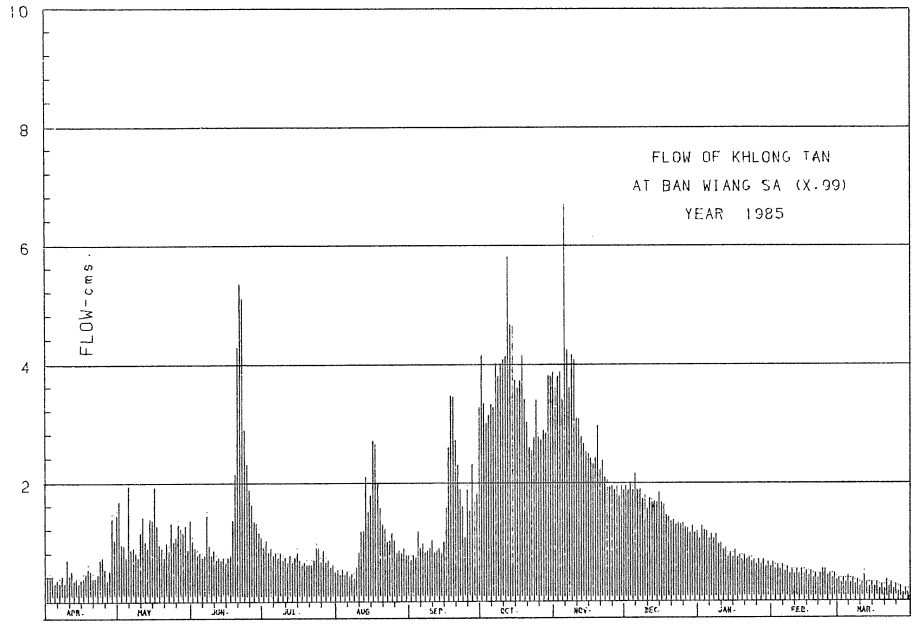
KHLONG TAN AT WIANG SA, SURAT THANI (X.99)

LOCATION	LAT. 8-38-07 N., LONG. 99-22-59 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE ON HIGHWAY NEAR BAN WIANG SA SCHOOL, AMPHOE WIANG SA, SURAT THANI.
DRAINAGE AREA	62 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE SITE.
ELEVATION	+4.783 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	1975 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 51 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.54	0.42	0.40	0.29	0.35	0.96	0.87	0.59	0.43	0.32	0.25	
2	0.27	0.41	0.38	0.41	0.29	0.35	0.83	0.91	0.59	0.46	0.31	0.25	
3	0.26	0.39	0.37	0.38	0.29	0.36	0.79	0.91	0.60	0.46	0.31	0.25	
4	0.25	0.36	0.36	0.38	0.29	0.44	0.80	0.85	0.59	0.44	0.31	0.25	
5	0.24	0.59	0.36	0.37	0.28	0.40	0.84	1.28	0.63	0.43	0.31	0.26	
6	0.25	0.39	0.35	0.36	0.28	0.40	0.82	0.97	0.59	0.43	0.30	0.25	
7	0.26	0.38	0.51	0.36	0.27	0.38	0.94	0.87	0.58	0.43	0.30	0.25	
8	0.25	0.38	0.39	0.36	0.27	0.37	0.90	0.96	0.56	0.43	0.29	0.24	
9	0.33	0.34	0.37	0.35	0.30	0.40	0.94	0.94	0.56	0.41	0.29	0.24	
10	0.28	0.45	0.37	0.34	0.38	0.41	0.94	0.80	0.53	0.40	0.29	0.23	
11	0.28	0.49	0.35	0.34	0.44	0.38	0.96	0.79	0.55	0.39	0.29	0.23	
12	0.26	0.42	0.34	0.35	0.46	0.37	1.17	0.75	0.55	0.38	0.29	0.28	
13	0.25	0.38	0.35	0.34	0.62	0.40	1.03	0.72	0.54	0.36	0.29	0.23	
14	0.25	0.50	0.34	0.34	0.52	0.36	1.02	0.71	0.55	0.36	0.29	0.23	
15	0.24	0.48	0.34	0.38	0.56	0.42	0.90	0.69	0.57	0.36	0.28	0.23	
16	0.27	0.60	0.34	0.33	0.74	0.52	0.87	0.69	0.55	0.37	0.28	0.23	
17	0.27	0.46	0.37	0.33	0.72	0.72	0.90	0.66	0.53	0.36	0.28	0.23	
18	0.31	0.41	0.48	0.32	0.61	0.85	0.95	0.69	0.51	0.35	0.27	0.22	
19	0.28	0.38	0.64	0.33	0.52	0.86	0.85	0.77	0.49	0.35	0.27	0.22	
20	0.27	0.36	0.97	0.31	0.48	0.73	0.78	0.65	0.49	0.35	0.27	0.22	
21	0.25	0.40	1.12	0.33	0.45	0.67	0.72	0.67	0.48	0.35	0.27	0.24	
22	0.29	0.39	1.08	0.33	0.42	0.58	0.70	0.63	0.48	0.34	0.31	0.23	
23	0.33	0.47	0.77	0.40	0.41	0.54	0.75	0.61	0.47	0.34	0.29	0.23	
24	0.36	0.42	0.66	0.38	0.45	0.42	0.84	0.60	0.48	0.33	0.28	0.22	
25	0.29	0.42	0.59	0.34	0.41	0.59	0.75	0.59	0.47	0.33	0.27	0.22	
26	0.26	0.48	0.53	0.37	0.38	0.51	0.73	0.59	0.47	0.33	0.27	0.21	
27	0.28	0.45	0.49	0.34	0.37	0.67	0.77	0.59	0.45	0.33	0.27	0.21	
28	0.50	0.45	0.47	0.33	0.38	0.54	0.75	0.57	0.45	0.33	0.26	0.20	
29	0.41	0.46	0.45	0.32	0.38	0.58	0.91	0.59	0.46	0.32		0.20	
30	0.51	0.39	0.42	0.31	0.37	0.82	0.90	0.59	0.45	0.32		0.20	
31		0.48		0.30	0.35		0.92		0.44	0.32		0.20	
MEAN	0.29	0.44	0.50	0.35	0.42	0.51	0.87	0.75	0.52	0.37	0.29	0.23	
MAX	0.51	0.60	1.12	0.41	0.74	0.86	1.17	1.28	0.63	0.46	0.32	0.28	1.28
MIN	0.24	0.34	0.34	0.30	0.27	0.35	0.70	0.57	0.44	0.32	0.26	0.20	0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.52 M (A.D), AT 13.00 HOURS, ON NOV 5, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.17 M (A.D)
LEFT BANK ELEVATION 6.15 M (A.D)
RIGHT BANK ELEVATION 6.14 M (A.D), DRAINAGE AREA 62 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.43	1.68	1.08	0.98	0.54	0.78	4.22	3.60	1.95	1.13	0.66	0.39	
2	0.47	1.03	0.90	1.03	0.54	0.78	3.34	3.87	1.95	1.27	0.62	0.39	
3	0.43	0.94	0.86	0.90	0.54	0.82	3.08	3.87	2.00	1.27	0.62	0.39	
4	0.39	0.82	0.82	0.90	0.54	1.18	3.14	3.47	1.95	1.18	0.62	0.39	
5	0.36	1.95	0.82	0.86	0.51	0.98	3.40	6.70	2.16	1.13	0.62	0.43	
6	0.39	0.94	0.78	0.82	0.51	0.98	3.27	4.29	1.95	1.13	0.58	0.39	
7	0.43	0.90	1.52	0.82	0.47	0.90	4.08	3.60	1.89	1.13	0.58	0.39	
8	0.39	0.90	0.94	0.82	0.47	0.86	3.80	4.22	1.79	1.13	0.54	0.36	
9	0.70	0.74	0.86	0.78	0.58	0.98	4.08	4.08	1.79	1.03	0.54	0.36	
10	0.51	1.23	0.86	0.74	0.90	1.03	4.08	3.14	1.63	0.98	0.54	0.32	
11	0.51	1.42	0.78	0.74	1.18	0.90	4.22	3.08	1.74	0.94	0.54	0.32	
12	0.43	1.08	0.74	0.78	1.27	0.86	5.81	2.84	1.74	0.90	0.54	0.51	
13	0.39	0.90	0.78	0.74	2.11	0.98	4.73	2.66	1.68	0.82	0.54	0.32	
14	0.39	1.47	0.74	0.74	1.58	0.82	4.65	2.60	1.74	0.82	0.54	0.32	
15	0.36	1.37	0.74	0.90	1.79	1.08	3.80	2.49	1.84	0.82	0.51	0.32	
16	0.47	2.00	0.74	0.70	2.78	1.58	3.60	2.49	1.74	0.86	0.51	0.32	
17	0.47	1.27	0.86	0.70	2.66	2.66	3.80	2.32	1.63	0.82	0.51	0.32	
18	0.62	1.03	1.37	0.66	2.05	3.47	4.15	2.49	1.52	0.78	0.47	0.28	
19	0.51	0.90	2.22	0.70	1.58	3.54	3.47	2.96	1.42	0.78	0.47	0.28	
20	0.47	0.82	4.29	0.62	1.37	2.72	3.02	2.27	1.42	0.78	0.47	0.28	
21	0.39	0.98	5.42	0.70	1.23	2.38	2.66	2.38	1.37	0.78	0.47	0.36	
22	0.54	0.94	5.11	0.70	1.08	1.89	2.54	2.16	1.37	0.74	0.62	0.32	
23	0.70	1.32	2.96	0.98	1.03	1.68	2.84	2.05	1.32	0.74	0.54	0.32	
24	0.82	1.08	2.32	0.90	1.23	1.08	3.40	2.00	1.37	0.70	0.51	0.28	
25	0.54	1.08	1.95	0.74	1.03	1.95	2.84	1.95	1.32	0.70	0.47	0.28	
26	0.43	1.37	1.63	0.86	0.90	1.52	2.72	1.95	1.32	0.70	0.47	0.25	
27	0.51	1.23	1.42	0.74	0.86	2.38	2.96	1.95	1.23	0.70	0.47	0.25	
28	1.47	1.23	1.32	0.70	0.90	1.68	2.84	1.84	1.23	0.70	0.43	0.21	
29	1.03	1.27	1.23	0.66	0.90	1.89	3.87	1.95	1.27	0.66		0.21	
30	1.52	0.94	1.08	0.62	0.86	3.27	3.80	1.95	1.23	0.66		0.21	
31		1.37		0.58	0.78		3.94		1.18	0.66		0.21	
TOTAL	17.07	36.20	47.14	24.11	34.77	47.62	112.15	87.22	49.74	27.44	15.00	9.98	508.44 CMSDAY
MEAN	0.57	1.17	1.57	0.78	1.12	1.59	3.62	2.91	1.60	0.89	0.54	0.32	1.39 CMS
MAX	1.52	2.00	5.42	1.03	2.78	3.54	5.81	6.70	2.16	1.27	0.66	0.51	6.70 CMS
MIN	0.36	0.74	0.74	0.58	0.47	0.78	2.54	1.84	1.18	0.66	0.43	0.21	0.21 CMS
RUNOFF	1.475	3.128	4.073	2.083	3.004	4.114	9.690	7.536	4.298	2.371	1.296	0.862	43.929 MCM

MOMENTARY PEAK 8.76 CMS, AT 1.52 M (A.D), AT 13.00 HOURS, ON NOV 5, 1985

RUNOFF YIELD 22.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 141.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

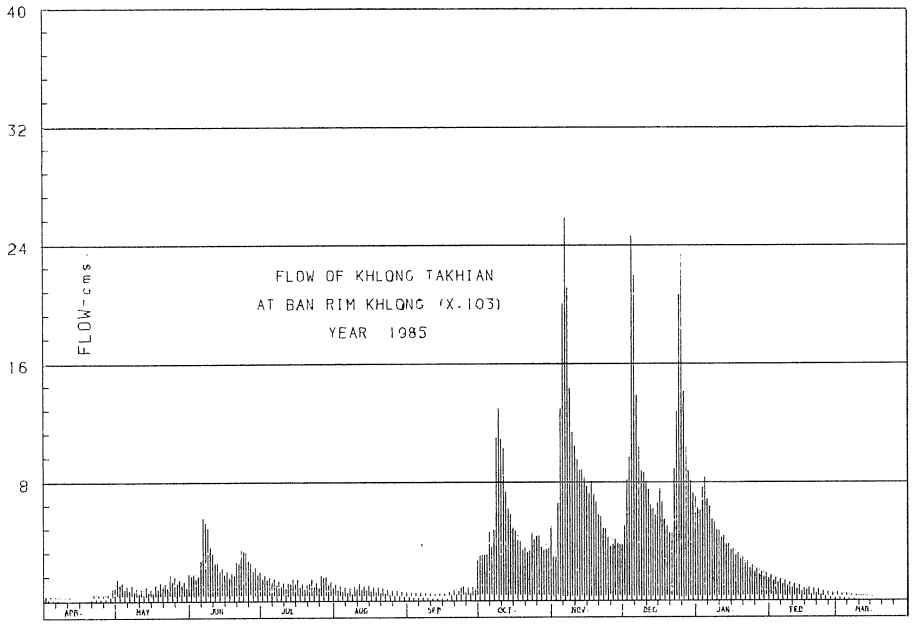
KHLONG TAKHIAN AT BAN RIM KHLONG, SURAT THANI (X.103)

LOCATION	LAT. 9-25-31 N., LONG. 99-09-44 E., ON RIGHT BANK AT BAN RIM KHLONG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	180 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.201 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+14.745 M. (M.S.L.)
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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 123 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.70	7.99	8.12	8.08	7.90	7.76	8.39	8.31	8.67	8.87	8.05	7.75	
2	7.70	7.97	8.08	8.06	7.88	7.75	8.33	8.37	9.12	8.82	8.03	7.75	
3	7.70	7.93	8.08	8.06	7.87	7.75	8.40	8.88	9.29	9.05	8.01	7.73	
4	7.70	7.90	8.04	8.02	7.86	7.75	8.34	9.68	10.71	9.11	8.00	7.73	
5	7.69	7.87	8.32	8.02	7.85	7.75	8.65	10.31	10.47	8.95	7.98	7.73	
6	7.69	7.88	8.75	7.99	7.84	7.75	8.44	10.81	9.77	8.85	7.97	7.72	
7	7.68	7.89	8.75	7.97	7.83	7.75	8.68	10.40	9.38	8.77	7.96	7.71	
8	7.68	7.86	8.65	7.96	7.82	7.74	9.45	9.82	9.20	8.71	7.94	7.70	
9	7.68	7.84	8.48	7.94	7.86	7.74	9.69	9.49	9.15	8.67	7.93	7.70	
10	7.67	7.83	8.36	7.93	7.90	7.73	9.44	9.42	9.11	8.62	7.91	7.69	
11	7.68	7.82	8.29	7.91	7.91	7.73	9.41	9.27	9.00	8.59	7.90	7.69	
12	7.67	7.81	8.23	7.92	7.89	7.73	8.98	9.21	8.90	8.56	7.89	7.69	
13	7.67	7.86	8.18	7.99	7.87	7.73	8.87	9.18	8.83	8.51	7.88	7.69	
14	7.67	7.84	8.16	7.99	7.88	7.73	8.78	9.13	8.81	8.47	7.85	7.68	
15	7.66	7.82	8.14	7.99	7.88	7.73	8.70	9.03	8.88	8.45	7.83	7.68	
16	7.66	7.84	8.12	7.98	7.86	7.73	8.62	9.00	9.03	8.41	7.88	7.67	
17	7.66	7.89	8.10	7.94	7.85	7.72	8.56	9.07	8.89	8.39	7.84	7.67	
18	7.66	7.90	8.09	7.91	7.85	7.76	8.50	8.98	8.77	8.36	7.81	7.67	
19	7.67	7.93	8.13	7.90	7.85	7.80	8.45	8.89	8.67	8.33	7.82	7.67	
20	7.70	7.94	8.24	7.89	7.84	7.80	8.43	8.81	8.64	8.30	7.82	7.66	
21	7.73	7.91	8.29	7.99	7.83	7.81	8.43	8.76	8.59	8.28	7.81	7.66	
22	7.73	7.93	8.41	7.99	7.82	7.78	8.39	8.69	9.22	8.25	7.80	7.68	
23	7.72	8.07	8.44	7.94	7.81	7.92	8.63	8.64	9.64	8.22	7.78	7.65	
24	7.72	8.03	8.37	7.93	7.80	7.86	8.52	8.59	10.38	8.20	7.77	7.65	
25	7.71	8.04	8.32	7.93	7.80	7.85	8.61	8.44	10.59	8.17	7.76	7.63	
26	7.73	8.00	8.23	8.05	7.79	7.84	8.56	8.51	9.80	8.15	7.74	7.64	
27	7.73	7.98	8.19	8.10	7.79	7.84	8.48	8.52	9.38	8.13	7.74	7.64	
28	7.76	7.97	8.17	8.03	7.78	7.85	8.40	8.52	9.20	8.11	7.73	7.64	
29	7.83	7.95	8.14	7.97	7.77	7.89	8.46	8.46	9.08	8.10		7.64	
30	7.92	7.93	8.11	7.94	7.77	8.26	8.42	8.51	9.01	8.09		7.63	
31		8.08		7.92	7.76		8.69		8.94	8.07		7.63	
MEAN	7.71	7.92	8.27	7.98	7.84	7.79	8.67	9.06	9.26	8.47	7.87	7.68	
MAX	7.92	8.08	8.75	8.10	7.91	8.26	9.69	10.81	10.71	9.11	8.05	7.75	10.81
MIN	7.66	7.81	8.04	7.89	7.76	7.72	8.33	8.31	8.59	8.07	7.73	7.63	7.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.82 M (MSL), AT 12.00 HOURS, ON NOV 6, 1985
ZERO GAGE AT BOTTOM ELEVATION 7.20 M (MSL), RIVER BED 7.32 M (MSL)
LEFT BANK ELEVATION 15.17 M (MSL)
RIGHT BANK ELEVATION 14.98 M (MSL), DRAINAGE AREA 180 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	1.46	2.00	1.82	1.10	0.56	3.35	2.95	5.02	6.49	1.70	0.52	
2	0.35	1.38	1.82	1.74	1.02	0.52	3.05	3.25	8.38	6.11	1.62	0.52	
3	0.35	1.22	1.82	1.74	0.98	0.52	3.40	6.56	9.67	7.85	1.54	0.45	
4	0.35	1.10	1.66	1.58	0.94	0.52	3.10	13.11	24.82	8.30	1.50	0.45	
5	0.32	0.98	3.00	1.58	0.90	0.52	4.90	20.02	21.94	7.09	1.42	0.45	
6	0.32	1.02	5.58	1.46	0.86	0.52	3.64	26.03	14.00	6.34	1.38	0.42	
7	0.28	1.06	5.58	1.38	0.82	0.52	5.08	21.10	10.35	5.73	1.34	0.38	
8	0.28	0.94	4.90	1.34	0.78	0.49	10.97	14.52	8.99	5.28	1.26	0.35	
9	0.28	0.86	3.88	1.26	0.94	0.49	13.21	11.34	8.61	5.02	1.22	0.35	
10	0.24	0.82	3.20	1.22	1.10	0.45	10.87	10.69	8.30	4.72	1.14	0.32	
11	0.28	0.78	2.85	1.14	1.14	0.45	10.59	9.52	7.47	4.54	1.10	0.32	
12	0.24	0.74	2.55	1.18	1.06	0.45	7.32	9.06	6.71	4.36	1.06	0.32	
13	0.24	0.94	2.30	1.46	0.98	0.45	6.49	8.83	6.18	4.06	1.02	0.32	
14	0.24	0.86	2.20	1.46	1.02	0.45	5.81	8.46	6.03	3.82	0.90	0.28	
15	0.21	0.78	2.10	1.46	1.02	0.45	5.20	7.70	6.56	3.70	0.82	0.28	
16	0.21	0.86	2.00	1.42	0.94	0.45	4.72	7.47	7.70	3.46	1.02	0.24	
17	0.21	1.06	1.90	1.26	0.90	0.42	4.36	8.00	6.64	3.35	0.86	0.24	
18	0.21	1.10	1.86	1.14	0.90	0.56	4.00	7.32	5.73	3.20	0.74	0.24	
19	0.24	1.22	2.05	1.10	0.90	0.70	3.70	6.64	5.02	3.05	0.78	0.24	
20	0.35	1.26	2.60	1.06	0.86	0.70	3.58	6.03	4.84	2.90	0.78	0.21	
21	0.45	1.14	2.85	1.46	0.82	0.74	3.58	5.65	4.54	2.80	0.74	0.21	
22	0.45	1.22	3.46	1.46	0.78	0.63	3.35	5.14	9.14	2.65	0.70	0.28	
23	0.42	1.78	3.64	1.26	0.74	1.18	4.78	4.84	12.74	2.50	0.63	0.17	
24	0.42	1.62	3.25	1.22	0.70	0.94	4.12	4.54	20.86	2.40	0.59	0.17	
25	0.38	1.66	3.00	1.22	0.70	0.90	4.66	3.64	23.38	2.25	0.56	0.10	
26	0.45	1.50	2.55	1.70	0.66	0.86	4.36	4.06	14.30	2.15	0.49	0.14	
27	0.45	1.42	2.35	1.90	0.66	0.86	3.88	4.12	10.35	2.05	0.49	0.14	
28	0.56	1.38	2.25	1.62	0.63	0.90	3.40	4.12	8.99	1.95	0.45	0.14	
29	0.82	1.30	2.10	1.38	0.59	1.06	3.76	3.76	8.08	1.90		0.14	
30	1.18	1.22	1.95	1.26	0.59	2.70	3.52	4.06	7.55	1.86		0.10	
31		1.82		1.18	0.56		5.14		7.02	1.78		0.10	
TOTAL	11.13	36.50	83.25	43.46	26.59	20.96	161.89	252.53	309.91	123.66	27.85	8.59	1106.32 CMSDAY
MEAN	0.37	1.18	2.77	1.40	0.86	0.70	5.22	8.42	10.00	3.99	0.99	0.28	3.03 CMS
MAX	1.18	1.82	5.58	1.90	1.14	2.70	13.21	26.03	24.82	8.30	1.70	0.52	26.03 CMS
MIN	0.21	0.74	1.66	1.06	0.56	0.42	3.05	2.95	4.54	1.78	0.45	0.10	0.10 CMS
RUNOFF	0.962	3.154	7.193	3.755	2.297	1.811	13.987	21.819	26.776	10.684	2.406	0.742	95.586 MCM

MOMENTARY PEAK 26.16 CMS, AT 10.82 M (MSL), AT 12.00 HOURS, ON NOV 6, 1985

RUNOFF YIELD 16.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 145.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

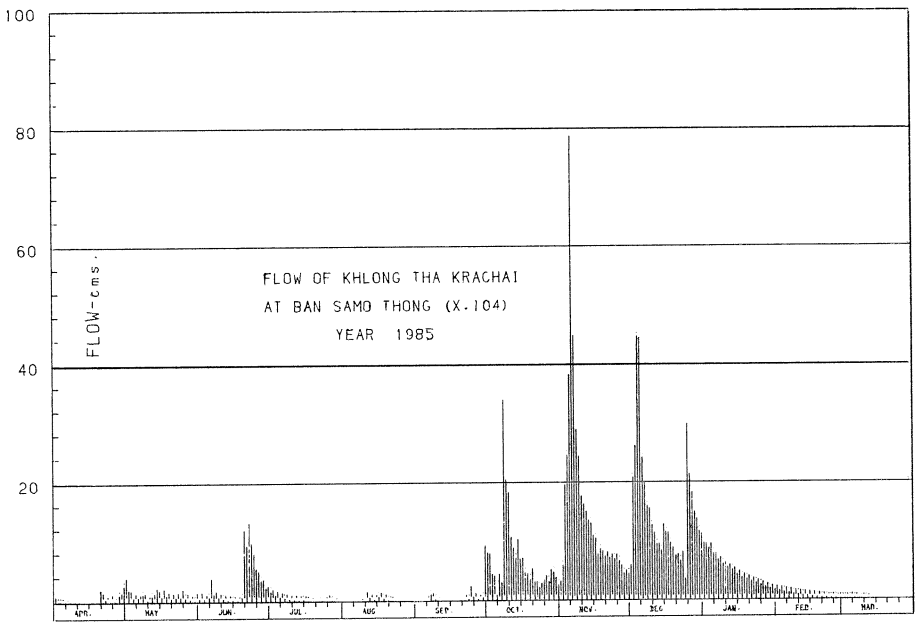
KHLONG THA KRACHAI AT BAN SAMO THONG, SURAT THANI (X.104)

LOCATION	LAT. 9-34-47 N., LONG. 99-08-14 E., ON LEFT BANK AT BAN SAMO THONG, AMPHOE THA CHANA, SURAT THANI.
DRAINAGE AREA	354 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+6.702 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS DOWNSTREAM FROM THE TOP STAFF GAGE.
ELEVATION	+15.618 M.(M.S.L.)
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	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 78 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.24	7.46	7.27	7.36	7.19	7.17	7.73	7.41	7.57	7.80	7.35	7.23	
2	7.22	7.38	7.30	7.33	7.18	7.17	7.68	7.61	8.25	7.76	7.35	7.23	
3	7.22	7.32	7.27	7.32	7.18	7.16	7.53	8.18	8.42	7.76	7.34	7.23	
4	7.21	7.29	7.26	7.31	7.17	7.16	7.47	8.39	8.98	7.76	7.33	7.23	
5	7.21	7.28	7.30	7.30	7.17	7.18	7.31	8.79	8.96	7.71	7.33	7.24	
6	7.20	7.30	7.45	7.29	7.17	7.23	7.49	9.76	8.37	7.68	7.32	7.23	
7	7.20	7.26	7.33	7.28	7.17	7.32	7.45	8.97	8.19	7.66	7.32	7.23	
8	7.20	7.33	7.31	7.27	7.16	7.28	8.67	8.53	8.06	7.64	7.31	7.23	
9	7.20	7.28	7.30	7.26	7.19	7.25	8.23	8.36	8.02	7.62	7.31	7.22	
10	7.20	7.25	7.28	7.25	7.21	7.22	8.13	8.13	7.93	7.60	7.30	7.22	
11	7.20	7.24	7.27	7.25	7.30	7.20	7.85	8.05	7.85	7.59	7.30	7.22	
12	7.20	7.31	7.26	7.25	7.28	7.19	7.73	8.03	7.79	7.57	7.29	7.21	
13	7.20	7.28	7.25	7.24	7.26	7.19	7.68	7.94	7.76	7.56	7.29	7.21	
14	7.19	7.40	7.25	7.24	7.25	7.19	7.80	7.95	7.74	7.54	7.28	7.21	
15	7.19	7.32	7.25	7.25	7.25	7.19	7.67	7.83	7.91	7.52	7.28	7.21	
16	7.18	7.31	7.24	7.24	7.30	7.18	7.64	7.84	7.88	7.51	7.27	7.21	
17	7.18	7.34	7.24	7.23	7.29	7.17	7.54	7.67	7.85	7.49	7.27	7.21	
18	7.20	7.32	7.23	7.22	7.27	7.17	7.49	7.75	7.80	7.48	7.26	7.20	
19	7.19	7.30	7.29	7.21	7.26	7.19	7.48	7.70	7.73	7.47	7.26	7.20	
20	7.37	7.28	7.88	7.21	7.24	7.20	7.54	7.69	7.69	7.46	7.25	7.20	
21	7.30	7.28	7.79	7.22	7.23	7.21	7.45	7.69	7.67	7.45	7.25	7.20	
22	7.26	7.30	7.93	7.22	7.22	7.24	7.41	7.68	7.65	7.44	7.25	7.19	
23	7.24	7.29	7.81	7.23	7.21	7.25	7.40	7.67	7.69	7.43	7.24	7.19	
24	7.23	7.30	7.69	7.22	7.20	7.36	7.39	7.67	7.47	7.42	7.24	7.19	
25	7.27	7.33	7.59	7.22	7.20	7.29	7.46	7.67	8.54	7.41	7.24	7.19	
26	7.24	7.29	7.52	7.25	7.20	7.27	7.47	7.65	8.27	7.40	7.24	7.19	
27	7.22	7.28	7.47	7.24	7.19	7.25	7.46	7.57	8.13	7.39	7.23	7.19	
28	7.32	7.26	7.44	7.22	7.19	7.24	7.53	7.53	8.02	7.38	7.23	7.19	
29	7.30	7.25	7.40	7.20	7.19	7.28	7.55	7.52	7.95	7.37		7.19	
30	7.42	7.24	7.37	7.20	7.18	7.75	7.45	7.53	7.89	7.36		7.19	
31		7.29		7.19	7.17		7.42		7.84	7.36		7.19	
MEAN	7.23	7.30	7.41	7.25	7.22	7.24	7.62	7.96	8.00	7.54	7.28	7.21	
MAX	7.42	7.46	7.93	7.36	7.30	7.75	8.67	9.76	8.98	7.80	7.35	7.24	9.76
MIN	7.18	7.24	7.23	7.19	7.16	7.16	7.31	7.41	7.47	7.36	7.23	7.19	7.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.54 M (MSL), AT 9.00 HOURS, ON DEC 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 6.70 M (MSL), RIVER BED 6.92 M (MSL)
LEFT BANK ELEVATION 16.72 M (MSL)
RIGHT BANK ELEVATION 16.15 M (MSL), DRAINAGE AREA 354 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.91	4.04	1.21	2.41	0.41	0.21	8.92	3.19	5.91	10.32	2.27	0.81	
2	0.71	2.71	1.51	1.97	0.31	0.21	7.94	6.61	21.38	9.52	2.27	0.81	
3	0.71	1.81	1.21	1.81	0.31	0.11	5.23	19.53	26.13	9.52	2.11	0.81	
4	0.61	1.41	1.11	1.67	0.21	0.11	4.21	25.25	45.24	9.52	1.97	0.81	
5	0.61	1.31	1.51	1.51	0.21	0.31	1.67	38.19	44.44	8.52	1.97	0.91	
6	0.51	1.51	3.87	1.41	0.21	0.81	4.55	79.25	24.69	7.94	1.81	0.81	
7	0.51	1.11	1.97	1.31	0.21	1.81	3.87	44.84	19.78	7.56	1.81	0.81	
8	0.51	1.97	1.67	1.21	0.11	1.31	34.04	29.49	16.52	7.18	1.67	0.81	
9	0.51	1.31	1.51	1.11	0.41	1.01	20.84	24.41	15.52	6.80	1.67	0.71	
10	0.51	1.01	1.31	1.01	0.61	0.71	18.28	18.28	13.28	6.42	1.51	0.71	
11	0.51	0.91	1.21	1.01	1.51	0.51	11.42	16.28	11.42	6.25	1.51	0.71	
12	0.51	1.67	1.11	1.01	1.31	0.41	8.92	15.78	10.12	5.91	1.41	0.61	
13	0.51	1.31	1.01	0.91	1.11	0.41	7.94	13.53	9.52	5.74	1.41	0.61	
14	0.41	3.02	1.01	0.91	1.01	0.41	10.32	13.78	9.12	5.40	1.31	0.61	
15	0.41	1.81	1.01	1.01	1.01	0.41	7.75	10.98	12.78	5.06	1.31	0.61	
16	0.31	1.67	0.91	0.91	1.51	0.31	7.18	11.20	12.08	4.89	1.21	0.61	
17	0.31	2.11	0.91	0.81	1.41	0.21	5.40	7.75	11.42	4.55	1.21	0.61	
18	0.51	1.81	0.81	0.71	1.21	0.21	4.55	9.32	10.32	4.38	1.11	0.51	
19	0.41	1.51	1.41	0.61	1.11	0.41	4.38	8.32	8.92	4.21	1.11	0.51	
20	2.57	1.31	12.08	0.61	0.91	0.51	5.40	8.13	8.13	4.04	1.01	0.51	
21	1.51	1.31	10.12	0.71	0.81	0.61	3.87	8.13	7.75	3.87	1.01	0.51	
22	1.11	1.51	13.28	0.71	0.71	0.91	3.19	7.94	7.37	3.70	1.01	0.41	
23	0.91	1.41	10.54	0.81	0.61	1.01	3.02	7.75	8.13	3.53	0.91	0.41	
24	0.81	1.51	8.13	0.71	0.51	2.41	2.87	7.75	4.21	3.36	0.91	0.41	
25	1.21	1.97	6.25	0.71	0.51	1.41	4.04	7.75	29.81	3.19	0.91	0.41	
26	0.91	1.41	5.06	1.01	0.51	1.21	4.21	7.37	21.92	3.02	0.91	0.41	
27	0.71	1.31	4.21	0.91	0.41	1.01	4.04	5.91	18.28	2.87	0.81	0.41	
28	1.81	1.11	3.70	0.71	0.41	0.91	5.23	5.23	15.52	2.71	0.81	0.41	
29	1.51	1.01	3.02	0.51	0.41	1.31	5.57	5.06	13.78	2.57		0.41	
30	3.36	0.91	2.57	0.51	0.31	9.32	3.87	5.23	12.30	2.41		0.41	
31		1.41		0.41	0.21		3.36		11.20	2.41		0.41	
TOTAL	26.41	50.19	105.23	31.63	20.51	30.51	226.08	472.23	486.99	167.37	38.94	18.51	1674.60 CMSDAY
MEAN	0.88	1.62	3.51	1.02	0.66	1.02	7.29	15.74	15.71	5.40	1.39	0.60	4.59 CMS
MAX	3.36	4.04	13.28	2.41	1.51	9.32	34.04	79.25	45.24	10.32	2.27	0.91	79.25 CMS
MIN	0.31	0.91	0.81	0.41	0.11	0.11	1.67	3.19	4.21	2.41	0.81	0.41	0.11 CMS
RUNOFF	2.282	4.336	9.092	2.733	1.772	2.636	19.533	40.801	42.076	14.461	3.364	1.599	144.685 MCM

MOMENTARY PEAK 69.35 CMS, AT 9.54 M (MSL), AT 9.00 HOURS, ON DEC 24, 1985

RUNOFF YIELD 12.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 195.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

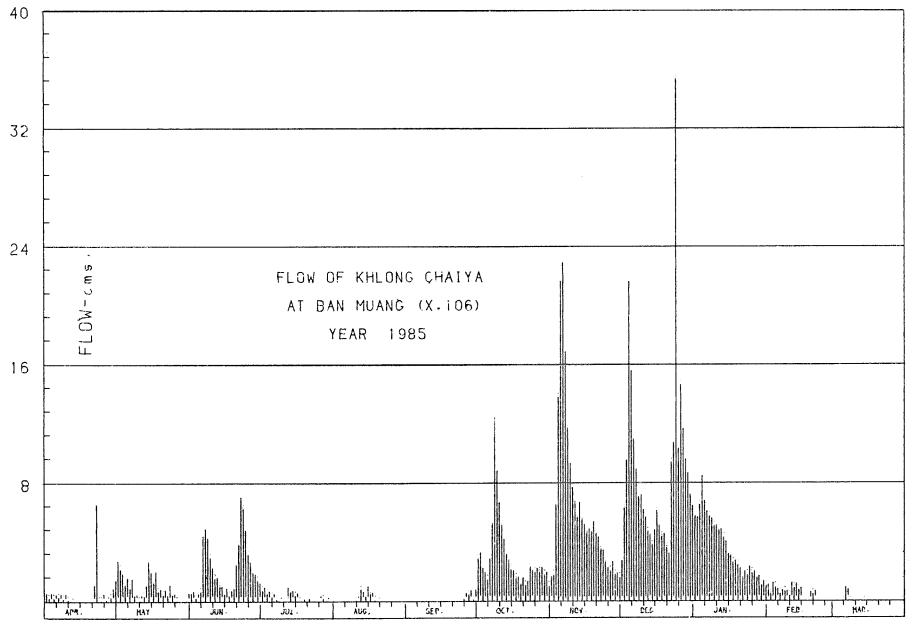
KHLONG CHAIYA AT BAN MUANG, SURAT THANI (X.106)

LOCATION	LAT. 9-23-46 N., LONG. 99-10-31 E., ON LEFT BANK AT BAN MUANG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	309 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.063 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+10.248 M.(M.S.L.)
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	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 63 DISCHARGE MEASUREMENT MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.14	7.51	7.20	7.24	7.06	7.06	7.57	7.34	7.51	7.94	7.25	7.06	
2	7.13	7.47	7.17	7.22	7.06	7.06	7.59	7.41	8.00	7.90	7.18	7.06	
3	7.14	7.38	7.14	7.20	7.06	7.06	7.48	8.00	8.33	8.03	7.27	7.06	
4	7.13	7.29	7.13	7.17	7.06	7.06	7.39	8.75	9.33	8.22	7.27	7.06	
5	7.12	7.33	7.22	7.15	7.06	7.06	7.36	9.32	8.88	8.06	7.20	7.07	
6	7.14	7.26	7.74	7.13	7.06	7.06	7.53	9.41	8.49	7.95	7.20	7.26	
7	7.13	7.32	7.84	7.11	7.06	7.06	7.87	8.98	8.27	7.94	7.18	7.19	
8	7.12	7.17	7.72	7.08	7.06	7.06	8.61	8.56	8.09	7.89	7.22	7.06	
9	7.13	7.12	7.58	7.07	7.06	7.06	8.28	8.31	8.08	7.86	7.17	7.06	
10	7.10	7.09	7.44	7.06	7.09	7.06	8.02	8.16	7.99	7.83	7.16	7.06	
11	7.07	7.11	7.37	7.06	7.09	7.06	7.87	8.03	7.90	7.83	7.27	7.06	
12	7.06	7.16	7.33	7.22	7.24	7.06	7.71	7.93	7.81	7.80	7.26	7.06	
13	7.06	7.24	7.28	7.22	7.16	7.06	7.61	8.02	7.75	7.76	7.26	7.06	
14	7.06	7.53	7.23	7.18	7.16	7.06	7.52	7.91	7.69	7.69	7.24	7.06	
15	7.06	7.39	7.20	7.17	7.23	7.06	7.47	7.84	7.79	7.61	7.21	7.06	
16	7.06	7.32	7.21	7.14	7.20	7.06	7.41	7.79	7.97	7.56	7.06	7.06	
17	7.06	7.40	7.17	7.08	7.15	7.06	7.38	7.80	7.83	7.53	7.06	7.06	
18	7.06	7.22	7.18	7.06	7.10	7.06	7.34	7.81	7.77	7.51	7.06	7.06	
19	7.06	7.20	7.26	7.11	7.08	7.06	7.31	7.86	7.76	7.51	7.15	7.06	
20	7.06	7.19	7.47	7.06	7.06	7.06	7.33	7.79	7.67	7.43	7.19	7.06	
21	7.25	7.19	7.70	7.12	7.06	7.06	7.29	7.73	7.58	7.38	7.17	7.06	
22	8.03	7.18	8.06	7.08	7.06	7.06	7.29	7.64	8.34	7.40	7.06	7.06	
23	7.10	7.25	8.00	7.06	7.06	7.06	7.48	7.61	8.45	7.41	7.06	7.06	
24	7.09	7.18	7.79	7.06	7.06	7.06	7.41	7.53	10.13	7.45	7.06	7.06	
25	7.13	7.13	7.61	7.06	7.06	7.11	7.44	7.44	8.41	7.43	7.06	7.06	
26	7.11	7.09	7.50	7.10	7.06	7.14	7.43	7.45	8.82	7.40	7.06	7.06	
27	7.09	7.06	7.43	7.12	7.06	7.18	7.44	7.50	8.54	7.38	7.06	7.06	
28	7.14	7.06	7.37	7.08	7.06	7.18	7.44	7.41	8.36	7.35	7.06	7.06	
29	7.21	7.06	7.35	7.06	7.06	7.11	7.41	7.38	8.24	7.29		7.06	
30	7.35	7.08	7.27	7.06	7.06	7.19	7.39	7.38	8.11	7.29		7.06	
31		7.14		7.06	7.06		7.28		7.99	7.28		7.06	
MEAN	7.15	7.23	7.43	7.12	7.09	7.08	7.55	7.94	8.19	7.64	7.16	7.07	
MAX	8.03	7.53	8.06	7.24	7.24	7.19	8.61	9.41	10.13	8.22	7.27	7.26	10.13
MIN	7.06	7.06	7.13	7.06	7.06	7.06	7.28	7.34	7.51	7.28	7.06	7.06	7.06

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.20 M (MSL), AT 15.00 HOURS, ON DEC 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 7.06 M (MSL), RIVER BED 6.26 M (MSL)
LEFT BANK ELEVATION 10.69 M (MSL)
RIGHT BANK ELEVATION 10.98 M (MSL), DRAINAGE AREA 309 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.54	2.73	0.81	1.05	0.22	0.22	3.15	1.65	2.73	6.01	1.11	0.22	
2	0.49	2.47	0.67	0.93	0.22	0.22	3.29	2.08	6.52	5.67	0.72	0.22	
3	0.54	1.89	0.54	0.81	0.22	0.22	2.53	6.52	9.52	6.77	1.23	0.22	
4	0.49	1.35	0.49	0.67	0.22	0.22	1.95	14.02	21.83	8.46	1.23	0.22	
5	0.45	1.59	0.93	0.58	0.22	0.22	1.77	21.66	15.58	7.03	0.81	0.25	
6	0.54	1.17	4.41	0.49	0.22	0.22	2.87	23.15	11.12	6.09	0.81	1.17	
7	0.49	1.53	5.19	0.40	0.22	0.22	5.43	16.87	8.93	6.01	0.72	0.76	
8	0.45	0.67	4.26	0.29	0.22	0.22	12.43	11.88	7.28	5.59	0.93	0.22	
9	0.49	0.45	3.22	0.25	0.22	0.22	9.03	9.32	7.20	5.35	0.67	0.22	
10	0.36	0.32	2.27	0.22	0.32	0.22	6.69	7.91	6.43	5.11	0.63	0.22	
11	0.25	0.40	1.83	0.22	0.32	0.22	5.43	6.77	5.67	5.11	1.23	0.22	
12	0.22	0.63	1.59	0.93	1.05	0.22	4.19	5.92	4.95	4.87	1.17	0.22	
13	0.22	1.05	1.29	0.93	0.63	0.22	3.44	6.69	4.49	4.56	1.17	0.22	
14	0.22	2.87	0.99	0.72	0.63	0.22	2.80	5.75	4.04	4.04	1.05	0.22	
15	0.22	1.95	0.81	0.67	0.99	0.22	2.47	5.19	4.79	3.44	0.87	0.22	
16	0.22	1.53	0.87	0.54	0.81	0.22	2.08	4.79	6.26	3.08	0.22	0.22	
17	0.22	2.01	0.67	0.29	0.58	0.22	1.89	4.87	5.11	2.87	0.22	0.22	
18	0.22	0.93	0.72	0.22	0.36	0.22	1.65	4.95	4.64	2.73	0.22	0.22	
19	0.22	0.81	1.17	0.40	0.29	0.22	1.47	5.35	4.56	2.73	0.58	0.22	
20	0.22	0.76	2.47	0.22	0.22	0.22	1.59	4.79	3.89	2.21	0.76	0.22	
21	1.11	0.76	4.11	0.45	0.22	0.22	1.35	4.34	3.22	1.89	0.67	0.22	
22	6.77	0.72	7.03	0.29	0.22	0.22	1.35	3.66	9.62	2.01	0.22	0.22	
23	0.36	1.11	6.52	0.22	0.22	0.22	2.53	3.44	10.72	2.08	0.22	0.22	
24	0.32	0.72	4.79	0.22	0.22	0.22	2.08	2.87	35.51	2.34	0.22	0.22	
25	0.49	0.49	3.44	0.22	0.22	0.40	2.27	2.27	10.32	2.21	0.22	0.22	
26	0.40	0.32	2.66	0.36	0.22	0.54	2.21	2.34	14.86	2.01	0.22	0.22	
27	0.32	0.22	2.21	0.45	0.22	0.72	2.27	2.66	11.66	1.89	0.22	0.22	
28	0.54	0.22	1.83	0.29	0.22	0.72	2.27	2.08	9.82	1.71	0.22	0.22	
29	0.87	0.22	1.71	0.22	0.22	0.40	2.08	1.89	8.65	1.35		0.22	
30	1.71	0.29	1.23	0.22	0.22	0.76	1.95	1.89	7.46	1.35		0.22	
31		0.54		0.22	0.22		1.29		6.43	1.29		0.22	
TOTAL	19.96	32.72	70.73	13.99	10.60	8.82	97.80	197.57	273.81	117.86	18.56	8.34	870.76 CMSDAY
MEAN	0.67	1.06	2.36	0.45	0.34	0.29	3.15	6.59	8.83	3.80	0.66	0.27	2.39 CMS
MAX	6.77	2.87	7.03	1.05	1.05	0.76	12.43	23.15	35.51	8.46	1.23	1.17	35.51 CMS
MIN	0.22	0.22	0.49	0.22	0.22	0.22	1.29	1.65	2.73	1.29	0.22	0.22	0.22 CMS
RUNOFF	1.725	2.827	6.111	1.209	0.916	0.762	8.450	17.070	23.657	10.183	1.604	0.721	75.234 MCM

MOMENTARY PEAK 36.84 CMS, AT 10.20 M (MSL), AT 15.00 HOURS, ON DEC 24, 1985

RUNOFF YIELD 7.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 119.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

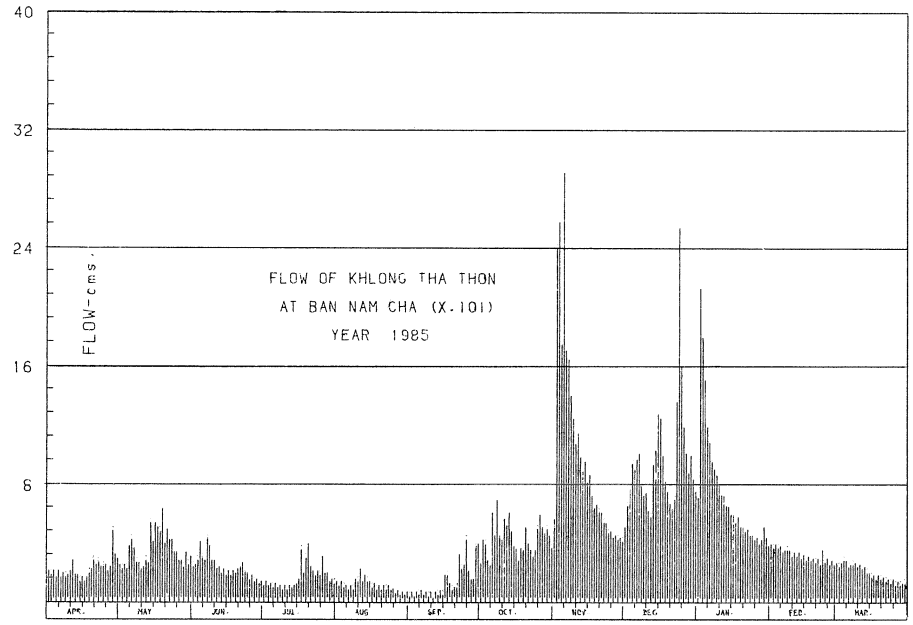
KHLONG THA THON AT BAN NAM CHA, NAKHON SI THAMMARAT (X.101)

LOCATION	LAT. 8-52-30 N., LONG. 99-51-40 E., ON RIGHT BANK AT BAN NAM CHA, AMPHOE SICHON, NAKHON SI THAMMARAT.
DRAINAGE AREA	95 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.895 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 11 METERS NORTH FROM THE STATION OFFICE.
ELEVATION	+16.570 M.(M.S.L.)
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	1976 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 108 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.57	8.60	8.61	8.52	8.52	8.47	8.64	8.82	8.78	8.94	8.70	8.61	
2	8.57	8.60	8.60	8.52	8.52	8.47	8.73	9.95	8.90	9.80	8.70	8.61	
3	8.57	8.60	8.65	8.52	8.52	8.47	8.73	10.03	8.97	9.61	8.70	8.61	
4	8.56	8.60	8.72	8.52	8.52	8.47	8.63	9.59	9.10	9.44	8.70	8.65	
5	8.57	8.69	8.65	8.52	8.51	8.48	8.63	10.20	9.06	9.26	8.69	8.63	
6	8.56	8.74	8.63	8.52	8.51	8.48	8.85	9.56	9.11	9.18	8.69	8.61	
7	8.56	8.69	8.74	8.52	8.51	8.48	8.77	9.52	9.13	9.11	8.68	8.60	
8	8.56	8.64	8.69	8.51	8.51	8.47	8.91	9.39	8.99	9.06	8.69	8.63	
9	8.56	8.61	8.65	8.51	8.53	8.47	8.76	9.27	8.94	9.05	8.68	8.61	
10	8.60	8.60	8.63	8.51	8.55	8.47	8.73	9.19	8.97	8.98	8.66	8.61	
11	8.63	8.60	8.60	8.51	8.59	8.45	8.85	9.22	8.86	8.95	8.66	8.60	
12	8.57	8.65	8.60	8.51	8.55	8.47	8.80	9.13	8.85	8.94	8.66	8.60	
13	8.56	8.61	8.59	8.52	8.56	8.48	8.88	9.05	9.07	8.90	8.66	8.60	
14	8.55	8.82	8.59	8.51	8.55	8.48	8.77	9.11	9.15	8.89	8.65	8.59	
15	8.55	8.72	8.57	8.53	8.52	8.48	8.72	8.99	9.30	8.86	8.65	8.56	
16	8.55	8.82	8.57	8.53	8.52	8.56	8.69	9.05	9.30	8.85	8.65	8.56	
17	8.55	8.78	8.57	8.69	8.52	8.57	8.65	8.94	9.11	8.82	8.65	8.56	
18	8.59	8.78	8.57	8.56	8.51	8.52	8.69	8.90	9.02	8.84	8.65	8.56	
19	8.59	8.88	8.59	8.65	8.51	8.51	8.69	8.90	8.95	8.81	8.64	8.56	
20	8.65	8.73	8.59	8.70	8.51	8.49	8.78	8.88	8.91	8.78	8.64	8.56	
21	8.60	8.77	8.61	8.61	8.51	8.52	8.73	8.85	8.88	8.78	8.64	8.55	
22	8.64	8.74	8.61	8.57	8.51	8.65	8.68	8.82	8.94	8.77	8.63	8.55	
23	8.60	8.73	8.59	8.57	8.51	8.60	8.66	8.81	9.35	8.77	8.68	8.53	
24	8.61	8.69	8.56	8.57	8.51	8.60	8.68	8.77	10.03	8.74	8.64	8.53	
25	8.60	8.66	8.56	8.57	8.48	8.74	8.80	8.77	9.48	8.74	8.64	8.53	
26	8.60	8.65	8.56	8.65	8.48	8.57	8.85	8.76	9.26	8.73	8.63	8.52	
27	8.60	8.63	8.55	8.59	8.48	8.56	8.81	8.74	9.13	8.73	8.63	8.52	
28	8.78	8.61	8.53	8.56	8.48	8.53	8.76	8.74	9.06	8.73	8.63	8.52	
29	8.65	8.66	8.53	8.55	8.47	8.70	8.80	8.73	9.11	8.81		8.52	
30	8.65	8.63	8.52	8.53	8.48	8.70	8.74	8.73	9.02	8.73		8.53	
31		8.65		8.53	8.47		8.70		8.95	8.72		8.52	
MEAN	8.59	8.68	8.60	8.55	8.51	8.53	8.74	9.11	9.09	8.95	8.66	8.57	
MAX	8.78	8.88	8.74	8.70	8.59	8.74	8.91	10.20	10.03	9.80	8.70	8.65	10.20
MIN	8.55	8.60	8.52	8.51	8.47	8.45	8.63	8.73	8.78	8.72	8.63	8.52	8.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.90 M (MSL), AT 21.00 HOURS, ON NOV 2, 1985
ZERO GAGE AT BOTTOM ELEVATION 7.89 M (MSL), RIVER BED 8.10 M (MSL)
LEFT BANK ELEVATION 15.11 M (MSL)
RIGHT BANK ELEVATION 16.66 M (MSL), DRAINAGE AREA 95 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.15	2.57	2.71	1.45	1.45	0.72	2.99	5.65	5.09	7.38	3.97	2.71	
2	2.15	2.57	2.57	1.45	1.45	0.72	4.25	24.25	6.78	21.26	3.97	2.71	
3	2.15	2.57	3.13	1.45	1.45	0.72	4.25	25.76	7.68	18.15	3.97	2.71	
4	2.01	2.57	4.11	1.31	1.31	0.72	2.85	17.65	9.63	15.10	3.97	3.13	
5	2.15	3.83	3.27	1.31	1.17	0.83	2.85	29.10	9.03	12.11	3.83	2.85	
6	2.01	4.53	2.85	1.31	1.17	0.83	6.07	17.30	9.93	10.83	3.69	2.71	
7	2.01	3.69	4.53	1.31	1.17	0.83	4.81	16.46	10.08	9.78	3.55	2.57	
8	2.01	2.99	3.83	1.17	1.17	0.72	6.93	14.25	8.13	9.03	3.83	2.85	
9	1.87	2.71	3.13	1.17	1.59	0.72	4.67	12.44	7.23	8.88	3.55	2.71	
10	2.43	2.57	2.85	1.17	1.73	0.72	4.25	10.98	7.68	7.97	3.41	2.71	
11	2.85	2.43	2.57	1.17	2.29	0.61	5.93	11.45	6.21	7.53	3.41	2.57	
12	2.15	3.13	2.43	1.17	1.73	0.72	5.23	10.08	6.07	7.23	3.41	2.57	
13	1.87	2.71	2.29	1.31	1.87	0.83	6.35	8.88	9.33	6.78	3.41	2.43	
14	1.73	5.65	2.29	1.17	1.73	0.83	4.81	9.78	10.52	6.49	3.27	2.29	
15	1.73	4.11	2.15	1.59	1.45	0.83	4.11	8.13	12.77	6.21	3.27	2.01	
16	1.73	5.65	2.15	1.59	1.31	1.87	3.69	8.88	12.77	5.93	3.13	2.01	
17	1.73	5.09	2.15	3.83	1.31	2.15	3.13	7.23	9.93	5.65	3.13	1.87	
18	2.29	5.09	2.15	2.01	1.17	1.31	3.69	6.63	8.43	5.79	3.13	1.87	
19	2.29	6.35	2.29	3.27	1.17	1.17	3.83	6.63	7.53	5.37	2.99	1.87	
20	3.13	4.25	2.29	3.97	1.17	1.04	5.09	6.35	6.93	5.09	2.99	1.87	
21	2.57	4.95	2.71	2.71	1.17	1.31	4.25	6.07	6.35	5.09	2.99	1.73	
22	2.99	4.53	2.71	2.15	1.17	3.27	3.55	5.65	7.23	4.95	2.85	1.73	
23	2.43	4.25	2.29	2.15	1.17	2.57	3.41	5.37	13.59	4.81	3.55	1.59	
24	2.71	3.69	2.01	2.15	1.17	2.57	3.55	4.95	25.58	4.53	2.99	1.59	
25	2.57	3.41	1.87	2.15	0.93	4.53	5.23	4.81	15.94	4.53	2.99	1.59	
26	2.43	3.13	1.87	3.13	0.93	2.15	5.93	4.67	12.11	4.39	2.85	1.45	
27	2.43	2.85	1.73	2.29	0.83	1.87	5.37	4.53	10.08	4.25	2.85	1.45	
28	5.09	2.71	1.59	2.01	0.83	1.59	4.67	4.53	9.03	4.25	2.85	1.45	
29	3.27	3.41	1.59	1.73	0.72	3.97	5.23	4.39	9.93	5.37		1.31	
30	3.27	2.85	1.45	1.59	0.83	3.97	4.53	4.39	8.57	4.39		1.59	
31		3.13		1.59	0.72		3.97		7.53	4.11		1.45	
TOTAL	72.20	113.97	75.56	57.83	39.33	46.69	139.47	307.24	297.69	233.23	93.80	65.95	1542.96 CMSDAY
MEAN	2.41	3.68	2.52	1.87	1.27	1.56	4.50	10.24	9.60	7.52	3.35	2.13	4.23 CMS
MAX	5.09	6.35	4.53	3.97	2.29	4.53	6.93	29.10	25.58	21.26	3.97	3.13	29.10 CMS
MIN	1.73	2.43	1.45	1.17	0.72	0.61	2.85	4.39	5.09	4.11	2.85	1.31	0.61 CMS
RUNOFF	6.238	9.847	6.528	4.997	3.398	4.034	12.050	26.546	25.720	20.151	8.104	5.698	133.312 MCM

MOMENTARY PEAK 43.79 CMS, AT 10.90 M (MSL), AT 21.00 HOURS, ON NOV 2, 1985

RUNOFF YIELD 44.50 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 460.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

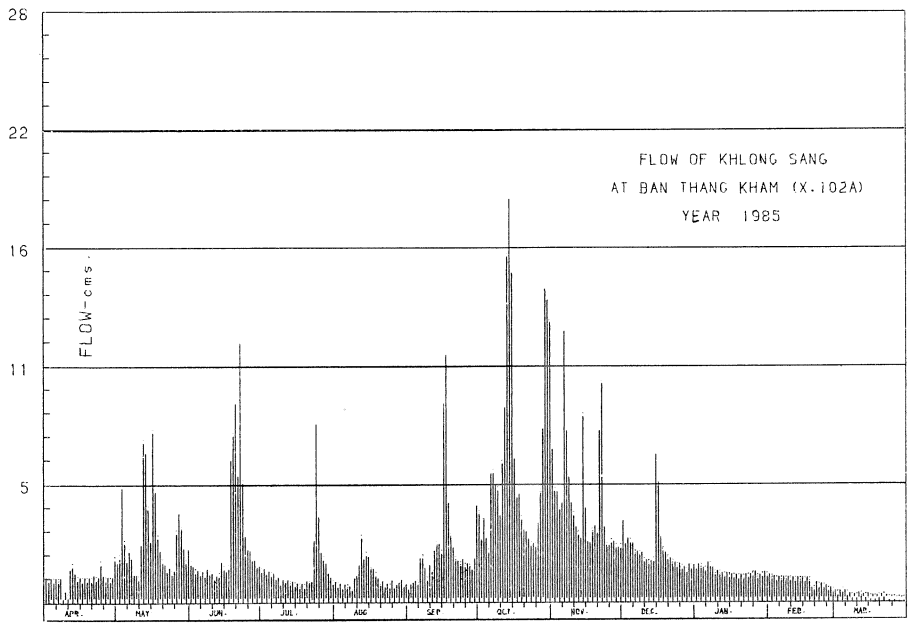
KHLONG SANG AT BAN THANG KHAM, NAKHON SI THAMMARAT (X.102A)

LOCATION	LAT. 8-17-57 N., LONG. 99-23-00 E., ON RIGHT BANK AT BAN THANG KHAM, TAMBON THA YANG, AMPHOE THUNG YAI, NAKHON SI THAMMARAT.
DRAINAGE AREA	152 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+23.100 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 2.70 METERS FROM THE OBSERVER'S HOUSE.
ELEVATION	+28.385 M.(M.S.L.)
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	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.56	24.77	24.79	24.71	24.45	24.37	25.29	25.73	25.21	24.74	24.60	24.25	
2	24.55	24.87	24.73	24.70	24.43	24.39	25.04	25.47	25.03	24.75	24.59	24.24	
3	24.54	25.47	24.70	24.68	24.41	24.53	25.25	25.44	25.06	24.75	24.57	24.24	
4	24.54	25.04	24.68	24.66	24.39	24.47	25.06	25.33	25.05	24.71	24.55	24.30	
5	24.54	24.78	24.67	24.65	24.39	24.49	24.93	25.35	25.00	24.72	24.55	24.25	
6	24.54	24.95	24.66	24.63	24.39	24.82	25.57	26.38	24.91	24.77	24.55	24.23	
7	24.54	24.82	24.65	24.60	24.35	24.87	25.60	25.84	24.90	24.77	24.55	24.18	
8	24.17	24.67	24.70	24.55	24.35	24.71	25.49	25.57	24.90	24.71	24.55	24.18	
9	24.25	24.61	24.68	24.47	24.53	24.56	25.48	25.35	24.89	24.66	24.55	24.16	
10	24.20	24.59	24.63	24.50	24.66	24.74	25.25	25.28	24.82	24.66	24.55	24.18	
11	24.69	24.98	24.60	24.53	24.74	24.71	25.66	25.16	24.80	24.66	24.54	24.20	
12	24.77	25.79	24.58	24.50	25.10	24.91	25.97	25.13	24.80	24.63	24.54	24.21	
13	24.63	25.71	24.64	24.47	24.81	25.02	26.73	25.06	24.79	24.63	24.54	24.16	
14	24.58	25.33	24.78	24.46	24.90	24.99	26.99	25.94	24.83	24.63	24.54	24.18	
15	24.56	25.02	24.74	24.44	24.84	24.92	26.65	25.31	25.70	24.62	24.54	24.18	
16	24.55	25.85	24.66	24.42	24.74	25.99	25.67	25.06	25.51	24.61	24.53	24.15	
17	24.56	25.44	24.75	24.41	24.70	26.26	25.42	25.00	25.07	24.61	24.53	24.15	
18	24.56	25.10	25.66	24.41	24.64	25.35	25.42	25.15	24.95	24.60	24.53	24.15	
19	24.56	24.91	25.83	24.40	24.52	25.11	25.25	25.17	24.89	24.60	24.30	24.14	
20	24.56	24.82	25.99	24.47	24.46	24.95	25.14	25.14	24.85	24.60	24.34	24.17	
21	24.60	24.75	25.58	24.53	24.46	24.84	25.16	25.84	24.82	24.59	24.43	24.16	
22	24.58	24.71	26.31	24.45	24.43	24.79	25.05	26.11	24.80	24.61	24.40	24.19	
23	24.56	24.71	25.53	25.06	24.41	24.78	25.02	25.16	24.77	24.61	24.40	24.14	
24	24.80	24.68	25.08	25.88	24.41	24.81	25.00	25.00	24.76	24.61	24.39	24.13	
25	24.59	24.67	24.97	25.26	24.48	24.76	25.01	24.97	24.76	24.64	24.36	24.13	
26	24.57	25.14	24.91	24.89	24.40	24.76	25.19	25.05	24.74	24.65	24.32	24.13	
27	24.57	25.27	24.84	24.85	24.38	24.78	25.46	25.02	24.72	24.60	24.31	24.11	
28	24.56	25.17	24.80	24.76	24.53	24.68	25.85	24.99	24.70	24.60	24.30	24.12	
29	24.56	24.94	24.76	24.69	24.49	24.86	26.58	24.95	24.75	24.63		24.11	
30	24.85	24.81	24.73	24.54	24.42	25.33	26.51	24.99	24.74	24.64		24.12	
31		24.93		24.49	24.39		26.42		24.74	24.63		24.11	
MEAN	24.56	25.01	24.95	24.65	24.54	24.89	25.58	25.33	24.91	24.65	24.48	24.17	
MAX	24.85	25.85	26.31	25.88	25.10	26.26	26.99	26.38	25.70	24.77	24.60	24.30	26.99
MIN	24.17	24.59	24.58	24.40	24.35	24.37	24.93	24.95	24.70	24.59	24.30	24.11	24.11

ANNUAL MAX MOMENTARY GAGE HEIGHT 27.01 M (MSL), AT 17.00 HOURS, ON OCT 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 23.10 M (MSL), RIVER BED 23.70 M (MSL)
LEFT BANK ELEVATION 28.00 M (MSL)
RIGHT BANK ELEVATION 27.85 M (MSL), DRAINAGE AREA 152 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.21	1.88	1.96	1.64	0.98	0.80	4.34	7.24	3.86	1.76	1.30	0.54	
2	1.19	2.28	1.72	1.60	0.93	0.85	2.96	5.42	2.92	1.80	1.28	0.52	
3	1.17	5.42	1.60	1.54	0.89	1.15	4.10	5.24	3.04	1.80	1.23	0.52	
4	1.17	2.96	1.54	1.48	0.85	1.02	3.04	4.58	3.00	1.64	1.19	0.65	
5	1.17	1.92	1.51	1.45	0.85	1.06	2.52	4.70	2.80	1.68	1.19	0.54	
6	1.17	2.60	1.48	1.39	0.85	2.08	6.09	13.00	2.44	1.88	1.19	0.50	
7	1.17	2.08	1.45	1.30	0.76	2.28	6.30	8.12	2.40	1.88	1.19	0.39	
8	0.37	1.51	1.60	1.19	0.76	1.64	5.54	6.09	2.40	1.64	1.19	0.39	
9	0.54	1.33	1.54	1.02	1.15	1.21	5.48	4.70	2.36	1.48	1.19	0.35	
10	0.43	1.28	1.39	1.08	1.48	1.76	4.10	4.28	2.08	1.48	1.19	0.39	
11	1.57	2.72	1.30	1.15	1.76	1.64	6.72	3.56	2.00	1.48	1.17	0.43	
12	1.88	7.72	1.26	1.08	3.20	2.44	9.23	3.38	2.00	1.39	1.17	0.46	
13	1.39	7.08	1.42	1.02	2.04	2.88	16.50	3.04	1.96	1.39	1.17	0.35	
14	1.26	4.58	1.92	1.00	2.40	2.76	19.10	8.96	2.12	1.39	1.17	0.39	
15	1.21	2.88	1.76	0.95	2.16	2.48	15.70	4.46	7.00	1.36	1.17	0.39	
16	1.19	8.20	1.48	0.91	1.76	9.41	6.79	3.04	5.67	1.33	1.15	0.32	
17	1.21	5.24	1.80	0.89	1.60	11.84	5.12	2.80	3.08	1.33	1.15	0.32	
18	1.21	3.20	6.72	0.89	1.42	4.70	5.12	3.50	2.60	1.30	1.15	0.32	
19	1.21	2.44	8.04	0.87	1.13	3.26	4.10	3.62	2.36	1.30	0.65	0.30	
20	1.21	2.08	9.41	1.02	1.00	2.60	3.44	3.44	2.20	1.30	0.74	0.37	
21	1.30	1.80	6.16	1.15	1.00	2.16	3.56	8.12	2.08	1.28	0.93	0.35	
22	1.26	1.64	12.30	0.98	0.93	1.96	3.00	10.49	2.00	1.33	0.87	0.41	
23	1.21	1.64	5.81	3.04	0.89	1.92	2.88	3.56	1.88	1.33	0.87	0.30	
24	2.00	1.54	3.12	8.44	0.89	2.04	2.80	2.80	1.84	1.33	0.85	0.28	
25	1.28	1.51	2.68	4.16	1.04	1.84	2.84	2.68	1.84	1.42	0.78	0.28	
26	1.23	3.44	2.44	2.36	0.87	1.84	3.74	3.00	1.76	1.45	0.69	0.28	
27	1.23	4.22	2.16	2.20	0.82	1.92	5.36	2.88	1.68	1.30	0.67	0.24	
28	1.21	3.62	2.00	1.84	1.15	1.54	8.20	2.76	1.60	1.30	0.65	0.26	
29	1.21	2.56	1.84	1.57	1.06	2.24	15.00	2.60	1.80	1.39		0.24	
30	2.20	2.04	1.72	1.17	0.91	4.58	14.30	2.76	1.76	1.42		0.26	
31		2.52		1.06	0.85		13.40		1.76	1.39		0.24	
TOTAL	37.06	95.93	91.13	51.44	38.38	79.90	211.37	144.82	78.29	45.55	29.14	11.58	914.59 CMSDAY
MEAN	1.24	3.09	3.04	1.66	1.24	2.66	6.82	4.83	2.53	1.47	1.04	0.37	2.51 CMS
MAX	2.20	8.20	12.30	8.44	3.20	11.84	19.10	13.00	7.00	1.88	1.30	0.65	19.10 CMS
MIN	0.37	1.28	1.26	0.87	0.76	0.80	2.52	2.60	1.60	1.28	0.65	0.24	0.24 CMS
RUNOFF	3.202	8.288	7.874	4.444	3.316	6.903	18.262	12.512	6.764	3.936	2.518	1.001	79.021 MCM

MOMENTARY PEAK 19.31 CMS, AT 27.01 M (MSL), AT 17.00 HOURS, ON OCT 14, 1985

RUNOFF YIELD 16.49 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 127.04 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

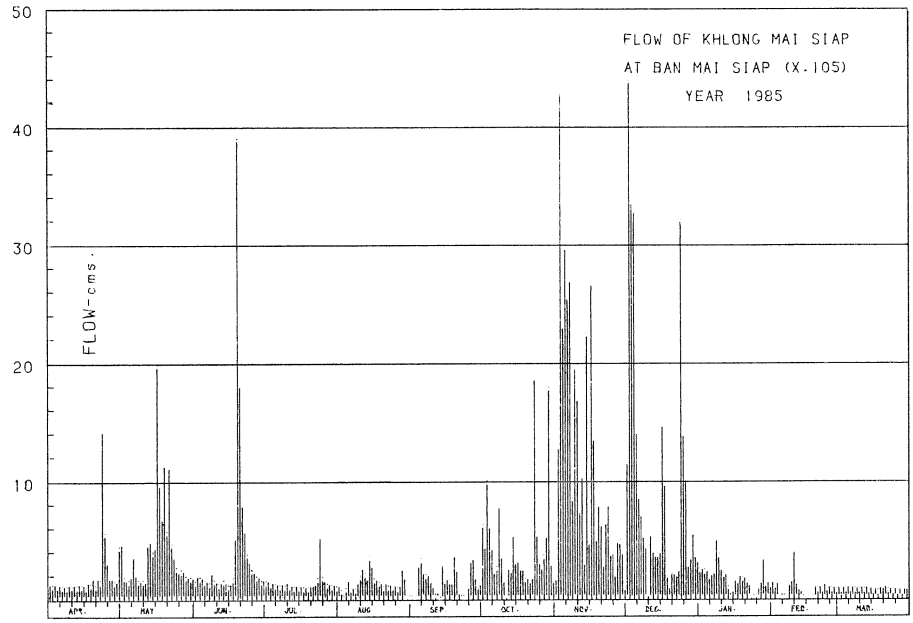
KHLONG MAI SIAP AT BAN MAI SIAP, NAKHON SI THAMMARAT (X.105)

LOCATION	LAT. 7-51-01 N., LONG. 99-55-53 E., ON LEFT BANK AT THE BRIDGE OF NAKHON SI THAMMARAT-PHATTHALUNG HIGHWAY, AT BAN MAI SIAP, AMPHOE CHA-UAT, NAKHON SI THAMMARAT.
DRAINAGE AREA	155 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+10.488 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+20.279 M.(M.S.L.)
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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 74 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	11.38	11.76	11.43	11.43	11.35	11.21	11.91	11.43	12.24	11.56	11.40	11.33	
2	11.38	11.48	11.48	11.42	11.31	11.20	11.73	12.33	13.62	11.55	11.39	11.33	
3	11.38	11.43	11.48	11.41	11.21	11.21	12.16	13.58	13.23	11.55	11.39	11.33	
4	11.38	11.44	11.46	11.40	11.34	11.57	11.88	12.82	13.21	11.53	11.22	11.34	
5	11.37	11.47	11.44	11.39	11.42	11.65	11.75	13.08	12.38	11.50	11.22	11.34	
6	11.37	11.69	11.42	11.38	11.34	11.51	11.51	12.92	12.08	11.49	11.21	11.34	
7	11.36	11.49	11.41	11.38	11.33	11.51	11.58	12.97	11.96	11.55	11.20	11.33	
8	11.36	11.44	11.51	11.38	11.33	11.49	12.01	12.07	11.84	11.79	11.41	11.33	
9	11.37	11.42	11.44	11.37	11.39	11.46	11.68	12.65	11.73	11.69	11.41	11.32	
10	11.38	11.44	11.41	11.40	11.50	11.33	11.41	12.54	11.25	11.54	11.73	11.33	
11	11.37	11.41	11.40	11.38	11.55	11.24	11.23	11.98	11.82	11.52	11.38	11.33	
12	11.37	11.78	11.40	11.36	11.52	11.24	11.55	12.19	11.73	11.50	11.37	11.33	
13	11.38	11.78	11.44	11.36	11.44	11.17	11.56	11.59	11.66	11.36	11.26	11.33	
14	11.38	11.71	11.40	11.36	11.67	11.58	11.82	12.79	11.70	11.23	11.20	11.32	
15	11.37	11.73	11.38	11.36	11.57	11.45	11.63	11.76	11.69	11.33	11.20	11.32	
16	11.36	12.67	11.38	11.35	11.46	11.44	11.61	12.97	12.43	11.42	11.21	11.31	
17	11.40	12.13	11.47	11.35	11.44	11.45	11.58	12.35	12.13	11.45	11.20	11.31	
18	11.40	11.96	11.80	11.34	11.42	11.38	11.54	11.81	11.49	11.48	11.20	11.30	
19	11.45	12.23	13.44	11.35	11.39	11.70	11.46	12.02	11.32	11.47	11.34	11.32	
20	11.38	11.86	12.58	11.35	11.36	11.53	11.45	11.92	11.54	11.46	11.34	11.38	
21	11.45	12.22	12.04	11.42	11.39	11.30	11.46	11.57	11.50	11.46	11.34	11.34	
22	11.44	11.77	11.85	11.37	11.37	11.22	11.45	11.93	11.52	11.36	11.34	11.32	
23	12.39	11.65	11.69	11.47	11.37	11.21	12.62	12.02	11.53	11.22	11.37	11.31	
24	11.85	11.57	11.61	11.81	11.37	11.20	11.82	11.70	13.18	11.21	11.35	11.31	
25	11.60	11.52	11.55	11.48	11.36	11.38	11.63	11.68	12.37	11.23	11.34	11.31	
26	11.50	11.55	11.52	11.42	11.35	11.61	11.55	11.52	12.17	11.31	11.34	11.30	
27	11.45	11.53	11.49	11.40	11.35	11.68	11.68	11.77	11.57	11.45	11.33	11.30	
28	11.43	11.49	11.47	11.38	11.58	11.45	11.81	11.80	11.67	11.63	11.33	11.30	
29	11.41	11.47	11.44	11.38	11.45	11.37	12.58	11.68	11.83	11.41		11.30	
30	11.75	11.48	11.44	11.37	11.22	11.37	11.58	11.35	11.69	11.40		11.37	
31		11.46		11.36	11.21		11.46		11.61	11.40		11.38	
MEAN	11.46	11.68	11.61	11.40	11.40	11.40	11.70	12.16	11.99	11.45	11.32	11.32	
MAX	12.39	12.67	13.44	11.81	11.67	11.70	12.62	13.58	13.62	11.79	11.73	11.38	13.62
MIN	11.36	11.41	11.38	11.34	11.21	11.17	11.23	11.35	11.25	11.21	11.20	11.30	11.17

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.36 M (MSL), AT 18.00 HOURS, ON DEC 2, 1985
ZERO GAGE AT BOTTOM ELEVATION 10.49 M (MSL), RIVER BED 10.13 M (MSL)
LEFT BANK ELEVATION 20.08 M (MSL)
RIGHT BANK ELEVATION 20.29 M (MSL), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.27	4.64	1.60	1.60	1.09	0.39	6.40	1.60	11.45	2.65	1.39	0.97	
2	1.27	1.95	1.95	1.53	0.85	0.34	4.31	13.03	43.90	2.56	1.33	0.97	
3	1.27	1.60	1.95	1.46	0.39	0.39	10.09	42.81	33.43	2.56	1.33	0.97	
4	1.27	1.67	1.81	1.39	1.03	2.75	6.04	23.23	32.91	2.37	0.43	1.03	
5	1.21	1.88	1.67	1.33	1.53	3.51	4.53	29.55	13.98	2.09	0.43	1.03	
6	1.21	3.89	1.53	1.27	1.03	2.18	2.18	25.63	8.77	2.02	0.39	1.03	
7	1.15	2.02	1.46	1.27	0.97	2.18	2.84	26.83	7.05	2.56	0.34	0.97	
8	1.15	1.67	2.18	1.27	0.97	2.02	7.72	8.62	5.56	4.97	1.46	0.97	
9	1.21	1.53	1.67	1.21	1.33	1.81	3.79	19.48	4.31	3.89	1.46	0.91	
10	1.27	1.67	1.46	1.39	2.09	0.97	1.46	17.12	0.57	2.46	4.31	0.97	
11	1.21	1.46	1.39	1.27	2.56	0.52	0.48	7.31	5.32	2.27	1.27	0.97	
12	1.21	4.86	1.39	1.15	2.27	0.52	2.56	10.60	4.31	2.09	1.21	0.97	
13	1.27	4.86	1.67	1.15	1.67	0.24	2.65	2.94	3.60	1.15	0.61	0.97	
14	1.27	4.09	1.39	1.15	3.70	2.84	5.32	22.54	3.98	0.48	0.34	0.91	
15	1.21	4.31	1.27	1.15	2.75	1.74	3.32	4.64	3.89	0.97	0.34	0.91	
16	1.15	19.91	1.27	1.09	1.81	1.67	3.13	26.83	14.93	1.53	0.39	0.85	
17	1.39	9.58	1.88	1.09	1.67	1.74	2.84	13.41	9.58	1.74	0.34	0.85	
18	1.39	7.05	5.08	1.03	1.53	1.27	2.46	5.20	2.02	1.95	0.34	0.79	
19	1.74	11.28	39.03	1.09	1.33	3.98	1.81	7.87	0.91	1.88	1.03	0.91	
20	1.27	5.80	17.98	1.09	1.15	2.37	1.74	6.53	2.46	1.81	1.03	1.27	
21	1.74	11.11	8.17	1.53	1.33	0.79	1.81	2.75	2.09	1.81	1.03	1.03	
22	1.67	4.75	5.68	1.21	1.21	0.43	1.74	6.66	2.27	1.15	1.03	0.91	
23	14.17	3.51	3.89	1.88	1.21	0.39	18.84	7.87	2.37	0.43	1.21	0.85	
24	5.68	2.75	3.13	5.20	1.21	0.34	5.32	3.98	32.13	0.39	1.09	0.85	
25	3.03	2.27	2.56	1.95	1.15	1.27	3.32	3.79	13.79	0.48	1.03	0.85	
26	2.09	2.56	2.27	1.53	1.09	3.13	2.56	2.27	10.26	0.85	1.03	0.79	
27	1.74	2.37	2.02	1.39	1.09	3.79	3.79	4.75	2.75	1.74	0.97	0.79	
28	1.60	2.02	1.88	1.27	2.84	1.74	5.20	5.08	3.70	3.32	0.97	0.79	
29	1.46	1.88	1.67	1.27	1.74	1.21	17.98	3.79	5.44	1.46		0.79	
30	4.53	1.95	1.67	1.21	0.43	1.21	2.84	1.09	3.89	1.39		1.21	
31		1.81		1.15	0.39		1.81		3.13	1.39		1.27	
TOTAL	63.10	132.70	122.57	44.57	45.41	47.73	140.88	357.80	294.75	58.41	28.13	29.35	1365.40 CMSDAY
MEAN	2.10	4.28	4.09	1.44	1.46	1.59	4.54	11.93	9.51	1.88	1.00	0.95	3.74 CMS
MAX	14.17	19.91	39.03	5.20	3.70	3.98	18.84	42.81	43.90	4.97	4.31	1.27	43.90 CMS
MIN	1.15	1.46	1.27	1.03	0.39	0.24	0.48	1.09	0.57	0.39	0.34	0.79	0.24 CMS
RUNOFF	5.452	11.465	10.590	3.851	3.923	4.124	12.172	30.914	25.466	5.047	2.430	2.536	117.971 MCM

MOMENTARY PEAK 65.26 CMS, AT 14.36 M (MSL), AT 18.00 HOURS, ON DEC 2, 1985

RUNOFF YIELD 24.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 421.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

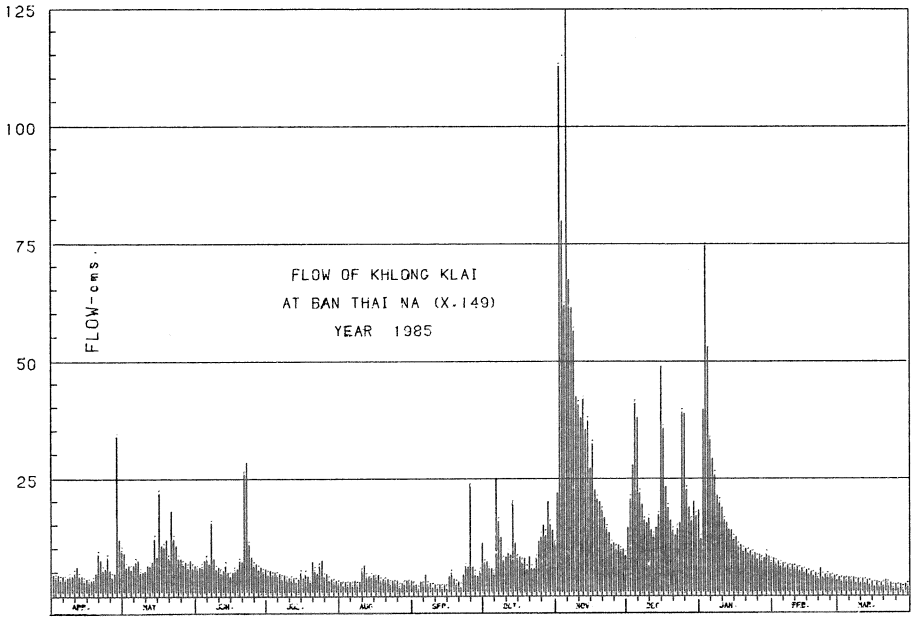
KHLONG KLAI AT BAN THAI NA, NAKHON SI THAMMARAT (X.149)

LOCATION	LAT. 8-43-48 N., LONG. 99-44-52 E., ON LEFT BANK AT BAN THAI NA, AMPHOE THA SA LA, NAKHON SI THAMMARAT.
DRAINAGE AREA	469 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+28.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE STATION OFFICE.
ELEVATION	+34.588 M.(M.S.L.)
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 FLOAT	-
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 127 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	28.78	28.91	28.84	28.81	28.73	28.73	28.87	29.16	29.03	29.00	28.88	28.76	
2	28.78	28.85	28.83	28.81	28.73	28.71	28.86	30.03	29.15	29.40	28.87	28.76	
3	28.78	28.84	28.85	28.80	28.73	28.70	28.85	29.78	29.25	29.74	28.86	28.76	
4	28.77	28.84	28.87	28.80	28.73	28.73	28.82	29.63	29.42	29.54	28.86	28.76	
5	28.77	28.84	28.90	28.80	28.73	28.73	28.81	30.12	29.38	29.33	28.85	28.76	
6	28.77	28.88	28.85	28.79	28.73	28.78	29.21	29.68	29.17	29.27	28.85	28.76	
7	28.76	28.87	29.06	28.78	28.74	28.73	29.07	29.62	29.12	29.23	28.84	28.76	
8	28.79	28.82	28.88	28.78	28.73	28.72	28.99	29.58	29.07	29.15	28.84	28.75	
9	28.77	28.80	28.84	28.77	28.73	28.72	28.89	29.43	29.05	29.14	28.84	28.75	
10	28.81	28.83	28.83	28.76	28.82	28.71	28.89	29.42	29.08	29.11	28.84	28.75	
11	28.83	28.84	28.82	28.77	28.84	28.71	28.93	29.38	29.02	29.07	28.83	28.75	
12	28.79	28.86	28.81	28.76	28.79	28.71	28.90	29.43	29.01	29.05	28.83	28.75	
13	28.77	28.86	28.86	28.76	28.77	28.71	29.13	29.35	29.03	29.04	28.82	28.74	
14	28.76	29.00	28.80	28.75	28.79	28.71	28.96	29.38	29.09	29.02	28.82	28.74	
15	28.75	28.89	28.80	28.81	28.78	28.71	28.90	29.24	29.50	29.00	28.81	28.73	
16	28.75	29.17	28.80	28.76	28.78	28.77	28.89	29.32	29.36	28.99	28.81	28.73	
17	28.74	28.95	28.83	28.81	28.78	28.81	28.88	29.17	29.18	28.96	28.80	28.73	
18	28.76	28.96	28.82	28.77	28.76	28.75	28.88	29.15	29.12	28.95	28.80	28.72	
19	28.79	28.98	28.88	28.76	28.75	28.74	28.84	29.13	29.06	28.94	28.79	28.72	
20	28.92	28.90	28.86	28.86	28.76	28.73	28.89	29.11	29.03	28.93	28.78	28.73	
21	28.87	29.10	29.23	28.83	28.75	28.72	28.84	29.07	29.00	28.93	28.82	28.74	
22	28.83	29.00	29.26	28.79	28.74	28.78	28.82	29.04	29.04	28.92	28.79	28.73	
23	28.82	28.95	28.97	28.85	28.74	28.85	28.90	29.01	29.05	28.92	28.78	28.72	
24	28.90	28.90	28.89	28.87	28.74	28.83	28.97	28.97	29.40	28.91	28.79	28.71	
25	28.81	28.88	28.86	28.79	28.74	29.19	29.01	28.96	29.39	28.90	28.78	28.71	
26	28.79	28.87	28.85	28.79	28.72	28.83	29.04	28.95	29.18	28.90	28.78	28.71	
27	28.79	28.86	28.84	28.77	28.72	28.81	29.02	28.95	29.11	28.89	28.77	28.71	
28	29.34	28.85	28.83	28.75	28.74	28.77	29.13	28.94	29.07	28.88	28.77	28.70	
29	28.98	28.87	28.82	28.75	28.74	28.82	29.06	28.93	29.13	28.92		28.71	
30	28.94	28.85	28.82	28.74	28.74	28.96	29.02	28.92	29.09	28.89		28.72	
31		28.84		28.74	28.74		28.97		29.10	28.88		28.70	
MEAN	28.82	28.90	28.88	28.79	28.75	28.77	28.94	29.30	29.15	29.06	28.82	28.73	
MAX	29.34	29.17	29.26	28.87	28.84	29.19	29.21	30.12	29.50	29.74	28.88	28.76	30.12
MIN	28.74	28.80	28.80	28.74	28.72	28.70	28.81	28.92	29.00	28.88	28.77	28.70	28.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 30.38 M (MSL), AT 14.00 HOURS, ON NOV 5, 1985
ZERO GAGE AT BOTTOM ELEVATION 28.30 M (MSL), RIVER BED -0.01 M (MSL)
LEFT BANK ELEVATION 35.05 M (MSL)
RIGHT BANK ELEVATION 34.40 M (MSL), DRAINAGE AREA 469 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.60	9.22	6.64	5.56	3.10	3.10	7.72	22.02	14.59	13.00	8.08	4.00	
2	4.60	7.00	6.28	5.56	3.10	2.50	7.36	113.29	21.40	39.70	7.72	4.00	
3	4.60	6.64	7.00	5.20	3.10	2.20	7.00	79.98	27.90	75.14	7.36	4.00	
4	4.30	6.64	7.72	5.20	3.10	3.10	5.92	62.60	41.56	53.12	7.36	4.00	
5	4.30	6.64	8.80	5.20	3.10	3.10	5.56	126.24	38.02	33.82	7.00	4.00	
6	4.30	8.08	7.00	4.90	3.10	4.60	25.18	68.10	22.64	29.26	7.00	4.00	
7	4.00	7.72	16.18	4.60	3.40	3.10	16.71	61.50	19.54	26.54	6.64	4.00	
8	4.90	5.92	8.08	4.60	3.10	2.80	12.58	57.24	16.71	21.40	6.64	3.70	
9	4.30	5.20	6.64	4.30	3.10	2.80	8.44	42.49	15.65	20.78	6.64	3.70	
10	5.56	6.28	6.28	4.00	5.92	2.50	8.44	41.56	17.24	18.92	6.64	3.70	
11	6.28	6.64	5.92	4.30	6.64	2.50	10.06	38.02	14.06	16.71	6.28	3.70	
12	4.90	7.36	5.56	4.00	4.90	2.50	8.80	42.49	13.53	15.65	6.28	3.70	
13	4.30	7.36	7.36	4.00	4.30	2.50	20.16	35.50	14.59	15.12	5.92	3.40	
14	4.00	13.00	5.20	3.70	4.90	2.50	11.32	38.02	17.77	14.06	5.92	3.40	
15	3.70	8.44	5.20	5.56	4.60	2.50	8.80	27.22	49.00	13.00	5.56	3.10	
16	3.70	22.64	5.20	4.00	4.60	4.30	8.44	32.98	36.34	12.58	5.56	3.10	
17	3.40	10.90	6.28	5.56	4.60	5.56	8.08	22.64	23.26	11.32	5.20	3.10	
18	4.00	11.32	5.92	4.30	4.00	3.70	8.08	21.40	19.54	10.90	5.20	2.80	
19	4.90	12.16	8.08	4.00	3.70	3.40	6.64	20.16	16.18	10.48	4.90	2.80	
20	9.64	8.80	7.36	7.36	4.00	3.10	8.44	18.92	14.59	10.06	4.60	3.10	
21	7.72	18.30	26.54	6.28	3.70	2.80	6.64	16.71	13.00	10.06	5.92	3.40	
22	6.28	13.00	28.58	4.90	3.40	4.60	5.92	15.12	15.12	9.64	4.90	3.10	
23	5.92	10.90	11.74	7.00	3.40	7.00	8.80	13.53	15.65	9.64	4.60	2.80	
24	8.80	8.80	8.44	7.72	3.40	6.28	11.74	11.74	39.70	9.22	4.90	2.50	
25	5.56	8.08	7.36	4.90	3.40	23.88	13.53	11.32	38.86	8.80	4.60	2.50	
26	4.90	7.72	7.00	4.90	2.80	6.28	15.12	10.90	23.26	8.80	4.60	2.50	
27	4.90	7.36	6.64	4.30	2.80	5.56	14.06	10.90	18.92	8.44	4.30	2.50	
28	34.66	7.00	6.28	3.70	3.40	4.30	20.16	10.48	16.71	8.08	4.30	2.20	
29	12.16	7.72	5.92	3.70	3.40	5.92	16.18	10.06	20.16	9.64		2.50	
30	10.48	7.00	5.92	3.40	3.40	11.32	14.06	9.64	17.77	8.44		2.80	
31		6.64		3.40	3.40		11.74		18.30	8.08		2.20	
TOTAL	195.66	280.48	257.12	150.10	116.86	140.30	341.68	1092.77	691.56	560.40	164.62	100.30	4091.85 CMSDAY
MEAN	6.52	9.05	8.57	4.84	3.77	4.68	11.02	36.43	22.31	18.08	5.88	3.24	11.21 CMS
MAX	34.66	22.64	28.58	7.72	6.64	23.88	25.18	126.24	49.00	75.14	8.08	4.00	126.24 CMS
MIN	3.40	5.20	5.20	3.40	2.80	2.20	5.56	9.64	13.00	8.08	4.30	2.20	2.20 CMS
RUNOFF	16.905	24.233	22.215	12.969	10.097	12.122	29.521	94.415	59.751	48.419	14.223	8.666	353.536 MCM

MOMENTARY PEAK 165.40 CMS, AT 30.38 M (MSL), AT 14.00 HOURS, ON NOV 5, 1985

RUNOFF YIELD 23.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 352.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

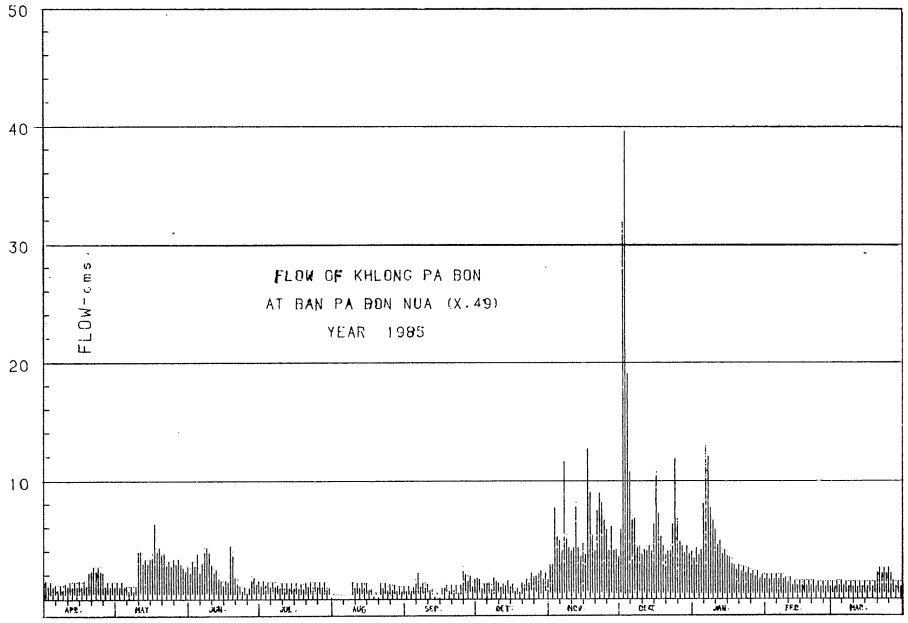
KHLONG PA BON AT BAN PA BON NUA, PHATTHALUNG (X.49)

LOCATION	LAT. 7-16-35 N., LONG. 100-10-01 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE ON HIGHWAY AT BAN PA BON NUA, AMPHOE PAK PHAYUN, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+21.90 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+25.454 M.(M.S.L.)
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	1967-1970, 1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.70	22.69	22.78	22.70	22.57	22.65	22.75	22.80	22.96	22.86	22.74	22.69	
2	22.69	22.69	22.82	22.70	22.56	22.65	22.71	22.83	23.80	22.89	22.74	22.69	
3	22.69	22.69	22.82	22.70	22.56	22.65	22.67	23.04	23.97	22.88	22.74	22.70	
4	22.68	22.69	22.86	22.69	22.55	22.64	22.67	22.95	23.45	22.88	22.74	22.70	
5	22.66	22.65	22.78	22.69	22.55	22.71	22.72	22.92	23.16	23.07	22.74	22.70	
6	22.66	22.65	22.81	22.69	22.55	22.75	22.68	22.90	23.01	23.24	22.74	22.70	
7	22.66	22.65	22.89	22.69	22.55	22.69	22.66	23.19	23.00	23.22	22.74	22.69	
8	22.66	22.65	22.89	22.66	22.56	22.68	22.72	22.94	22.91	23.04	22.74	22.69	
9	22.67	22.65	22.89	22.68	22.69	22.68	22.73	22.89	22.90	23.01	22.72	22.69	
10	22.69	22.89	22.80	22.68	22.68	22.67	22.68	22.90	22.88	22.96	22.72	22.69	
11	22.69	22.87	22.78	22.68	22.68	22.66	22.69	22.89	22.88	22.92	22.72	22.69	
12	22.69	22.83	22.77	22.68	22.68	22.62	22.67	23.06	22.90	22.92	22.70	22.69	
13	22.69	22.83	22.74	22.68	22.68	22.59	22.70	22.89	22.90	22.88	22.70	22.69	
14	22.69	22.83	22.70	22.68	22.68	22.58	22.70	22.87	22.90	22.88	22.70	22.69	
15	22.70	22.83	22.70	22.68	22.68	22.58	22.69	22.91	22.98	22.87	22.70	22.69	
16	22.69	22.86	22.70	22.68	22.66	22.63	22.67	22.88	23.16	22.84	22.70	22.69	
17	22.70	22.98	22.72	22.67	22.62	22.68	22.65	23.23	23.02	22.83	22.70	22.69	
18	22.70	22.89	22.90	22.67	22.60	22.66	22.63	23.11	22.95	22.80	22.70	22.69	
19	22.75	22.89	22.87	22.67	22.59	22.65	22.64	22.94	22.90	22.80	22.70	22.69	
20	22.79	22.88	22.72	22.68	22.59	22.66	22.68	22.90	22.88	22.80	22.70	22.78	
21	22.79	22.86	22.71	22.69	22.68	22.66	22.71	23.03	22.87	22.79	22.70	22.78	
22	22.79	22.82	22.65	22.69	22.68	22.66	22.71	23.11	22.90	22.79	22.69	22.78	
23	22.79	22.82	22.65	22.69	22.68	22.63	22.72	23.06	22.98	22.78	22.69	22.78	
24	22.79	22.82	22.64	22.69	22.65	22.66	22.75	23.01	23.21	22.78	22.69	22.78	
25	22.75	22.83	22.63	22.69	22.67	22.79	22.76	22.96	23.00	22.77	22.69	22.78	
26	22.69	22.83	22.63	22.69	22.66	22.74	22.73	22.90	22.93	22.76	22.69	22.78	
27	22.69	22.83	22.73	22.69	22.66	22.73	22.78	22.97	22.90	22.76	22.69	22.70	
28	22.69	22.83	22.72	22.69	22.65	22.73	22.76	22.90	22.89	22.76	22.69	22.69	
29	22.69	22.78	22.71	22.69	22.65	22.69	22.74	22.88	22.90	22.74		22.69	
30	22.69	22.79	22.70	22.63	22.65	22.71	22.75	22.87	22.88	22.74		22.69	
31		22.79		22.58	22.65		22.74		22.87	22.74		22.66	
MEAN	22.71	22.79	22.76	22.68	22.63	22.67	22.71	22.96	23.03	22.87	22.71	22.71	
MAX	22.79	22.98	22.90	22.70	22.69	22.79	22.78	23.23	23.97	23.24	22.74	22.78	23.97
MIN	22.66	22.65	22.63	22.58	22.55	22.58	22.63	22.80	22.87	22.74	22.69	22.66	22.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 24.13 M (MSL), AT 15.00 HOURS, ON DEC 2, 1985
ZERO GAGE AT BOTTOM ELEVATION 21.90 M (MSL), RIVER BED 21.73 M (MSL)
LEFT BANK ELEVATION 26.81 M (MSL)
RIGHT BANK ELEVATION 24.63 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.55	1.46	2.63	1.55	0.45	1.10	2.23	2.90	5.88	3.86	2.09	1.46	
2	1.46	1.46	3.22	1.55	0.39	1.10	1.68	3.38	32.20	4.34	2.09	1.46	
3	1.46	1.46	3.22	1.55	0.39	1.10	1.28	7.72	39.58	4.18	2.09	1.55	
4	1.37	1.46	3.86	1.46	0.32	1.01	1.28	5.65	19.35	4.18	2.09	1.55	
5	1.19	1.10	2.63	1.46	0.32	1.68	1.82	4.96	10.77	8.41	2.09	1.55	
6	1.19	1.10	3.06	1.46	0.32	2.23	1.37	4.50	7.03	12.97	2.09	1.55	
7	1.19	1.10	4.34	1.46	0.32	1.46	1.19	11.61	6.80	12.43	2.09	1.46	
8	1.19	1.10	4.34	1.19	0.39	1.37	1.82	5.42	4.73	7.72	2.09	1.46	
9	1.28	1.10	4.34	1.37	1.46	1.37	1.95	4.34	4.50	7.03	1.82	1.46	
10	1.46	4.34	2.90	1.37	1.37	1.28	1.37	4.50	4.18	5.88	1.82	1.46	
11	1.46	4.02	2.63	1.37	1.37	1.19	1.46	4.34	4.18	4.96	1.82	1.46	
12	1.46	3.38	2.50	1.37	1.37	0.83	1.28	8.18	4.50	4.96	1.55	1.46	
13	1.46	3.38	2.09	1.37	1.37	0.58	1.55	4.34	4.50	4.18	1.55	1.46	
14	1.46	3.38	1.55	1.37	1.37	0.52	1.55	4.02	4.50	4.18	1.55	1.46	
15	1.55	3.38	1.55	1.37	1.37	0.52	1.46	4.73	6.34	4.02	1.55	1.46	
16	1.46	3.86	1.55	1.37	1.19	0.92	1.28	4.18	10.77	3.54	1.55	1.46	
17	1.55	6.34	1.82	1.28	0.83	1.37	1.10	12.70	7.26	3.38	1.55	1.46	
18	1.55	4.34	4.50	1.28	0.65	1.19	0.92	9.38	5.65	2.90	1.55	1.46	
19	2.23	4.34	4.02	1.28	0.58	1.10	1.01	5.42	4.50	2.90	1.55	1.46	
20	2.76	4.18	1.82	1.37	0.58	1.19	1.37	4.50	4.18	2.90	1.55	2.63	
21	2.76	3.86	1.68	1.46	1.37	1.19	1.68	7.49	4.02	2.76	1.55	2.63	
22	2.76	3.22	1.10	1.46	1.37	1.19	1.68	9.38	4.50	2.76	1.46	2.63	
23	2.76	3.22	1.10	1.46	1.37	0.92	1.82	8.18	6.34	2.63	1.46	2.63	
24	2.76	3.22	1.01	1.46	1.10	1.19	2.23	7.03	12.16	2.63	1.46	2.63	
25	2.23	3.38	0.92	1.46	1.28	2.76	2.36	5.88	6.80	2.50	1.46	2.63	
26	1.46	3.38	0.92	1.46	1.19	2.09	1.95	4.50	5.19	2.36	1.46	2.63	
27	1.46	3.38	1.95	1.46	1.19	1.95	2.63	6.11	4.50	2.36	1.46	1.55	
28	1.46	3.38	1.82	1.46	1.10	1.95	2.36	4.50	4.34	2.36	1.46	1.46	
29	1.46	2.63	1.68	1.46	1.10	1.46	2.09	4.18	4.50	2.09		1.46	
30	1.46	2.76	1.55	0.92	1.10	1.68	2.23	4.02	4.18	2.09		1.46	
31		2.76		0.52	1.10		2.09		4.02	2.09		1.19	
TOTAL	50.85	91.47	72.30	42.43	29.68	39.49	52.09	178.04	251.95	135.55	47.90	53.63	1045.38 CMSDAY
MEAN	1.69	2.95	2.41	1.37	0.96	1.32	1.68	5.93	8.13	4.37	1.71	1.73	2.86 CMS
MAX	2.76	6.34	4.50	1.55	1.46	2.76	2.63	12.70	39.58	12.97	2.09	2.63	39.58 CMS
MIN	1.19	1.10	0.92	0.52	0.32	0.52	0.92	2.90	4.02	2.09	1.46	1.19	0.32 CMS
RUNOFF	4.393	7.903	6.247	3.666	2.564	3.412	4.501	15.383	21.768	11.712	4.139	4.634	90.321 MCM

MOMENTARY PEAK 46.84 CMS, AT 24.13 M (MSL), AT 15.00 HOURS, ON DEC 2, 1985

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

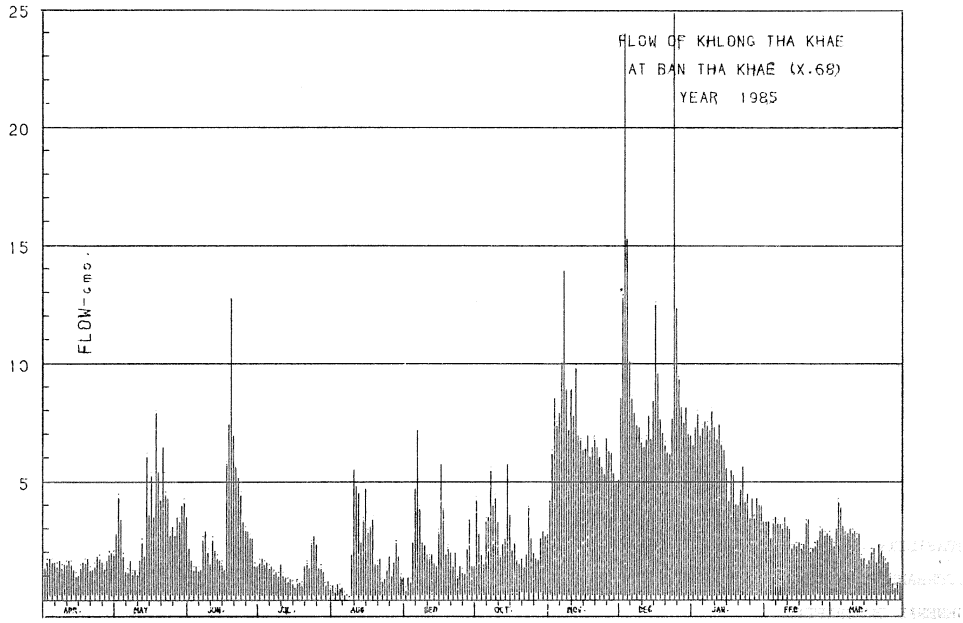
KHLONG THA KHAE AT BAN THA KHAE, PHATTHALUNG (X.68)

LOCATION	LAT. 7-34-01 N., LONG. 100-03-05 E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, TAMBON THA KHAE, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.800 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+14.916 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.55	12.72	12.67	12.60	12.44	12.43	12.88	12.86	13.23	13.08	12.77	12.70	
2	12.60	12.89	12.59	12.60	12.42	12.50	12.72	13.05	13.55	13.13	12.79	12.68	
3	12.60	12.78	12.56	12.59	12.45	12.50	12.64	13.23	14.25	13.19	12.70	12.74	
4	12.60	12.63	12.56	12.58	12.45	12.68	12.57	13.15	13.72	13.10	12.78	12.87	
5	12.58	12.53	12.56	12.57	12.42	12.92	12.79	13.18	13.35	13.14	12.79	12.83	
6	12.58	12.55	12.54	12.56	12.40	13.12	12.79	13.36	13.24	13.15	12.78	12.77	
7	12.59	12.59	12.71	12.54	12.36	12.84	12.99	13.62	13.18	13.15	12.76	12.73	
8	12.57	12.54	12.73	12.53	12.34	12.68	12.84	13.27	13.15	13.12	12.76	12.74	
9	12.57	12.54	12.65	12.53	12.62	12.69	12.89	13.12	13.13	13.20	12.79	12.74	
10	12.59	12.54	12.57	12.57	12.99	12.62	12.77	13.27	13.09	13.13	12.77	12.74	
11	12.59	12.59	12.71	12.53	12.92	12.62	12.63	13.17	13.06	13.10	12.74	12.73	
12	12.59	12.70	12.64	12.50	12.91	12.62	12.67	13.34	13.10	13.14	12.67	12.72	
13	12.54	12.61	12.62	12.50	12.68	12.60	12.72	13.10	13.17	13.08	12.67	12.72	
14	12.53	13.04	12.59	12.49	12.79	12.56	13.00	13.10	13.10	13.05	12.68	12.62	
15	12.51	12.80	12.59	12.48	12.91	12.74	12.81	13.05	13.22	13.00	12.68	12.60	
16	12.57	12.97	12.54	12.42	12.74	13.00	12.64	13.07	13.53	12.86	12.67	12.59	
17	12.58	12.79	13.01	12.49	12.75	12.84	12.70	13.10	13.31	12.99	12.67	12.59	
18	12.60	13.19	13.14	12.46	12.80	12.62	12.59	13.04	13.17	12.96	12.78	12.65	
19	12.60	12.97	13.55	12.47	12.57	12.67	12.60	13.06	13.11	12.86	12.78	12.65	
20	12.56	12.88	13.10	12.56	12.59	12.63	12.60	13.10	13.08	12.84	12.65	12.60	
21	12.54	13.06	13.00	12.59	12.60	12.58	12.58	13.06	13.04	12.92	12.65	12.67	
22	12.58	12.90	12.95	12.55	12.50	12.63	12.62	13.04	13.05	12.99	12.68	12.65	
23	12.61	12.87	12.90	12.69	12.49	12.52	12.85	12.99	13.16	12.87	12.69	12.61	
24	12.62	12.73	12.77	12.71	12.56	12.56	12.70	12.98	14.51	12.89	12.75	12.60	
25	12.58	12.75	12.75	12.69	12.61	12.55	12.65	13.09	13.51	12.80	12.74	12.58	
26	12.57	12.73	12.73	12.55	12.53	12.52	12.60	13.06	13.30	12.87	12.73	12.52	
27	12.59	12.79	12.72	12.57	12.58	12.67	12.62	13.04	13.20	12.80	12.72	12.45	
28	12.64	12.79	12.70	12.53	12.69	12.78	12.70	12.98	13.16	12.87	12.73	12.45	
29	12.63	12.84	12.58	12.47	12.61	12.58	12.75	12.93	13.20	12.86		12.46	
30	12.64	12.87	12.56	12.47	12.52	12.56	12.71	12.96	13.12	12.84		12.49	
31		12.79		12.44	12.50		12.74		13.10	12.79		12.51	
MEAN	12.58	12.77	12.74	12.54	12.60	12.66	12.72	13.11	13.29	12.99	12.73	12.65	
MAX	12.64	13.19	13.55	12.71	12.99	13.12	13.00	13.62	14.51	13.20	12.79	12.87	14.51
MIN	12.51	12.53	12.54	12.42	12.34	12.43	12.57	12.86	13.04	12.79	12.65	12.45	12.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.63 M (MSL), AT 12.00 HOURS, ON DEC 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 11.80 M (MSL), RIVER BED 11.22 M (MSL)
LEFT BANK ELEVATION 15.20 M (MSL)
RIGHT BANK ELEVATION 16.44 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.35	2.80	2.35	1.75	0.62	0.57	4.40	4.20	8.54	6.71	3.30	2.60	
2	1.75	4.50	1.67	1.75	0.51	0.95	2.80	6.35	12.93	7.31	3.50	2.43	
3	1.75	3.40	1.43	1.67	0.68	0.95	2.09	8.54	24.00	8.03	2.60	3.00	
4	1.75	2.00	1.43	1.59	0.68	2.43	1.51	7.55	15.41	6.95	3.40	4.30	
5	1.59	1.19	1.43	1.51	0.51	4.83	3.50	7.91	10.10	7.43	3.50	3.90	
6	1.59	1.35	1.27	1.43	0.40	7.19	3.50	10.23	8.67	7.55	3.40	3.30	
7	1.67	1.67	2.70	1.27	0.24	4.00	5.64	13.94	7.91	7.55	3.20	2.90	
8	1.51	1.27	2.90	1.19	0.16	2.43	4.00	9.06	7.55	7.19	3.20	3.00	
9	1.51	1.27	2.18	1.19	1.92	2.52	4.50	7.19	7.31	8.15	3.50	3.00	
10	1.67	1.27	1.51	1.51	5.64	1.92	3.30	9.06	6.83	7.31	3.30	3.00	
11	1.67	1.67	2.70	1.19	4.83	1.92	2.00	7.79	6.47	6.95	3.00	2.90	
12	1.67	2.60	2.09	0.95	4.72	1.92	2.35	9.97	6.95	7.43	2.35	2.80	
13	1.27	1.84	1.92	0.95	2.43	1.75	2.80	6.95	7.79	6.71	2.35	2.80	
14	1.19	6.23	1.67	0.89	3.50	1.43	5.75	6.95	6.95	6.35	2.43	1.92	
15	1.03	3.60	1.67	0.84	4.72	3.00	3.70	6.35	8.41	5.75	2.43	1.75	
16	1.51	5.41	1.27	0.51	3.00	5.75	2.09	6.59	12.64	4.20	2.35	1.67	
17	1.59	3.50	5.87	0.89	3.10	4.00	2.60	6.95	9.58	5.64	2.35	1.67	
18	1.75	8.03	7.43	0.73	3.60	1.92	1.67	6.23	7.79	5.29	3.40	2.18	
19	1.75	5.41	12.93	0.79	1.51	2.35	1.75	6.47	7.07	4.20	3.40	2.18	
20	1.43	4.40	6.95	1.43	1.67	2.00	1.75	6.95	6.71	4.00	2.18	1.75	
21	1.27	6.47	5.75	1.67	1.75	1.59	1.59	6.47	6.23	4.83	2.18	2.35	
22	1.59	4.60	5.18	1.35	0.95	2.00	1.92	6.23	6.35	5.64	2.43	2.18	
23	1.84	4.30	4.60	2.52	0.89	1.11	4.10	5.64	7.67	4.30	2.52	1.84	
24	1.92	2.90	3.30	2.70	1.43	1.43	2.60	5.52	28.48	4.50	3.10	1.75	
25	1.59	3.10	3.10	2.52	1.84	1.35	2.18	6.83	12.35	3.60	3.00	1.59	
26	1.51	2.90	2.90	1.35	1.19	1.11	1.75	6.47	9.45	4.30	2.90	1.11	
27	1.67	3.50	2.80	1.51	1.59	2.35	1.92	6.23	8.15	3.60	2.80	0.68	
28	2.09	3.50	2.60	1.19	2.52	3.40	2.60	5.52	7.67	4.30	2.90	0.68	
29	2.00	4.00	1.59	0.79	1.84	1.59	3.10	4.95	8.15	4.20		0.73	
30	2.09	4.30	1.43	0.79	1.11	1.43	2.70	5.29	7.19	4.00		0.89	
31		3.50		0.62	0.95		3.00		6.95	3.50		1.03	
TOTAL	48.57	106.48	96.62	41.04	60.50	71.19	89.16	214.38	298.25	177.47	80.97	67.88	1352.51 CMSDAY
MEAN	1.62	3.43	3.22	1.32	1.95	2.37	2.88	7.15	9.62	5.72	2.89	2.19	3.71 CMS
MAX	2.09	8.03	12.93	2.70	5.64	7.19	5.75	13.94	28.48	8.15	3.50	4.30	28.48 CMS
MIN	1.03	1.19	1.27	0.51	0.16	0.57	1.51	4.20	6.23	3.50	2.18	0.68	0.16 CMS
RUNOFF	4.196	9.200	8.348	3.546	5.227	6.151	7.703	18.522	25.769	15.333	6.996	5.865	116.857 MCM

MOMENTARY PEAK 30.67 CMS, AT 14.63 M (MSL), AT 12.00 HOURS, ON DEC 24, 1985

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

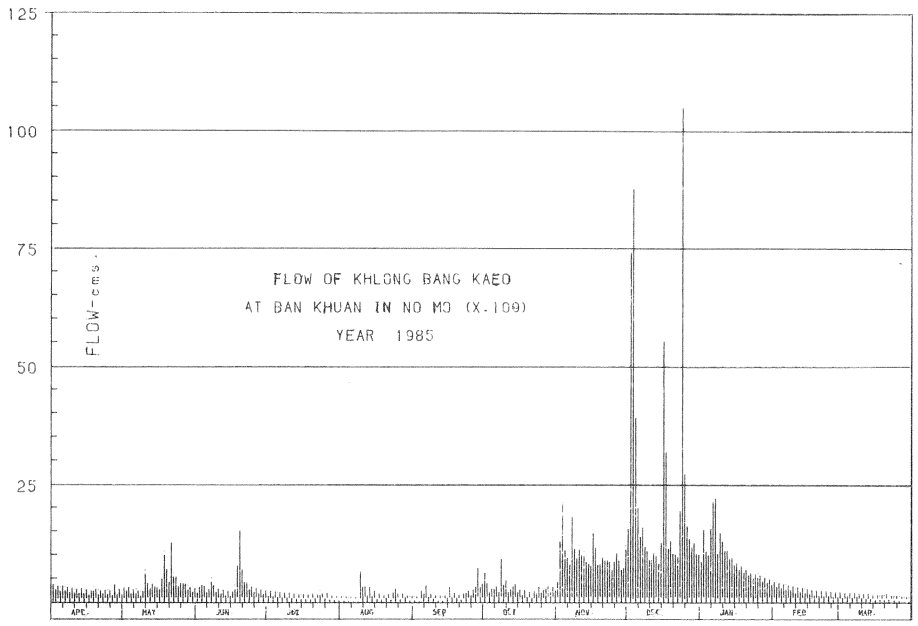
KHLONG BANG KAEO AT BAN KHUAN IN NO MO, PHATTHALUNG (X.109)

LOCATION	LAT. 7-20-36 N., LONG. 100-03-33 E., ON LEFT BANK AT BAN KHUAN IN NOMO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	133 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE HEALTH OFFICE.
ELEVATION	+8.495 M.(A.D.)
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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 119 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.92	0.86	0.85	0.80	0.71	0.71	1.19	0.96	1.75	1.37	0.97	0.78	
2	0.91	0.89	0.87	0.80	0.71	0.70	0.94	1.64	3.99	1.74	0.96	0.77	
3	0.89	0.87	0.99	0.79	0.70	0.70	0.86	2.08	4.17	1.51	0.95	0.77	
4	0.88	0.84	0.89	0.79	0.70	0.80	0.84	1.52	3.00	1.40	0.94	0.80	
5	0.90	0.83	0.86	0.78	0.70	0.83	0.92	1.36	2.01	1.80	0.93	0.77	
6	0.88	0.84	0.84	0.78	0.69	0.90	0.88	1.33	1.70	2.08	0.92	0.77	
7	0.87	0.81	1.04	0.77	0.69	0.78	0.88	1.90	1.77	2.17	0.91	0.77	
8	0.86	0.80	0.90	0.77	0.69	0.75	1.34	1.54	1.57	1.42	0.90	0.79	
9	0.86	0.80	0.86	0.77	1.14	0.75	0.99	1.35	1.46	1.75	0.89	0.76	
10	0.84	1.17	0.84	0.77	0.96	0.72	0.99	1.54	1.39	1.59	0.85	0.76	
11	0.84	0.94	0.84	0.76	0.88	0.71	0.86	1.40	1.33	1.52	0.87	0.75	
12	0.84	0.92	0.82	0.75	0.80	0.72	0.83	1.45	1.49	1.47	0.87	0.75	
13	0.85	0.93	0.81	0.75	0.87	0.71	0.97	1.30	1.39	1.41	0.86	0.75	
14	0.83	0.96	0.80	0.74	0.79	0.72	0.92	1.34	1.34	1.36	0.85	0.75	
15	0.83	0.86	0.80	0.74	0.80	0.76	0.87	1.24	1.57	1.32	0.84	0.74	
16	0.81	0.91	0.79	0.74	0.75	0.87	0.83	1.75	3.61	1.28	0.83	0.73	
17	0.81	1.02	0.91	0.74	0.75	0.77	0.82	1.51	2.62	1.25	0.82	0.73	
18	0.88	1.46	1.24	0.73	0.74	0.76	0.82	1.32	1.54	1.23	0.81	0.73	
19	0.84	1.18	1.78	0.73	0.72	0.76	0.79	1.26	1.59	1.20	0.81	0.74	
20	0.82	1.03	1.18	0.75	0.76	0.73	0.78	1.43	1.48	1.17	0.81	0.73	
21	0.81	1.57	1.03	0.76	0.74	0.73	0.77	1.32	1.41	1.15	0.81	0.75	
22	0.84	1.12	0.95	0.73	0.72	0.75	0.80	1.40	1.44	1.12	0.80	0.73	
23	0.82	1.06	0.91	0.81	0.77	0.85	0.85	1.30	1.97	1.11	0.80	0.72	
24	0.83	0.96	0.88	0.75	0.92	0.80	0.87	1.24	4.37	1.10	0.80	0.72	
25	0.81	0.94	0.86	0.75	0.75	0.81	0.87	1.30	2.39	1.12	0.79	0.72	
26	0.81	1.02	0.85	0.76	0.73	0.83	0.82	1.49	1.83	1.08	0.79	0.71	
27	0.92	0.93	0.84	0.73	0.75	0.96	0.93	1.32	1.62	1.06	0.78	0.71	
28	0.82	0.90	0.83	0.72	0.77	1.20	0.88	1.24	1.57	1.04	0.78	0.70	
29	0.84	0.87	0.82	0.72	0.72	0.95	0.86	1.20	1.57	1.03		0.70	
30	0.82	0.87	0.81	0.71	0.71	0.93	0.87	1.54	1.48	1.01		0.70	
31		0.85		0.71	0.71		0.90		1.41	0.99		0.70	
MEAN	0.85	0.97	0.92	0.75	0.77	0.80	0.89	1.42	1.99	1.35	0.86	0.74	
MAX	0.92	1.57	1.78	0.81	1.14	1.20	1.34	2.08	4.37	2.17	0.97	0.80	4.37
MIN	0.81	0.80	0.79	0.71	0.69	0.70	0.77	0.96	1.33	0.99	0.78	0.70	0.69

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.89 M (A.D), AT 20.00 HOURS, ON DEC 2, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.19 M (A.D)
LEFT BANK ELEVATION 7.68 M (A.D)
RIGHT BANK ELEVATION 8.43 M (A.D), DRAINAGE AREA 133 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.84	3.12	3.00	2.40	1.32	1.32	7.17	4.32	15.55	9.58	4.44	2.16	
2	3.72	3.48	3.24	2.40	1.32	1.20	4.08	13.74	74.60	15.38	4.32	2.04	
3	3.48	3.24	4.68	2.28	1.20	1.20	3.12	21.34	87.66	11.66	4.20	2.04	
4	3.36	2.88	3.48	2.28	1.20	2.40	2.88	11.82	39.80	10.00	4.08	2.40	
5	3.60	2.76	3.12	2.16	1.20	2.76	3.84	9.44	20.08	16.40	3.96	2.04	
6	3.36	2.88	2.88	2.16	1.08	3.60	3.36	9.02	14.70	21.34	3.84	2.04	
7	3.24	2.52	5.28	2.04	1.08	2.16	3.36	18.10	15.89	22.96	3.72	2.04	
8	3.12	2.40	3.60	2.04	1.08	1.80	9.16	12.14	12.62	10.30	3.60	2.28	
9	3.12	2.40	3.12	2.04	6.52	1.80	4.68	9.30	10.90	15.55	3.48	1.92	
10	2.88	6.91	2.88	2.04	4.32	1.44	4.68	12.14	9.86	12.94	3.00	1.92	
11	2.88	4.08	2.88	1.92	3.36	1.32	3.12	10.00	9.02	11.82	3.24	1.80	
12	2.88	3.84	2.64	1.80	2.40	1.44	2.76	10.75	11.35	11.05	3.24	1.80	
13	3.00	3.96	2.52	1.80	3.24	1.32	4.44	8.60	9.86	10.15	3.12	1.80	
14	2.76	4.32	2.40	1.68	2.28	1.44	3.84	9.16	9.16	9.44	3.00	1.80	
15	2.76	3.12	2.40	1.68	2.40	1.92	3.24	7.82	12.62	8.88	2.88	1.68	
16	2.52	3.72	2.28	1.68	1.80	3.24	2.76	15.55	56.00	8.34	2.76	1.56	
17	2.52	5.04	3.72	1.68	1.80	2.04	2.64	11.66	31.82	7.95	2.64	1.56	
18	3.36	10.90	7.82	1.56	1.68	1.92	2.64	8.88	12.14	7.69	2.52	1.56	
19	2.88	7.04	16.06	1.56	1.44	1.92	2.28	8.08	12.94	7.30	2.52	1.68	
20	2.64	5.16	7.04	1.80	1.92	1.56	2.16	10.45	11.20	6.91	2.52	1.56	
21	2.52	12.62	5.16	1.92	1.68	1.56	2.04	8.88	10.15	6.65	2.52	1.80	
22	2.88	6.26	4.20	1.56	1.44	1.80	2.40	10.00	10.60	6.26	2.40	1.56	
23	2.64	5.52	3.72	2.52	2.04	3.00	3.00	8.60	19.36	6.13	2.40	1.44	
24	2.76	4.32	3.36	1.80	3.84	2.40	3.24	7.82	105.43	6.00	2.40	1.44	
25	2.52	4.08	3.12	1.80	1.80	2.52	3.24	8.60	27.20	6.26	2.28	1.44	
26	2.52	5.04	3.00	1.92	1.56	2.76	2.64	11.35	16.91	5.76	2.28	1.32	
27	3.84	3.96	2.88	1.56	1.80	4.32	3.96	8.88	13.42	5.52	2.16	1.32	
28	2.64	3.60	2.76	1.44	2.04	7.30	3.36	7.82	12.62	5.28	2.16	1.20	
29	2.88	3.24	2.64	1.44	1.44	4.20	3.12	7.30	12.62	5.16		1.20	
30	2.64	3.24	2.52	1.32	1.32	3.96	3.24	12.14	11.20	4.92		1.20	
31		3.00		1.32	1.32		3.60		10.15	4.68		1.20	
TOTAL	89.76	138.65	118.40	57.60	62.92	71.62	110.05	313.70	727.43	298.26	85.68	52.80	2126.87 CMSDAY
MEAN	2.99	4.47	3.95	1.86	2.03	2.39	3.55	10.46	23.47	9.62	3.06	1.70	5.83 CMS
MAX	3.84	12.62	16.06	2.52	6.52	7.30	9.16	21.34	105.43	22.96	4.44	2.40	105.43 CMS
MIN	2.52	2.40	2.28	1.32	1.08	1.20	2.04	4.32	9.02	4.68	2.16	1.20	1.08 CMS
RUNOFF	7.755	11.979	10.230	4.977	5.436	6.188	9.508	27.104	62.850	25.770	7.403	4.562	183.762 MCM

MOMENTARY PEAK 171.45 CMS, AT 4.89 M (A.D), AT 20.00 HOURS, ON DEC 2, 1985

RUNOFF YIELD 43.81 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1289.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

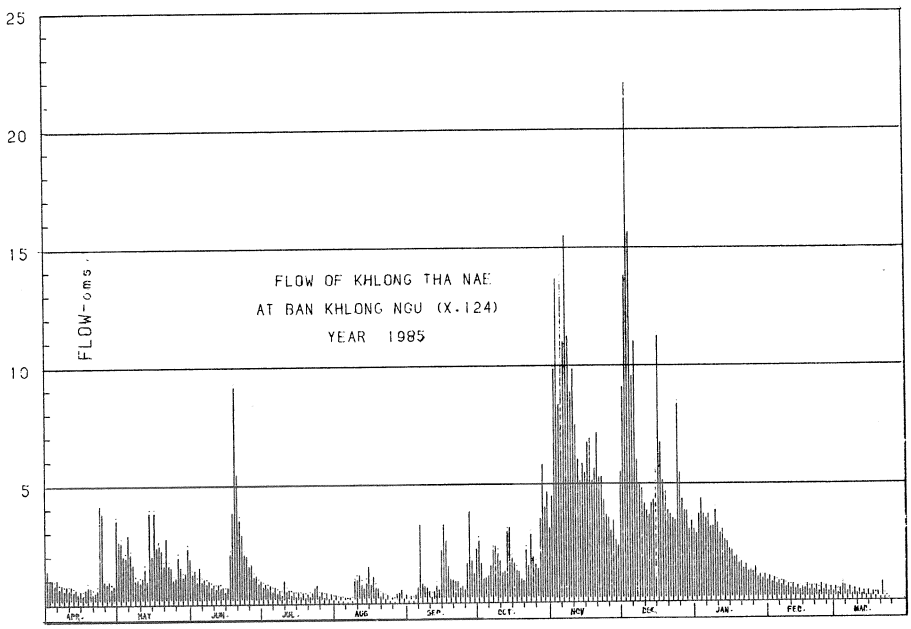
KHLONG THA NAE AT BAN PHLONG NGU, PHATTHALUNG (X.124)

LOCATION	LAT. 7-53-50 N., LONG. 99-49-29 N., ON LEFT BANK ABOUT 5 KILOMETERS DOWNSTREAM FROM PURPOSE DAMSITE, BAN PHLONG NGU, AMPHOE SI BANPHOT, PHATTHALUNG.
DRAINAGE AREA	90 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 35.60 METERS FROM THE GAGE SITE.
ELEVATION	+9.022 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 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.72	0.62	0.56	0.47	0.46	0.73	0.85	1.10	0.75	0.58	0.51	
2	0.60	0.73	0.62	0.55	0.46	0.46	0.64	1.14	1.31	0.80	0.57	0.50	
3	0.58	0.67	0.59	0.55	0.46	0.46	0.60	1.30	1.60	0.85	0.57	0.50	
4	0.57	0.68	0.63	0.54	0.46	0.47	0.58	1.07	1.38	0.80	0.56	0.55	
5	0.58	0.74	0.59	0.53	0.45	0.55	0.61	1.32	1.12	0.80	0.55	0.52	
6	0.55	0.69	0.58	0.53	0.45	0.77	0.63	1.19	1.19	0.80	0.55	0.51	
7	0.55	0.64	0.58	0.52	0.45	0.57	0.70	1.37	0.94	0.77	0.55	0.51	
8	0.54	0.60	0.57	0.51	0.46	0.53	0.70	1.20	0.89	0.76	0.54	0.49	
9	0.54	0.58	0.56	0.51	0.58	0.55	0.69	1.09	0.87	0.82	0.53	0.50	
10	0.54	0.59	0.55	0.57	0.60	0.50	0.65	1.14	0.84	0.77	0.53	0.50	
11	0.54	0.59	0.55	0.53	0.60	0.49	0.62	1.02	0.81	0.75	0.53	0.49	
12	0.53	0.64	0.55	0.51	0.57	0.50	0.61	0.95	0.81	0.75	0.53	0.49	
13	0.52	0.57	0.55	0.51	0.52	0.56	0.76	0.89	0.83	0.73	0.52	0.48	
14	0.52	0.82	0.53	0.50	0.58	0.51	0.76	0.94	0.85	0.71	0.52	0.48	
15	0.51	0.67	0.53	0.50	0.63	0.70	0.67	0.91	0.94	0.70	0.51	0.48	
16	0.51	0.82	0.53	0.50	0.57	0.77	0.64	0.99	1.20	0.68	0.53	0.48	
17	0.52	0.70	0.69	0.50	0.59	0.73	0.63	0.99	0.98	0.67	0.53	0.47	
18	0.56	0.72	0.81	0.49	0.55	0.63	0.61	0.90	0.90	0.66	0.52	0.47	
19	0.53	0.69	1.11	0.49	0.52	0.60	0.60	0.92	0.86	0.65	0.52	0.47	
20	0.52	0.65	0.91	0.48	0.50	0.57	0.56	1.01	0.82	0.64	0.52	0.46	
21	0.50	0.73	0.80	0.50	0.49	0.59	0.70	0.90	0.80	0.63	0.52	0.54	
22	0.54	0.65	0.74	0.49	0.48	0.56	0.63	0.91	0.80	0.63	0.51	0.46	
23	0.83	0.63	0.69	0.55	0.47	0.55	0.75	0.84	0.78	0.62	0.53	0.44	
24	0.82	0.60	0.67	0.54	0.46	0.53	0.66	0.81	1.07	0.61	0.52	0.42	
25	0.57	0.59	0.65	0.50	0.45	0.54	0.65	0.79	0.91	0.62	0.52	0.41	
26	0.58	0.68	0.64	0.50	0.45	0.64	0.62	0.76	0.85	0.62	0.51	0.41	
27	0.57	0.63	0.61	0.49	0.48	0.82	0.80	0.78	0.81	0.60	0.51	0.40	
28	0.55	0.61	0.60	0.49	0.52	0.65	0.93	0.73	0.82	0.59	0.51	0.40	
29	0.54	0.61	0.58	0.48	0.51	0.62	0.83	0.70	0.75	0.59		0.43	
30	0.80	0.71	0.57	0.48	0.48	0.69	0.86	0.92	0.79	0.59		0.41	
31		0.66		0.47	0.47		0.77		0.75	0.58		0.40	
MEAN	0.57	0.66	0.64	0.51	0.51	0.59	0.68	0.98	0.95	0.69	0.53	0.47	
MAX	0.83	0.82	1.11	0.57	0.63	0.82	0.93	1.37	1.60	0.85	0.58	0.55	1.60
MIN	0.50	0.57	0.53	0.47	0.45	0.46	0.56	0.70	0.75	0.58	0.51	0.40	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.95 M (A.D), AT 18.00 HOURS, ON DEC 3, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.43 M (A.D)
LEFT BANK ELEVATION 5.11 M (A.D)
RIGHT BANK ELEVATION 4.73 M (A.D), DRAINAGE AREA 90 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.44	2.66	1.44	0.92	0.35	0.30	2.79	4.50	9.10	3.05	1.06	0.57	
2	1.20	2.79	1.44	0.85	0.30	0.30	1.68	10.02	13.96	3.70	0.99	0.50	
3	1.06	2.04	1.13	0.85	0.30	0.30	1.20	13.70	22.00	4.50	0.99	0.50	
4	0.99	2.16	1.56	0.78	0.30	0.35	1.06	8.50	15.78	3.70	0.92	0.85	
5	1.06	2.92	1.13	0.71	0.25	0.85	1.32	14.22	9.56	3.70	0.85	0.64	
6	0.85	2.28	1.06	0.71	0.25	3.31	1.56	11.17	11.17	3.70	0.85	0.57	
7	0.85	1.68	1.06	0.64	0.25	0.99	2.40	15.52	6.02	3.31	0.85	0.57	
8	0.78	1.20	0.99	0.57	0.30	0.71	2.40	11.40	5.14	3.18	0.78	0.45	
9	0.78	1.06	0.92	0.57	1.06	0.85	2.28	8.90	4.82	4.02	0.71	0.50	
10	0.78	1.13	0.85	0.99	1.20	0.50	1.80	10.02	4.34	3.31	0.71	0.50	
11	0.78	1.13	0.85	0.71	1.20	0.45	1.44	7.50	3.86	3.05	0.71	0.45	
12	0.71	1.68	0.85	0.57	0.99	0.50	1.32	6.20	3.86	3.05	0.71	0.45	
13	0.64	0.99	0.85	0.57	0.64	0.92	3.18	5.14	4.18	2.79	0.64	0.40	
14	0.64	4.02	0.71	0.50	1.06	0.57	3.18	6.02	4.50	2.53	0.64	0.40	
15	0.57	2.04	0.71	0.50	1.56	2.40	2.04	5.48	6.02	2.40	0.57	0.40	
16	0.57	4.02	0.71	0.50	0.99	3.31	1.68	6.92	11.40	2.16	0.71	0.40	
17	0.64	2.40	2.28	0.50	1.13	2.79	1.56	6.92	6.74	2.04	0.71	0.35	
18	0.92	2.66	3.86	0.45	0.85	1.56	1.32	5.30	5.30	1.92	0.64	0.35	
19	0.71	2.28	9.33	0.45	0.64	1.20	1.20	5.66	4.66	1.80	0.64	0.35	
20	0.64	1.80	5.48	0.40	0.50	0.99	0.92	7.30	4.02	1.68	0.64	0.30	
21	0.50	2.79	3.70	0.50	0.45	1.13	2.40	5.30	3.70	1.56	0.64	0.78	
22	0.78	1.80	2.92	0.45	0.40	0.92	1.56	5.48	3.70	1.56	0.57	0.30	
23	4.18	1.56	2.28	0.85	0.35	0.85	3.05	4.34	3.44	1.44	0.71	0.20	
24	4.02	1.20	2.04	0.78	0.30	0.71	1.92	3.86	8.50	1.32	0.64	0.10	
25	0.99	1.13	1.80	0.50	0.25	0.78	1.80	3.57	5.48	1.44	0.64	0.05	
26	1.06	2.16	1.68	0.50	0.25	1.68	1.44	3.18	4.50	1.44	0.57	0.05	
27	0.99	1.56	1.32	0.45	0.40	4.02	3.70	3.44	3.86	1.20	0.57	0.00	
28	0.85	1.32	1.20	0.45	0.64	1.80	5.84	2.79	4.02	1.13	0.57	0.00	
29	0.78	1.32	1.06	0.40	0.57	1.44	4.18	2.40	3.05	1.13		0.15	
30	3.70	2.53	0.99	0.40	0.40	2.28	4.66	5.66	3.57	1.13		0.05	
31		1.92		0.35	0.35		3.31		3.05	1.06		0.00	
TOTAL	34.46	62.23	56.20	18.37	18.48	38.76	70.19	210.41	203.30	74.00	20.23	11.18	817.81 CMSDAY
MEAN	1.15	2.01	1.87	0.59	0.60	1.29	2.26	7.01	6.56	2.39	0.72	0.36	2.24 CMS
MAX	4.18	4.02	9.33	0.99	1.56	4.02	5.84	15.52	22.00	4.50	1.06	0.85	22.00 CMS
MIN	0.50	0.99	0.71	0.35	0.25	0.30	0.92	2.40	3.05	1.06	0.57	0.00	0.00 CMS
RUNOFF	2.977	5.377	4.856	1.587	1.597	3.349	6.064	18.179	17.565	6.394	1.748	0.966	70.659 MCM

MOMENTARY PEAK 32.95 CMS, AT 1.95 M (A.D), AT 18.00 HOURS, ON DEC 3, 1985

RUNOFF YIELD 24.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 366.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

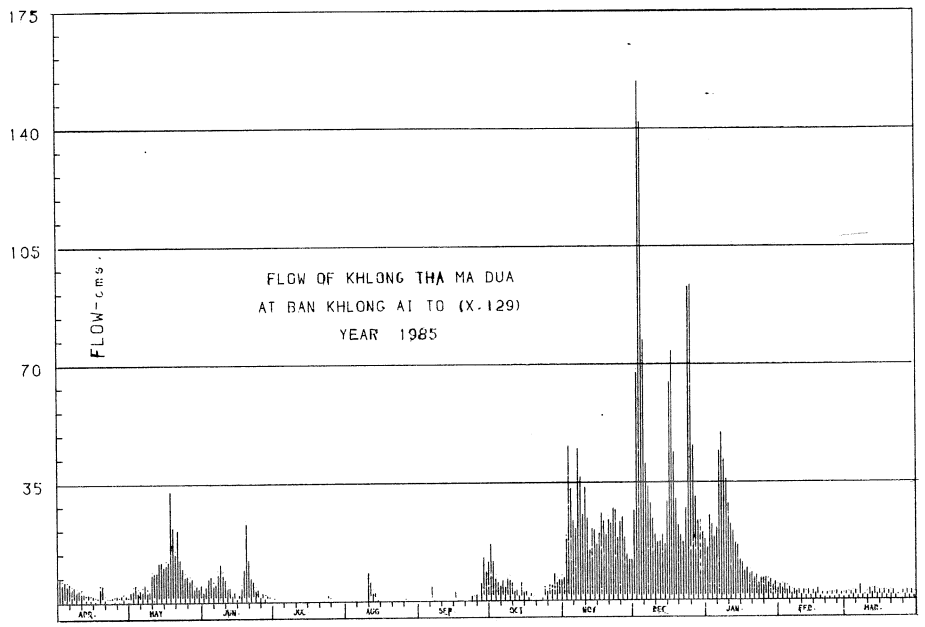
KHLONG THA MA DUA AT BAN KHLONG AI TO, PHATTHALUNG (X.129)

LOCATION	LAT. 07-23-19 N., LONG. 100-06-44 N., ON RIGHT BANK NEAR WAT BAN AI TO, BAN KHLONG AI TO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	332 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+13.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+20.510 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 52 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	14.17	13.89	13.98	13.70	13.65	13.61	14.81	14.15	15.23	14.73	14.00	13.82	
2	14.13	14.01	13.99	13.69	13.65	13.61	14.48	14.86	16.88	15.15	14.02	13.83	
3	14.11	14.04	14.24	13.67	13.66	13.61	14.22	16.05	19.41	15.08	14.01	13.82	
4	14.10	13.97	14.20	13.66	13.64	13.61	14.06	15.59	19.11	14.83	13.98	13.88	
5	14.07	13.93	14.10	13.65	13.64	13.61	14.09	15.08	17.17	15.03	13.94	13.86	
6	14.03	13.99	14.04	13.65	13.65	13.98	14.10	15.03	15.88	15.99	13.91	13.83	
7	14.00	14.04	14.32	13.65	13.65	13.75	14.06	16.02	15.57	16.25	13.90	13.98	
8	13.98	13.97	14.44	13.65	13.65	13.65	14.13	15.73	15.40	15.88	13.95	13.84	
9	13.94	13.91	14.30	13.65	13.68	13.63	14.20	15.17	15.11	15.70	13.89	13.75	
10	13.96	14.31	14.14	13.64	14.33	13.61	14.05	15.61	14.93	15.33	13.89	13.84	
11	13.86	14.27	14.04	13.64	14.08	13.61	13.97	15.12	14.76	15.08	13.88	13.91	
12	13.82	14.37	13.98	13.64	13.94	13.61	13.91	14.70	14.84	14.92	13.86	13.92	
13	13.83	14.47	13.92	13.68	13.84	13.61	13.87	14.96	14.87	14.80	13.89	13.93	
14	13.81	14.56	13.88	13.70	13.77	13.60	14.06	15.02	14.79	14.71	13.86	13.90	
15	13.79	14.39	13.82	13.67	13.72	13.60	13.96	14.73	15.36	14.55	13.87	13.87	
16	13.76	14.51	13.80	13.65	13.68	13.86	13.87	14.96	16.79	14.44	13.92	13.89	
17	13.74	14.49	14.05	13.66	13.65	13.71	13.83	15.19	17.06	14.35	13.92	13.88	
18	14.04	15.57	14.34	13.65	13.63	13.64	13.81	15.14	16.01	14.33	13.84	13.85	
19	14.03	15.00	15.11	13.65	13.63	13.63	13.73	14.87	15.40	14.30	13.80	13.84	
20	13.80	14.66	14.52	13.65	13.63	13.62	13.71	15.15	15.06	14.24	13.80	13.88	
21	13.73	14.96	14.25	13.71	13.63	13.61	13.72	15.04	14.86	14.22	13.80	13.86	
22	13.72	14.58	14.10	13.69	13.64	13.62	13.73	15.32	14.83	14.19	13.80	13.85	
23	13.75	14.36	14.00	13.67	13.63	13.84	13.82	15.24	15.26	14.12	13.82	13.75	
24	13.77	14.27	13.94	13.77	13.62	13.75	13.98	14.88	17.71	14.13	13.81	13.73	
25	13.79	14.21	13.88	13.72	13.71	13.91	13.98	15.06	17.70	14.22	13.84	13.85	
26	13.75	14.21	13.85	13.68	13.63	13.75	14.01	15.19	16.09	14.14	13.84	13.87	
27	13.80	14.16	13.82	13.70	13.62	14.13	14.10	14.83	15.43	14.12	13.80	13.87	
28	13.85	14.04	13.78	13.65	13.62	14.54	14.23	14.64	15.13	14.10	13.80	13.85	
29	13.80	14.01	13.74	13.65	13.61	14.37	14.15	14.50	15.13	14.07		13.86	
30	13.75	14.05	13.73	13.65	13.61	14.47	14.11	14.56	14.96	14.05		13.83	
31		14.03		13.65	13.61		14.20		14.80	14.01		13.82	
MEAN	13.89	14.30	14.08	13.67	13.70	13.77	14.03	15.08	15.86	14.68	13.88	13.85	
MAX	14.17	15.57	15.11	13.77	14.33	14.54	14.81	16.05	19.41	16.25	14.02	13.98	19.41
MIN	13.72	13.89	13.73	13.64	13.61	13.60	13.71	14.15	14.76	14.01	13.80	13.73	13.60

ANNUAL MAX MOMENTARY GAGE HEIGHT 19.70 M (MSL), AT 18.00 HOURS, ON DEC 3, 1985
ZERO GAGE AT BOTTOM ELEVATION 13.30 M (MSL), RIVER BED 13.14 M (MSL)
LEFT BANK ELEVATION 20.19 M (MSL)
RIGHT BANK ELEVATION 20.35 M (MSL), DRAINAGE AREA 332 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.05	2.90	4.20	1.00	0.75	0.55	18.20	6.75	26.60	16.60	4.50	2.20	
2	6.45	4.65	4.35	0.95	0.75	0.55	11.70	19.20	68.40	25.00	4.80	2.30	
3	6.15	5.10	8.10	0.85	0.80	0.55	7.80	45.75	153.90	23.60	4.65	2.20	
4	6.00	4.05	7.50	0.80	0.70	0.55	5.40	34.25	142.85	18.60	4.20	2.80	
5	5.55	3.45	6.00	0.75	0.70	0.55	5.85	23.60	77.10	22.60	3.60	2.60	
6	4.95	4.35	5.10	0.75	0.75	4.20	6.00	22.60	41.50	44.25	3.15	2.30	
7	4.50	5.10	9.30	0.75	0.75	1.50	5.40	45.00	33.75	50.75	3.00	4.20	
8	4.20	4.05	11.10	0.75	0.75	0.75	6.45	37.75	30.00	41.50	3.75	2.40	
9	3.60	3.15	9.00	0.75	0.90	0.65	7.50	25.40	24.20	37.00	2.90	1.50	
10	3.90	9.15	6.60	0.70	9.45	0.55	5.25	34.75	20.60	28.60	2.90	2.40	
11	2.60	8.55	5.10	0.70	5.70	0.55	4.05	24.40	17.20	23.60	2.80	3.15	
12	2.20	10.05	4.20	0.70	3.60	0.55	3.15	16.00	18.80	20.40	2.60	3.30	
13	2.30	11.55	3.30	0.90	2.40	0.55	2.70	21.20	19.40	18.00	2.90	3.45	
14	2.10	13.20	2.80	1.00	1.70	0.50	5.40	22.40	17.80	16.20	2.60	3.00	
15	1.90	10.35	2.20	0.85	1.20	0.50	3.90	16.60	29.20	13.00	2.70	2.70	
16	1.60	12.20	2.00	0.75	0.90	2.60	2.70	21.20	65.70	11.10	3.30	2.90	
17	1.40	11.85	5.25	0.80	0.75	1.10	2.30	25.80	73.80	9.75	3.30	2.80	
18	5.10	33.75	9.60	0.75	0.65	0.70	2.10	24.80	44.75	9.45	2.40	2.50	
19	4.95	22.00	24.20	0.75	0.65	0.65	1.30	19.40	30.00	9.00	2.00	2.40	
20	2.00	15.20	12.40	0.75	0.65	0.60	1.10	25.00	23.20	8.10	2.00	2.80	
21	1.30	21.20	8.25	1.10	0.65	0.55	1.20	22.80	19.20	7.80	2.00	2.60	
22	1.20	13.60	6.00	0.95	0.70	0.60	1.30	28.40	18.60	7.35	2.00	2.50	
23	1.50	9.90	4.50	0.85	0.65	2.40	2.20	26.80	27.20	6.30	2.20	1.50	
24	1.70	8.55	3.60	1.70	0.60	1.50	4.20	19.60	93.85	6.45	2.10	1.30	
25	1.90	7.65	2.80	1.20	1.10	3.15	4.20	23.20	93.50	7.80	2.40	2.50	
26	1.50	7.65	2.50	0.90	0.65	1.50	4.65	25.80	46.75	6.60	2.40	2.70	
27	2.00	6.90	2.20	1.00	0.60	6.45	6.00	18.60	30.60	6.30	2.00	2.70	
28	2.50	5.10	1.80	0.75	0.60	12.80	7.95	14.80	24.60	6.00	2.00	2.50	
29	2.00	4.65	1.40	0.75	0.55	10.05	6.75	12.00	24.60	5.55		2.60	
30	1.50	5.25	1.30	0.75	0.55	11.55	6.15	13.20	21.20	5.25		2.30	
31		4.95		0.75	0.55		7.50		18.00	4.65		2.20	
TOTAL	95.60	290.05	176.65	26.70	41.70	69.25	160.35	717.05	1376.85	517.15	81.15	79.30	3631.80 CMSDAY
MEAN	3.19	9.36	5 89	0.86	1.35	2.31	5.17	23.90	44.41	16.68	2.90	2.56	9.95 CMS
MAX	7.05	33.75	24.20	1.70	9.45	12.80	18.20	45.75	153.90	50.75	4.80	4.20	153.90 CMS
MIN	1.20	2.90	1.30	0.70	0.55	0.50	1.10	6.75	17.20	4.65	2.00	1.30	0.50 CMS
RUNOFF	8.260	25.060	15.263	2.307	3.603	5.983	13.854	61.953	118.960	44.682	7.011	6.852	313.788 MCM

MOMENTARY PEAK 165.50 CMS, AT 19.70 M (MSL), AT 18.00 HOURS, ON DEC 3, 1985

RUNOFF YIELD 29.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 498.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

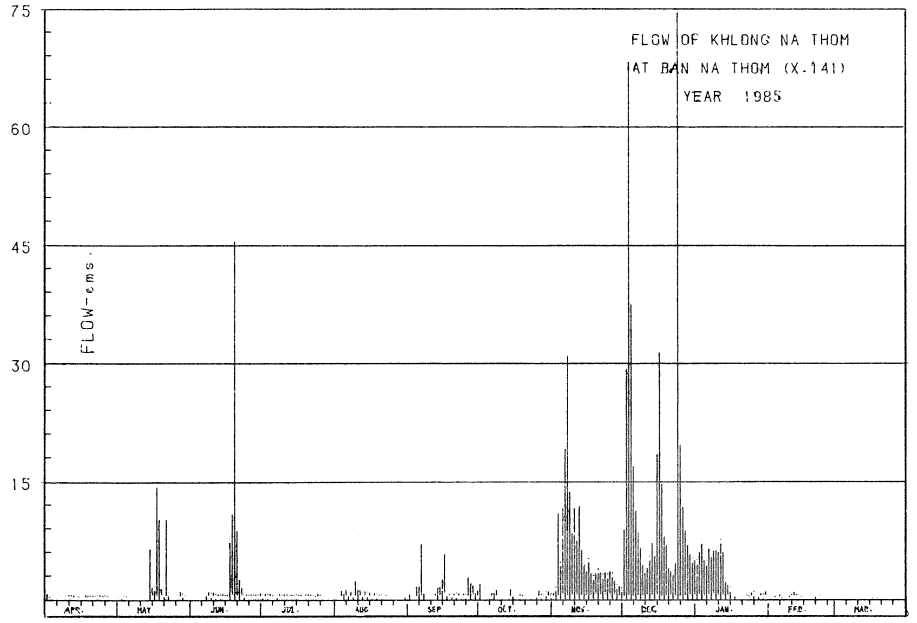
KHLONG NA THOM AT BAN NA THOM, PHATTHALUNG (X.141)

LOCATION	LAT. 7-35-32 N., LONG. 100-00-44 E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-TRANG HIGHWAY AT BAN NA THOM, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+15.210 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+21.348 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +19.04 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NA THOM WEIR. STAGE-DISCHARGE RELATION DEFINED BY 16 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	15.78	15.70	15.69	15.80	15.74	15.86	16.07	15.80	16.57	16.31	15.68	15.64	
2	15.70	15.75	15.69	15.79	15.71	15.69	15.75	15.95	17.55	16.38	15.60	15.61	
3	15.70	15.74	15.68	15.78	15.86	15.65	15.74	16.70	18.69	16.49	15.71	15.60	
4	15.68	15.71	15.70	15.79	15.91	15.95	15.74	16.28	17.84	16.30	15.68	15.60	
5	15.65	15.72	15.70	15.75	15.89	16.03	15.78	16.74	17.02	16.30	15.75	15.59	
6	15.64	15.71	15.69	15.72	15.85	16.45	15.80	17.14	16.74	16.41	15.61	15.60	
7	15.63	15.70	15.84	15.79	15.83	15.90	15.92	17.60	16.55	16.38	15.60	15.62	
8	15.71	15.69	15.83	15.78	15.84	15.71	15.88	16.88	16.45	16.39	15.59	15.62	
9	15.72	15.69	15.82	15.77	16.04	15.74	15.71	16.54	16.25	16.44	15.72	15.60	
10	15.75	15.68	15.82	15.77	15.99	15.72	15.72	16.77	16.21	16.38	15.76	15.59	
11	15.75	15.68	15.79	15.77	15.88	15.72	15.68	16.48	16.22	16.49	15.83	15.61	
12	15.73	15.70	15.77	15.75	15.83	15.78	15.67	16.78	16.34	16.38	15.77	15.61	
13	15.72	15.69	15.77	15.76	15.85	16.01	15.66	16.40	16.46	16.08	15.75	15.62	
14	15.71	16.44	15.78	15.75	15.84	15.94	15.90	16.29	16.38	15.98	15.70	15.58	
15	15.70	15.94	15.76	15.77	15.82	16.13	15.84	16.17	17.09	15.94	15.69	15.61	
16	15.70	15.97	15.76	15.76	15.78	16.36	15.73	16.32	17.63	15.71	15.66	15.59	
17	15.75	16.89	16.50	15.75	15.80	15.84	15.70	16.15	16.91	15.83	15.64	15.63	
18	15.74	16.68	16.69	15.74	15.79	15.77	15.77	16.12	16.54	15.70	15.64	15.62	
19	15.74	15.91	18.09	15.76	15.76	15.82	15.74	16.15	16.44	15.70	15.63	15.62	
20	15.73	15.83	16.56	15.78	15.76	15.79	15.71	16.21	16.26	15.71	15.80	15.63	
21	15.73	16.65	16.12	15.75	15.74	15.81	15.69	16.16	16.18	15.70	15.74	15.62	
22	15.75	15.83	15.93	15.75	15.74	15.80	15.69	16.14	16.19	15.76	15.73	15.62	
23	15.75	15.64	15.81	15.71	15.73	15.79	15.71	16.16	16.27	15.72	15.71	15.61	
24	15.72	15.62	15.77	15.79	15.75	15.79	15.70	16.14	19.30	15.81	15.68	15.62	
25	15.75	15.65	15.76	15.75	15.72	15.79	15.80	16.18	17.14	15.85	15.69	15.62	
26	15.72	15.73	15.77	15.73	15.70	16.09	15.86	16.16	16.77	15.59	15.67	15.63	
27	15.71	15.84	15.76	15.73	15.69	16.08	15.78	16.04	16.56	15.75	15.64	15.62	
28	15.70	15.81	15.76	15.71	15.73	15.97	15.76	15.99	16.48	15.79	15.64	15.64	
29	15.68	15.74	15.77	15.71	15.70	15.92	15.85	15.95	16.36	15.78		15.62	
30	15.73	15.72	15.80	15.71	15.80	15.87	15.84	15.93	16.32	15.84		15.62	
31		15.70		15.75	15.65		15.79		16.30	15.70		15.61	
MEAN	15.72	15.86	15.94	15.76	15.80	15.89	15.77	16.34	16.77	16.02	15.69	15.61	
MAX	15.78	16.89	18.09	15.80	16.04	16.45	16.07	17.60	19.30	16.49	15.83	15.64	19.30
MIN	15.63	15.62	15.68	15.71	15.65	15.65	15.66	15.80	16.18	15.59	15.59	15.58	15.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 19.65 M (MSL), AT 9.00 HOURS, ON DEC 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 15.21 M (MSL), RIVER BED 14.96 M (MSL)
LEFT BANK ELEVATION 20.98 M (MSL)
RIGHT BANK ELEVATION 19.03 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	0.40	0.38	0.80	0.56	1.10	2.63	0.80	8.92	5.13	0.36	0.28	
2	0.40	0.60	0.38	0.76	0.44	0.38	0.60	1.65	29.65	6.04	0.20	0.22	
3	0.40	0.56	0.36	0.72	1.10	0.30	0.56	11.00	68.30	7.65	0.44	0.20	
4	0.36	0.44	0.40	0.76	1.37	1.65	0.56	4.76	37.94	5.00	0.36	0.20	
5	0.30	0.48	0.40	0.60	1.25	2.27	0.72	11.70	16.95	5.00	0.60	0.18	
6	0.28	0.44	0.38	0.48	1.05	7.05	0.80	19.65	11.70	6.45	0.22	0.20	
7	0.26	0.40	1.00	0.76	0.95	1.30	1.44	31.00	8.60	6.04	0.20	0.24	
8	0.44	0.38	0.95	0.72	1.00	0.44	1.20	14.15	7.05	6.17	0.18	0.24	
9	0.48	0.38	0.90	0.68	2.36	0.56	0.44	8.44	4.40	6.90	0.48	0.20	
10	0.60	0.36	0.90	0.68	1.93	0.48	0.48	12.23	3.92	6.04	0.64	0.18	
11	0.60	0.36	0.76	0.68	1.20	0.48	0.36	7.50	4.04	7.65	0.95	0.22	
12	0.52	0.40	0.68	0.60	0.95	0.72	0.34	12.40	5.52	6.04	0.68	0.22	
13	0.48	0.38	0.68	0.64	1.05	2.09	0.32	6.30	7.20	2.72	0.60	0.24	
14	0.44	6.90	0.72	0.60	1.00	1.58	1.30	4.88	6.04	1.86	0.40	0.16	
15	0.40	1.58	0.64	0.68	0.90	3.17	1.00	3.53	18.52	1.58	0.38	0.22	
16	0.40	1.79	0.64	0.64	0.72	5.78	0.52	5.26	31.84	0.44	0.32	0.18	
17	0.60	14.32	7.80	0.60	0.80	1.00	0.40	3.35	14.70	0.95	0.28	0.26	
18	0.56	10.68	10.84	0.56	0.76	0.68	0.68	3.08	8.44	0.40	0.28	0.24	
19	0.56	1.37	45.97	0.64	0.64	0.90	0.56	3.35	6.90	0.40	0.26	0.24	
20	0.52	0.95	8.76	0.72	0.64	0.76	0.44	3.92	4.52	0.44	0.80	0.26	
21	0.52	10.20	3.08	0.60	0.56	0.85	0.38	3.44	3.62	0.40	0.56	0.24	
22	0.60	0.95	1.51	0.60	0.56	0.80	0.38	3.26	3.71	0.64	0.52	0.24	
23	0.60	0.28	0.85	0.44	0.52	0.76	0.44	3.44	4.64	0.48	0.44	0.22	
24	0.48	0.24	0.68	0.76	0.60	0.76	0.40	3.26	94.20	0.85	0.36	0.24	
25	0.60	0.30	0.64	0.60	0.48	0.76	0.80	3.62	19.65	1.05	0.38	0.24	
26	0.48	0.52	0.68	0.52	0.40	2.81	1.10	3.44	12.23	0.18	0.34	0.26	
27	0.44	1.00	0.64	0.52	0.38	2.72	0.72	2.36	8.76	0.60	0.28	0.24	
28	0.40	0.85	0.64	0.44	0.52	1.79	0.64	1.93	7.50	0.76	0.28	0.28	
29	0.36	0.56	0.68	0.44	0.40	1.44	1.05	1.65	5.78	0.72		0.24	
30	0.52	0.48	0.80	0.44	0.80	1.15	1.00	1.51	5.26	1.00		0.24	
31		0.40		0.60	0.30		0.76		5.00	0.40		0.22	
TOTAL	14.32	58.95	93.74	19.28	26.19	46.53	23.02	196.86	475.50	89.98	11.79	7.04	1063.20 CMSDAY
MEAN	0.48	1.90	3.12	0.62	0.84	1.55	0.74	6.56	15.34	2.90	0.42	0.23	2.91 CMS
MAX	0.72	14.32	45.97	0.80	2.36	7.05	2.63	31.00	94.20	7.65	0.95	0.28	94.20 CMS
MIN	0.26	0.24	0.36	0.44	0.30	0.30	0.32	0.80	3.62	0.18	0.18	0.16	0.16 CMS
RUNOFF	1.237	5.093	8.099	1.666	2.263	4.020	1.989	17.009	41.083	7.774	1.019	0.608	91.860 MCM

MOMENTARY PEAK 118.78 CMS, AT 19.65 M (MSL), AT 9.00 HOURS, ON DEC 24, 1985

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

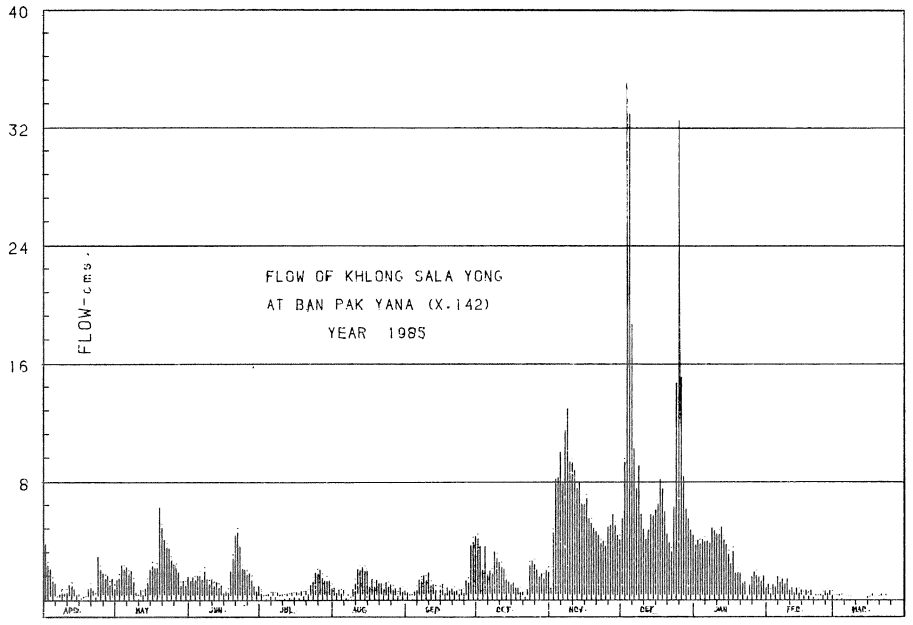
KHLONG SALA YONG AT BAN PAK YANA, PHATTHALUNG (X.142)

LOCATION	LAT. 7-31-13 N., LONG. 100-03-34 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN PAK YANA, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.50 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 100 METERS FROM THE GAGE SITE.
ELEVATION	+15.310 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +14.69 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 2 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	13.85	13.32	13.37	13.11	13.14	13.13	13.95	13.13	14.10	13.88	13.22	12.96	
2	13.62	13.42	13.36	12.97	13.14	12.99	13.82	14.00	14.39	13.89	13.10	12.97	
3	13.50	13.57	13.38	12.98	13.10	12.98	13.55	14.32	14.96	13.90	13.21	12.98	
4	13.36	13.57	13.39	13.00	13.11	13.05	13.82	14.34	14.93	13.90	13.27	12.99	
5	13.25	13.54	13.46	13.05	13.09	13.19	13.45	14.41	14.67	13.92	13.37	12.94	
6	12.93	13.48	13.32	13.05	13.00	13.32	13.47	14.32	14.43	13.88	13.35	12.93	
7	12.99	13.47	13.53	13.04	12.99	13.37	13.50	14.47	14.28	13.91	13.33	12.94	
8	13.12	13.35	13.33	13.04	12.90	13.39	13.75	14.53	14.38	14.01	13.32	12.91	
9	13.01	13.04	13.31	12.97	13.11	13.39	13.73	14.38	14.13	14.03	13.33	12.89	
10	13.13	12.99	13.33	12.99	13.33	13.44	13.61	14.39	14.04	13.95	13.18	12.88	
11	13.21	13.10	13.28	13.00	13.50	13.30	13.61	14.35	13.90	13.99	13.14	12.89	
12	13.27	13.09	13.27	13.01	13.56	13.22	13.50	14.30	14.03	14.02	13.13	12.89	
13	13.11	13.13	13.24	13.02	13.53	13.19	13.39	14.31	14.13	13.93	13.13	12.88	
14	13.08	13.34	13.19	13.03	13.55	12.97	13.27	14.22	14.15	13.84	13.12	12.81	
15	13.00	13.49	13.13	13.04	13.46	13.18	13.32	14.20	14.16	13.77	13.09	12.92	
16	12.86	13.62	13.06	13.04	13.27	13.23	13.25	14.25	14.22	13.59	13.06	12.91	
17	12.92	13.52	13.13	13.01	13.33	13.11	13.25	14.10	14.32	13.81	13.08	13.00	
18	12.94	13.60	13.46	13.06	13.26	13.14	13.13	14.10	14.30	13.43	13.05	12.92	
19	13.12	14.18	13.72	13.06	13.31	13.19	13.15	14.01	14.15	13.51	13.08	12.93	
20	13.25	14.05	13.94	13.07	13.34	13.11	13.04	14.02	13.99	13.43	13.03	12.93	
21	13.08	13.90	14.01	13.10	13.24	13.16	13.04	13.94	13.86	13.33	12.97	12.99	
22	13.03	13.86	13.82	13.20	13.21	13.07	13.10	13.90	13.81	13.27	12.97	12.98	
23	13.69	13.80	13.57	13.36	13.26	13.09	13.62	13.88	14.18	13.05	12.98	12.98	
24	13.56	13.69	13.49	13.44	13.27	13.10	13.63	13.87	14.58	13.20	13.06	12.94	
25	13.43	13.58	13.48	13.50	13.21	13.12	13.65	14.02	14.92	13.44	13.06	12.90	
26	13.41	13.59	13.43	13.49	13.20	13.30	13.49	14.08	14.59	13.45	13.11	12.87	
27	13.39	13.45	13.39	13.42	13.12	13.35	13.45	14.13	14.33	13.47	13.07	12.84	
28	13.30	13.28	13.17	13.30	13.06	13.83	13.42	14.07	14.19	13.36	13.07	12.84	
29	13.34	13.30	13.17	13.38	13.14	13.92	13.42	13.94	14.10	13.37		12.85	
30	13.22	13.30	13.18	13.30	13.16	13.93	13.48	13.94	14.03	13.38		12.85	
31		13.37		13.23	13.07		13.53		13.94	13.23		12.85	
MEAN	13.23	13.48	13.40	13.14	13.22	13.26	13.46	14.13	14.26	13.65	13.14	12.91	
MAX	13.85	14.18	14.01	13.50	13.56	13.93	13.95	14.53	14.96	14.03	13.37	13.00	14.96
MIN	12.86	12.99	13.06	12.97	12.90	12.97	13.04	13.13	13.81	13.05	12.97	12.81	12.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.09 M (MSL), AT 18.00 HOURS, ON DEC 3, 1985
ZERO GAGE AT BOTTOM ELEVATION 11.50 M (MSL), RIVER BED 10.49 M (MSL)
LEFT BANK ELEVATION 14.68 M (MSL)
RIGHT BANK ELEVATION 14.82 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.80	1.38	1.58	0.73	0.82	0.79	4.45	0.79	5.50	3.98	1.06	0.32	
2	2.60	1.78	1.54	0.34	0.82	0.38	3.62	4.80	9.56	4.04	0.70	0.34	
3	2.10	2.38	1.62	0.36	0.70	0.36	2.30	8.19	35.16	4.10	1.03	0.36	
4	1.54	2.38	1.66	0.40	0.73	0.55	3.62	8.58	33.18	4.10	1.21	0.38	
5	1.15	2.26	1.94	0.55	0.67	0.97	1.90	10.00	18.68	4.24	1.58	0.28	
6	0.26	2.02	1.38	0.55	0.40	1.38	1.98	8.19	10.49	3.98	1.50	0.26	
7	0.38	1.98	2.22	0.52	0.38	1.58	2.10	11.47	7.54	4.17	1.42	0.28	
8	0.76	1.50	1.42	0.52	0.20	1.66	3.25	13.22	9.36	4.87	1.38	0.22	
9	0.43	0.52	1.34	0.34	0.73	1.66	3.15	9.36	5.80	5.01	1.42	0.18	
10	0.79	0.38	1.42	0.38	1.42	1.86	2.55	9.56	5.08	4.45	0.94	0.16	
11	1.03	0.70	1.24	0.40	2.10	1.30	2.55	8.78	4.10	4.73	0.82	0.18	
12	1.21	0.67	1.21	0.43	2.34	1.06	2.10	7.80	5.01	4.94	0.79	0.18	
13	0.73	0.79	1.12	0.46	2.22	0.97	1.66	8.00	5.80	4.31	0.79	0.16	
14	0.64	1.46	0.97	0.49	2.30	0.34	1.21	6.76	6.00	3.74	0.76	0.02	
15	0.40	2.06	0.79	0.52	1.94	0.94	1.38	6.50	6.10	3.35	0.67	0.24	
16	0.12	2.60	0.58	0.52	1.21	1.09	1.15	7.15	6.76	2.46	0.58	0.22	
17	0.24	2.18	0.79	0.43	1.42	0.73	1.15	5.50	8.19	3.56	0.64	0.40	
18	0.28	2.50	1.94	0.58	1.18	0.82	0.79	5.50	7.80	1.82	0.55	0.24	
19	0.76	6.30	3.10	0.58	1.34	0.97	0.85	4.87	6.00	2.14	0.64	0.26	
20	1.15	5.15	4.38	0.61	1.46	0.73	0.52	4.94	4.73	1.82	0.49	0.26	
21	0.64	4.10	4.87	0.70	1.12	0.88	0.52	4.38	3.86	1.42	0.34	0.38	
22	0.49	3.86	3.62	1.00	1.03	0.61	0.70	4.10	3.56	1.21	0.34	0.36	
23	2.95	3.50	2.38	1.54	1.18	0.67	2.60	3.98	6.30	0.55	0.36	0.36	
24	2.34	2.95	2.06	1.86	1.21	0.70	2.65	3.92	14.92	1.00	0.58	0.28	
25	1.82	2.42	2.02	2.10	1.03	0.76	2.75	4.94	32.52	1.86	0.58	0.20	
26	1.74	2.46	1.82	2.06	1.00	1.30	2.06	5.36	15.26	1.90	0.73	0.14	
27	1.66	1.90	1.66	1.78	0.76	1.50	1.90	5.80	8.38	1.98	0.61	0.08	
28	1.30	1.24	0.91	1.30	0.58	3.68	1.78	5.29	6.40	1.54	0.61	0.08	
29	1.46	1.30	0.91	1.62	0.82	4.24	1.78	4.38	5.50	1.58		0.10	
30	1.06	1.30	0.94	1.30	0.88	4.31	2.02	4.38	5.01	1.62		0.10	
31		1.58		1.09	0.61		2.22		4.38	1.09		0.10	
TOTAL	35.83	67.60	53.43	26.06	34.60	38.79	63.26	196.49	306.93	91.56	23.12	7.12	944.79 CMSDAY
MEAN	1.19	2.18	1.78	0.84	1.12	1.29	2.04	6.55	9.90	2.95	0.83	0.23	2.59 CMS
MAX	3.80	6.30	4.87	2.10	2.34	4.31	4.45	13.22	35.16	5.01	1.58	0.40	35.16 CMS
MIN	0.12	0.38	0.58	0.34	0.20	0.34	0.52	0.79	3.56	0.55	0.34	0.02	0.02 CMS
RUNOFF	3.096	5.841	4.616	2.252	2.989	3.351	5.466	16.977	26.519	7.911	1.998	0.615	81.630 MCM

MOMENTARY PEAK 44.73 CMS, AT 15.09 M (MSL), AT 18.00 HOURS, ON DEC 3, 1985

RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

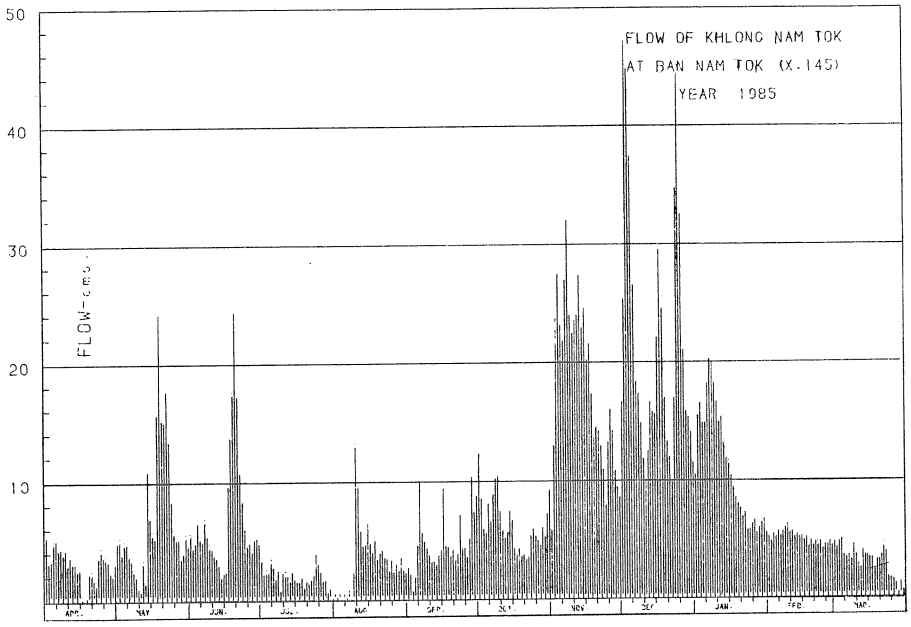
KHLONG NAM TOK AT BAN NAM TOK, PHATTHALUNG (X.145)

LOCATION	LAT. 7-30-34 N., LONG. 100-03-33 N., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE AT BAN NAM TOK, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	238 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+15.078 M.(M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +13.65 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 64 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.30	12.24	12.33	12.11	11.64	12.04	12.87	12.34	13.12	12.75	12.28	12.23	
2	12.09	12.29	12.19	11.93	11.66	11.92	12.58	12.91	13.60	13.05	12.27	12.21	
3	12.07	12.13	12.28	11.98	11.64	11.75	12.38	13.51	14.57	13.13	12.30	12.23	
4	12.27	12.26	12.40	11.94	11.59	11.89	12.32	13.71	14.48	13.01	12.31	12.29	
5	12.27	12.23	12.31	12.09	11.64	12.25	12.57	13.48	14.15	13.03	12.32	12.10	
6	12.22	12.15	12.25	12.00	11.65	12.70	12.41	13.43	13.66	13.21	12.32	12.12	
7	12.19	12.07	12.44	11.92	11.71	12.35	12.63	13.67	13.22	13.34	12.32	12.10	
8	12.18	12.00	12.30	11.97	11.62	12.25	12.71	13.92	13.18	13.31	12.38	12.09	
9	12.18	11.90	12.23	11.76	11.94	12.23	12.75	13.52	13.01	13.23	12.38	12.20	
10	12.07	11.80	12.18	11.94	12.91	12.12	12.49	13.46	12.84	13.12	12.34	12.14	
11	12.11	11.69	12.16	11.96	12.66	12.10	12.37	13.50	12.70	13.03	12.32	12.01	
12	12.09	12.08	12.10	11.91	12.37	12.06	12.28	13.54	12.88	13.04	12.31	12.01	
13	12.04	11.81	12.07	11.90	12.21	12.07	12.36	13.69	13.12	12.92	12.30	12.15	
14	12.01	12.78	11.89	11.95	12.26	12.12	12.49	13.48	13.09	12.82	12.31	12.14	
15	11.98	12.44	11.98	11.92	12.40	12.21	12.45	13.55	13.06	12.81	12.28	12.10	
16	11.63	12.34	11.95	11.83	12.27	12.65	12.18	13.34	13.44	12.72	12.28	12.12	
17	11.58	12.28	12.69	11.89	12.15	12.24	12.16	13.40	13.79	12.67	12.27	12.07	
18	11.66	13.08	12.94	11.89	12.30	12.20	12.18	13.18	13.56	12.58	12.22	11.99	
19	11.94	13.53	13.18	11.81	12.08	12.15	12.15	12.95	13.14	12.56	12.24	12.05	
20	11.97	13.05	13.54	11.84	12.18	12.17	12.12	13.01	12.93	12.50	12.23	12.10	
21	11.86	13.02	13.17	11.87	12.17	12.11	12.12	12.97	12.83	12.46	12.23	12.10	
22	11.85	13.20	12.75	11.86	12.14	12.13	12.10	12.91	12.71	12.47	12.23	12.21	
23	12.10	12.92	12.59	11.96	12.09	12.49	12.33	12.76	13.14	12.36	12.23	12.13	
24	12.20	12.59	12.36	12.14	12.00	12.18	12.35	12.55	14.04	12.34	12.20	11.91	
25	12.11	12.32	12.25	12.08	12.07	12.23	12.33	12.91	14.45	12.41	12.20	11.84	
26	12.13	12.31	12.24	11.95	11.99	12.10	12.25	13.10	13.94	12.41	12.24	11.88	
27	12.06	12.27	12.19	11.90	12.03	12.31	12.25	12.97	13.37	12.34	12.23	11.76	
28	11.99	12.13	12.27	11.85	12.01	12.72	12.36	12.77	13.09	12.35	12.23	11.68	
29	11.91	12.14	12.32	11.74	12.10	12.51	12.32	12.65	13.04	12.42		11.78	
30	12.08	12.32	12.23	11.73	12.01	12.60	12.47	12.61	12.98	12.42		11.73	
31		12.21		11.64	11.94		12.66		12.80	12.34		11.68	
MEAN	12.04	12.37	12.39	11.91	12.05	12.23	12.39	13.19	13.35	12.75	12.28	12.04	
MAX	12.30	13.53	13.54	12.14	12.91	12.72	12.87	13.92	14.57	13.34	12.38	12.29	14.57
MIN	11.58	11.69	11.89	11.64	11.59	11.75	12.10	12.34	12.70	12.34	12.20	11.68	11.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.73 M (MSL), AT 18.00 HOURS, ON DEC 3, 1985
ZERO GAGE AT BOTTOM ELEVATION 11.00 M (MSL), RIVER BED 11.35 M (MSL)
LEFT BANK ELEVATION 13.64 M (MSL)
RIGHT BANK ELEVATION 14.54 M (MSL), DRAINAGE AREA 238 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.40	4.86	5.73	3.69	0.56	3.12	12.62	5.84	16.64	10.80	5.22	4.77	
2	3.52	5.31	4.41	2.24	0.64	2.16	8.56	13.26	25.60	15.50	5.13	4.59	
3	3.36	3.87	5.22	2.64	0.56	1.10	6.28	23.80	47.26	16.81	5.40	4.77	
4	5.13	5.04	6.50	2.32	0.37	1.94	5.62	27.81	45.15	14.86	5.51	5.31	
5	5.13	4.77	5.51	3.52	0.56	4.95	8.44	23.20	37.45	15.18	5.62	3.60	
6	4.68	4.05	4.95	2.80	0.60	10.10	6.61	22.20	26.80	18.18	5.62	3.78	
7	4.41	3.36	6.94	2.16	0.86	5.95	9.19	27.00	18.36	20.52	5.62	3.60	
8	4.32	2.80	5.40	2.56	0.48	4.95	10.24	32.34	17.66	19.98	6.28	3.52	
9	4.32	2.00	4.77	1.16	2.32	4.77	10.80	24.00	14.86	18.54	6.28	4.50	
10	3.36	1.40	4.32	2.32	13.26	3.78	7.49	22.80	12.14	16.64	5.84	3.96	
11	3.69	0.76	4.14	2.48	9.58	3.60	6.17	23.60	10.10	15.18	5.62	2.88	
12	3.52	3.44	3.60	2.08	6.17	3.28	5.22	24.40	12.78	15.34	5.51	2.88	
13	3.12	1.46	3.36	2.00	4.59	3.36	6.06	27.40	16.64	13.42	5.40	4.05	
14	2.88	11.22	1.94	2.40	5.04	3.78	7.49	23.20	16.14	11.82	5.51	3.96	
15	2.64	6.94	2.64	2.16	6.50	4.59	7.05	24.60	15.66	11.66	5.22	3.60	
16	0.52	5.84	2.40	1.58	5.13	9.45	4.32	20.52	22.40	10.38	5.22	3.78	
17	0.35	5.22	9.97	1.94	4.05	4.86	4.14	21.60	29.49	9.71	5.13	3.36	
18	0.64	15.98	13.74	1.94	5.40	4.50	4.32	17.66	24.80	8.56	4.68	2.72	
19	2.32	24.20	17.66	1.46	3.44	4.05	4.05	13.90	16.98	8.32	4.86	3.20	
20	2.56	15.50	24.40	1.64	4.32	4.23	3.78	14.86	13.58	7.60	4.77	3.60	
21	1.76	15.02	17.49	1.82	4.23	3.69	3.78	14.22	11.98	7.16	4.77	3.60	
22	1.70	18.00	10.80	1.76	3.96	3.87	3.60	13.26	10.24	7.27	4.77	4.59	
23	3.60	13.42	8.68	2.48	3.52	7.49	5.73	10.94	16.98	6.06	4.77	3.87	
24	4.50	8.68	6.06	3.96	2.80	4.32	5.95	8.20	34.98	5.84	4.50	2.08	
25	3.69	5.62	4.95	3.44	3.36	4.77	5.73	13.26	44.45	6.61	4.50	1.64	
26	3.87	5.51	4.86	2.40	2.72	3.60	4.95	16.30	32.78	6.61	4.86	1.88	
27	3.28	5.13	4.41	2.00	3.04	5.51	4.95	14.22	21.06	5.84	4.77	1.16	
28	2.72	3.87	5.13	1.70	2.88	10.38	6.06	11.08	16.14	5.95	4.77	0.72	
29	2.08	3.96	5.62	1.04	3.60	7.72	5.62	9.45	15.34	6.72		1.28	
30	3.44	5.62	4.77	0.98	2.88	8.80	7.27	8.93	14.38	6.72		0.98	
31		4.59		0.56	2.32		9.58		11.50	5.84		0.72	
TOTAL	96.51	217.44	210.37	67.23	109.74	148.67	201.67	553.85	670.32	349.62	146.15	98.95	2870.52 CMSDAY
MEAN	3.22	7.01	7.01	2.17	3.54	4.96	6.51	18.46	21.62	11.28	5.22	3.19	7.86 CMS
MAX	5.40	24.20	24.40	3.96	13.26	10.38	12.62	32.34	47.26	20.52	6.28	5.31	47.26 CMS
MIN	0.35	0.76	1.94	0.56	0.37	1.10	3.60	5.84	10.10	5.84	4.50	0.72	0.35 CMS
RUNOFF	8.338	18.787	18.176	5.809	9.482	12.845	17.424	47.853	57.916	30.207	12.627	8.549	248.013 MCM

MOMENTARY PEAK 51.08 CMS, AT 14.73 M (MSL), AT 18.00 HOURS, ON DEC 3, 1985

RUNOFF YIELD 33.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 214.62 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

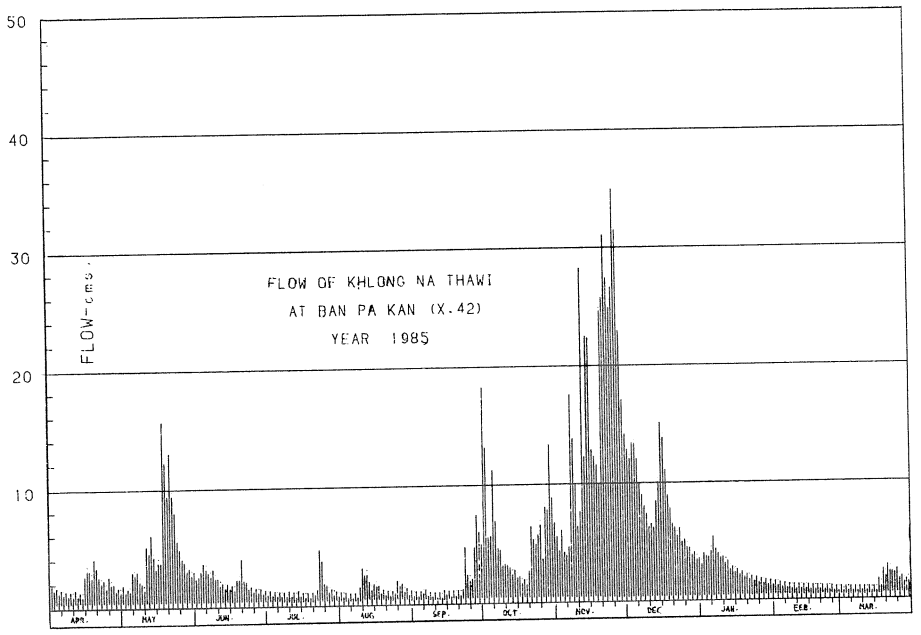
KHLONG NA THAWI AT BAN PA KAN, SONGKHLA (X.42)

LOCATION	LAT. 6-41-13 N., LONG. 100-41-21 E., ON LEFT BANK AT BAN PA KAN, TAMBON THA PRADU, AMPHOE NA THAWI, SONGKHLA.
DRAINAGE AREA	443 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 7 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.013 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	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976-1977
RATED BY FLOAT	-
RATED BY CURRENT METER	1976-1977
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 129 DISCHARGE MEASUREMENTS MADE IN 1977.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.99	0.95	1.17	0.79	0.68	0.67	3.32	1.73	2.71	1.31	0.86	0.64	
2	0.95	0.88	1.12	0.78	0.67	0.66	2.75	1.57	2.65	1.42	0.85	0.63	
3	0.91	0.86	1.30	0.76	0.65	0.65	1.78	1.82	2.78	1.45	0.83	0.63	
4	0.88	0.91	1.36	0.74	0.64	0.66	1.75	1.54	2.81	1.36	0.82	0.64	
5	0.86	1.22	1.34	0.74	0.62	0.77	2.55	1.42	2.61	1.53	0.81	0.63	
6	0.84	1.25	1.20	0.73	0.62	0.74	1.95	1.63	2.38	1.70	0.79	0.63	
7	0.82	1.23	1.22	0.72	0.62	0.67	1.62	3.22	2.23	1.56	0.77	0.62	
8	0.81	1.12	1.26	0.71	0.65	0.63	1.52	2.87	2.15	1.42	0.77	0.62	
9	0.80	0.98	1.17	0.73	0.84	0.62	1.33	2.34	2.02	1.42	0.76	0.62	
10	0.80	0.94	1.08	0.75	1.32	0.61	1.28	1.92	1.90	1.36	0.75	0.64	
11	0.85	1.65	1.03	0.73	1.11	0.59	1.34	2.05	1.89	1.33	0.75	0.63	
12	0.80	1.62	0.98	0.71	1.22	0.60	1.22	4.22	1.90	1.29	0.75	0.63	
13	0.78	1.82	0.97	0.70	0.97	0.56	1.18	2.64	2.16	1.22	0.74	0.63	
14	0.78	1.54	0.97	0.76	0.89	0.69	1.18	3.71	2.40	1.19	0.74	0.62	
15	1.15	1.27	0.96	0.72	0.92	0.72	1.12	3.67	2.97	1.16	0.73	0.61	
16	1.33	1.45	0.93	0.68	0.98	0.66	1.04	2.75	2.87	1.13	0.72	0.60	
17	1.25	1.37	0.92	0.67	0.87	0.63	0.99	2.64	2.49	1.11	0.72	0.88	
18	1.21	3.06	1.05	0.66	0.80	0.67	0.97	2.60	2.26	1.08	0.72	0.82	
19	1.45	2.63	1.15	0.66	0.76	0.67	0.96	2.34	2.08	1.06	0.71	1.11	
20	1.37	2.32	1.43	0.68	0.72	0.68	1.15	3.90	1.94	1.03	0.70	1.05	
21	1.13	2.73	1.12	0.79	0.71	0.68	1.93	3.98	1.84	1.01	0.69	1.20	
22	1.10	2.32	1.01	0.79	0.71	0.73	1.69	4.45	1.78	0.98	0.69	1.16	
23	1.07	2.10	0.95	1.64	0.69	1.66	1.69	4.13	1.83	0.97	0.69	1.05	
24	0.99	1.79	0.90	1.38	0.80	1.09	1.76	3.93	1.69	0.96	0.68	1.13	
25	1.14	1.60	0.87	1.04	0.99	1.07	1.95	4.06	1.66	0.94	0.67	1.10	
26	1.06	1.51	0.85	0.90	0.97	1.00	1.36	4.75	1.60	0.92	0.66	1.00	
27	0.98	1.38	0.85	0.85	0.92	1.64	2.15	4.46	1.52	0.91	0.64	0.94	
28	0.92	1.30	0.84	0.81	0.83	2.03	2.08	3.75	1.47	0.90	0.64	0.90	
29	0.89	1.28	0.82	0.76	0.81	1.87	2.81	3.17	1.44	0.89		0.87	
30	0.88	1.24	0.80	0.72	0.72	1.62	2.21	2.91	1.39	0.88		0.93	
31		1.23		0.71	0.71		1.97		1.34	0.87		0.95	
MEAN	0.99	1.53	1.05	0.80	0.82	0.88	1.70	3.01	2.09	1.17	0.74	0.81	
MAX	1.45	3.06	1.43	1.64	1.32	2.03	3.32	4.75	2.97	1.70	0.86	1.20	4.75
MIN	0.78	0.86	0.80	0.66	0.62	0.56	0.96	1.42	1.34	0.87	0.64	0.60	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.90 M (A.D), AT 6.00 HOURS, ON NOV 26, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 6.99 M (A.D)
RIGHT BANK ELEVATION 5.94 M (A.D), DRAINAGE AREA 443 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.07	1.92	2.78	1.38	1.16	1.14	18.60	5.58	12.88	3.45	1.61	1.08	
2	1.92	1.68	2.58	1.36	1.14	1.12	13.20	4.75	12.40	4.00	1.58	1.06	
3	1.79	1.61	3.40	1.32	1.10	1.10	5.88	6.12	13.44	4.15	1.50	1.06	
4	1.68	1.79	3.70	1.28	1.08	1.12	5.70	4.60	13.68	3.70	1.47	1.08	
5	1.61	3.00	3.60	1.28	1.04	1.34	11.60	4.00	12.08	4.55	1.43	1.06	
6	1.54	3.15	2.90	1.26	1.04	1.28	6.95	5.05	10.24	5.40	1.38	1.06	
7	1.47	3.05	3.00	1.24	1.04	1.14	5.00	17.60	9.04	4.70	1.34	1.04	
8	1.43	2.58	3.20	1.22	1.10	1.06	4.50	14.16	8.40	4.00	1.34	1.04	
9	1.40	2.03	2.78	1.26	1.54	1.04	3.55	9.92	7.44	4.00	1.32	1.04	
10	1.40	1.89	2.42	1.30	3.50	1.02	3.30	6.74	6.60	3.70	1.30	1.08	
11	1.58	5.15	2.22	1.26	2.54	0.98	3.60	7.65	6.54	3.55	1.30	1.06	
12	1.40	5.00	2.03	1.22	3.00	1.00	3.00	28.54	6.60	3.35	1.30	1.06	
13	1.36	6.12	2.00	1.20	2.00	0.92	2.82	12.32	8.48	3.00	1.28	1.06	
14	1.36	4.60	2.00	1.32	1.71	1.18	2.82	22.81	10.40	2.86	1.28	1.04	
15	2.70	3.25	1.96	1.24	1.82	1.24	2.58	22.37	15.10	2.74	1.26	1.02	
16	3.55	4.15	1.85	1.16	2.03	1.12	2.26	13.20	14.16	2.62	1.24	1.00	
17	3.15	3.75	1.82	1.14	1.65	1.06	2.07	12.32	11.12	2.54	1.24	1.68	
18	2.95	16.00	2.30	1.12	1.40	1.14	2.00	12.00	9.28	2.42	1.24	1.47	
19	4.15	12.24	2.70	1.12	1.32	1.14	1.96	9.92	7.86	2.34	1.22	2.54	
20	3.75	9.76	4.05	1.16	1.24	1.16	2.70	24.90	6.88	2.22	1.20	2.30	
21	2.62	13.04	2.58	1.38	1.22	1.16	6.81	25.78	6.24	2.14	1.18	2.90	
22	2.50	9.76	2.14	1.38	1.22	1.26	5.35	31.35	5.88	2.03	1.18	2.74	
23	2.38	8.00	1.92	5.10	1.18	5.20	5.35	27.46	6.18	2.00	1.18	2.30	
24	2.07	5.94	1.75	3.80	1.40	2.46	5.76	25.23	5.35	1.96	1.16	2.62	
25	2.66	4.90	1.65	2.26	2.07	2.38	6.95	26.66	5.20	1.89	1.14	2.50	
26	2.34	4.45	1.58	1.75	2.00	2.10	3.70	35.25	4.90	1.82	1.12	2.10	
27	2.03	3.80	1.58	1.58	1.82	5.10	8.40	31.48	4.50	1.79	1.08	1.89	
28	1.82	3.40	1.54	1.43	1.50	7.51	7.86	23.25	4.25	1.75	1.08	1.75	
29	1.71	3.30	1.47	1.32	1.43	6.42	13.68	17.10	4.10	1.71		1.65	
30	1.68	3.10	1.40	1.24	1.24	5.00	8.88	14.50	3.85	1.68		1.85	
31		3.05		1.22	1.22		7.09		3.60	1.65		1.92	
TOTAL	64.07	155.46	70.90	47.30	48.75	60.89	183.92	502.61	256.67	89.71	35.95	49.05	1565.28 CMSDAY
MEAN	2.14	5.01	2.36	1.53	1.57	2.03	5.93	16.75	8.28	2.89	1.28	1.58	4.29 CMS
MAX	4.15	16.00	4.05	5.10	3.50	7.51	18.60	35.25	15.10	5.40	1.61	2.90	35.25 CMS
MIN	1.36	1.61	1.40	1.12	1.04	0.92	1.96	4.00	3.60	1.65	1.08	1.00	0.92 CMS
RUNOFF	5.536	13.432	6.126	4.087	4.212	5.261	15.891	43.426	22.176	7.751	3.106	4.238	135.240 MCM

MOMENTARY PEAK 37.20 CMS, AT 4.90 M (A.D), AT 6.00 HOURS, ON NOV 26, 1985

RUNOFF YIELD 9.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 83.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

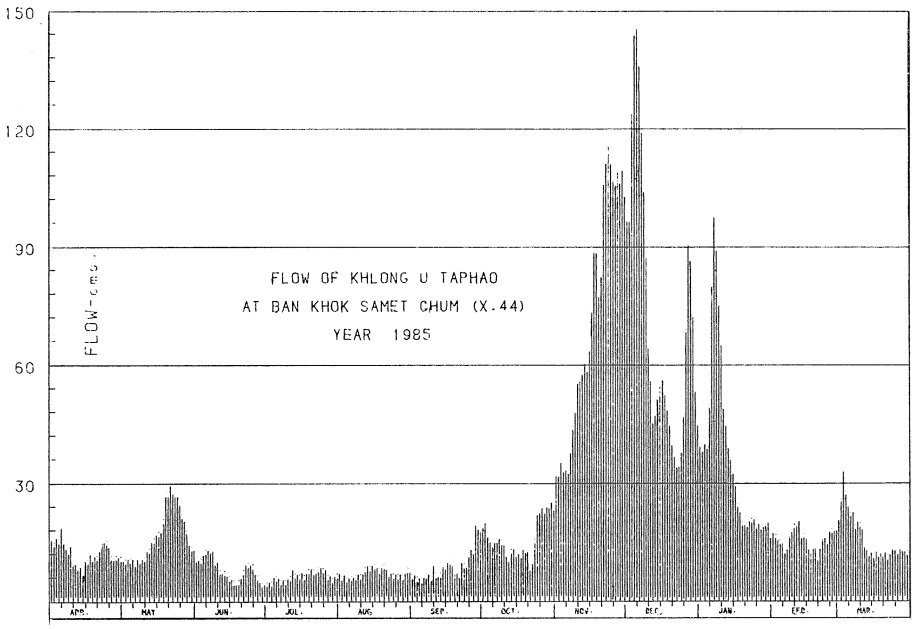
KHLONG U TAPHAO AT BAN KHOK SAMET CHUM, SONGKHLA (X.44)

LOCATION	LAT. 7-00-02 N., LONG. 100-27-32 E., ON LEFT BANK AT THE BRIDGE OF HAT YAI-RATTAPHUM HIGHWAY, BAN KHOK SAMET CHUM, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,740 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 200 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.920 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	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.14	0.93	0.97	0.69	0.80	0.79	1.29	1.68	3.30	1.92	1.20	1.31	
2	1.12	0.95	0.94	0.68	0.78	0.78	1.29	1.71	3.32	1.86	1.19	1.50	
3	1.16	0.95	0.96	0.70	0.78	0.76	1.21	1.78	3.90	1.94	1.14	1.71	
4	1.15	0.96	0.99	0.75	0.75	0.74	1.12	1.74	4.34	1.88	1.14	1.56	
5	1.25	0.95	1.05	0.77	0.74	0.74	1.12	1.72	4.36	2.19	1.10	1.43	
6	1.15	0.93	1.04	0.74	0.77	0.75	1.11	1.73	4.18	2.92	1.04	1.38	
7	1.05	0.95	1.06	0.72	0.75	0.80	1.16	1.85	3.80	3.34	1.04	1.38	
8	1.05	0.96	1.03	0.72	0.78	0.79	1.15	2.04	3.49	3.13	1.19	1.27	
9	1.08	0.95	0.93	0.72	0.79	0.77	1.14	2.13	3.09	2.83	1.21	1.30	
10	0.93	0.98	0.92	0.73	0.79	0.88	1.09	2.35	2.57	2.57	1.28	1.29	
11	0.90	1.03	0.84	0.77	0.79	0.80	1.02	2.34	2.34	2.18	1.26	1.23	
12	0.89	1.06	0.80	0.84	0.87	0.76	0.92	2.41	2.08	2.04	1.34	1.10	
13	0.87	1.12	0.83	0.80	0.88	0.81	1.05	2.45	2.11	1.91	1.15	1.03	
14	0.83	1.16	0.77	0.79	0.88	0.87	1.05	2.43	2.24	1.80	1.20	1.02	
15	0.93	1.19	0.77	0.79	0.88	0.90	1.02	2.53	2.31	1.72	1.15	1.01	
16	0.95	1.22	0.73	0.81	0.90	0.91	1.00	2.79	2.37	1.60	1.08	1.00	
17	1.00	1.21	0.72	0.78	0.86	0.95	1.01	3.12	2.25	1.46	1.00	1.02	
18	0.98	1.33	0.65	0.80	0.85	0.88	1.04	3.14	2.17	1.38	1.09	1.01	
19	0.98	1.52	0.72	0.85	0.86	0.84	1.06	2.86	2.04	1.30	1.05	1.00	
20	0.99	1.56	0.74	0.85	0.90	0.80	1.02	3.00	1.93	1.27	0.97	1.01	
21	1.03	1.61	0.84	0.84	0.84	0.81	0.88	3.51	1.82	1.29	1.05	1.01	
22	1.11	1.58	0.89	0.80	0.82	0.91	0.90	3.65	1.77	1.30	1.16	0.98	
23	1.12	1.52	0.91	0.87	0.80	0.91	1.15	3.73	1.75	1.33	1.15	0.99	
24	1.14	1.56	0.89	0.86	0.80	0.86	1.36	3.65	1.88	1.32	1.14	1.08	
25	1.07	1.45	0.90	0.86	0.79	1.02	1.42	3.53	2.10	1.27	1.21	1.03	
26	0.99	1.37	0.79	0.84	0.79	1.04	1.42	3.53	2.67	1.28	1.24	1.04	
27	0.94	1.31	0.78	0.78	0.79	1.05	1.42	3.58	3.16	1.27	1.22	1.04	
28	0.99	1.23	0.68	0.77	0.78	1.27	1.43	3.54	3.09	1.25	1.26	1.07	
29	0.97	1.09	0.68	0.74	0.80	1.28	1.46	3.59	2.74	1.30		1.02	
30	0.98	1.08	0.65	0.76	0.86	1.21	1.47	3.46	2.29	1.29		1.03	
31		1.04		0.80	0.81		1.44		2.04	1.19		1.02	
MEAN	1.02	1.19	0.85	0.78	0.82	0.89	1.17	2.72	2.69	1.78	1.15	1.16	
MAX	1.25	1.61	1.06	0.87	0.90	1.28	1.47	3.73	4.36	3.34	1.34	1.71	4.36
MIN	0.83	0.93	0.65	0.68	0.74	0.74	0.88	1.68	1.75	1.19	0.97	0.98	0.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.43 M (A.D), AT 18.00 HOURS, ON DEC 4, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -2.44 M (A.D)
LEFT BANK ELEVATION 7.62 M (A.D)
RIGHT BANK ELEVATION 7.99 M (A.D), DRAINAGE AREA 1740 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	15.58	10.25	11.25	4.93	7.10	6.90	19.84	31.84	96.50	40.04	17.20	20.43	
2	15.04	10.75	10.50	4.76	6.70	6.70	19.84	32.83	97.38	37.90	16.93	26.00	
3	16.12	10.75	11.00	5.10	6.70	6.30	17.49	35.14	123.70	40.78	15.58	32.83	
4	15.85	11.00	11.75	6.10	6.10	5.90	15.04	33.82	144.52	38.60	15.58	27.92	
5	18.67	10.75	13.25	6.50	5.90	5.90	15.04	33.16	145.48	50.03	14.50	23.95	
6	15.85	10.25	13.00	5.90	6.50	6.10	14.77	33.49	136.86	79.86	13.00	22.48	
7	13.25	10.75	13.50	5.50	6.10	7.10	16.12	37.55	119.00	98.26	13.00	22.48	
8	13.25	11.00	12.75	5.50	6.70	6.90	15.85	44.48	104.86	89.02	16.93	19.25	
9	14.00	10.75	10.25	5.50	6.90	6.50	15.58	47.81	87.26	75.99	17.49	20.13	
10	10.25	11.50	10.00	5.70	6.90	9.02	14.25	56.20	65.00	65.00	19.55	19.84	
11	9.50	12.75	8.06	6.50	6.90	7.10	12.50	55.80	55.80	49.66	18.96	18.08	
12	9.26	13.50	7.10	8.06	8.78	6.30	10.00	58.60	45.96	44.48	21.31	14.50	
13	8.78	15.04	7.82	7.10	9.02	7.34	13.25	60.20	47.07	39.67	15.85	12.75	
14	7.82	16.12	6.50	6.90	9.02	8.78	13.25	59.40	51.92	35.80	17.20	12.50	
15	10.25	16.93	6.50	6.90	9.02	9.50	12.50	63.40	54.60	33.16	15.85	12.25	
16	10.75	17.79	5.70	7.34	9.50	9.75	12.00	74.27	57.00	29.20	14.00	12.00	
17	12.00	17.49	5.50	6.70	8.54	10.75	12.25	88.58	52.30	24.83	12.00	12.50	
18	11.50	21.01	4.25	7.10	8.30	9.02	13.00	89.46	49.29	22.48	14.25	12.25	
19	11.50	26.64	5.50	8.30	8.54	8.06	13.50	77.28	44.48	20.13	13.25	12.00	
20	11.75	27.92	5.90	8.30	9.50	7.10	12.50	83.30	40.41	19.25	11.25	12.25	
21	12.75	29.53	8.06	8.06	8.06	7.34	9.02	105.75	36.50	19.84	13.25	12.25	
22	14.77	28.56	9.26	7.10	7.58	9.75	9.50	112.05	34.81	20.13	16.12	11.50	
23	15.04	26.64	9.75	8.78	7.10	9.75	15.85	115.71	34.15	21.01	15.85	11.75	
24	15.58	27.92	9.26	8.54	7.10	8.54	21.89	112.05	38.60	20.72	15.58	14.00	
25	13.75	24.53	9.50	8.54	6.90	12.50	23.65	106.65	46.70	19.25	17.49	12.75	
26	11.75	22.19	6.90	8.06	6.90	13.00	23.65	106.65	69.14	19.55	18.37	13.00	
27	10.50	20.43	6.70	6.70	6.90	13.25	23.65	108.90	90.34	19.25	17.79	13.00	
28	11.75	18.08	4.76	6.50	6.70	19.25	23.95	107.10	87.26	18.67	18.96	13.75	
29	11.25	14.25	4.76	5.90	7.10	19.55	24.83	109.35	72.12	20.13		12.50	
30	11.50	14.00	4.25	6.30	8.54	17.49	25.12	103.54	53.82	19.84		12.75	
31		13.00		7.10	7.34		24.24		44.48	16.93		12.50	
TOTAL	379.61	532.07	253.28	210.27	232.94	281.44	513.92	2184.36	2227.31	1149.46	447.09	506.14	8917.89 CMSDAY
MEAN	12.65	17.16	8.44	6.78	7.51	9.38	16.58	72.81	71.85	37.08	15.97	16.33	24.43 CMS
MAX	18.67	29.53	13.50	8.78	9.50	19.55	25.12	115.71	145.48	98.26	21.31	32.83	145.48 CMS
MIN	7.82	10.25	4.25	4.76	5.90	5.90	9.02	31.84	34.15	16.93	11.25	11.50	4.25 CMS
RUNOFF	32.798	45.971	21.883	18.167	20.126	24.316	44.403	188.729	192.440	99.313	38.629	43.730	770.506 MCM

MOMENTARY PEAK 148.84 CMS, AT 4.43 M (A.D), AT 18.00 HOURS, ON DEC 4, 1985

RUNOFF YIELD 14.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 85.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

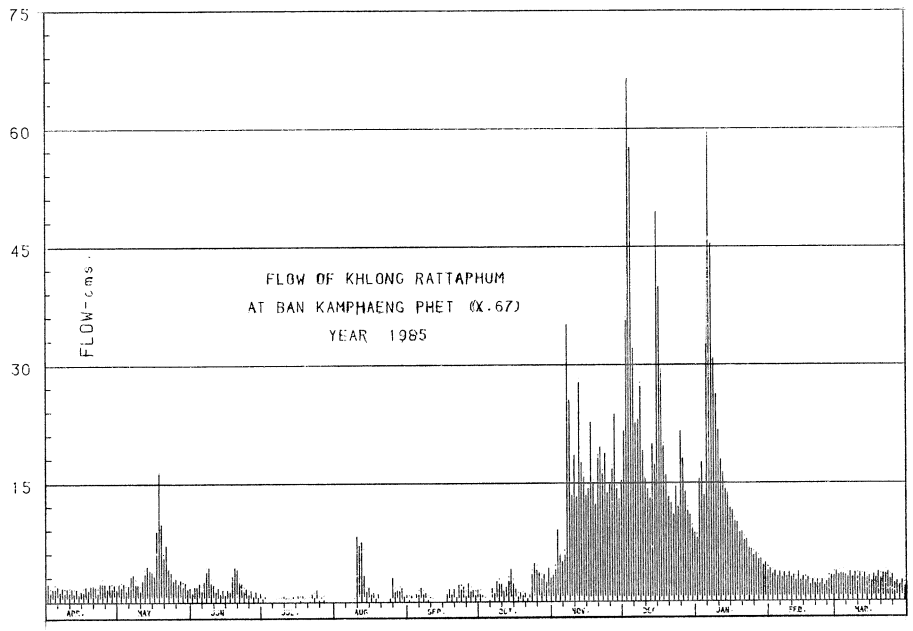
KHLONG RATTAPHUM AT BAN KAMPHAENG PHET, SONGKHLA (X.67)

LOCATION	LAT. 7-08-35 N., LONG. 100-17-20 E., ON RIGHT BANK ABOUT 3 METERS UPSTREAM FROM THE BRIDGE OF PHATTHALUNG-SONGKHLA HIGHWAY, AMPHOE RATTAPHUM, SONGKHLA.
DRAINAGE AREA	272 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+16.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK UNDER THE SANTOL TREE.
ELEVATION	+20.413 M.(M.S.L.)
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	1967-1970, 1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1970, 1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY RATTAPHUM WEIR FOR IRRIGATION ABOUT 10,688 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 52 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	17.02	17.06	16.96	16.86	16.79	16.84	16.94	17.14	18.37	17.55	17.21	17.18	
2	16.95	17.04	16.98	16.82	16.78	16.83	16.84	17.25	19.20	18.00	17.20	17.19	
3	16.94	17.03	17.05	16.79	16.77	16.81	16.81	17.59	20.63	18.16	17.18	17.15	
4	17.01	16.99	17.03	16.77	16.77	16.86	16.79	17.39	20.25	17.87	17.17	17.20	
5	16.98	17.00	16.99	16.78	16.77	16.93	16.83	17.29	18.99	19.04	17.17	17.13	
6	16.97	17.18	17.06	16.80	16.78	16.96	16.95	17.40	18.46	20.32	17.16	17.16	
7	16.96	17.15	17.23	16.80	16.76	16.93	16.95	19.15	18.46	19.69	17.16	17.17	
8	16.95	17.08	17.23	16.80	16.76	16.87	17.06	18.64	18.74	18.92	17.17	17.16	
9	16.95	17.01	17.10	16.81	16.80	16.84	17.09	17.87	18.22	18.68	17.17	17.16	
10	16.96	16.99	17.01	16.83	17.57	16.81	17.02	18.22	18.03	18.38	17.16	17.16	
11	16.95	17.07	16.98	16.80	17.45	16.79	16.98	17.86	17.92	18.18	17.13	17.16	
12	16.94	17.21	16.96	16.80	17.53	16.78	16.97	18.77	17.88	18.05	17.12	17.15	
13	16.94	17.24	16.94	16.77	17.14	16.78	17.12	18.13	18.27	17.95	17.17	17.15	
14	16.93	17.25	16.93	16.82	16.98	16.78	17.21	18.05	18.14	17.89	17.12	17.15	
15	16.90	17.18	16.93	16.80	16.97	16.79	17.09	17.87	19.86	17.80	17.11	17.12	
16	16.96	17.19	16.93	16.83	16.94	16.79	16.94	17.96	19.42	17.75	17.11	17.11	
17	16.98	17.58	16.98	16.83	16.88	16.93	16.89	18.44	18.84	17.69	17.10	17.14	
18	17.00	18.08	17.13	16.83	16.86	16.94	16.88	17.99	18.28	17.65	17.07	17.16	
19	16.99	17.64	17.28	16.80	16.86	16.93	16.90	17.80	18.03	17.60	17.07	17.17	
20	17.06	17.37	17.21	16.80	16.78	16.94	16.87	18.19	17.89	17.57	17.08	17.15	
21	16.97	17.45	17.11	16.82	16.77	16.89	16.86	18.25	17.81	17.53	17.07	17.15	
22	16.95	17.26	17.03	16.86	16.78	17.01	16.84	18.07	17.75	17.50	17.07	17.20	
23	17.03	17.17	16.98	16.89	16.78	17.01	17.20	18.20	17.94	17.46	17.07	17.17	
24	17.09	17.13	16.95	16.93	16.86	16.98	17.27	17.92	17.81	17.41	17.05	17.14	
25	17.02	17.10	16.94	16.84	17.11	16.91	17.25	17.96	18.37	17.39	17.04	17.13	
26	17.02	17.09	16.92	16.81	16.97	17.03	17.17	18.11	18.19	17.37	17.13	17.08	
27	17.02	17.08	16.90	16.84	16.92	16.98	17.15	18.50	17.90	17.35	17.13	17.05	
28	17.02	17.05	16.90	16.79	16.99	16.92	17.15	17.95	17.78	17.31	17.18	17.06	
29	17.01	17.04	16.89	16.77	16.96	16.92	17.11	17.84	17.71	17.29		17.06	
30	17.01	17.02	16.88	16.77	16.90	16.93	17.22	18.02	17.63	17.27		17.03	
31		16.96		16.80	16.85		17.16		17.56	17.23		17.02	
MEAN	16.98	17.18	17.01	16.81	16.93	16.89	17.02	17.99	18.40	17.93	17.13	17.14	
MAX	17.09	18.08	17.28	16.93	17.57	17.03	17.27	19.15	20.63	20.32	17.21	17.20	20.63
MIN	16.90	16.96	16.88	16.77	16.76	16.78	16.79	17.14	17.56	17.23	17.04	17.02	16.76

ANNUAL MAX MOMENTARY GAGE HEIGHT 20.65 M (MSL), AT 15.00 HOURS, ON NOV 7, 1985
ZERO GAGE AT BOTTOM ELEVATION 16.00 M (MSL), RIVER BED 16.43 M (MSL)
LEFT BANK ELEVATION 21.37 M (MSL)
RIGHT BANK ELEVATION 20.68 M (MSL), DRAINAGE AREA 272 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.28	2.64	1.78	1.00	0.50	0.85	1.62	3.42	21.61	8.55	4.17	3.84	
2	1.70	2.46	1.94	0.70	0.44	0.78	0.85	4.65	36.10	15.55	4.05	3.94	
3	1.62	2.37	2.55	0.50	0.39	0.63	0.63	9.11	66.46	18.14	3.84	3.52	
4	2.19	2.02	2.37	0.39	0.39	1.00	0.50	6.37	58.05	13.47	3.73	4.05	
5	1.94	2.10	2.02	0.44	0.39	1.54	0.78	5.13	32.12	33.06	3.73	3.31	
6	1.86	3.84	2.64	0.55	0.44	1.78	1.70	6.50	23.09	59.59	3.63	3.63	
7	1.78	3.52	4.41	0.55	0.33	1.54	1.70	35.15	23.09	45.84	3.63	3.73	
8	1.70	2.82	4.41	0.55	0.33	1.08	2.64	26.08	27.78	30.86	3.73	3.63	
9	1.70	2.19	3.00	0.63	0.55	0.85	2.91	13.47	19.13	26.76	3.73	3.63	
10	1.78	2.02	2.19	0.78	8.83	0.63	2.28	19.13	16.03	21.77	3.63	3.63	
11	1.70	2.73	1.94	0.55	7.18	0.50	1.94	13.31	14.27	18.47	3.31	3.63	
12	1.62	4.17	1.78	0.55	8.27	0.44	1.86	28.29	13.63	16.35	3.21	3.52	
13	1.62	4.53	1.62	0.39	3.42	0.44	3.21	17.65	19.96	14.75	3.73	3.52	
14	1.54	4.65	1.54	0.70	1.94	0.44	4.17	16.35	17.81	13.79	3.21	3.52	
15	1.30	3.84	1.54	0.55	1.86	0.50	2.91	13.47	49.49	12.35	3.11	3.21	
16	1.78	3.94	1.54	0.78	1.62	0.50	1.62	14.91	40.40	11.58	3.11	3.11	
17	1.94	8.97	1.94	0.78	1.15	1.54	1.22	22.76	29.48	10.65	3.00	3.42	
18	2.10	16.83	3.31	0.78	1.00	1.62	1.15	15.39	20.12	10.02	2.73	3.63	
19	2.02	9.87	5.01	0.55	1.00	1.54	1.30	12.35	16.03	9.25	2.73	3.73	
20	2.64	6.13	4.17	0.55	0.44	1.62	1.08	18.64	13.79	8.83	2.82	3.52	
21	1.86	7.18	3.11	0.70	0.39	1.22	1.00	19.62	12.51	8.27	2.73	3.52	
22	1.70	4.77	2.37	1.00	0.44	2.19	0.85	16.67	11.58	7.85	2.73	4.05	
23	2.37	3.73	1.94	1.22	0.44	2.19	4.05	18.80	14.59	7.31	2.73	3.73	
24	2.91	3.31	1.70	1.54	1.00	1.94	4.89	14.27	12.51	6.64	2.55	3.42	
25	2.28	3.00	1.62	0.85	3.11	1.38	4.65	14.91	21.61	6.37	2.46	3.31	
26	2.28	2.91	1.46	0.63	1.86	2.37	3.73	17.32	18.64	6.13	3.31	2.82	
27	2.28	2.82	1.30	0.85	1.46	1.94	3.52	23.75	13.95	5.88	3.31	2.55	
28	2.28	2.55	1.30	0.50	2.02	1.46	3.52	14.75	12.04	5.38	3.84	2.64	
29	2.19	2.46	1.22	0.39	1.78	1.46	3.11	12.99	10.96	5.13		2.64	
30	2.19	2.28	1.15	0.39	1.30	1.54	4.29	15.87	9.71	4.89		2.37	
31		1.78		0.55	0.93		3.63		8.69	4.41		2.28	
TOTAL	59.15	128.43	68.87	20.89	55.20	37.51	73.31	471.08	705.23	467.89	92.49	105.05	2285.10 CMSDAY
MEAN	1.97	4.14	2.30	0.67	1.78	1.25	2.36	15.70	22.75	15.09	3.30	3.39	6.26 CMS
MAX	2.91	16.83	5.01	1.54	8.83	2.37	4.89	35.15	66.46	59.59	4.17	4.05	66.46 CMS
MIN	1.30	1.78	1.15	0.39	0.33	0.44	0.50	3.42	8.69	4.41	2.46	2.28	0.33 CMS
RUNOFF	5.111	11.096	5.950	1.805	4.769	3.241	6.334	40.701	60.932	40.426	7.991	9.076	197.433 MCM

MOMENTARY PEAK 66.92 CMS, AT 20.65 M (MSL), AT 15.00 HOURS, ON NOV 7, 1985

RUNOFF YIELD 23.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 246.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

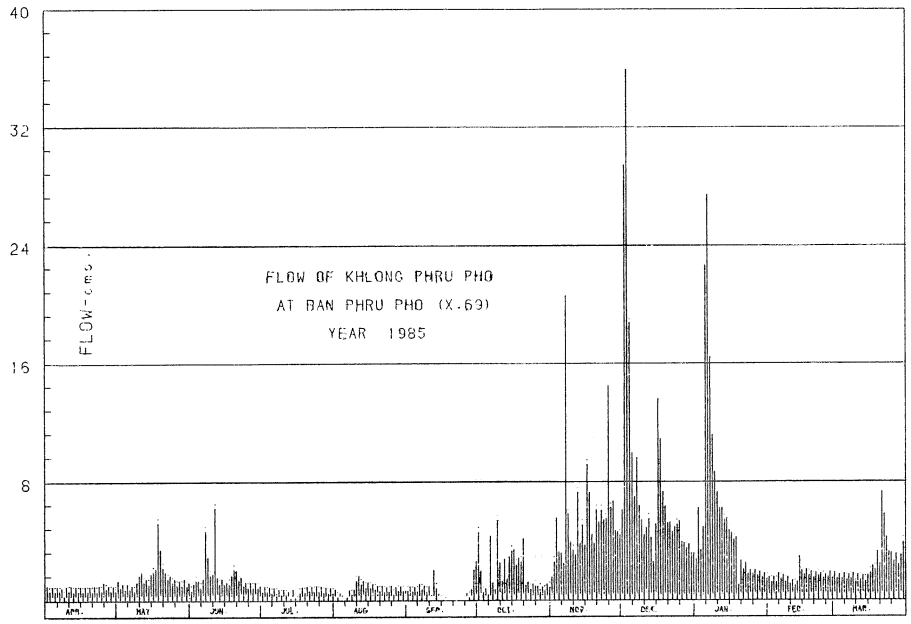
KHLONG PHRU PHO AT BAN PHRU PHO, SONGKHLA (X.69)

LOCATION	LAT. 7-11-25 N., LONG. 100-13-26 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN PHRU PHO, AMPHOE RATTAPHUM, SONGKHLA.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+24.92 M. (M.S.L..)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER' HOUSE.
ELEVATION	+28.248 M.(M.S.L.)
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, 1980, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1980, 1983 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	25.90	25.93	25.90	25.89	25.85	25.90	25.74	25.95	26.30	25.54	25.95	25.38	
2	25.89	25.92	25.91	25.89	25.82	25.89	25.40	26.06	27.55	25.87	25.95	25.37	
3	25.89	25.91	25.96	25.89	25.80	25.89	25.22	26.26	27.82	25.61	25.95	25.36	
4	25.89	25.91	25.93	25.88	25.77	25.88	25.20	26.11	27.03	25.74	25.95	25.37	
5	25.89	25.91	25.92	25.87	25.75	25.89	25.19	26.08	26.55	27.07	25.97	25.37	
6	25.89	25.91	25.94	25.87	25.81	25.91	25.68	26.05	26.38	27.33	25.97	25.36	
7	25.86	25.90	26.22	25.87	25.84	25.91	25.33	27.10	26.53	26.69	25.96	25.36	
8	25.83	25.90	26.06	25.85	25.85	25.90	25.18	26.30	26.34	26.29	25.95	25.37	
9	25.89	25.92	25.99	25.85	25.85	25.89	25.82	26.14	26.25	26.12	25.95	25.37	
10	25.90	25.99	25.97	25.85	25.96	25.89	25.47	26.12	26.20	25.97	25.94	25.36	
11	25.90	25.98	26.33	25.85	25.96	25.77	25.35	26.07	26.21	25.90	25.93	25.36	
12	25.89	25.95	25.95	25.82	25.94	25.41	25.50	26.40	26.28	25.87	25.93	25.36	
13	25.89	25.94	25.94	25.80	25.93	25.27	25.37	26.13	26.16	25.82	25.92	25.35	
14	25.89	25.94	25.94	25.85	25.92	25.13	25.52	26.25	26.06	25.80	25.56	25.34	
15	25.89	25.97	25.94	25.80	25.92	25.10	25.61	26.12	26.23	25.75	25.40	25.35	
16	25.89	26.01	25.92	25.77	25.92	25.09	25.58	26.52	26.77	25.70	25.41	25.42	
17	25.89	26.00	25.94	25.87	25.91	25.06	25.49	26.38	26.27	25.69	25.41	25.44	
18	25.89	26.26	25.96	25.88	25.91	25.05	25.51	26.20	26.00	25.67	25.40	25.45	
19	25.89	26.10	26.02	25.88	25.90	25.04	25.52	26.13	25.88	25.93	25.39	25.56	
20	25.89	26.03	25.99	25.89	25.90	25.04	25.66	26.32	25.80	26.04	25.38	25.50	
21	25.90	25.98	25.96	25.90	25.90	25.04	25.93	26.24	25.77	26.02	25.38	25.97	
22	25.89	25.97	25.95	25.89	25.89	25.04	25.92	26.32	25.74	26.03	25.40	25.86	
23	25.90	25.96	25.93	25.89	25.88	25.05	25.91	26.25	25.74	26.00	25.37	25.67	
24	25.90	25.95	25.92	25.90	25.89	25.07	25.91	26.28	25.79	25.99	25.38	25.60	
25	25.92	25.94	25.92	25.89	25.90	25.08	25.93	26.80	25.78	26.00	25.36	25.55	
26	25.91	25.93	25.92	25.89	25.85	25.13	25.89	26.33	25.67	25.99	25.39	25.52	
27	25.90	25.93	25.92	25.88	25.88	25.15	25.91	26.34	25.63	25.99	25.39	25.54	
28	25.90	25.93	25.92	25.88	25.90	25.19	25.88	26.22	25.63	25.98	25.38	25.49	
29	25.89	25.94	25.92	25.87	25.89	25.45	25.90	26.19	25.62	25.98		25.53	
30	25.90	25.93	25.90	25.87	25.90	25.48	25.91	26.20	25.59	25.97		25.67	
31		25.92		25.87	25.83		25.92		25.55	25.97		25.46	
MEAN	25.89	25.96	25.97	25.87	25.88	25.42	25.62	26.26	26.17	26.01	25.65	25.47	
MAX	25.92	26.26	26.33	25.90	25.96	25.91	25.93	27.10	27.82	27.33	25.97	25.97	27.82
MIN	25.83	25.90	25.90	25.77	25.75	25.04	25.18	25.95	25.55	25.54	25.36	25.34	25.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 28.19 M (MSL), AT 18.00 HOURS, ON DEC 2, 1985
ZERO GAGE AT BOTTOM ELEVATION 24.92 M (MSL), RIVER BED 24.93 M (MSL)
LEFT BANK ELEVATION 30.48 M (MSL)
RIGHT BANK ELEVATION 30.47 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.00	1.35	1.00	0.95	0.75	1.00	4.95	1.57	6.10	3.12	1.57	1.87	
2	0.95	1.23	1.12	0.95	0.60	0.95	2.00	2.93	29.70	6.25	1.57	1.81	
3	0.95	1.12	1.69	0.95	0.50	0.95	0.91	5.56	35.92	3.70	1.57	1.74	
4	0.95	1.12	1.35	0.90	0.35	0.90	0.80	3.58	19.00	4.95	1.57	1.81	
5	0.95	1.12	1.23	0.85	0.25	0.95	0.75	3.19	9.97	22.89	1.80	1.81	
6	0.95	1.12	1.46	0.85	0.55	1.12	4.36	2.80	7.30	27.44	1.80	1.74	
7	0.86	1.00	5.02	0.85	0.70	1.12	1.54	20.60	9.64	16.70	1.69	1.74	
8	0.65	1.00	2.93	0.75	0.75	1.00	0.71	6.10	6.70	11.17	1.57	1.81	
9	0.95	1.23	2.03	0.75	0.75	0.95	5.75	3.97	5.42	9.00	1.57	1.81	
10	1.00	2.03	1.80	0.75	1.69	0.95	2.56	3.71	4.75	7.32	1.46	1.74	
11	1.00	1.92	6.55	0.75	1.69	0.35	1.67	3.06	4.88	6.55	1.34	1.74	
12	0.95	1.58	1.58	0.60	1.46	2.08	2.80	7.60	5.83	6.25	1.34	1.74	
13	0.95	1.46	1.46	0.50	1.35	1.18	1.80	3.84	4.23	5.75	1.23	1.68	
14	0.95	1.46	1.46	0.75	1.23	0.48	2.96	5.42	2.93	5.55	3.28	1.61	
15	0.95	1.80	1.46	0.50	1.23	0.35	3.69	3.71	5.15	5.05	2.00	1.68	
16	0.95	2.28	1.23	0.35	1.23	0.31	3.44	9.48	13.93	4.55	2.08	2.16	
17	0.95	2.15	1.46	0.85	1.12	0.21	2.72	7.30	10.91	4.45	2.08	2.32	
18	0.95	5.56	1.69	0.90	1.12	0.17	2.88	4.75	7.65	4.26	2.00	2.40	
19	0.95	3.45	2.41	0.90	1.00	0.14	2.96	3.84	6.35	1.34	1.93	3.28	
20	0.95	2.54	2.03	0.95	1.00	0.14	4.17	6.40	5.55	2.67	1.87	2.80	
21	1.00	1.92	1.69	1.00	1.00	0.14	1.34	5.29	5.25	2.41	1.87	7.32	
22	0.95	1.80	1.58	0.95	0.95	0.14	1.23	6.40	4.95	2.54	2.00	6.15	
23	1.00	1.69	1.35	0.95	0.90	0.17	1.11	5.42	4.95	2.15	1.81	4.26	
24	1.00	1.58	1.23	1.00	0.95	0.24	1.11	5.83	5.45	2.03	1.87	3.60	
25	1.23	1.46	1.23	0.95	1.00	0.28	1.34	14.50	5.35	2.15	1.74	3.20	
26	1.12	1.35	1.23	0.95	0.75	0.48	0.95	6.55	4.26	2.03	1.93	2.96	
27	1.00	1.35	1.23	0.90	0.90	0.57	1.11	6.70	3.88	2.03	1.93	3.12	
28	1.00	1.35	1.23	0.90	1.00	0.75	0.90	5.02	3.88	1.92	1.87	2.72	
29	0.95	1.46	1.23	0.85	0.95	2.40	1.00	4.62	3.79	1.92		3.04	
30	1.00	1.35	1.00	0.85	1.00	2.64	1.11	4.75	3.52	1.80		4.26	
31		1.23		0.85	0.65		1.23		3.20	1.80		2.48	
TOTAL	29.01	53.06	53.96	25.75	29.37	23.11	65.85	174.49	250.39	181.74	50.34	82.40	1019.47 CMSDAY
MEAN	0.97	1.71	1.80	0.83	0.95	0.77	2.12	5.82	8.08	5.86	1.80	2.66	2.79 CMS
MAX	1.23	5.56	6.55	1.00	1.69	2.64	5.75	20.60	35.92	27.44	3.28	7.32	35.92 CMS
MIN	0.65	1.00	1.00	0.35	0.25	0.14	0.71	1.57	2.93	1.34	1.23	1.61	0.14 CMS
RUNOFF	2.506	4.584	4.662	2.225	2.538	1.997	5.689	15.076	21.634	15.702	4.349	7.119	88.082 MCM

MOMENTARY PEAK 42.75 CMS, AT 28.19 M (MSL), AT 18.00 HOURS, ON DEC 2, 1985

RUNOFF YIELD 31.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3.762 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

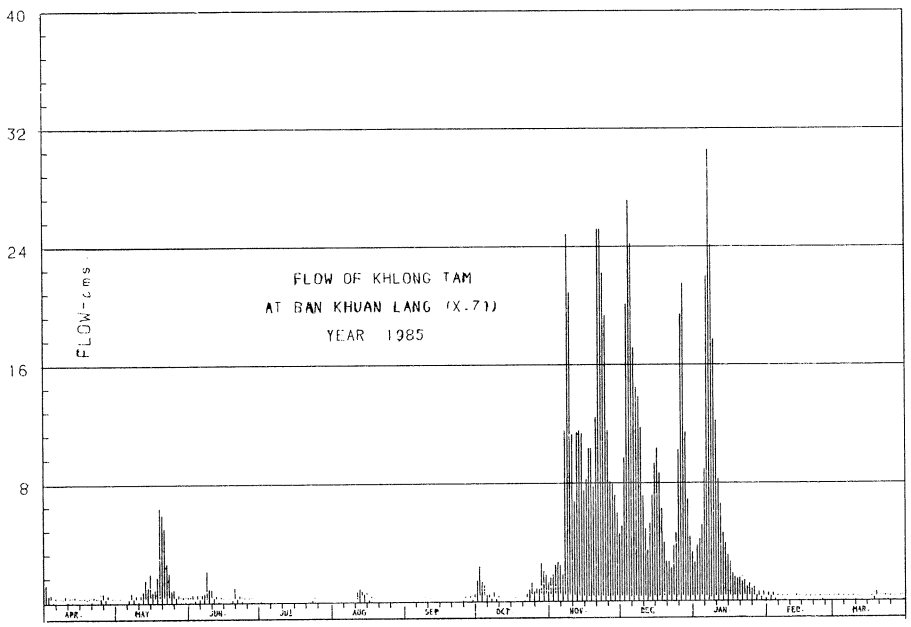
KHLONG TAM AT KHUAN LANG(3), SONGKHLA (X.71)

LOCATION	LAT. 6-59-55 N., LONG. 100-25-58 E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHET KASEM HIGHWAY AT KHUAN LANG(3), AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	127 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.665 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.211 M. (M.S.L.)
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 FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 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 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.05	1.58	1.67	1.68	1.47	1.54	2.21	2.17	2.92	2.51	1.76	1.65	
2	1.88	1.60	1.76	1.47	1.46	1.52	2.38	2.33	3.69	2.68	1.82	1.63	
3	1.77	1.56	1.73	1.46	1.45	1.52	2.19	2.40	4.90	2.82	1.76	1.65	
4	1.67	1.54	1.75	1.45	1.44	1.53	2.01	2.53	5.62	2.93	1.72	1.64	
5	1.65	1.55	1.77	1.44	1.43	1.54	1.89	2.40	5.31	3.58	1.68	1.64	
6	1.61	1.77	1.76	1.42	1.43	1.57	1.74	2.33	4.62	5.09	1.64	1.66	
7	1.59	1.82	1.95	1.43	1.42	1.58	1.76	3.92	4.28	5.93	1.65	1.62	
8	1.58	1.81	2.32	1.43	1.41	1.60	1.82	5.40	4.24	5.30	1.68	1.61	
9	1.73	1.74	2.06	1.44	1.43	1.58	1.74	4.98	3.94	4.68	1.63	1.63	
10	1.67	1.71	1.93	1.44	1.44	1.57	1.67	3.91	3.30	4.00	1.61	1.68	
11	1.64	1.74	1.82	1.44	1.83	1.55	1.60	3.20	2.89	3.47	1.60	1.63	
12	1.65	2.01	1.73	1.44	2.05	1.52	1.58	3.93	2.67	3.17	1.61	1.55	
13	1.70	2.15	1.68	1.44	1.85	1.52	1.58	3.91	2.95	2.89	1.69	1.55	
14	1.61	2.10	1.68	1.43	1.92	1.53	1.58	3.93	3.31	2.71	1.63	1.55	
15	1.62	2.27	1.59	1.43	1.82	1.50	1.58	3.32	3.60	2.61	1.61	1.59	
16	1.60	1.99	1.53	1.43	1.74	1.43	1.59	3.48	3.79	2.45	1.63	1.57	
17	1.64	1.93	1.57	1.46	1.68	1.48	1.55	3.75	3.50	2.33	1.62	1.63	
18	1.55	2.30	1.61	1.49	1.58	1.50	1.57	3.79	3.16	2.18	1.62	1.76	
19	1.62	3.14	1.74	1.48	1.56	1.51	1.60	3.36	2.72	2.23	1.62	1.80	
20	1.69	3.12	1.97	1.46	1.54	1.48	1.58	4.06	2.52	2.16	1.62	1.68	
21	1.69	2.91	1.80	1.46	1.57	1.49	1.67	5.41	2.45	2.18	1.62	1.64	
22	1.61	2.51	1.73	1.52	1.55	1.48	1.74	5.44	2.42	2.11	1.64	1.63	
23	1.62	2.28	1.68	1.69	1.54	1.49	2.02	5.11	2.68	2.08	1.64	1.67	
24	1.80	2.02	1.64	1.65	1.55	1.54	2.07	4.85	2.89	2.04	1.70	1.67	
25	1.81	1.93	1.63	1.57	1.54	1.67	1.98	3.91	3.73	2.03	1.63	1.64	
26	1.79	1.84	1.63	1.44	1.60	1.64	1.92	3.45	4.85	1.95	1.61	1.63	
27	1.74	1.76	1.63	1.55	1.59	1.60	2.04	3.39	5.04	1.83	1.62	1.61	
28	1.66	1.69	1.59	1.52	1.59	1.66	2.43	3.31	3.92	1.80	1.62	1.60	
29	1.62	1.69	1.57	1.52	1.59	1.72	2.39	3.07	3.22	1.79		1.64	
30	1.59	1.70	1.57	1.51	1.59	1.74	2.23	2.88	2.84	1.80		1.68	
31		1.69		1.49	1.56		2.18		2.59	1.73		1.62	
MEAN	1.68	1.98	1.74	1.49	1.59	1.55	1.87	3.66	3.57	2.81	1.65	1.64	
MAX	2.05	3.14	2.32	1.69	2.05	1.74	2.43	5.44	5.62	5.93	1.82	1.80	5.93
MIN	1.55	1.54	1.53	1.42	1.41	1.43	1.55	2.17	2.42	1.73	1.60	1.55	1.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.96 M (A.D), AT 6.00 HOURS, ON JAN 7, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.49 M (A.D)
LEFT BANK ELEVATION 8.62 M (A.D)
RIGHT BANK ELEVATION 8.93 M (A.D), DRAINAGE AREA 127 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	0.28	0.37	0.38	0.17	0.24	1.74	1.60	5.07	2.90	0.52	0.35	
2	0.76	0.30	0.52	0.17	0.16	0.22	2.37	2.17	9.93	3.75	0.64	0.33	
3	0.54	0.26	0.46	0.16	0.15	0.22	1.67	2.45	20.10	4.47	0.52	0.35	
4	0.37	0.24	0.50	0.15	0.14	0.23	1.08	3.00	27.37	5.13	0.44	0.34	
5	0.35	0.25	0.54	0.14	0.13	0.24	0.78	2.45	24.20	9.17	0.38	0.34	
6	0.31	0.54	0.52	0.12	0.13	0.27	0.48	2.17	17.38	22.00	0.34	0.36	
7	0.29	0.64	0.93	0.13	0.12	0.28	0.52	11.60	14.44	30.78	0.35	0.32	
8	0.28	0.62	2.13	0.13	0.11	0.30	0.64	25.10	14.12	24.10	0.38	0.31	
9	0.46	0.48	1.23	0.14	0.13	0.28	0.48	20.90	11.75	17.92	0.33	0.33	
10	0.37	0.42	0.87	0.14	0.14	0.27	0.37	11.53	7.35	12.20	0.31	0.38	
11	0.34	0.48	0.64	0.14	0.66	0.25	0.30	6.75	4.89	8.46	0.30	0.33	
12	0.35	1.08	0.46	0.14	1.20	0.22	0.28	11.68	3.70	6.57	0.31	0.25	
13	0.40	1.53	0.38	0.14	0.70	0.22	0.28	11.53	5.25	4.89	0.39	0.25	
14	0.31	1.35	0.38	0.13	0.85	0.23	0.28	11.68	7.42	3.90	0.33	0.25	
15	0.32	1.95	0.29	0.13	0.64	0.20	0.28	7.48	9.30	3.40	0.31	0.29	
16	0.30	1.02	0.23	0.13	0.48	0.13	0.29	8.52	10.63	2.65	0.33	0.27	
17	0.34	0.87	0.27	0.16	0.38	0.18	0.25	10.35	8.65	2.17	0.32	0.33	
18	0.25	2.05	0.31	0.19	0.28	0.20	0.27	10.63	6.51	1.63	0.32	0.52	
19	0.32	6.39	0.48	0.18	0.26	0.21	0.30	7.74	3.95	1.81	0.32	0.60	
20	0.39	6.27	0.98	0.16	0.24	0.18	0.28	12.68	2.95	1.56	0.32	0.38	
21	0.39	5.01	0.60	0.16	0.27	0.19	0.37	25.20	2.65	1.63	0.32	0.34	
22	0.31	2.90	0.46	0.22	0.25	0.18	0.48	25.50	2.53	1.39	0.34	0.33	
23	0.32	1.98	0.38	0.39	0.24	0.19	1.11	22.20	3.75	1.29	0.34	0.37	
24	0.60	1.11	0.34	0.35	0.25	0.24	1.26	19.60	4.89	1.17	0.40	0.37	
25	0.62	0.87	0.33	0.27	0.24	0.37	1.00	11.53	10.21	1.14	0.33	0.34	
26	0.58	0.68	0.33	0.14	0.30	0.34	0.85	8.33	19.60	0.93	0.31	0.33	
27	0.48	0.52	0.33	0.25	0.29	0.30	1.17	7.94	21.50	0.66	0.32	0.31	
28	0.36	0.39	0.29	0.22	0.29	0.36	2.57	7.42	11.60	0.60	0.32	0.30	
29	0.32	0.39	0.27	0.22	0.29	0.44	2.41	5.97	6.87	0.58		0.34	
30	0.29	0.40	0.27	0.21	0.29	0.48	1.81	4.83	4.59	0.60		0.38	
31		0.39		0.19	0.26		1.63		3.30	0.46		0.32	
TOTAL	12.52	41.66	16.09	5.78	10.04	7.66	27.60	320.53	306.45	179.91	10.14	10.61	948.99 CMSDAY
MEAN	0.42	1.34	0.54	0.19	0.32	0.26	0.89	10.68	9.89	5.80	0.36	0.34	2.60 CMS
MAX	1.20	6.39	2.13	0.39	1.20	0.48	2.57	25.50	27.37	30.78	0.64	0.60	30.78 CMS
MIN	0.25	0.24	0.23	0.12	0.11	0.13	0.25	1.60	2.53	0.46	0.30	0.25	0.11 CMS
RUNOFF	1.082	3.599	1.390	0.499	0.867	0.662	2.385	27.694	26.477	15.544	0.876	0.917	81.993 MCM

MOMENTARY PEAK 31.11 CMS, AT 5.96 M (A.D), AT 6.00 HOURS, ON JAN 7, 1985

RUNOFF YIELD 20.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 244.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

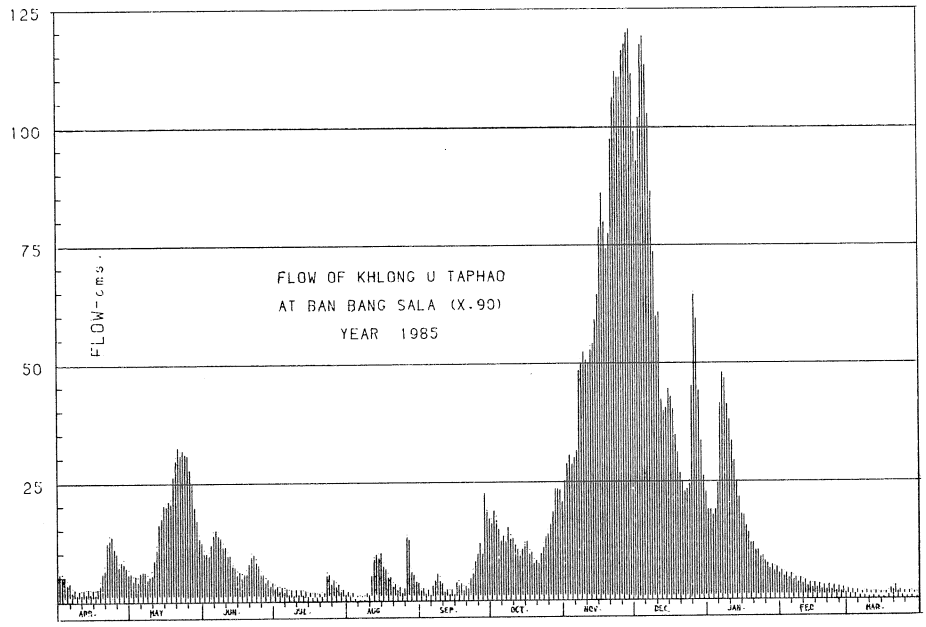
KHLONG U TAPHAO AT BAN BANG SALA, SONGKHLA (X.90)

LOCATION	LAT. 6-55-39 N., LONG. 100-26-37 E., ON LEFT BANK ABOUT 5 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AND NEAR THE PHATTHANA TAMBON STREET, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,562 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.680 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 28 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.335 M.(M.S.L.)
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	1971-1972, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1972, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 64 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.83	1.83	2.31	1.60	1.43	1.56	2.81	3.34	6.69	2.98	1.85	1.45	
2	1.83	1.78	2.23	1.55	1.42	1.50	2.92	3.62	6.48	2.93	1.82	1.44	
3	1.77	1.78	2.27	1.55	1.41	1.49	2.85	3.67	6.80	2.91	1.79	1.43	
4	1.69	1.76	2.40	1.53	1.38	1.47	2.65	3.62	7.37	2.93	1.78	1.44	
5	1.63	1.84	2.63	1.53	1.34	1.46	2.52	3.64	7.41	3.35	1.78	1.42	
6	1.53	1.97	2.65	1.50	1.35	1.55	2.53	3.78	7.22	4.27	1.74	1.41	
7	1.50	1.86	2.63	1.49	1.33	1.76	2.51	4.62	6.83	4.63	1.70	1.39	
8	1.48	1.81	2.51	1.48	1.35	1.81	2.68	4.73	6.25	4.54	1.69	1.40	
9	1.47	1.76	2.43	1.46	1.40	1.75	2.55	4.80	5.73	4.30	1.69	1.41	
10	1.48	1.89	2.36	1.48	1.46	1.60	2.50	4.77	5.17	4.09	1.66	1.37	
11	1.49	2.10	2.27	1.48	1.77	1.52	2.46	4.70	5.18	3.88	1.64	1.38	
12	1.50	2.39	2.20	1.48	2.15	1.47	2.30	4.86	4.36	3.60	1.61	1.39	
13	1.51	2.74	2.07	1.47	2.21	1.47	2.25	4.88	4.19	3.36	1.59	1.39	
14	1.50	2.89	1.96	1.45	2.23	1.47	2.30	5.13	4.26	3.11	1.57	1.38	
15	1.49	3.01	1.89	1.44	2.23	1.47	2.42	5.35	4.43	2.92	1.58	1.37	
16	1.49	3.06	1.86	1.42	2.05	1.62	2.44	5.95	4.39	2.85	1.57	1.36	
17	1.51	3.07	1.83	1.42	1.91	1.66	2.28	6.21	4.21	2.75	1.56	1.37	
18	1.68	3.10	1.81	1.42	1.83	1.60	2.24	6.00	3.95	2.58	1.55	1.41	
19	1.83	3.41	1.91	1.40	1.74	1.55	2.11	5.76	3.70	2.46	1.53	1.45	
20	2.00	3.67	2.03	1.40	1.63	1.54	2.08	5.91	3.48	2.40	1.54	1.51	
21	2.43	3.78	2.25	1.44	1.59	1.59	2.11	6.63	3.33	2.34	1.54	1.52	
22	2.56	3.74	2.21	1.41	1.56	1.71	2.21	6.98	3.24	2.27	1.53	1.48	
23	2.55	3.74	2.14	1.85	1.53	1.90	2.40	7.15	3.22	2.22	1.52	1.42	
24	2.41	3.76	2.00	1.80	1.50	2.06	2.52	7.14	3.34	2.16	1.51	1.40	
25	2.24	3.68	1.89	1.69	1.50	2.30	2.64	7.11	4.46	2.14	1.50	1.39	
26	2.06	3.55	1.81	1.69	2.56	2.41	2.72	7.33	5.37	2.00	1.49	1.38	
27	2.07	3.33	1.74	1.64	2.47	2.29	2.96	7.35	5.12	1.98	1.48	1.39	
28	2.13	3.04	1.70	1.59	1.92	3.17	3.23	7.46	4.45	1.97	1.47	1.40	
29	1.95	2.80	1.66	1.53	1.79	2.96	3.28	7.46	3.84	1.93		1.37	
30	1.92	2.58	1.63	1.48	1.74	2.81	3.21	7.16	3.44	1.92		1.37	
31		2.43		1.48	1.61		3.11		3.18	1.89		1.36	
MEAN	1.82	2.71	2.11	1.52	1.72	1.82	2.57	5.57	4.87	2.89	1.62	1.41	
MAX	2.56	3.78	2.65	1.85	2.56	3.17	3.28	7.46	7.41	4.63	1.85	1.52	7.46
MIN	1.47	1.76	1.63	1.40	1.33	1.46	2.08	3.34	3.18	1.89	1.47	1.36	1.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.50 M (MSL), AT 18.00 HOURS, ON NOV 28, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.68 M (MSL), RIVER BED 0.20 M (MSL)
LEFT BANK ELEVATION 8.47 M (MSL)
RIGHT BANK ELEVATION 8.25 M (MSL), DRAINAGE AREA 1562 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.90	5.90	10.92	3.60	1.90	3.20	17.25	25.24	99.03	19.80	6.10	2.10	
2	5.90	5.40	10.03	3.10	1.80	2.60	18.90	29.74	93.36	19.05	5.80	2.00	
3	5.30	5.40	10.47	3.10	1.70	2.50	17.85	30.59	102.00	18.75	5.50	1.90	
4	4.50	5.20	12.00	2.90	1.44	2.30	15.05	29.74	118.13	19.05	5.40	2.00	
5	3.90	6.00	14.79	2.90	1.12	2.20	13.44	30.08	119.29	25.40	5.40	1.80	
6	2.90	7.30	15.05	2.60	1.20	3.10	13.56	32.52	113.78	41.43	5.00	1.70	
7	2.60	6.20	14.79	2.50	1.04	5.20	13.32	48.44	102.81	48.66	4.60	1.52	
8	2.40	5.70	13.32	2.40	1.20	5.70	15.44	50.86	87.15	46.74	4.50	1.60	
9	2.30	5.20	12.36	2.20	1.60	5.10	13.80	52.40	73.49	42.00	4.50	1.70	
10	2.40	6.50	11.52	2.40	2.20	3.60	13.20	51.74	60.54	38.02	4.20	1.36	
11	2.50	8.60	10.47	2.40	5.30	2.80	12.72	50.20	60.76	34.30	4.00	1.44	
12	2.60	11.88	9.70	2.40	9.15	2.30	10.80	53.72	43.14	29.40	3.70	1.52	
13	2.70	16.26	8.30	2.30	9.81	2.30	10.25	54.16	39.91	25.56	3.50	1.52	
14	2.60	18.45	7.20	2.10	10.03	2.30	10.80	59.66	41.24	21.75	3.30	1.44	
15	2.50	20.25	6.50	2.00	10.03	2.30	12.24	64.55	44.50	18.90	3.40	1.36	
16	2.50	21.00	6.20	1.80	8.10	3.80	12.48	79.25	43.71	17.85	3.30	1.28	
17	2.70	21.15	5.90	1.80	6.70	4.20	10.58	86.07	40.29	16.40	3.20	1.36	
18	4.40	21.60	5.70	1.80	5.90	3.60	10.14	80.56	35.54	14.16	3.10	1.70	
19	5.90	26.36	6.70	1.60	5.00	3.10	8.71	74.27	31.10	12.72	2.90	2.10	
20	7.60	30.59	7.90	1.60	3.90	3.00	8.40	78.20	27.48	12.00	3.00	2.70	
21	12.36	32.52	10.25	2.00	3.50	3.50	8.71	97.41	25.08	11.28	3.00	2.80	
22	13.92	31.81	9.81	1.70	3.20	4.70	9.81	106.94	23.70	10.47	2.90	2.40	
23	13.80	31.81	9.04	6.10	2.90	6.60	12.00	111.75	23.40	9.92	2.80	1.80	
24	12.12	32.17	7.60	5.60	2.60	8.20	13.44	111.46	25.24	9.26	2.70	1.60	
25	10.14	30.76	6.50	4.50	2.60	10.80	14.92	110.59	45.10	9.04	2.60	1.52	
26	8.20	28.60	5.70	4.50	13.92	12.12	15.98	116.97	65.01	7.60	2.50	1.44	
27	8.30	25.08	5.00	4.00	12.84	10.69	19.50	117.55	59.44	7.40	2.40	1.52	
28	8.93	20.70	4.60	3.50	6.80	22.65	23.55	120.74	44.90	7.30	2.30	1.60	
29	7.10	17.10	4.20	2.90	5.50	19.50	24.30	120.74	33.59	6.90		1.36	
30	6.80	14.16	3.90	2.40	5.00	17.25	23.25	112.04	26.84	6.80		1.36	
31		12.36		2.40	3.70		21.75		22.80	6.50		1.28	
TOTAL	175.77	532.01	266.42	87.10	151.68	181.21	446.14	2188.18	1772.35	614.41	105.60	52.78	6573.65 CMSDAY
MEAN	5.86	17.16	8.88	2.81	4.89	6.04	14.39	72.94	57.17	19.82	3.77	1.70	18.01 CMS
MAX	13.92	32.52	15.05	6.10	13.92	22.65	24.30	120.74	119.29	48.66	6.10	2.80	120.74 CMS
MIN	2.30	5.20	3.90	1.60	1.04	2.20	8.40	25.24	22.80	6.50	2.30	1.28	1.04 CMS
RUNOFF	15.187	45.966	23.019	7.525	13.105	15.657	38.546	189.059	153.131	53.085	9.124	4.560	567.963 MCM

MOMENTARY PEAK 121.90 CMS, AT 7.50 M (MSL), AT 18.00 HOURS, ON NOV 28, 1985

RUNOFF YIELD 11.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 78.04 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

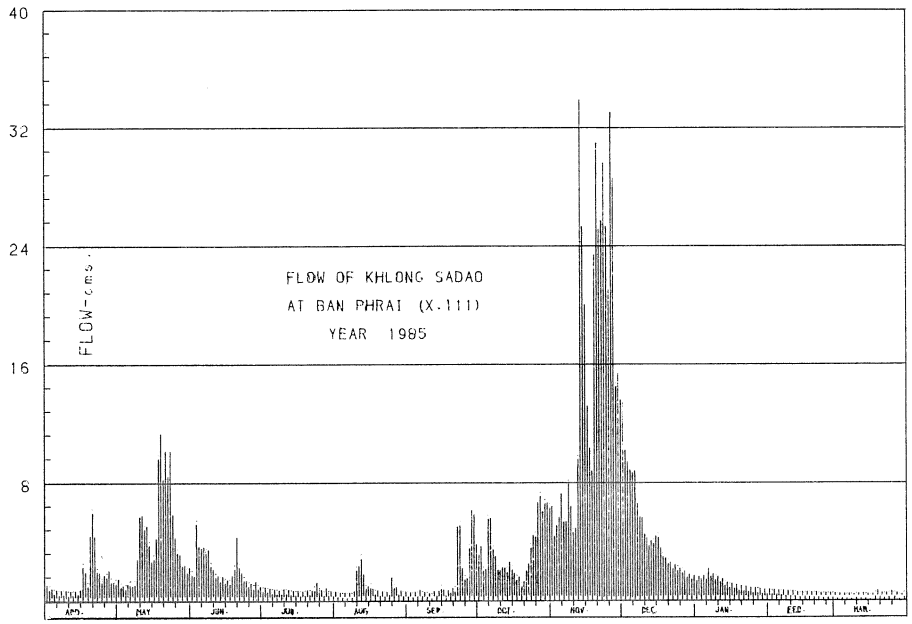
KHLONG SADAO AT BAN PHRAI, SONGKHLA (X.111)

LOCATION	LAT. 6-39-37 N., LONG. 100-26-09 E., ON LEFT BANK AT BAN PHRAI, AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	256 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+5.698 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 68 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.74	0.91	1.12	0.68	0.55	0.55	1.61	2.56	3.70	0.96	0.60	0.49	
2	0.73	0.79	0.98	0.67	0.54	0.53	1.71	2.01	3.49	0.95	0.59	0.48	
3	0.64	0.72	2.28	0.66	0.52	0.53	1.20	2.16	3.36	1.01	0.59	0.48	
4	0.63	0.75	1.72	0.64	0.52	0.54	1.14	2.42	3.32	0.98	0.58	0.48	
5	0.61	0.77	1.77	0.63	0.52	0.55	2.38	2.83	3.23	1.00	0.57	0.48	
6	0.60	0.85	1.70	0.61	0.51	0.60	2.32	2.31	3.31	1.16	0.57	0.47	
7	0.60	0.71	1.65	0.61	0.52	0.56	1.72	2.24	2.63	1.06	0.57	0.48	
8	0.61	0.87	1.64	0.59	0.52	0.54	1.47	3.10	2.41	1.02	0.55	0.47	
9	0.60	1.40	1.32	0.61	0.57	0.54	1.23	2.56	2.32	0.98	0.55	0.46	
10	0.58	2.44	1.15	0.62	1.22	0.50	1.11	2.09	2.05	0.95	0.55	0.49	
11	0.58	2.39	1.05	0.62	1.23	0.50	1.30	2.10	1.89	0.92	0.55	0.48	
12	0.58	2.17	0.99	0.60	1.52	0.56	1.18	3.42	1.80	0.89	0.54	0.48	
13	0.58	2.16	0.95	0.59	1.02	0.58	1.19	4.24	1.83	0.82	0.53	0.49	
14	0.61	1.83	0.97	0.58	0.72	0.56	1.33	4.09	1.86	0.79	0.52	0.48	
15	0.61	1.34	0.91	0.58	0.70	0.73	1.24	3.95	1.93	0.76	0.53	0.47	
16	1.31	1.52	0.88	0.58	0.77	0.60	1.05	3.70	1.99	0.76	0.53	0.47	
17	1.08	1.89	0.89	0.57	0.63	0.58	0.99	3.48	1.66	0.74	0.53	0.47	
18	0.82	3.43	0.99	0.56	0.60	0.59	0.95	3.31	1.54	0.72	0.53	0.53	
19	1.95	3.57	1.26	0.58	0.58	0.64	0.81	4.04	1.42	0.70	0.52	0.56	
20	2.52	3.19	1.92	0.60	0.57	0.64	0.82	4.20	1.38	0.70	0.52	0.52	
21	1.94	3.46	1.29	0.60	0.56	0.69	1.22	4.08	1.31	0.68	0.52	0.50	
22	1.18	3.24	1.06	0.58	0.55	2.14	1.28	4.10	1.26	0.68	0.51	0.50	
23	1.07	3.46	0.96	0.70	0.54	2.26	1.76	4.17	1.25	0.66	0.50	0.50	
24	0.92	2.47	0.86	0.80	0.59	1.17	1.95	4.09	1.21	0.64	0.50	0.52	
25	1.01	1.91	0.82	0.65	0.94	0.98	2.02	3.98	1.16	0.64	0.50	0.54	
26	1.06	1.66	0.78	0.60	0.76	0.91	2.64	4.23	1.15	0.64	0.50	0.52	
27	1.13	1.52	0.74	0.57	0.67	1.75	2.86	4.15	1.09	0.63	0.50	0.50	
28	0.93	1.34	0.83	0.65	0.60	2.49	2.45	3.76	1.04	0.62	0.51	0.47	
29	0.83	1.26	0.74	0.58	0.58	2.50	2.71	3.79	1.01	0.61		0.46	
30	0.90	1.17	0.69	0.57	0.56	1.75	2.64	3.72	1.00	0.60		0.52	
31		1.20		0.55	0.55		2.62		0.98	0.60		0.48	
MEAN	0.93	1.82	1.16	0.61	0.68	0.94	1.64	3.36	1.92	0.80	0.54	0.49	
MAX	2.52	3.57	2.28	0.80	1.52	2.50	2.86	4.24	3.70	1.16	0.60	0.56	4.24
MIN	0.58	0.71	0.69	0.55	0.51	0.50	0.81	2.01	0.98	0.60	0.50	0.46	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.36 M (A.D), AT 6.00 HOURS, ON NOV 13, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.31 M (A.D)
LEFT BANK ELEVATION 6.05 M (A.D)
RIGHT BANK ELEVATION 6.04 M (A.D), DRAINAGE AREA 256 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.10	1.53	2.07	0.95	0.63	0.63	3.40	6.38	13.40	1.65	0.75	0.48	
2	1.08	1.23	1.70	0.93	0.60	0.57	3.69	4.61	10.42	1.63	0.72	0.45	
3	0.85	1.05	5.48	0.90	0.55	0.57	2.29	5.09	9.39	1.78	0.72	0.45	
4	0.83	1.13	3.72	0.85	0.55	0.60	2.13	5.93	9.13	1.70	0.70	0.45	
5	0.78	1.17	3.87	0.83	0.55	0.63	5.80	7.25	8.66	1.75	0.67	0.45	
6	0.75	1.38	3.67	0.78	0.52	0.75	5.61	5.58	9.06	2.18	0.67	0.42	
7	0.75	1.02	3.52	0.78	0.55	0.65	3.72	5.35	6.60	1.91	0.67	0.45	
8	0.78	1.42	3.49	0.72	0.55	0.60	3.02	8.15	5.90	1.80	0.63	0.42	
9	0.75	2.83	2.61	0.78	0.67	0.60	2.37	6.38	5.61	1.70	0.63	0.40	
10	0.70	5.99	2.16	0.80	2.34	0.50	2.05	4.87	4.74	1.63	0.63	0.48	
11	0.70	5.83	1.88	0.80	2.37	0.50	2.56	4.90	4.24	1.55	0.63	0.45	
12	0.70	5.13	1.73	0.75	3.15	0.65	2.24	9.82	3.96	1.47	0.60	0.45	
13	0.70	5.09	1.63	0.72	1.80	0.70	2.26	33.92	4.05	1.30	0.57	0.48	
14	0.78	4.05	1.68	0.70	1.05	0.65	2.64	25.57	4.15	1.23	0.55	0.45	
15	0.78	2.67	1.53	0.70	1.00	1.08	2.40	20.05	4.36	1.15	0.57	0.42	
16	2.59	3.15	1.45	0.70	1.17	0.75	1.88	13.40	4.55	1.15	0.57	0.42	
17	1.97	4.24	1.47	0.67	0.83	0.70	1.73	10.33	3.55	1.10	0.57	0.42	
18	1.30	9.90	1.73	0.65	0.75	0.72	1.63	9.06	3.21	1.05	0.57	0.57	
19	4.43	11.34	2.45	0.70	0.70	0.85	1.27	23.42	2.88	1.00	0.55	0.65	
20	6.25	8.47	4.33	0.75	0.67	0.85	1.30	31.20	2.78	1.00	0.55	0.55	
21	4.39	10.16	2.53	0.75	0.65	0.97	2.34	25.14	2.59	0.95	0.55	0.50	
22	2.24	8.71	1.91	0.70	0.63	5.03	2.51	26.00	2.45	0.95	0.52	0.50	
23	1.94	10.16	1.65	1.00	0.60	5.42	3.84	29.64	2.43	0.90	0.50	0.50	
24	1.55	6.09	1.40	1.25	0.72	2.21	4.43	25.57	2.32	0.85	0.50	0.55	
25	1.78	4.30	1.30	0.87	1.60	1.70	4.64	21.04	2.18	0.85	0.50	0.60	
26	1.91	3.55	1.20	0.75	1.15	1.53	6.64	33.24	2.16	0.85	0.50	0.55	
27	2.10	3.15	1.10	0.67	0.93	3.81	7.35	28.60	1.99	0.83	0.50	0.50	
28	1.58	2.67	1.32	0.87	0.75	6.15	6.03	14.72	1.86	0.80	0.52	0.42	
29	1.32	2.45	1.10	0.70	0.70	6.19	6.86	15.38	1.78	0.78		0.40	
30	1.50	2.21	0.97	0.67	0.65	3.81	6.64	13.84	1.75	0.75		0.55	
31		2.29		0.63	0.63		6.57		1.70	0.75		0.45	
TOTAL	48.88	134.36	66.65	24.32	30.01	50.37	111.84	474.43	143.85	38.99	16.61	14.83	1155.14 CMSDAY
MEAN	1.63	4.33	2.22	0.78	0.97	1.68	3.61	15.81	4.64	1.26	0.59	0.48	3.16 CMS
MAX	6.25	11.34	5.48	1.25	3.15	6.19	7.35	33.92	13.40	2.18	0.75	0.65	33.92 CMS
MIN	0.70	1.02	0.97	0.63	0.52	0.50	1.27	4.61	1.70	0.75	0.50	0.40	0.40 CMS
RUNOFF	4.223	11.609	5.759	2.101	2.593	4.352	9.663	40.991	12.429	3.369	1.435	1.281	99.804 MCM

MOMENTARY PEAK 43.16 CMS, AT 4.36 M (A.D), AT 6.00 HOURS, ON NOV 13, 1985

RUNOFF YIELD 12.36 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 168.59 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

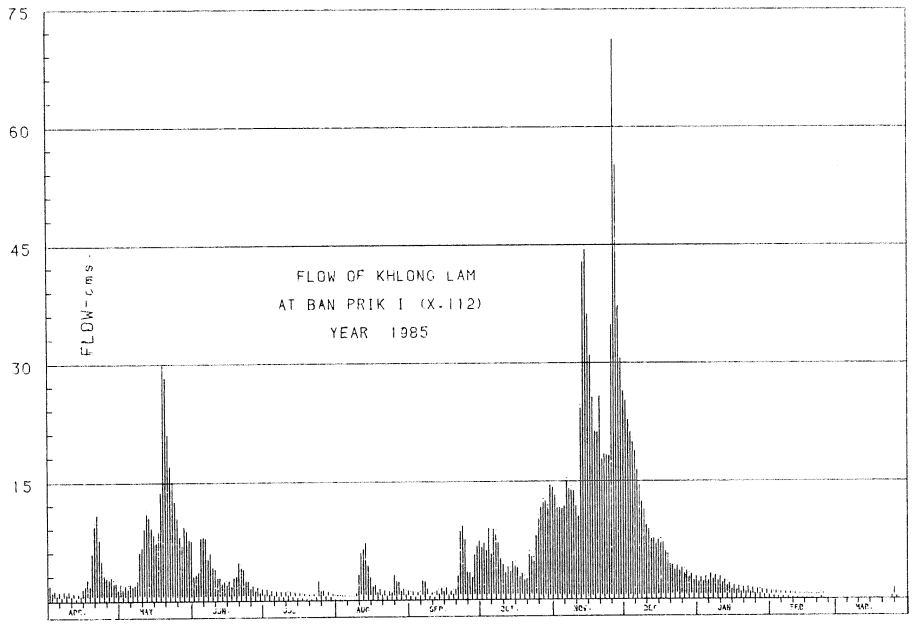
KHLONG LAM AT BAN PRIK (1), SONGKHLA (X.112)

LOCATION	LAT. 6-42-11 N., LONG. 100-26-10 E., ON RIGHT BANK AT BAN PRIK (1), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	493 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.533 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 64 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.71	1.78	2.25	1.46	1.08	1.29	3.26	4.54	5.62	1.98	1.23	0.94	
2	1.54	1.72	2.16	1.44	1.08	1.26	3.24	4.31	5.51	1.97	1.22	0.95	
3	1.38	1.70	2.44	1.41	1.06	1.23	3.16	4.22	5.40	2.00	1.22	0.93	
4	1.34	1.75	3.43	1.37	1.04	1.22	3.70	4.30	5.34	2.01	1.19	0.95	
5	1.30	1.77	3.59	1.35	1.02	1.28	3.01	4.26	5.22	2.03	1.17	0.94	
6	1.27	1.86	3.43	1.33	1.02	1.86	3.68	4.88	5.05	2.13	1.16	0.94	
7	1.36	1.72	2.88	1.30	1.01	2.04	3.65	4.69	4.76	2.10	1.16	0.92	
8	1.43	2.08	2.95	1.29	1.02	1.44	3.25	4.73	4.46	2.06	1.15	0.92	
9	1.36	2.98	2.62	1.27	1.16	1.26	2.88	4.64	4.18	2.03	1.14	0.93	
10	1.30	3.27	2.41	1.31	2.30	1.18	2.55	4.36	3.87	2.01	1.12	0.93	
11	1.22	3.72	2.19	1.35	2.95	1.21	2.40	4.00	3.67	1.94	1.10	0.92	
12	1.17	4.19	2.04	1.31	3.20	1.29	2.46	5.59	3.48	1.86	1.09	0.91	
13	1.19	4.01	1.96	1.28	3.26	1.41	2.44	6.16	3.37	1.80	1.07	0.90	
14	1.34	3.84	1.86	1.24	2.66	1.48	2.65	6.19	3.33	1.72	1.06	0.89	
15	1.50	3.54	1.91	1.22	2.03	1.58	2.66	6.04	3.33	1.65	1.05	0.87	
16	1.84	3.40	1.90	1.20	1.84	1.51	2.40	5.90	3.36	1.60	1.08	0.86	
17	1.97	3.64	1.84	1.18	1.70	1.36	2.18	5.64	3.25	1.55	1.06	0.87	
18	1.87	4.71	2.04	1.16	1.55	1.29	2.15	5.43	3.09	1.53	1.05	0.97	
19	2.95	5.85	2.27	1.14	1.44	1.40	2.07	5.40	2.89	1.51	1.03	0.91	
20	3.88	5.80	2.65	1.12	1.39	1.40	1.94	5.67	2.68	1.49	1.02	0.87	
21	4.08	5.39	2.60	1.10	1.35	2.25	2.99	5.14	2.51	1.52	1.07	0.82	
22	3.49	5.11	2.37	1.15	1.31	3.62	2.80	5.23	2.50	1.50	1.15	0.82	
23	2.72	4.85	2.06	1.24	1.30	3.89	2.79	5.18	2.47	1.47	1.09	0.96	
24	2.30	4.50	1.88	1.87	1.50	3.36	3.46	5.22	2.45	1.42	0.99	1.20	
25	2.03	3.99	1.76	1.60	2.14	2.39	4.04	6.01	2.38	1.39	0.98	1.41	
26	2.14	3.58	1.68	1.37	2.06	2.21	4.24	6.37	2.32	1.37	0.97	1.17	
27	2.06	3.19	1.62	1.31	1.82	2.19	4.45	6.28	2.26	1.35	0.96	1.05	
28	1.97	3.86	1.57	1.28	1.61	2.87	4.39	6.07	2.19	1.32	0.95	0.96	
29	1.81	3.66	1.54	1.25	1.44	3.29	4.28	5.87	2.12	1.29		0.92	
30	1.71	3.51	1.49	1.14	1.37	3.31	4.75	5.70	2.05	1.29		0.97	
31		3.35		1.09	1.33		4.78		2.01	1.26		1.06	
MEAN	1.91	3.49	2.25	1.29	1.65	1.91	3.18	5.27	3.46	1.68	1.09	0.96	
MAX	4.08	5.85	3.59	1.87	3.26	3.89	4.78	6.37	5.62	2.13	1.23	1.41	6.37
MIN	1.17	1.70	1.49	1.09	1.01	1.18	1.94	4.00	2.01	1.26	0.95	0.82	0.82

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.40 M (A.D), AT 9.00 HOURS, ON NOV 26, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.22 M (A.D)
LEFT BANK ELEVATION 6.41 M (A.D)
RIGHT BANK ELEVATION 6.29 M (A.D), DRAINAGE AREA 493 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.93	2.14	3.55	1.42	0.66	1.08	7.24	13.20	25.20	2.74	0.96	0.38	
2	1.58	1.96	3.28	1.38	0.66	1.02	7.16	12.05	23.18	2.71	0.94	0.40	
3	1.26	1.90	4.12	1.32	0.62	0.96	6.84	11.60	21.20	2.80	0.94	0.36	
4	1.18	2.05	7.92	1.24	0.58	0.94	9.00	12.00	20.36	2.83	0.88	0.40	
5	1.10	2.11	8.56	1.20	0.54	1.06	6.24	11.80	18.76	2.89	0.84	0.38	
6	1.04	2.38	7.92	1.16	0.54	2.38	8.92	15.36	16.85	3.19	0.82	0.38	
7	1.22	1.96	5.72	1.10	0.52	2.92	8.80	14.04	14.52	3.10	0.82	0.34	
8	1.36	3.04	6.00	1.08	0.54	1.38	7.20	14.31	12.80	2.98	0.80	0.34	
9	1.22	6.12	4.68	1.04	0.82	1.02	5.72	13.74	11.40	2.89	0.78	0.36	
10	1.10	7.28	4.03	1.12	3.70	0.86	4.45	12.30	9.85	2.83	0.74	0.36	
11	0.94	9.10	3.37	1.20	6.00	0.92	4.00	10.50	8.88	2.62	0.70	0.34	
12	0.84	11.45	2.92	1.12	7.00	1.08	4.18	24.62	8.12	2.38	0.68	0.32	
13	0.88	10.55	2.68	1.06	7.24	1.32	4.12	42.82	7.68	2.20	0.64	0.30	
14	1.18	9.70	2.38	0.98	4.84	1.46	4.80	44.83	7.52	1.96	0.62	0.29	
15	1.50	8.36	2.53	0.94	2.89	1.66	4.84	36.16	7.52	1.80	0.60	0.27	
16	2.32	7.80	2.50	0.90	2.32	1.52	4.00	31.30	7.64	1.70	0.66	0.26	
17	2.71	8.76	2.32	0.86	1.90	1.22	3.34	25.60	7.20	1.60	0.62	0.27	
18	2.41	14.17	2.92	0.82	1.60	1.08	3.25	21.74	6.56	1.56	0.60	0.44	
19	6.00	30.05	3.61	0.78	1.38	1.30	3.01	21.20	5.76	1.52	0.56	0.32	
20	9.90	28.80	4.80	0.74	1.28	1.30	2.62	26.20	4.92	1.48	0.54	0.27	
21	10.90	21.06	4.60	0.70	1.20	3.55	6.16	17.78	4.33	1.54	0.64	0.22	
22	8.16	17.42	3.91	0.80	1.12	8.68	5.40	18.89	4.30	1.50	0.80	0.22	
23	5.08	15.15	2.98	0.98	1.10	9.95	5.36	18.26	4.21	1.44	0.68	0.42	
24	3.70	13.00	2.44	2.41	1.50	7.64	8.04	18.76	4.15	1.34	0.48	0.90	
25	2.89	10.45	2.08	1.70	3.22	3.97	10.70	34.84	3.94	1.28	0.46	1.32	
26	3.22	8.52	1.86	1.24	2.98	3.43	11.70	71.50	3.76	1.24	0.44	0.84	
27	2.98	6.96	1.74	1.12	2.26	3.37	12.75	55.10	3.58	1.20	0.42	0.60	
28	2.71	9.80	1.64	1.06	1.72	5.68	12.45	37.48	3.37	1.14	0.40	0.42	
29	2.23	8.84	1.58	1.00	1.38	7.36	11.90	30.55	3.16	1.08		0.34	
30	1.93	8.24	1.48	0.78	1.24	7.44	14.45	26.80	2.95	1.08		0.44	
31		7.60		0.68	1.16		14.66		2.83	1.02		0.62	
TOTAL	85.47	296.72	110.12	33.93	64.51	87.55	223.30	745.33	286.50	61.64	19.06	13.12	2027.25 CMSDAY
MEAN	2.85	9.57	3.67	1.09	2.08	2.92	7.20	24.84	9.24	1.99	0.68	0.42	5.55 CMS
MAX	10.90	30.05	8.56	2.41	7.24	9.95	14.66	71.50	25.20	3.19	0.96	1.32	71.50 CMS
MIN	0.84	1.90	1.48	0.68	0.52	0.86	2.62	10.50	2.83	1.02	0.40	0.22	0.22 CMS
RUNOFF	7.385	25.637	9.514	2.932	5.574	7.564	19.293	64.397	24.754	5.326	1.647	1.134	175.154 MCM

MOMENTARY PEAK 77.50 CMS, AT 6.40 M (A.D), AT 9.00 HOURS, ON NOV 26, 1985

RUNOFF YIELD 11.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 157.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

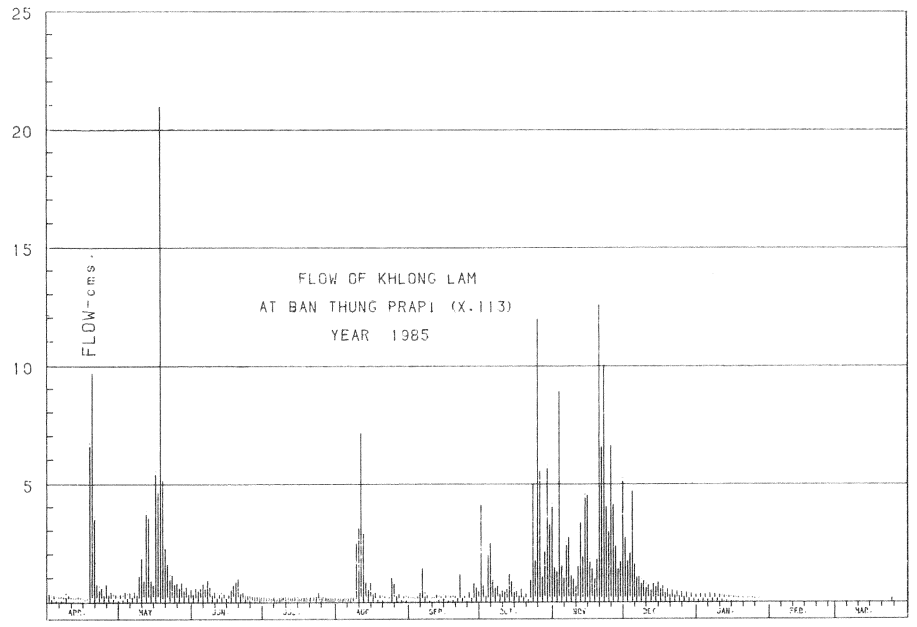
KHLONG LAM AT BAN THUNG PRAP (1), SONGKHLA (X.113)

LOCATION	LAT. 6-37-59 N., LONG. 100-23-46 E., ON RIGHT BANK AT BAN THUNG PRAP (I), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	129 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE GAGE OBSERVER'S HOUSE.
ELEVATION	+7.140 M.(A.D.)
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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 87 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.32	1.30	1.45	1.19	1.12	1.20	2.82	1.94	2.39	1.29	1.12	1.12	
2	1.28	1.29	1.48	1.17	1.11	1.19	1.56	1.95	2.11	1.32	1.14	1.12	
3	1.26	1.37	1.55	1.17	1.10	1.18	1.39	3.67	2.17	1.32	1.13	1.12	
4	1.24	1.33	1.47	1.16	1.10	1.22	2.15	2.02	2.96	1.31	1.13	1.12	
5	1.22	1.35	1.70	1.16	1.10	1.48	2.37	1.73	2.00	1.30	1.13	1.12	
6	1.23	1.37	1.46	1.14	1.10	1.93	1.70	2.33	1.83	1.34	1.13	1.12	
7	1.21	1.38	1.77	1.15	1.10	1.37	1.62	2.39	1.76	1.32	1.13	1.11	
8	1.35	1.43	1.51	1.15	1.14	1.28	1.55	1.86	1.71	1.32	1.12	1.11	
9	1.27	1.78	1.42	1.16	2.31	1.24	1.46	1.71	1.67	1.32	1.12	1.11	
10	1.20	2.16	1.37	1.20	2.57	1.20	1.41	1.66	1.61	1.30	1.12	1.11	
11	1.17	1.68	1.34	1.21	3.40	1.20	1.52	1.96	1.57	1.29	1.11	1.11	
12	1.18	2.72	1.31	1.18	2.50	1.30	1.46	2.62	1.56	1.27	1.11	1.11	
13	1.21	2.64	1.37	1.15	1.64	1.28	1.90	2.12	1.61	1.25	1.10	1.11	
14	1.19	1.75	1.31	1.12	1.58	1.23	1.66	2.89	1.64	1.24	1.11	1.10	
15	1.17	1.58	1.33	1.15	1.63	1.32	1.50	2.88	1.64	1.23	1.10	1.10	
16	1.10	3.11	1.29	1.13	1.45	1.26	1.39	2.09	1.59	1.22	1.14	1.10	
17	1.14	2.91	1.56	1.14	1.35	1.26	1.40	1.92	1.55	1.21	1.13	1.10	
18	3.33	4.75	1.57	1.13	1.30	1.25	1.46	1.80	1.49	1.20	1.12	1.13	
19	3.78	3.03	1.75	1.12	1.28	1.26	1.37	2.08	1.46	1.18	1.12	1.12	
20	2.66	2.29	1.72	1.12	1.26	1.24	1.32	4.11	1.43	1.19	1.11	1.11	
21	1.59	2.00	1.46	1.13	1.24	1.33	1.30	3.30	1.42	1.18	1.12	1.12	
22	1.55	1.80	1.36	1.12	1.20	1.81	1.68	3.84	1.41	1.18	1.14	1.11	
23	1.49	1.80	1.30	1.36	1.20	1.34	3.03	2.76	1.40	1.18	1.12	1.12	
24	1.43	1.69	1.28	1.36	1.82	1.25	2.06	2.52	1.39	1.19	1.12	1.31	
25	1.59	1.62	1.25	1.24	1.61	1.22	4.05	3.31	1.38	1.16	1.12	1.16	
26	1.43	1.62	1.23	1.20	1.39	1.36	3.11	2.81	1.38	1.16	1.12	1.12	
27	1.37	1.63	1.22	1.18	1.31	1.34	1.83	2.27	1.36	1.15	1.12	1.12	
28	1.32	1.55	1.21	1.16	1.28	1.62	2.19	1.98	1.34	1.15	1.12	1.12	
29	1.30	1.52	1.20	1.14	1.23	1.63	3.16	2.04	1.33	1.14		1.11	
30	1.25	1.45	1.18	1.15	1.25	1.39	2.56	3.05	1.31	1.13		1.10	
31		1.45		1.12	1.22		2.80		1.30	1.13		1.09	
MEAN	1.49	1.91	1.41	1.17	1.48	1.34	1.96	2.45	1.64	1.23	1.12	1.12	
MAX	3.78	4.75	1.77	1.36	3.40	1.93	4.05	4.11	2.96	1.34	1.14	1.31	4.75
MIN	1.10	1.29	1.18	1.12	1.10	1.18	1.30	1.66	1.30	1.13	1.10	1.09	1.09

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.31 M (A.D), AT 6.00 HOURS, ON MAY 18, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.60 M (A.D)
LEFT BANK ELEVATION 5.85 M (A.D)
RIGHT BANK ELEVATION 6.51 M (A.D), DRAINAGE AREA 129 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.33	0.30	0.53	0.19	0.12	0.20	4.26	1.45	2.72	0.29	0.12	0.12	
2	0.28	0.29	0.57	0.17	0.11	0.19	0.69	1.48	1.88	0.33	0.14	0.12	
3	0.26	0.41	0.67	0.17	0.10	0.18	0.44	8.90	2.06	0.33	0.13	0.12	
4	0.24	0.35	0.56	0.16	0.10	0.22	2.00	1.65	4.84	0.32	0.13	0.12	
5	0.22	0.38	0.95	0.16	0.10	0.57	2.66	1.01	1.60	0.30	0.13	0.12	
6	0.23	0.41	0.54	0.14	0.10	1.42	0.95	2.54	1.21	0.36	0.13	0.12	
7	0.21	0.42	1.09	0.15	0.10	0.41	0.79	2.72	1.07	0.33	0.13	0.11	
8	0.38	0.49	0.62	0.15	0.14	0.28	0.67	1.27	0.97	0.33	0.12	0.11	
9	0.27	1.11	0.48	0.16	2.48	0.24	0.54	0.97	0.89	0.33	0.12	0.11	
10	0.20	2.03	0.41	0.20	3.31	0.20	0.47	0.87	0.77	0.30	0.12	0.11	
11	0.17	0.91	0.36	0.21	7.15	0.20	0.63	1.50	0.71	0.29	0.11	0.11	
12	0.18	3.88	0.32	0.18	3.05	0.30	0.54	3.50	0.69	0.27	0.11	0.11	
13	0.21	3.57	0.41	0.15	0.83	0.28	1.35	1.91	0.77	0.25	0.10	0.11	
14	0.19	1.05	0.32	0.12	0.72	0.23	0.87	4.55	0.83	0.24	0.11	0.10	
15	0.17	0.72	0.35	0.15	0.81	0.33	0.60	4.51	0.83	0.23	0.10	0.10	
16	0.10	5.55	0.29	0.13	0.53	0.26	0.44	1.83	0.74	0.22	0.14	0.10	
17	0.14	4.63	0.69	0.14	0.38	0.26	0.45	1.40	0.67	0.21	0.13	0.10	
18	6.73	21.10	0.71	0.13	0.30	0.25	0.54	1.15	0.59	0.20	0.12	0.13	
19	9.70	5.15	1.05	0.12	0.28	0.26	0.41	1.80	0.54	0.18	0.12	0.12	
20	3.65	2.42	0.99	0.12	0.26	0.24	0.33	12.70	0.49	0.19	0.11	0.11	
21	0.74	1.60	0.54	0.13	0.24	0.35	0.30	6.55	0.48	0.18	0.12	0.12	
22	0.67	1.15	0.39	0.12	0.20	1.17	0.91	10.17	0.47	0.18	0.14	0.11	
23	0.59	1.15	0.30	0.39	0.20	0.36	5.15	4.03	0.45	0.18	0.12	0.12	
24	0.49	0.93	0.28	0.39	1.19	0.25	1.75	3.12	0.44	0.19	0.12	0.32	
25	0.74	0.79	0.25	0.24	0.77	0.22	12.10	6.61	0.42	0.16	0.12	0.16	
26	0.49	0.79	0.23	0.20	0.44	0.39	5.55	4.22	0.42	0.16	0.12	0.12	
27	0.41	0.81	0.22	0.18	0.32	0.36	1.21	2.36	0.39	0.15	0.12	0.12	
28	0.33	0.67	0.21	0.16	0.28	0.79	2.12	1.55	0.36	0.15	0.12	0.12	
29	0.30	0.63	0.20	0.14	0.23	0.81	5.80	1.70	0.35	0.14		0.11	
30	0.25	0.53	0.18	0.15	0.25	0.44	3.27	5.25	0.32	0.13		0.10	
31		0.53		0.12	0.22		4.18		0.30	0.13		0.09	
TOTAL	28.87	64.75	14.71	5.32	25.31	11.66	61.97	103.27	29.27	7.25	3.40	3.74	359.52 CMSDAY
MEAN	0.96	2.09	0.49	0.17	0.82	0.39	2.00	3.44	0.94	0.23	0.12	0.12	0.98 CMS
MAX	9.70	21.10	1.09	0.39	7.15	1.42	12.10	12.70	4.84	0.36	0.14	0.32	21.10 CMS
MIN	0.10	0.29	0.18	0.12	0.10	0.18	0.30	0.87	0.30	0.13	0.10	0.09	0.09 CMS
RUNOFF	2.494	5.594	1.271	0.460	2.187	1.007	5.354	8.923	2.529	0.626	0.294	0.323	31.063 MCM

MOMENTARY PEAK 32.89 CMS, AT 5.31 M (A.D), AT 6.00 HOURS, ON MAY 18, 1985

RUNOFF YIELD 7.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 255.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

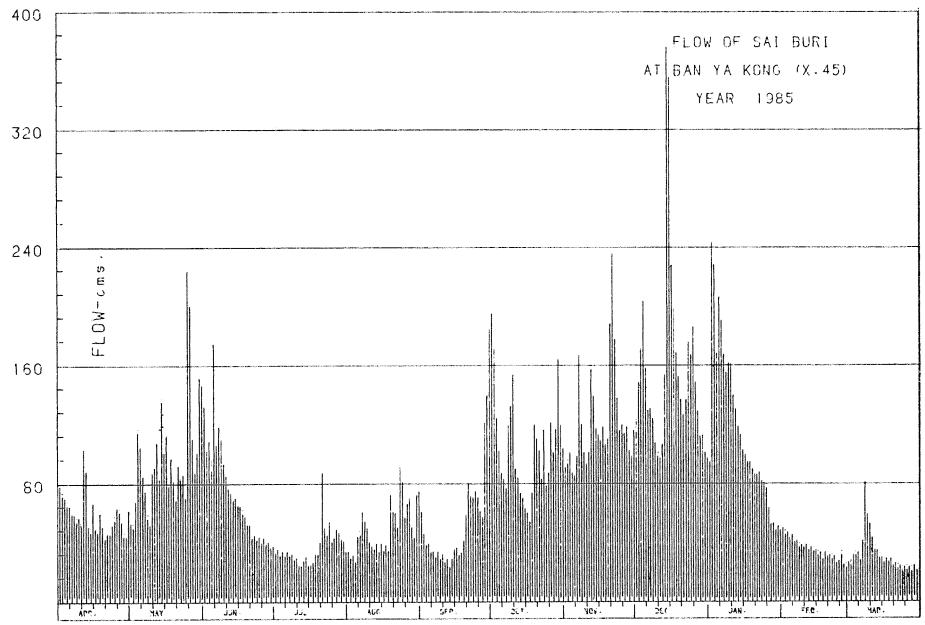
SAI BURI RIVER AT BAN YAKONG, NARATHIWAT (X.45)

LOCATION	LAT. 6-19-25 N., LONG. 100-30-31 E., ON RIGHT BANK ABOUT 7 KILOMETERS FROM AMPHOE RUSO, NARATHIWAT.
DRAINAGE AREA	1,483. SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+8.486 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	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 114 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.39	1.16	1.83	0.98	0.96	1.26	2.26	1.50	1.75	1.55	1.13	0.87	
2	1.35	1.16	1.59	0.98	0.94	1.09	2.08	1.54	1.94	2.55	1.11	0.88	
3	1.32	1.30	1.66	0.96	0.93	1.04	1.77	1.58	2.08	2.47	1.10	0.93	
4	1.30	1.70	1.54	0.96	0.91	1.02	1.59	1.49	2.31	2.06	1.08	0.96	
5	1.27	1.61	2.12	0.96	1.07	0.99	1.49	1.45	1.99	2.33	1.08	0.95	
6	1.25	1.47	1.62	0.96	1.11	0.96	1.43	1.58	1.81	2.21	1.06	0.92	
7	1.22	1.36	1.73	0.96	1.24	0.95	1.40	2.05	1.80	2.07	1.04	1.04	
8	1.20	1.22	1.65	0.94	1.20	0.96	1.72	1.74	1.77	1.97	1.02	1.43	
9	1.20	1.15	1.54	0.93	1.13	0.94	1.83	1.58	1.63	2.03	1.01	1.22	
10	1.18	1.49	1.45	0.91	1.06	0.94	1.96	1.54	1.58	2.01	1.02	1.18	
11	1.60	1.50	1.40	0.88	1.00	0.91	1.51	1.58	1.55	1.88	1.01	1.06	
12	1.50	1.65	1.35	0.84	1.01	0.90	1.44	2.00	1.64	1.80	1.00	1.00	
13	1.14	1.43	1.33	0.92	1.02	0.87	1.37	1.86	1.96	1.73	0.99	0.97	
14	1.13	1.85	1.32	0.92	0.99	0.90	1.32	1.72	3.32	1.67	0.99	0.94	
15	1.29	1.58	1.30	0.88	1.02	1.01	1.28	1.67	3.20	1.61	0.97	0.91	
16	1.15	1.68	1.27	0.85	1.00	0.99	1.23	1.66	2.46	1.57	0.96	0.90	
17	1.10	1.39	1.25	0.91	1.01	0.97	1.20	1.71	2.26	1.55	0.95	0.90	
18	1.25	1.57	1.21	0.94	1.00	0.95	1.35	1.64	2.08	1.53	0.93	0.91	
19	1.14	1.42	1.18	0.97	1.34	1.07	1.74	1.65	1.95	1.51	0.95	0.90	
20	1.08	1.33	1.15	1.03	1.26	1.22	1.65	2.21	1.86	1.46	0.95	0.88	
21	1.09	1.51	1.09	1.49	1.23	1.43	1.61	2.50	1.77	1.48	0.93	0.86	
22	1.12	1.45	1.08	1.13	1.16	1.33	1.43	2.14	1.86	1.47	0.93	0.85	
23	1.15	1.46	1.08	1.11	1.50	1.35	1.71	1.85	2.11	1.44	0.92	0.84	
24	1.21	1.34	1.07	1.17	1.44	1.36	1.39	1.71	2.07	1.41	0.90	0.83	
25	1.26	2.43	1.06	1.06	1.20	1.35	1.49	1.72	2.18	1.40	0.88	0.83	
26	1.26	2.29	1.06	1.06	1.31	1.24	1.73	1.70	1.94	1.26	0.96	0.84	
27	1.17	1.65	1.05	1.15	1.32	1.23	1.60	1.71	1.79	1.18	0.85	0.83	
28	1.10	1.49	1.03	1.10	1.16	1.73	1.70	1.61	1.68	1.16	0.86	0.83	
29	1.07	1.58	1.02	1.08	1.06	1.88	2.05	1.56	1.67	1.14		0.84	
30	1.27	1.96	1.00	1.04	1.36	2.17	1.72	1.71	1.60	1.14		0.84	
31		1.91		0.99	1.36		1.62		1.55	1.14		0.85	
MEAN	1.23	1.55	1.33	1.00	1.14	1.17	1.60	1.73	1.97	1.67	0.99	0.94	
MAX	1.60	2.43	2.12	1.49	1.50	2.17	2.26	2.50	3.32	2.55	1.13	1.43	3.32
MIN	1.07	1.15	1.00	0.84	0.91	0.87	1.20	1.45	1.55	1.14	0.85	0.83	0.83

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.90 M (A.D), AT 16.00 HOURS, ON DEC 14, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -2.57 M (A.D)
LEFT BANK ELEVATION 7.47 M (A.D)
RIGHT BANK ELEVATION 8.44 M (A.D), DRAINAGE AREA 1483 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	78.35	53.00	134.85	35.80	34.10	63.60	198.00	91.00	123.75	97.25	50.00	26.60	
2	73.75	53.00	102.25	35.80	32.40	46.05	171.10	96.00	150.80	243.75	48.00	27.40	
3	70.30	68.00	111.60	34.10	31.55	41.30	126.45	101.00	171.10	230.70	47.00	31.55	
4	68.00	117.00	96.00	34.10	29.85	39.40	102.25	89.85	205.55	168.20	45.10	34.10	
5	64.70	104.85	177.00	34.10	44.15	36.65	89.85	85.25	158.05	208.65	45.10	33.25	
6	62.50	87.55	106.20	34.10	48.00	34.10	82.95	101.00	131.95	190.50	43.20	30.70	
7	59.20	74.90	121.05	34.10	61.40	33.25	79.50	166.75	130.50	169.65	41.30	41.30	
8	57.00	59.20	110.25	32.40	57.00	34.10	119.70	122.40	126.45	155.15	39.40	82.95	
9	57.00	52.00	96.00	31.55	50.00	32.40	134.85	101.00	107.55	163.85	38.45	59.20	
10	55.00	89.85	85.25	29.85	43.20	32.40	153.70	96.00	101.00	160.95	39.40	55.00	
11	103.50	91.00	79.50	27.40	37.50	29.85	92.25	101.00	97.25	142.10	38.45	43.20	
12	91.00	110.25	73.75	24.20	38.45	29.00	84.10	159.50	108.90	130.50	37.50	37.50	
13	51.00	82.95	71.45	30.70	39.40	26.60	76.05	139.20	153.70	121.05	36.65	34.95	
14	50.00	137.75	70.30	30.70	36.65	29.00	70.30	119.70	377.80	112.95	36.65	32.40	
15	66.90	101.00	68.00	27.40	39.40	38.45	65.80	112.95	355.50	104.85	34.95	29.85	
16	52.00	114.30	64.70	25.00	37.50	36.65	60.30	111.60	229.10	99.75	34.10	29.00	
17	47.00	78.35	62.50	29.85	38.45	34.95	57.00	118.35	198.00	97.25	33.25	29.00	
18	62.50	99.75	58.10	32.40	37.50	33.25	73.75	108.90	171.10	94.75	31.55	29.85	
19	51.00	81.80	55.00	34.95	72.60	44.15	122.40	110.25	152.25	92.25	33.25	29.00	
20	45.10	71.45	52.00	40.35	63.60	59.20	110.25	190.50	139.20	86.40	33.25	27.40	
21	46.05	92.25	46.05	89.85	60.30	82.95	104.85	235.50	126.45	88.70	31.55	25.80	
22	49.00	85.25	45.10	50.00	53.00	71.45	82.95	180.00	139.20	87.55	31.55	25.00	
23	52.00	86.40	45.10	48.00	91.00	73.75	118.35	137.75	175.50	84.10	30.70	24.20	
24	58.10	72.60	44.15	54.00	84.10	74.90	78.35	118.35	169.65	80.65	29.00	23.40	
25	63.60	224.30	43.20	43.20	57.00	73.75	89.85	119.70	186.00	79.50	27.40	23.40	
26	63.60	202.50	43.20	43.20	69.15	61.40	121.05	117.00	150.80	63.60	34.10	24.20	
27	54.00	110.25	42.25	52.00	70.30	60.30	103.50	118.35	129.15	55.00	25.00	23.40	
28	47.00	89.85	40.35	47.00	53.00	121.05	117.00	104.85	114.30	53.00	25.80	23.40	
29	44.15	101.00	39.40	45.10	43.20	142.10	166.75	98.50	112.95	51.00		24.20	
30	64.70	153.70	37.50	41.30	74.90	184.50	119.70	118.35	103.50	51.00		24.20	
31		146.45		36.65	74.90		106.20		97.25	51.00		25.00	
TOTAL	1808.00	3092.50	2222.05	1189.15	1603.55	1700.50	3279.10	3670.55	4894.25	3615.60	1021.65	1010.40	29107.30 CMSDAY
MEAN	60.27	99.76	74.07	38.36	51.73	56.68	105.78	122.35	157.88	116.63	36.49	32.59	79.75 CMS
MAX	103.50	224.30	177.00	89.85	91.00	184.50	198.00	235.50	377.80	243.75	50.00	82.95	377.80 CMS
MIN	44.15	52.00	37.50	24.20	29.85	26.60	57.00	85.25	97.25	51.00	25.00	23.40	23.40 CMS
RUNOFF	156.211	267.192	191.985	102.743	138.547	146.923	283.314	317.136	422.863	312.388	88.271	87.299	2514.871 MCM

MOMENTARY PEAK 490.00 CMS, AT 3.90 M (A.D), AT 16.00 HOURS, ON DEC 14, 1985

RUNOFF YIELD 53.77 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 330.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

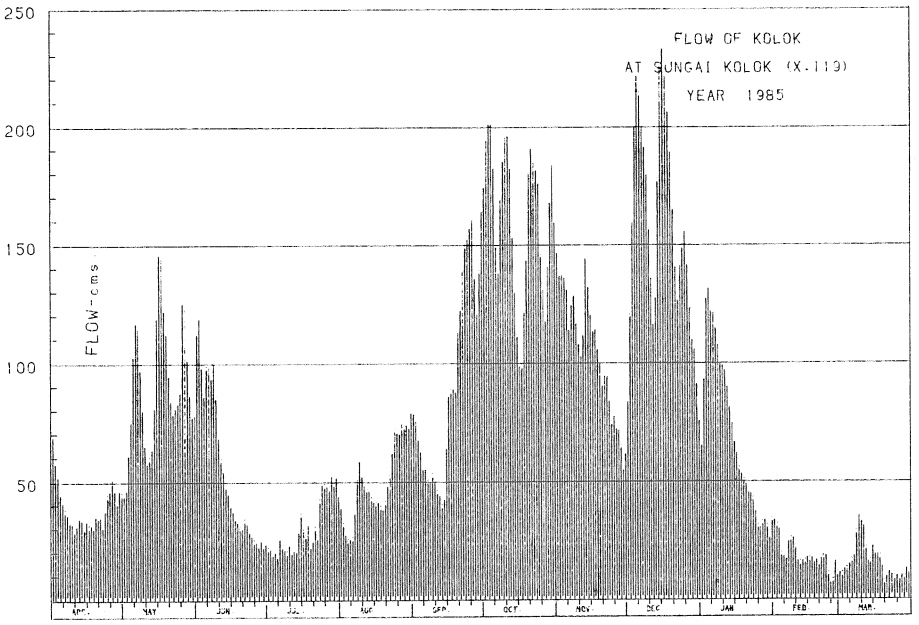
KOLOK RIVER AT SUNGAI KOLOK, NARATHIWAT (X.119)

LOCATION	LAT. 6-04-09 N., LONG. 102-02-22 E., ON LEFT BANK NEAR THE MUNO SCHOOL, TAMBON MUNO, AMPHOE SUNGAI KOLOK, NARATHIWAT.
DRAINAGE AREA	1,600 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE TOP STAFF GAGE.
ELEVATION	+5.546 M.(M.S.L.)
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	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 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 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.56	2.00	3.41	1.41	1.87	2.79	4.40	3.96	2.85	2.51	1.74	1.04	
2	2.36	2.10	3.50	1.38	1.72	2.69	4.66	3.82	3.53	3.04	1.70	1.05	
3	2.20	2.40	3.17	1.35	1.58	2.56	4.78	3.80	4.16	3.66	1.64	1.09	
4	2.05	2.71	2.90	1.33	1.53	2.43	4.76	3.81	4.76	3.71	1.33	1.12	
5	1.93	3.23	3.16	1.32	1.52	2.31	4.51	3.70	5.03	3.57	1.27	1.16	
6	1.86	3.49	3.15	1.52	1.56	2.28	4.00	3.44	4.94	3.54	1.29	1.24	
7	1.80	3.43	3.08	1.45	1.81	2.17	3.84	3.59	4.74	3.45	1.48	1.28	
8	1.75	3.15	3.18	1.37	2.17	2.14	4.30	3.68	4.64	3.31	1.55	1.63	
9	1.70	2.78	2.91	1.36	2.35	2.24	4.55	3.46	4.45	3.20	1.53	1.78	
10	1.66	2.51	2.55	1.43	2.24	2.15	4.68	3.34	4.13	3.16	1.43	1.76	
11	1.68	2.33	2.38	1.37	2.11	2.06	4.71	3.23	3.78	3.15	1.21	1.67	
12	1.80	2.39	2.25	1.36	2.08	2.00	4.49	3.40	3.48	2.98	1.21	1.41	
13	1.74	2.45	2.12	1.41	2.05	1.91	4.09	3.92	3.64	2.83	1.21	1.20	
14	1.68	2.83	2.02	1.61	1.99	1.96	3.68	3.74	4.43	2.67	1.23	1.23	
15	1.73	3.50	1.92	1.82	1.93	2.49	3.39	3.52	5.08	2.54	1.26	1.41	
16	1.70	3.97	1.83	1.66	1.94	2.90	3.15	3.43	5.20	2.42	1.26	1.35	
17	1.69	3.93	1.79	1.59	1.93	2.96	3.17	3.42	5.03	2.30	1.25	1.30	
18	1.70	3.58	1.72	1.69	1.90	2.96	3.54	3.30	4.85	2.23	1.23	1.29	
19	1.78	3.39	1.68	1.45	1.85	2.97	3.93	3.18	4.59	2.18	1.22	1.13	
20	1.80	3.10	1.65	1.49	1.95	3.40	4.46	3.01	4.26	2.12	1.20	0.92	
21	1.77	2.86	1.76	1.68	2.10	3.58	4.63	3.07	3.86	2.07	1.24	0.98	
22	1.70	2.78	1.70	1.52	2.23	3.83	4.53	3.09	3.65	2.02	1.29	1.11	
23	1.84	2.80	1.65	1.97	2.42	4.02	4.50	2.86	3.87	1.98	1.28	1.01	
24	2.02	2.87	1.56	2.12	2.63	4.06	4.40	2.69	4.02	1.83	1.05	1.00	
25	2.05	2.93	1.52	2.13	2.59	4.15	3.95	2.73	4.11	1.69	0.87	0.99	
26	2.17	3.63	1.48	2.10	2.62	4.18	3.70	2.65	3.90	1.66	0.95	1.00	
27	2.05	3.60	1.47	2.10	2.67	3.80	3.50	2.61	3.57	1.73	1.20	1.00	
28	1.95	3.23	1.50	2.21	2.66	3.53	3.86	2.49	3.37	1.74	1.06	1.01	
29	2.05	2.91	1.46	2.14	2.66	3.84	4.30	2.27	3.28	1.69		1.10	
30	2.04	2.75	1.45	2.19	2.67	4.23	4.51	2.44	3.03	1.53		1.09	
31		2.74		2.03	2.76		4.18		2.69	1.76		0.78	
MEAN	1.89	2.98	2.20	1.66	2.13	2.95	4.17	3.26	4.09	2.52	1.29	1.20	
MAX	2.56	3.97	3.50	2.21	2.76	4.23	4.78	3.96	5.20	3.71	1.74	1.78	5.20
MIN	1.66	2.00	1.45	1.32	1.52	1.91	3.15	2.27	2.69	1.53	0.87	0.78	0.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.22 M (MSL), AT 6.00 HOURS, ON DEC 16, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED -1.34 M.(MSL)
LEFT BANK ELEVATION 5.27 M (MSL)
RIGHT BANK ELEVATION 5.82 M (MSL), DRAINAGE AREA 1600 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	69.00	44.00	113.60	22.30	38.80	80.50	176.00	146.60	83.50	66.50	33.60	11.20	
2	59.00	48.00	119.00	21.40	32.80	75.50	194.20	138.20	120.80	93.00	32.00	11.50	
3	52.00	61.00	99.50	20.50	27.40	69.00	202.60	137.00	159.20	128.60	29.60	12.70	
4	46.00	76.50	86.00	19.90	25.90	62.50	201.20	137.60	201.20	131.60	19.90	13.60	
5	41.20	102.80	99.00	19.60	25.60	56.50	183.70	131.00	221.48	123.20	18.10	14.80	
6	38.40	118.40	98.50	25.60	26.80	55.20	149.00	115.40	214.64	121.40	18.70	17.20	
7	36.00	114.80	95.00	23.50	36.40	50.80	139.40	124.40	199.80	116.00	24.40	18.40	
8	34.00	98.50	100.00	21.10	50.80	49.60	169.00	129.80	192.80	107.60	26.50	29.20	
9	32.00	80.00	86.50	20.80	58.50	53.60	186.50	116.60	179.50	101.00	25.90	35.20	
10	30.40	66.50	68.50	22.90	53.60	50.00	195.60	109.40	157.10	99.00	22.90	34.40	
11	31.20	57.50	60.00	21.10	48.40	46.40	197.70	102.80	135.80	98.50	16.30	30.80	
12	36.00	60.50	54.00	20.80	47.20	44.00	182.30	113.00	117.80	90.00	16.30	22.30	
13	33.60	63.50	48.80	22.30	46.00	40.40	154.40	144.20	127.40	82.50	16.30	16.00	
14	31.20	82.50	44.80	28.40	43.60	42.40	129.80	133.40	178.10	74.50	16.90	16.90	
15	33.20	119.00	40.80	36.80	41.20	65.50	112.40	120.20	225.28	68.00	17.80	22.30	
16	32.00	147.20	37.20	30.40	41.60	86.00	98.50	114.80	234.40	62.00	17.80	20.50	
17	31.60	144.80	35.60	27.70	41.20	89.00	99.50	114.20	221.48	56.00	17.50	19.00	
18	32.00	123.80	32.80	31.60	40.00	89.00	121.40	107.00	207.80	53.20	16.90	18.70	
19	35.20	112.40	31.20	23.50	38.00	89.50	144.80	100.00	189.30	51.20	16.60	13.90	
20	36.00	96.00	30.00	24.70	42.00	113.00	180.20	91.50	166.20	48.80	16.00	8.00	
21	34.80	84.00	34.40	31.20	48.00	123.80	192.10	94.50	140.60	46.80	17.20	9.50	
22	32.00	80.00	32.00	25.60	53.20	138.80	185.10	95.50	128.00	44.80	18.70	13.30	
23	37.60	81.00	30.00	42.80	62.00	150.20	183.00	84.00	141.20	43.20	18.40	10.30	
24	44.80	84.50	26.80	48.80	72.50	152.60	176.00	75.50	150.20	37.20	11.50	10.00	
25	46.00	87.50	25.60	49.20	70.50	158.50	146.00	77.50	155.70	31.60	6.75	9.75	
26	50.80	126.80	24.40	48.00	72.00	160.60	131.00	73.50	143.00	30.40	8.75	10.00	
27	46.00	125.00	24.10	48.00	74.50	137.00	119.00	71.50	123.20	33.20	16.00	10.00	
28	42.00	102.80	25.00	52.40	74.00	120.80	140.60	65.50	111.20	33.60	11.80	10.30	
29	46.00	86.50	23.80	49.60	74.00	139.40	169.00	54.80	105.80	31.60		13.00	
30	45.60	78.50	23.50	51.60	74.50	164.10	183.70	63.00	92.50	25.90		12.70	
31		78.00		45.20	79.00		160.60		75.50	34.40		4.50	
TOTAL	1195.60	2832.30	1650.40	977.30	1560.00	2754.20	5004.30	3182.40	4900.48	2165.30	529.10	499.95	27251.33 CMSDAY
MEAN	39.85	91.36	55.01	31.53	50.32	91.81	161.43	106.08	158.08	69.85	18.90	16.13	74.66 CMS
MAX	69.00	147.20	119.00	52.40	79.00	164.10	202.60	146.60	234.40	131.60	33.60	35.20	234.40 CMS
MIN	30.40	44.00	23.50	19.60	25.60	40.40	98.50	54.80	75.50	25.90	6.75	4.50	4.50 CMS
RUNOFF	103.300	244.711	142.595	84.439	134.784	237.963	432.372	274.959	423.402	187.082	45.714	43.196	2354.515 MCM

MOMENTARY PEAK 235.92 CMS, AT 5.22 M (MSL), AT 6.00 HOURS, ON DEC 16, 1985

RUNOFF YIELD 46.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 147.45 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

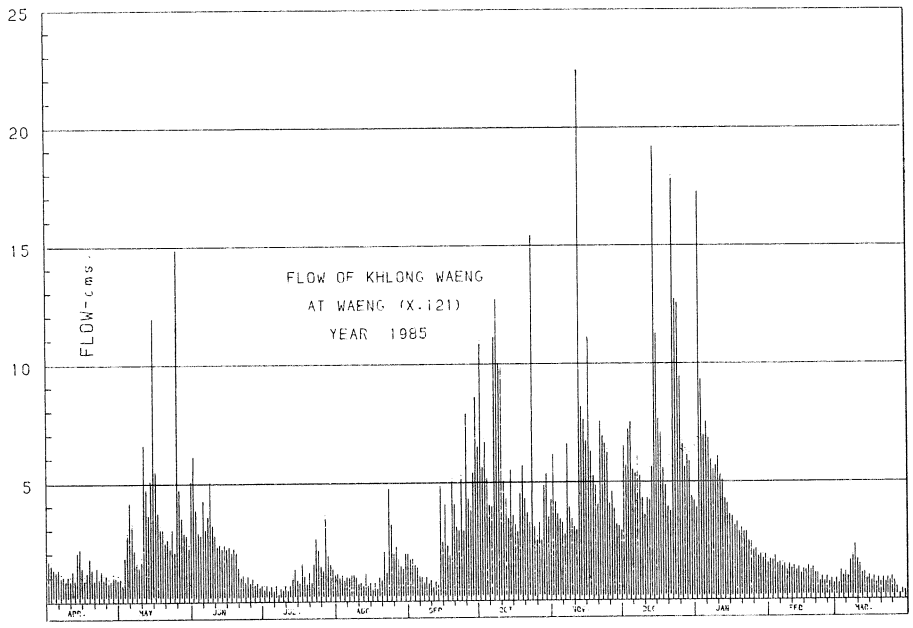
KHLONG WAENG AT WAENG, NARATHIWAT (X.121)

LOCATION	LAT. 5-55-26 N., LONG. 101-53-14 E., ON RIGHT BANK AT THE BRIDGE OF SUNGAI KOLOK -MALASIA HIGHWAY, AMPHOE WAENG, NARATHIWAT.
DRAINAGE AREA	43 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+15.853 M.(M.S.L.)
BENCH MARK	B.M-H.D.
LOCATION	ON RIGHT BANK AT ABUTMENT OF THE BRIDGE.
ELEVATION	+20.347 M.(M.S.L.)
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	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +19.76 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	17.57	17.45	18.05	17.39	17.49	17.60	18.41	18.04	18.07	17.85	17.57	17.43	
2	17.57	17.43	17.83	17.39	17.49	17.58	17.99	17.87	18.01	17.80	17.59	17.43	
3	17.52	17.59	17.74	17.38	17.48	17.57	18.10	17.81	18.13	18.30	17.59	17.50	
4	17.53	17.72	17.71	17.38	17.47	17.53	17.95	17.81	18.17	18.11	17.57	17.49	
5	17.52	17.86	17.88	17.38	17.46	17.50	17.86	17.77	17.98	18.17	17.55	17.49	
6	17.49	17.77	17.74	17.39	17.49	17.46	17.84	17.73	17.98	18.10	17.55	17.49	
7	17.47	17.63	17.82	17.34	17.48	17.45	18.43	18.08	18.08	18.03	17.54	17.56	
8	17.47	17.57	17.94	17.36	17.51	17.46	18.53	17.85	17.97	17.98	17.53	17.61	
9	17.47	17.53	17.78	17.39	17.46	17.44	18.35	17.79	17.87	18.01	17.54	17.65	
10	17.47	17.59	17.71	17.39	17.44	17.43	18.33	17.77	17.82	18.03	17.54	17.59	
11	17.51	18.08	17.67	17.39	17.41	17.41	17.95	17.73	17.87	17.97	17.53	17.54	
12	17.47	17.92	17.66	17.39	17.42	17.42	17.87	19.10	17.88	17.94	17.53	17.51	
13	17.62	17.81	17.66	17.48	17.49	17.43	17.81	18.21	17.99	17.88	17.52	17.49	
14	17.66	17.95	17.66	17.52	17.42	17.92	17.98	18.18	18.92	17.85	17.51	17.47	
15	17.53	18.48	17.66	17.47	17.41	17.69	17.82	18.09	18.43	17.82	17.51	17.46	
16	17.47	17.99	17.65	17.41	17.39	17.85	17.76	18.43	18.18	17.80	17.53	17.45	
17	17.50	17.82	17.64	17.57	17.41	17.67	17.75	18.05	18.12	17.77	17.53	17.45	
18	17.61	17.76	17.64	17.47	17.40	17.60	17.89	17.97	18.00	17.77	17.53	17.43	
19	17.52	17.74	17.64	17.44	17.46	17.95	18.01	17.92	17.92	17.74	17.52	17.44	
20	17.47	17.69	17.53	17.50	17.47	17.85	17.87	17.86	17.85	17.74	17.51	17.44	
21	17.53	17.69	17.49	17.45	17.62	17.77	17.83	18.16	17.82	17.74	17.48	17.44	
22	17.48	17.66	17.48	17.55	17.52	17.73	17.77	18.12	18.84	17.72	17.45	17.44	
23	17.51	17.74	17.46	17.71	17.91	17.96	18.70	18.08	18.53	17.69	17.45	17.44	
24	17.48	17.64	17.47	17.63	17.78	17.73	17.75	18.06	18.53	17.67	17.45	17.45	
25	17.48	18.66	17.45	17.56	17.61	18.20	17.70	17.85	18.30	17.64	17.45	17.45	
26	17.45	17.92	17.45	17.51	17.67	17.87	17.77	17.91	18.09	17.63	17.44	17.45	
27	17.43	17.80	17.43	17.81	17.58	17.84	17.70	17.83	17.99	17.61	17.43	17.35	
28	17.49	17.74	17.41	17.60	17.56	17.97	17.92	17.78	18.05	17.60	17.43	17.33	
29	17.46	17.71	17.41	17.57	17.52	18.25	17.98	17.75	18.01	17.60		17.33	
30	17.48	17.66	17.39	17.52	17.63	18.07	17.80	17.75	17.89	17.60		17.36	
31		17.94		17.51	17.61		17.88		17.86	17.57		17.37	
MEAN	17.51	17.79	17.64	17.48	17.52	17.71	17.98	17.98	18.10	17.87	17.52	17.47	
MAX	17.66	18.66	18.05	17.81	17.91	18.25	18.70	19.10	18.92	18.80	17.59	17.65	19.10
MIN	17.43	17.43	17.39	17.34	17.39	17.41	17.70	17.73	17.82	17.57	17.43	17.33	17.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 19.89 M (MSL), AT 6.00 HOURS, ON NOV 12, 1985
ZERO GAGE AT BOTTOM ELEVATION 15.85 M (MSL), RIVER BED 16.89 M (MSL)
LEFT BANK ELEVATION 19.75 M (MSL)
RIGHT BANK ELEVATION 20.48 M (MSL), DRAINAGE AREA 43 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.71	0.96	6.28	0.67	1.17	1.92	10.98	6.17	6.50	4.08	1.71	0.87	
2	1.71	0.87	3.86	0.67	1.17	1.78	5.62	4.30	5.84	17.25	1.85	0.87	
3	1.36	1.85	3.04	0.63	1.11	1.71	6.84	3.64	7.20	9.44	1.85	1.22	
4	1.43	2.88	2.80	0.63	1.06	1.43	5.18	3.64	7.68	6.96	1.71	1.17	
5	1.36	4.19	4.41	0.63	1.01	1.22	4.19	3.28	5.51	7.68	1.57	1.17	
6	1.17	3.28	3.04	0.67	1.17	1.01	3.97	2.96	5.51	6.84	1.57	1.17	
7	1.06	2.16	3.75	0.47	1.11	0.96	11.26	6.61	6.61	6.06	1.50	1.64	
8	1.06	1.71	5.07	0.55	1.29	1.01	12.73	4.08	5.40	5.51	1.43	2.00	
9	1.06	1.43	3.36	0.67	1.01	0.91	10.14	3.44	4.30	5.84	1.50	2.32	
10	1.06	1.85	2.80	0.67	0.91	0.87	9.86	3.28	3.75	6.06	1.50	1.85	
11	1.29	6.61	2.48	0.67	0.77	0.77	5.18	2.96	4.30	5.40	1.43	1.50	
12	1.06	4.85	2.40	0.67	0.82	0.82	4.30	22.55	4.41	5.07	1.43	1.29	
13	2.08	3.64	2.40	1.11	1.17	0.87	3.64	8.18	5.62	4.41	1.36	1.17	
14	2.40	5.18	2.40	1.36	0.82	4.85	5.51	7.80	19.31	4.08	1.29	1.06	
15	1.43	11.96	2.40	1.06	0.77	2.64	3.75	6.72	11.26	3.75	1.29	1.01	
16	1.06	5.62	2.32	0.77	0.67	4.08	3.20	11.26	7.80	3.53	1.43	0.96	
17	1.22	3.75	2.24	1.71	0.77	2.48	3.12	6.28	7.08	3.28	1.43	0.96	
18	2.00	3.20	2.24	1.06	0.72	1.92	4.52	5.40	5.73	3.28	1.43	0.87	
19	1.36	3.04	2.24	0.91	1.01	5.18	5.84	4.85	4.85	3.04	1.36	0.91	
20	1.06	2.64	1.43	1.22	1.06	4.08	4.30	4.19	4.08	3.04	1.29	0.91	
21	1.43	2.64	1.17	0.96	2.08	3.28	3.86	7.56	3.75	3.04	1.11	0.91	
22	1.11	2.40	1.11	1.57	1.36	2.96	3.28	7.08	17.93	2.88	0.96	0.91	
23	1.29	3.04	1.01	2.80	4.74	5.29	15.55	6.61	12.73	2.64	0.96	0.91	
24	1.11	2.24	1.06	2.16	3.36	2.96	3.12	6.39	12.73	2.48	0.96	0.96	
25	1.11	14.87	0.96	1.64	2.00	8.04	2.72	4.08	9.44	2.24	0.96	0.96	
26	0.96	4.85	0.96	1.29	2.48	4.30	3.28	4.74	6.72	2.16	0.91	0.96	
27	0.87	3.53	0.87	3.64	1.78	3.97	2.72	3.86	5.62	2.00	0.87	0.51	
28	1.17	3.04	0.77	1.92	1.64	5.40	4.85	3.36	6.28	1.92	0.87	0.43	
29	1.01	2.80	0.77	1.71	1.36	8.74	5.51	3.12	5.84	1.92		0.43	
30	1.11	2.40	0.67	1.36	2.16	6.50	3.53	3.12	4.52	1.92		0.55	
31		5.07		1.29	2.00		4.41		4.19	1.71		0.59	
TOTAL	39.11	118.55	70.31	37.14	44.55	91.95	176.96	171.51	222.49	139.51	37.53	33.04	1182.65 CMSDAY
MEAN	1.30	3.82	2.34	1.20	1.44	3.07	5.71	5.72	7.18	4.50	1.34	1.07	3.24 CMS
MAX	2.40	14.87	6.28	3.64	4.74	8.74	15.55	22.55	19.31	17.25	1.85	2.32	22.55 CMS
MIN	0.87	0.87	0.67	0.47	0.67	0.77	2.72	2.96	3.75	1.71	0.87	0.43	0.43 CMS
RUNOFF	3.379	10.243	6.075	3.209	3.849	7.944	15.289	14.818	19.223	12.054	3.243	2.855	102.181 MCM

MOMENTARY PEAK 37.86 CMS, AT 19.89 M (MSL), AT 6.00 HOURS, ON NOV 12, 1985
RUNOFF YIELD 75.35 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 880.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

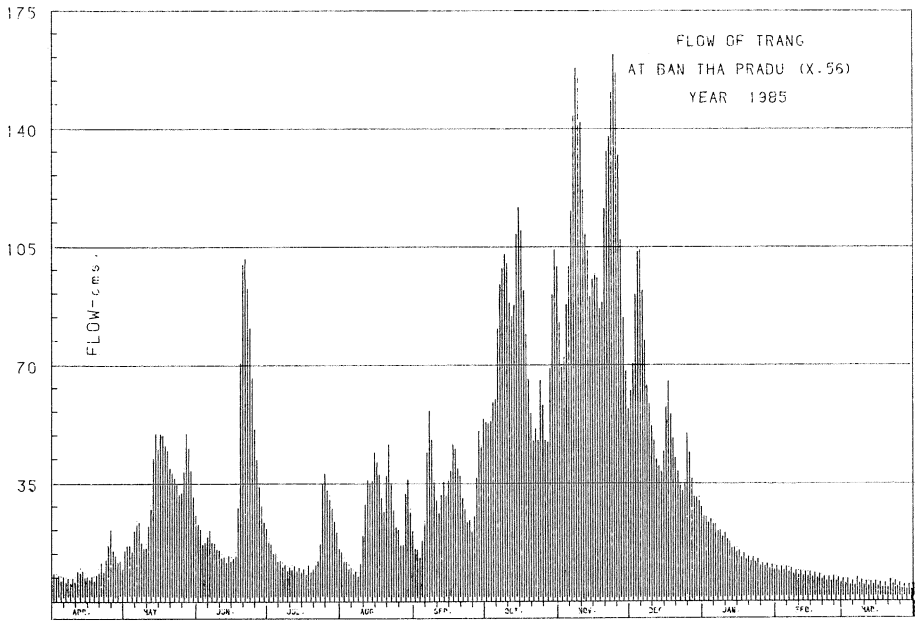
TRANG RIVER AT BAN THA PRADU, TRANG (X.56)

LOCATION	LAT. 7-46-01 N., LONG. 99-32-25 E., ON LEFT BANK ABOUT 200 METERS FROM HUAI YOT-KRABI HIGHWAY, AND ABOUT 16 KILOMETERS FROM AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	1,801 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.690 M. (A.D.)
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	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966-1969, 1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1969, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 78 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.37	1.80	2.28	2.01	1.78	1.90	3.68	4.79	4.03	2.39	1.51	1.25	
2	1.36	1.96	2.15	1.91	1.68	1.82	3.61	4.34	4.38	2.33	1.50	1.24	
3	1.33	1.89	1.97	1.82	1.61	1.75	3.69	4.42	5.07	2.30	1.50	1.25	
4	1.31	1.86	1.94	1.76	1.55	1.97	3.88	5.00	5.51	2.30	1.51	1.21	
5	1.30	2.12	2.09	1.69	1.49	2.27	3.97	5.34	5.50	2.28	1.50	1.20	
6	1.28	2.28	2.13	1.63	1.45	3.24	4.73	5.86	5.14	2.22	1.48	1.20	
7	1.27	2.25	2.00	1.59	1.41	3.82	5.20	6.49	4.60	2.17	1.47	1.28	
8	1.26	2.00	1.93	1.55	1.40	3.40	5.32	6.72	4.13	2.13	1.44	1.24	
9	1.27	1.84	1.90	1.52	1.57	2.89	5.49	6.67	3.86	2.09	1.42	1.22	
10	1.29	1.92	1.81	1.50	2.11	2.58	5.37	6.47	3.62	2.09	1.41	1.20	
11	1.41	2.20	1.74	1.54	2.52	2.45	5.02	6.01	3.39	2.05	1.41	1.19	
12	1.48	2.51	1.69	1.53	2.92	2.65	4.85	5.67	3.19	1.95	1.40	1.18	
13	1.42	3.16	1.67	1.51	2.80	2.89	5.00	5.49	3.05	1.91	1.39	1.18	
14	1.38	3.53	1.71	1.49	2.91	2.64	5.64	5.08	3.03	1.85	1.39	1.22	
15	1.30	3.28	1.69	1.49	3.24	2.91	5.89	5.22	3.25	1.84	1.39	1.19	
16	1.34	3.53	1.66	1.46	3.16	2.99	5.67	5.29	3.85	1.80	1.38	1.18	
17	1.31	3.46	1.78	1.44	2.94	3.38	5.14	5.23	4.14	1.75	1.37	1.16	
18	1.31	3.38	2.47	1.54	2.67	3.29	4.67	4.96	3.77	1.75	1.36	1.15	
19	1.33	3.26	4.39	1.49	2.41	3.07	4.20	4.99	3.42	1.72	1.35	1.15	
20	1.48	3.08	5.36	1.46	2.97	2.92	3.74	5.88	3.21	1.69	1.33	1.15	
21	1.59	2.96	5.45	1.63	3.34	2.66	3.43	6.28	2.98	1.68	1.30	1.23	
22	1.49	2.95	5.13	1.62	2.86	2.45	3.54	6.39	2.83	1.68	1.29	1.23	
23	1.65	2.80	4.77	1.98	2.43	2.31	3.44	6.61	2.71	1.67	1.29	1.20	
24	1.96	2.71	4.18	2.80	2.24	2.28	4.15	6.77	2.86	1.65	1.29	1.17	
25	2.14	2.68	3.58	3.01	2.14	2.17	3.89	6.69	3.48	1.60	1.30	1.15	
26	1.87	3.03	3.14	2.72	1.96	2.34	3.39	6.28	3.28	1.57	1.29	1.13	
27	1.71	3.48	2.82	2.64	1.90	2.94	3.42	5.59	2.88	1.59	1.27	1.11	
28	1.67	3.34	2.50	2.46	2.72	3.51	4.29	4.87	2.67	1.56	1.26	1.11	
29	1.62	2.99	2.31	2.32	2.87	3.35	5.10	4.26	2.61	1.55		1.11	
30	1.55	2.68	2.16	2.10	2.45	3.67	5.50	3.84	2.62	1.54		1.11	
31		2.36		1.90	2.12		5.37		2.48	1.52		1.13	
MEAN	1.47	2.69	2.68	1.84	2.31	2.75	4.53	5.58	3.60	1.88	1.39	1.18	
MAX	2.14	3.53	5.45	3.01	3.34	3.82	5.89	6.77	5.51	2.39	1.51	1.28	6.77
MIN	1.26	1.80	1.66	1.44	1.40	1.75	3.39	3.84	2.48	1.52	1.26	1.11	1.11

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.78 M (A.D), AT 15.00 HOURS, ON NOV 24, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.23 M (A.D)
LEFT BANK ELEVATION 11.74 M (A.D)
RIGHT BANK ELEVATION 11.81 M (A.D), DRAINAGE AREA 1801 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.38	15.10	24.00	18.79	14.76	16.80	54.34	82.61	62.45	26.20	10.35	6.70	
2	8.24	17.88	21.45	16.98	13.06	15.44	52.73	70.34	71.38	25.00	10.20	6.56	
3	7.82	16.63	18.06	15.44	11.87	14.25	54.57	72.44	91.00	24.40	10.20	6.70	
4	7.54	16.12	17.52	14.42	10.95	18.06	58.94	88.90	104.52	24.40	10.35	6.14	
5	7.40	20.88	20.31	13.23	10.06	23.80	61.01	99.24	104.20	24.00	10.20	6.00	
6	7.12	24.00	21.07	12.21	9.50	44.22	80.87	116.56	93.10	22.80	9.92	6.00	
7	6.98	23.40	18.60	11.55	8.94	57.56	94.90	143.97	77.30	21.83	9.78	7.12	
8	6.84	18.60	17.34	10.95	8.80	47.90	98.62	159.10	64.95	21.07	9.36	6.56	
9	6.98	15.78	16.80	10.50	11.25	36.59	103.89	155.25	58.48	20.31	9.08	6.28	
10	7.26	17.16	15.27	10.20	20.69	30.08	100.17	142.91	52.96	20.31	8.94	6.00	
11	8.94	22.40	14.08	10.80	28.82	27.40	89.50	121.99	47.67	19.55	8.94	5.88	
12	9.92	28.61	13.23	10.65	37.22	31.55	84.40	109.85	43.08	17.70	8.80	5.76	
13	9.08	42.42	12.89	10.35	34.70	36.59	88.90	103.89	40.00	16.98	8.66	5.76	
14	8.52	50.89	13.57	10.06	37.01	31.34	108.80	91.30	39.56	15.95	8.66	6.28	
15	7.40	45.14	13.23	10.06	44.22	37.01	117.64	95.52	44.45	15.78	8.66	5.88	
16	7.96	50.89	12.72	9.64	42.42	38.69	109.85	97.69	58.25	15.10	8.52	5.76	
17	7.54	49.28	14.76	9.36	37.64	47.44	93.10	95.83	65.20	14.25	8.38	5.52	
18	7.54	47.44	27.80	10.80	31.97	45.37	79.19	87.70	56.41	14.25	8.24	5.40	
19	7.82	44.68	71.64	10.06	26.60	40.44	66.70	88.60	48.36	13.74	8.10	5.40	
20	9.92	40.66	99.86	9.64	38.27	37.22	55.72	117.28	43.53	13.23	7.82	5.40	
21	11.55	38.06	102.65	12.21	46.52	31.76	48.59	133.34	38.48	13.06	7.40	6.42	
22	10.06	37.85	92.80	12.04	35.96	27.40	51.12	138.71	35.33	13.06	7.26	6.42	
23	12.55	34.70	82.03	18.24	27.00	24.60	48.82	150.75	32.81	12.89	7.26	6.00	
24	17.88	32.81	66.20	34.70	23.20	24.00	65.45	163.10	35.96	12.55	7.26	5.64	
25	21.26	32.18	52.04	39.12	21.26	21.83	59.17	156.75	49.74	11.70	7.40	5.40	
26	16.29	39.56	41.98	33.02	17.88	25.20	47.67	133.34	45.14	11.25	7.26	5.16	
27	13.57	49.74	35.12	31.34	16.80	37.64	48.36	107.08	36.38	11.55	6.98	4.92	
28	12.89	46.52	28.40	27.60	33.02	50.43	69.04	85.00	31.97	11.10	6.84	4.92	
29	12.04	38.69	24.60	24.80	36.17	46.75	91.90	68.26	30.71	10.95		4.92	
30	10.95	32.18	21.64	20.50	27.40	54.11	104.20	58.02	30.92	10.80		4.92	
31		25.60		16.80	20.88		100.17		28.00	10.50		5.16	
TOTAL	298.24	1015.85	1031.66	506.06	784.84	1021.47	2388.33	3335.32	1662.29	516.26	240.82	180.98	12982.12 CMSDAY
MEAN	9.94	32.77	34.39	16.32	25.32	34.05	77.04	111.18	53.62	16.65	8.60	5.84	35.57 CMS
MAX	21.26	50.89	102.65	39.12	46.52	57.56	117.64	163.10	104.52	26.20	10.35	7.12	163.10 CMS
MIN	6.84	15.10	12.72	9.36	8.80	14.25	47.67	58.02	28.00	10.50	6.84	4.92	4.92 CMS
RUNOFF	25.768	87.769	89.135	43.724	67.810	88.255	206.352	288.172	143.622	44.605	20.807	15.637	1121.655 MCM

MOMENTARY PEAK 163.90 CMS, AT 6.78 M (A.D), AT 15.00 HOURS, ON NOV 24, 1985

RUNOFF YIELD 19.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 91.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

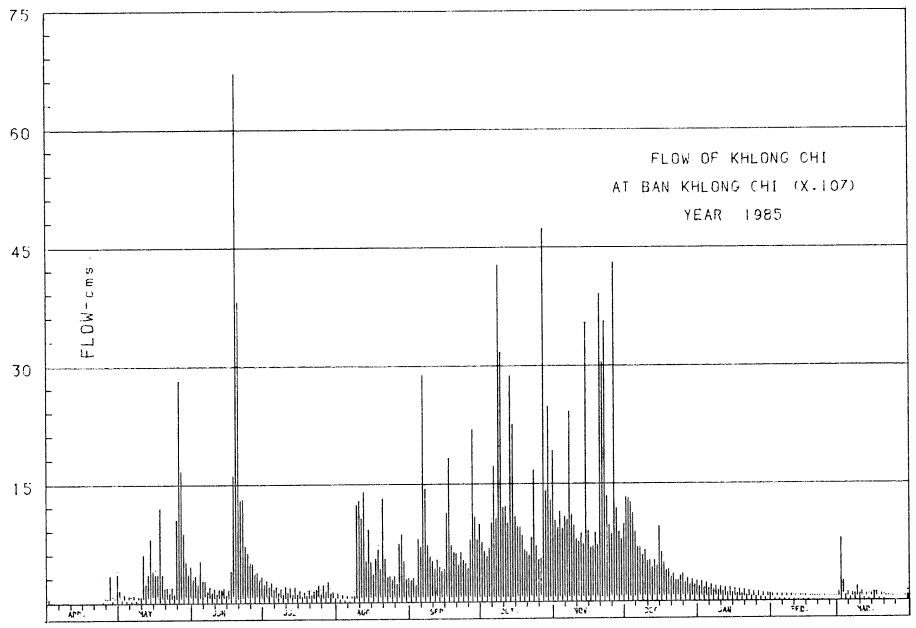
KHLONG CHI AT BAN KHLONG CHI, TRANG (X.107)

LOCATION	LAT. 7-44-08 N., LONG. 99-24-42 E., ON RIGHT BANK DOWNSTREAM FROM THE BRIDGE OF KRABI-TRANG HIGHWAY, BAN KHLONG CHI, AMPHOE SIKAO, TRANG.
DRAINAGE AREA	248 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 2.5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.020 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 74 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.28	0.48	0.73	0.66	0.42	0.71	1.19	1.39	1.62	0.60	0.36	0.41	
2	0.27	0.39	0.71	0.63	0.39	0.67	1.02	1.37	1.66	0.60	0.35	1.22	
3	0.25	0.40	0.66	0.63	0.38	0.63	1.02	1.48	1.57	0.58	0.35	0.60	
4	0.24	0.37	0.91	0.60	0.37	1.18	1.06	1.35	1.51	0.58	0.35	0.44	
5	0.24	0.36	0.71	0.58	0.35	1.14	1.41	1.43	1.26	0.57	0.35	0.41	
6	0.23	0.36	0.63	0.54	0.34	2.63	1.91	1.45	1.13	0.55	0.35	0.40	
7	0.23	0.37	0.55	0.52	0.34	1.74	1.45	2.35	1.07	0.55	0.35	0.38	
8	0.22	0.38	0.54	0.50	0.46	1.10	3.38	1.48	1.03	0.53	0.35	0.47	
9	0.22	0.34	0.53	0.50	1.55	1.02	2.82	1.33	1.03	0.54	0.35	0.51	
10	0.22	0.45	0.51	0.54	1.64	0.90	1.52	1.23	0.95	0.52	0.34	0.47	
11	0.22	0.99	0.51	0.53	1.42	0.87	1.58	1.14	0.90	0.52	0.33	0.42	
12	0.23	0.65	0.49	0.52	1.72	0.92	1.36	1.30	0.88	0.50	0.33	0.38	
13	0.23	0.73	0.57	0.50	0.90	0.89	2.65	1.11	0.90	0.50	0.33	0.36	
14	0.26	1.24	0.52	0.53	1.34	0.77	2.25	3.02	0.90	0.50	0.33	0.35	
15	0.25	0.78	0.49	0.50	0.89	0.86	1.47	1.27	1.32	0.50	0.33	0.36	
16	0.23	0.80	0.49	0.47	0.79	1.47	1.32	1.12	1.06	0.48	0.33	0.50	
17	0.22	0.73	0.84	0.45	0.93	2.01	1.37	1.08	0.87	0.48	0.31	0.41	
18	0.23	1.56	1.83	0.44	1.11	1.10	1.22	1.30	0.84	0.47	0.30	0.36	
19	0.23	0.73	4.61	0.47	0.80	1.07	1.10	1.10	0.78	0.47	0.30	0.36	
20	0.25	0.59	3.14	0.48	1.65	1.00	1.01	3.21	0.75	0.46	0.30	0.34	
21	0.24	0.53	1.63	0.48	0.93	0.91	1.04	2.72	0.72	0.45	0.30	0.31	
22	0.23	0.53	1.61	0.46	0.75	1.01	1.19	3.03	0.70	0.44	0.32	0.30	
23	0.23	0.53	1.15	0.57	0.70	0.97	1.91	1.63	0.62	0.43	0.31	0.29	
24	0.31	0.50	1.01	0.56	0.72	0.87	1.09	1.39	0.76	0.42	0.30	0.28	
25	0.30	1.41	0.95	0.50	0.70	0.87	0.97	1.23	0.72	0.42	0.29	0.28	
26	0.29	2.62	0.87	0.56	0.66	1.17	0.93	3.42	0.67	0.42	0.29	0.27	
27	0.72	1.87	0.81	0.54	1.12	2.24	3.64	1.51	0.65	0.41	0.29	0.27	
28	0.35	1.30	0.76	0.61	1.29	1.43	1.68	1.31	0.63	0.40	0.29	0.26	
29	0.30	0.90	0.73	0.51	0.90	1.22	2.42	1.17	0.63	0.40		0.30	
30	0.79	0.80	0.70	0.44	0.72	1.35	1.59	1.40	0.63	0.39		0.44	
31		0.84		0.42	0.67		2.07		0.61	0.48		0.34	
MEAN	0.28	0.79	1.01	0.52	0.87	1.16	1.63	1.64	0.95	0.49	0.32	0.40	
MAX	0.79	2.62	4.61	0.66	1.72	2.63	3.64	3.42	1.66	0.60	0.36	1.22	4.61
MIN	0.22	0.34	0.49	0.42	0.34	0.63	0.93	1.08	0.61	0.39	0.29	0.26	0.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.96 M (A.D), AT 15.00 HOURS, ON JUN 19, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.12 M (A.D)
LEFT BANK ELEVATION 7.38 M (A.D)
RIGHT BANK ELEVATION 8.91 M (A.D), DRAINAGE AREA 248 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.54	1.56	3.57	2.98	1.14	3.39	8.10	10.29	13.26	2.50	0.84	1.07	
2	0.51	0.96	3.39	2.74	0.96	3.06	6.40	10.07	13.78	2.50	0.80	8.42	
3	0.45	1.00	2.98	2.74	0.92	2.74	6.40	11.44	12.61	2.34	0.80	2.50	
4	0.42	0.88	5.30	2.50	0.88	8.00	6.80	9.85	11.83	2.34	0.80	1.28	
5	0.42	0.84	3.39	2.34	0.80	7.60	10.53	10.79	8.86	2.26	0.80	1.07	
6	0.39	0.84	2.74	2.02	0.76	28.81	17.25	11.05	7.50	2.10	0.80	1.00	
7	0.39	0.88	2.10	1.86	0.76	14.86	11.05	24.10	6.90	2.10	0.80	0.92	
8	0.36	0.92	2.02	1.70	1.42	7.20	42.72	11.44	6.50	1.94	0.80	1.49	
9	0.36	0.76	1.94	1.70	12.35	6.40	32.16	9.63	6.50	2.02	0.80	1.78	
10	0.36	1.35	1.78	2.02	13.52	5.20	11.96	8.53	5.70	1.86	0.76	1.49	
11	0.36	6.10	1.78	1.94	10.66	4.90	12.74	7.60	5.20	1.86	0.72	1.14	
12	0.39	2.90	1.63	1.86	14.58	5.40	9.96	9.30	5.00	1.70	0.72	0.92	
13	0.39	3.57	2.26	1.70	5.20	5.10	29.15	7.30	5.20	1.70	0.72	0.84	
14	0.48	8.64	1.86	1.94	9.74	3.93	22.50	35.88	5.20	1.70	0.72	0.80	
15	0.45	4.02	1.63	1.70	5.10	4.80	11.31	8.97	9.52	1.70	0.72	0.84	
16	0.39	4.20	1.63	1.49	4.11	11.31	9.52	7.40	6.80	1.56	0.72	1.70	
17	0.36	3.57	4.60	1.35	5.50	18.75	10.07	7.00	4.90	1.56	0.64	1.07	
18	0.39	12.48	16.12	1.28	7.30	7.20	8.42	9.30	4.60	1.49	0.60	0.84	
19	0.39	3.57	67.52	1.49	4.20	6.90	7.20	7.20	4.02	1.49	0.60	0.84	
20	0.45	2.42	38.16	1.56	13.65	6.20	6.30	39.49	3.75	1.42	0.60	0.76	
21	0.42	1.94	13.39	1.56	5.50	5.30	6.60	30.36	3.48	1.35	0.60	0.64	
22	0.39	1.94	13.13	1.42	3.75	6.30	8.10	36.07	3.30	1.28	0.68	0.60	
23	0.39	1.94	7.70	2.26	3.30	5.90	17.25	13.39	2.66	1.21	0.64	0.57	
24	0.64	1.70	6.30	2.18	3.48	4.90	7.10	10.29	3.84	1.14	0.60	0.54	
25	0.60	10.53	5.70	1.70	3.30	4.90	5.90	8.53	3.48	1.14	0.57	0.54	
26	0.57	28.64	4.90	2.18	2.98	7.90	5.50	43.48	3.06	1.14	0.57	0.51	
27	3.48	16.68	4.30	2.02	7.40	22.34	47.82	11.83	2.90	1.07	0.57	0.51	
28	0.80	9.30	3.84	2.58	9.19	10.79	14.04	9.41	2.74	1.00	0.57	0.48	
29	0.60	5.20	3.57	1.78	5.20	8.42	25.24	7.90	2.74	1.00		0.60	
30	4.11	4.20	3.30	1.28	3.48	9.85	12.87	10.40	2.74	0.96		1.28	
31		4.60		1.14	3.06		19.65		2.58	1.56		0.76	
TOTAL	20.25	148.13	232.53	59.01	164.19	248.35	450.61	438.29	181.15	50.99	19.56	37.80	2050.86 CMSDAY
MEAN	0.68	4.78	7.75	1.90	5.30	8.28	14.54	14.61	5.84	1.64	0.70	1.22	5.62 CMS
MAX	4.11	28.64	67.52	2.98	14.58	28.81	47.82	43.48	13.78	2.50	0.84	8.42	67.52 CMS
MIN	0.36	0.76	1.63	1.14	0.76	2.74	5.50	7.00	2.58	0.96	0.57	0.48	0.36 CMS
RUNOFF	1.750	12.798	20.091	5.098	14.186	21.457	38.933	37.868	15.651	4.406	1.690	3.266	177.194 MCM

MOMENTARY PEAK 75.22 CMS, AT 4.96 M (A.D), AT 15.00 HOURS, ON JUN 19, 1985

RUNOFF YIELD 22.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 303.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

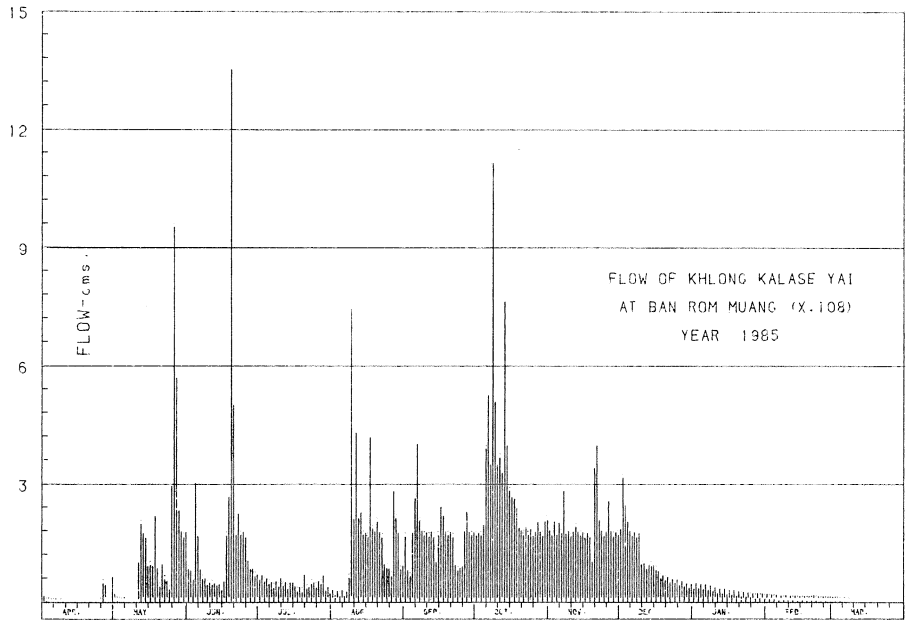
KHLONG KALASE YAI AT BAN ROM MUANG, TRANG (X.108)

LOCATION	LAT. 7-44-03 N., LONG. 99-20-00 E., ON RIGHT BANG AT BAN ROM MUANG, AMPHOE SIKAO, TANG.
DRAINAGE AREA	57 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+4.771 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 75 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.85	0.91	1.35	1.23	0.99	1.46	1.62	1.69	1.71	1.09	0.90	0.83	
2	0.82	0.84	1.29	1.22	0.98	1.29	1.45	1.65	2.13	1.10	0.90	0.83	
3	0.81	0.83	1.22	1.20	0.97	1.26	1.63	1.77	1.91	1.09	0.89	0.83	
4	0.80	0.82	2.07	1.18	0.96	1.45	1.74	1.65	1.80	1.09	0.89	0.83	
5	0.80	0.83	1.51	1.16	0.98	1.99	2.32	1.76	1.62	1.08	0.88	0.82	
6	0.79	0.80	1.30	1.12	0.97	2.33	2.61	1.71	1.56	1.08	0.87	0.82	
7	0.79	0.78	1.23	1.10	0.95	1.80	2.22	2.01	1.50	1.06	0.86	0.81	
8	0.78	0.77	1.18	1.13	1.24	1.67	3.51	1.70	1.46	1.06	0.87	0.81	
9	0.77	0.76	1.15	1.11	3.02	1.59	2.59	1.61	1.44	1.05	0.87	0.81	
10	0.76	0.75	1.11	1.18	1.82	1.49	2.20	1.55	1.40	1.03	0.86	0.80	
11	0.76	1.38	1.15	1.12	2.40	1.49	2.27	1.54	1.37	1.02	0.86	0.80	
12	0.75	1.78	1.10	1.12	1.83	1.57	2.14	1.76	1.36	1.01	0.86	0.80	
13	0.75	1.41	1.14	1.09	1.85	1.44	3.06	1.52	1.36	1.01	0.86	0.80	
14	0.80	1.44	1.08	1.11	1.65	1.38	2.32	1.65	1.39	1.01	0.85	0.80	
15	0.78	1.34	1.07	1.18	1.44	1.58	2.04	1.48	1.35	0.99	0.85	0.80	
16	0.78	1.40	1.13	1.05	1.46	1.90	1.97	1.43	1.34	0.99	0.85	0.79	
17	0.76	1.34	1.57	1.04	2.37	1.85	1.99	1.41	1.28	0.98	0.85	0.79	
18	0.75	1.85	1.97	1.04	1.74	1.59	1.89	1.42	1.24	0.98	0.85	0.80	
19	0.75	1.32	3.74	1.03	1.57	1.61	1.75	1.39	1.22	0.97	0.85	0.80	
20	0.75	1.11	2.56	1.23	1.80	1.53	1.69	2.20	1.22	0.96	0.85	0.79	
21	0.75	1.36	1.58	1.08	1.50	1.43	1.68	2.32	1.20	0.95	0.87	0.79	
22	0.75	1.22	1.84	1.04	1.41	1.35	1.73	1.81	1.18	0.95	0.86	0.81	
23	0.74	1.14	1.64	1.16	1.36	1.33	1.66	1.65	1.17	0.95	0.85	0.80	
24	0.74	1.06	1.56	1.11	1.37	1.32	1.71	1.59	1.18	0.93	0.84	0.80	
25	0.81	2.05	1.47	1.11	1.31	1.38	1.57	1.54	1.16	0.93	0.84	0.80	
26	1.16	3.33	1.40	1.13	1.27	1.61	1.52	1.97	1.14	0.92	0.84	0.80	
27	1.07	2.70	1.35	1.16	2.01	1.89	1.80	1.62	1.13	0.91	0.84	0.79	
28	0.80	1.90	1.31	1.22	1.83	1.53	1.59	1.53	1.12	0.92	0.83	0.79	
29	0.77	1.63	1.27	1.05	1.43	1.63	1.63	1.48	1.10	0.92		0.79	
30	1.25	1.47	1.23	1.04	1.34	1.51	1.77	1.66	1.10	0.91		0.78	
31		1.52		1.01	1.34		1.82		1.09	0.90		0.78	
MEAN	0.81	1.35	1.49	1.12	1.52	1.58	1.98	1.67	1.36	0.99	0.86	0.80	
MAX	1.25	3.33	3.74	1.23	3.02	2.33	3.51	2.32	2.13	1.10	0.90	0.83	3.74
MIN	0.74	0.75	1.07	1.01	0.95	1.26	1.45	1.39	1.09	0.90	0.83	0.78	0.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.20 M (A.D), AT 15.00 HOURS, ON OCT 8, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.45 M (A.D)
LEFT BANK ELEVATION 6.11 M (A.D)
RIGHT BANK ELEVATION 6.09 M (A.D), DRAINAGE AREA 57 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.21	0.94	0.70	0.31	1.76	1.80	1.82	1.85	0.46	0.20	0.13	
2	0.12	0.14	0.81	0.68	0.30	0.81	1.76	1.81	3.25	0.48	0.20	0.13	
3	0.11	0.13	0.68	0.64	0.28	0.75	1.80	2.04	2.46	0.46	0.19	0.13	
4	0.10	0.12	3.03	0.61	0.27	1.76	1.95	1.81	2.14	0.46	0.19	0.13	
5	0.10	0.13	1.77	0.58	0.30	2.74	3.98	2.01	1.80	0.45	0.18	0.12	
6	0.09	0.10	0.83	0.51	0.28	4.02	5.25	1.85	1.79	0.45	0.17	0.12	
7	0.09	0.09	0.70	0.48	0.26	2.14	3.58	2.82	1.77	0.42	0.16	0.11	
8	0.09	0.08	0.61	0.53	0.72	1.81	11.15	1.82	1.76	0.42	0.17	0.11	
9	0.08	0.07	0.56	0.50	7.45	1.79	5.15	1.80	1.76	0.40	0.17	0.11	
10	0.07	0.07	0.50	0.61	2.20	1.77	3.50	1.78	1.05	0.37	0.16	0.10	
11	0.07	1.01	0.56	0.51	4.30	1.77	3.78	1.78	0.98	0.35	0.16	0.10	
12	0.07	2.08	0.48	0.51	2.22	1.79	3.28	2.01	0.96	0.34	0.16	0.10	
13	0.07	1.75	0.54	0.46	2.28	1.76	7.72	1.78	0.96	0.34	0.16	0.10	
14	0.10	1.76	0.45	0.50	1.81	1.01	3.98	1.81	1.03	0.34	0.15	0.10	
15	0.09	0.92	0.43	0.61	1.76	1.79	2.92	1.77	0.94	0.31	0.15	0.10	
16	0.09	1.05	0.53	0.40	1.76	2.42	2.67	1.75	0.92	0.31	0.15	0.09	
17	0.07	0.92	1.79	0.38	4.18	2.28	2.74	1.75	0.79	0.30	0.15	0.09	
18	0.07	2.28	2.67	0.38	1.95	1.79	2.39	1.75	0.72	0.30	0.15	0.10	
19	0.07	0.87	13.60	0.37	1.79	1.80	1.98	1.03	0.68	0.28	0.15	0.10	
20	0.07	0.50	5.01	0.70	2.14	1.78	1.82	3.50	0.68	0.27	0.15	0.09	
21	0.07	0.96	1.79	0.45	1.77	1.75	1.82	3.98	0.64	0.26	0.17	0.09	
22	0.07	0.68	2.25	0.38	1.75	0.94	1.92	2.17	0.61	0.26	0.16	0.11	
23	0.06	0.54	1.81	0.58	0.96	0.90	1.81	1.81	0.59	0.26	0.15	0.10	
24	0.06	0.42	1.79	0.50	0.98	0.87	1.85	1.79	0.61	0.24	0.14	0.10	
25	0.11	2.96	1.76	0.50	0.85	1.01	1.79	1.78	0.58	0.24	0.14	0.10	
26	0.58	9.61	1.05	0.53	0.77	1.80	1.78	2.67	0.54	0.22	0.14	0.10	
27	0.43	5.70	0.94	0.58	2.82	2.39	2.14	1.80	0.53	0.21	0.14	0.09	
28	0.10	2.42	0.85	0.68	2.22	1.78	1.79	1.78	0.51	0.22	0.13	0.09	
29	0.08	1.80	0.77	0.40	1.75	1.80	1.80	1.77	0.48	0.22		0.09	
30	0.74	1.76	0.70	0.38	0.92	1.77	2.04	1.81	0.48	0.21		0.09	
31		1.78		0.34	0.92		2.20		0.46	0.20		0.09	
TOTAL	4.07	42.91	50.20	15.98	52.27	52.55	94.14	59.85	34.32	10.05	4.49	3.21	424.04 CMSDAY
MEAN	0.14	1.38	1.67	0.52	1.69	1.75	3.04	2.00	1.11	0.32	0.16	0.10	1.16 CMS
MAX	0.74	9.61	13.60	0.70	7.45	4.02	11.15	3.98	3.25	0.48	0.20	0.13	13.60 CMS
MIN	0.06	0.07	0.43	0.34	0.26	0.75	1.76	1.03	0.46	0.20	0.13	0.09	0.06 CMS
RUNOFF	0.352	3.707	4.337	1.381	4.516	4.540	8.134	5.171	2.965	0.868	0.388	0.277	36.637 MCM

MOMENTARY PEAK 21.50 CMS, AT 4.20 M (A.D), AT 15.00 HOURS, ON OCT 8, 1985

RUNOFF YIELD 20.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 377.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

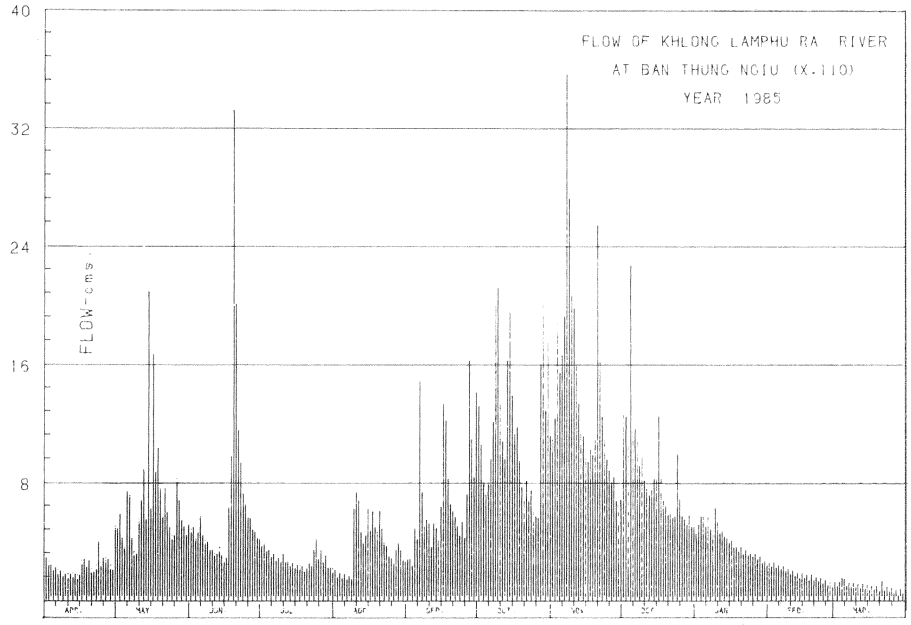
KHLONG LAMPHU LA AT BAN THUNG NGIU, TRANG (X.110)

LOCATION	LAT. 7-40-24 N., LONG. 99-35-05 E., ON RIGHT BANK AT BAN THUNG NGIU, AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	229 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE SITE.
ELEVATION	+5.612 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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
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 126 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	0.92	0.92	0.82	0.60	0.72	1.72	1.51	1.65	0.91	0.66	0.48	
2	0.67	1.06	0.93	0.81	0.57	0.69	1.48	1.65	1.66	0.95	0.66	0.48	
3	0.64	0.85	0.86	0.78	0.57	0.67	1.26	2.13	2.08	1.04	0.66	0.48	
4	0.63	0.80	0.89	0.76	0.56	0.92	1.17	1.89	2.39	1.01	0.65	0.56	
5	0.62	1.19	1.03	0.74	0.56	0.87	1.26	1.96	1.85	0.96	0.64	0.51	
6	0.60	1.18	0.87	0.73	0.55	1.83	1.39	2.16	1.59	1.01	0.64	0.48	
7	0.59	0.85	0.83	0.71	0.54	1.21	1.63	3.18	1.52	0.94	0.63	0.47	
8	0.58	0.75	0.82	0.70	0.55	0.94	2.19	2.69	1.37	0.91	0.62	0.47	
9	0.56	0.73	0.79	0.70	1.07	1.02	2.29	2.24	1.42	1.10	0.61	0.47	
10	0.56	0.99	0.76	0.73	1.21	0.96	1.71	2.20	1.28	0.97	0.60	0.47	
11	0.56	1.13	0.75	0.70	1.13	0.81	1.52	1.91	1.21	0.91	0.59	0.46	
12	0.57	1.34	0.73	0.67	0.92	0.96	1.39	1.73	1.19	0.90	0.58	0.46	
13	0.56	0.99	0.78	0.67	0.81	0.96	1.95	1.57	1.20	0.89	0.57	0.46	
14	0.55	2.27	0.72	0.66	0.90	0.83	2.16	1.55	1.29	0.85	0.56	0.45	
15	0.55	1.07	0.70	0.65	1.07	1.11	1.77	1.41	1.27	0.84	0.57	0.45	
16	0.68	1.98	0.70	0.64	0.93	1.71	1.54	1.40	1.66	0.83	0.56	0.44	
17	0.69	1.31	1.10	0.64	1.05	1.64	1.60	1.45	1.27	0.81	0.55	0.44	
18	0.66	1.48	1.41	0.63	0.96	1.27	1.38	1.44	1.15	0.78	0.54	0.45	
19	0.68	1.21	3.05	0.62	0.90	1.13	1.24	1.51	1.09	0.78	0.55	0.44	
20	0.61	1.03	2.20	0.61	1.08	1.05	1.16	2.57	1.05	0.78	0.54	0.43	
21	0.58	1.21	1.58	0.69	0.92	1.04	1.28	1.93	1.03	0.76	0.53	0.49	
22	0.64	1.07	1.37	0.63	0.83	0.94	1.13	1.66	1.03	0.76	0.53	0.44	
23	0.82	0.93	1.20	0.79	0.79	0.90	1.22	1.51	1.01	0.75	0.52	0.43	
24	0.66	0.87	1.10	0.84	0.74	0.97	1.11	1.41	1.44	0.73	0.51	0.43	
25	0.70	0.87	1.03	0.72	0.70	0.88	1.04	1.32	1.14	0.74	0.50	0.42	
26	0.70	1.27	1.00	0.76	0.69	1.17	1.00	1.27	1.04	0.73	0.49	0.41	
27	0.69	1.13	0.94	0.70	0.76	1.95	1.93	1.28	0.99	0.72	0.48	0.40	
28	0.64	1.01	0.90	0.72	0.84	1.51	2.21	1.15	0.98	0.71	0.47	0.39	
29	0.60	0.94	0.88	0.65	0.76	1.30	1.69	1.11	1.02	0.69		0.41	
30	0.94	0.90	0.84	0.62	0.71	1.77	2.04	1.16	0.96	0.67		0.41	
31		0.95		0.61	0.67		1.55		0.93	0.67		0.41	
MEAN	0.64	1.11	1.06	0.70	0.80	1.12	1.55	1.73	1.31	0.84	0.57	0.45	
MAX	0.94	2.27	3.05	0.84	1.21	1.95	2.29	3.18	2.39	1.10	0.66	0.56	3.18
MIN	0.55	0.73	0.70	0.61	0.54	0.67	1.00	1.11	0.93	0.67	0.47	0.39	0.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.52 M (A.D), AT 7.00 HOURS, ON NOV 7, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.14 M (A.D)
LEFT BANK ELEVATION 6.52 M (A.D)
RIGHT BANK ELEVATION 5.99 M (A.D), DRAINAGE AREA 229 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.90	4.88	4.88	3.98	2.10	3.08	13.46	10.92	12.60	4.79	2.58	1.26	
2	2.66	6.14	4.97	3.89	1.89	2.82	10.58	12.60	12.72	5.15	2.58	1.26	
3	2.42	4.25	4.34	3.62	1.89	2.66	8.16	19.05	18.32	5.96	2.58	1.26	
4	2.34	3.80	4.61	3.44	1.82	4.88	7.20	15.67	22.95	5.69	2.50	1.82	
5	2.26	7.40	5.87	3.26	1.82	4.43	8.16	16.64	15.15	5.24	2.42	1.47	
6	2.10	7.30	4.43	3.17	1.75	14.89	9.59	19.50	11.88	5.69	2.42	1.26	
7	2.03	4.25	4.07	2.99	1.68	7.61	12.36	35.66	11.04	5.06	2.34	1.19	
8	1.96	3.35	3.98	2.90	1.75	5.06	19.95	27.45	9.37	4.79	2.26	1.19	
9	1.82	3.17	3.71	2.90	6.23	5.78	21.45	20.70	9.92	6.50	2.18	1.19	
10	1.82	5.51	3.44	3.17	7.61	5.24	13.33	20.10	8.38	5.33	2.10	1.19	
11	1.82	6.80	3.35	2.90	6.80	3.89	11.04	15.94	7.61	4.79	2.03	1.12	
12	1.89	9.04	3.17	2.66	4.88	5.24	9.59	13.59	7.40	4.70	1.96	1.12	
13	1.82	5.51	3.62	2.66	3.89	5.24	16.50	11.64	7.50	4.61	1.89	1.12	
14	1.75	21.15	3.08	2.58	4.70	4.07	19.50	11.40	8.49	4.25	1.82	1.05	
15	1.75	6.23	2.90	2.50	6.23	6.60	14.11	9.81	8.27	4.16	1.89	1.05	
16	2.74	16.92	2.90	2.42	4.97	13.33	11.28	9.70	12.72	4.07	1.82	0.98	
17	2.82	8.71	6.50	2.42	6.05	12.48	12.00	10.25	8.27	3.89	1.75	0.98	
18	2.58	10.58	9.81	2.34	5.24	8.27	9.48	10.14	7.00	3.62	1.68	1.05	
19	2.74	7.61	33.45	2.26	4.70	6.80	7.94	10.92	6.41	3.62	1.75	0.98	
20	2.18	5.87	20.10	2.18	6.32	6.05	7.10	25.65	6.05	3.62	1.68	0.91	
21	1.96	7.61	11.76	2.82	4.88	5.96	8.38	16.22	5.87	3.44	1.61	1.33	
22	2.42	6.23	9.37	2.34	4.07	5.06	6.80	12.72	5.87	3.44	1.61	0.98	
23	3.98	4.97	7.50	3.71	3.71	4.70	7.72	10.92	5.69	3.35	1.54	0.91	
24	2.58	4.43	6.50	4.16	3.26	5.33	6.60	9.81	10.14	3.17	1.47	0.91	
25	2.90	4.43	5.87	3.08	2.90	4.52	5.96	8.82	6.90	3.26	1.40	0.84	
26	2.90	8.27	5.60	3.44	2.82	7.20	5.60	8.27	5.96	3.17	1.33	0.77	
27	2.82	6.80	5.06	2.90	3.44	16.50	16.22	8.38	5.51	3.08	1.26	0.70	
28	2.42	5.69	4.70	3.08	4.16	10.92	20.25	7.00	5.42	2.99	1.19	0.63	
29	2.10	5.06	4.52	2.50	3.44	8.60	13.08	6.60	5.78	2.82		0.77	
30	5.06	4.70	4.16	2.26	2.99	14.11	17.76	7.10	5.24	2.66		0.77	
31		5.15		2.18	2.66		11.40		4.97	2.66		0.77	
TOTAL	73.54	211.81	198.22	90.71	120.65	211.32	362.55	423.17	279.40	129.57	53.64	32.83	2187.41 CMSDAY
MEAN	2.45	6.83	6.61	2.93	3.89	7.04	11.70	14.11	9.01	4.18	1.92	1.06	5.99 CMS
MAX	5.06	21.15	33.45	4.16	7.61	16.50	21.45	35.66	22.95	6.50	2.58	1.82	35.66 CMS
MIN	1.75	3.17	2.90	2.18	1.68	2.66	5.60	6.60	4.97	2.66	1.19	0.63	0.63 CMS
RUNOFF	6.354	18.300	17.126	7.837	10.424	18.258	31.324	36.562	24.140	11.195	4.634	2.837	188.992 MCM

MOMENTARY PEAK 41.44 CMS, AT 3.52 M (A.D), AT 7.00 HOURS, ON NOV 7, 1985

RUNOFF YIELD 26.17 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 180.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

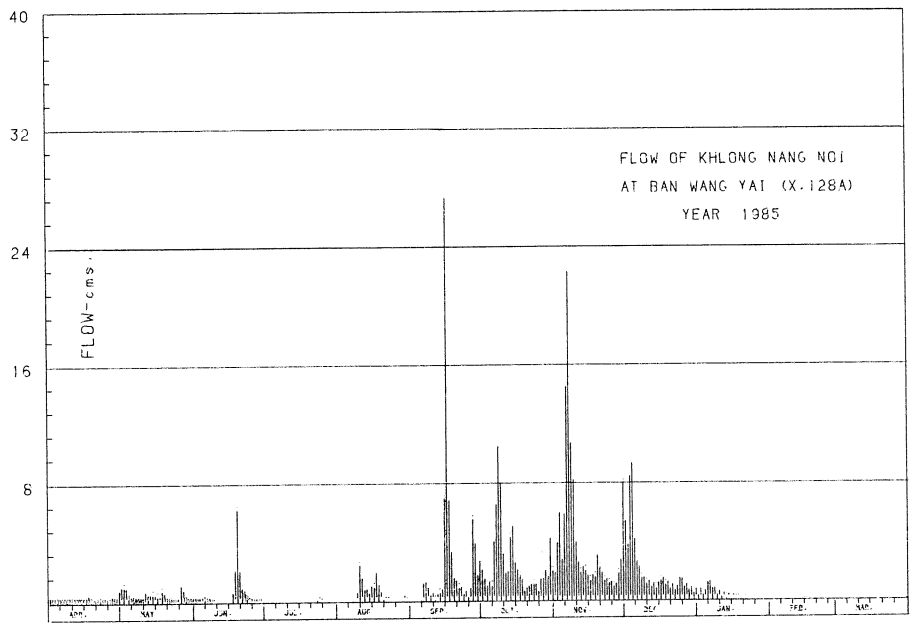
KHLONG NANG NOI AT BAN WANG YI, TRANG (X.128A)

LOCATION	LAT. 7-35-28 N., LONG. 99-44-13 E., ON RIGHT BANK ABOUT 2.00 METERS UPSTREAM FROM THE BRIDGE AT BAN WANG YI, AMPHOE MUANG, TRANG.
DRAINAGE AREA	75 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.730 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	1984 TO DATE
RATED BY FLOAT	-
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 46 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.36	0.17	0.10	0.08	0.11	0.67	0.58	1.10	0.26	0.07	0.02	
2	0.17	0.43	0.15	0.10	0.07	0.10	0.48	0.94	0.92	0.29	0.06	0.03	
3	0.17	0.34	0.13	0.09	0.06	0.09	0.44	1.17	1.48	0.27	0.06	0.03	
4	0.18	0.25	0.17	0.09	0.07	0.11	0.43	0.77	1.61	0.26	0.06	0.02	
5	0.18	0.20	0.21	0.08	0.08	0.17	0.44	1.16	0.94	0.47	0.05	0.02	
6	0.18	0.21	0.17	0.08	0.09	0.40	0.92	2.11	0.75	0.42	0.04	0.02	
7	0.18	0.19	0.15	0.07	0.10	0.51	1.28	2.68	0.65	0.38	0.04	0.01	
8	0.18	0.18	0.14	0.07	0.13	0.33	1.71	1.75	0.55	0.30	0.04	0.01	
9	0.18	0.17	0.11	0.06	0.25	0.29	1.46	1.45	0.49	0.27	0.09	0.01	
10	0.18	0.17	0.10	0.06	0.72	0.24	0.80	0.94	0.46	0.25	0.13	0.04	
11	0.17	0.28	0.09	0.05	0.50	0.20	0.63	0.70	0.43	0.24	0.14	0.02	
12	0.17	0.23	0.08	0.05	0.37	0.22	0.60	0.63	0.41	0.22	0.10	0.04	
13	0.18	0.23	0.08	0.07	0.31	0.32	1.00	0.65	0.39	0.21	0.09	0.03	
14	0.18	0.31	0.07	0.08	0.32	0.30	1.06	0.66	0.38	0.20	0.08	0.06	
15	0.17	0.22	0.07	0.06	0.36	1.32	0.74	0.53	0.40	0.19	0.07	0.05	
16	0.17	0.28	0.11	0.04	0.42	3.01	0.62	0.52	0.51	0.18	0.06	0.04	
17	0.22	0.20	0.33	0.04	0.59	1.31	0.59	0.54	0.48	0.17	0.06	0.04	
18	0.19	0.36	0.63	0.03	0.46	0.82	0.46	0.58	0.44	0.16	0.05	0.03	
19	0.11	0.25	1.24	0.03	0.26	0.56	0.34	0.78	0.41	0.15	0.05	0.03	
20	0.09	0.18	0.62	0.09	0.21	0.45	0.32	0.69	0.38	0.14	0.04	0.02	
21	0.13	0.16	0.41	0.08	0.17	0.40	0.43	0.58	0.37	0.13	0.04	0.02	
22	0.19	0.14	0.30	0.07	0.16	0.34	0.38	0.51	0.35	0.12	0.03	0.05	
23	0.15	0.12	0.23	0.19	0.15	0.30	0.46	0.47	0.34	0.12	0.03	0.04	
24	0.15	0.11	0.18	0.17	0.12	0.27	0.38	0.46	0.55	0.11	0.03	0.03	
25	0.14	0.12	0.14	0.12	0.11	0.25	0.34	0.42	0.47	0.11	0.02	0.02	
26	0.15	0.45	0.13	0.10	0.13	0.32	0.47	0.41	0.40	0.10	0.02	0.05	
27	0.20	0.30	0.12	0.09	0.09	1.15	0.56	0.39	0.37	0.09	0.02	0.07	
28	0.18	0.21	0.12	0.08	0.14	0.90	0.61	0.62	0.35	0.09	0.02	0.05	
29	0.17	0.17	0.11	0.07	0.20	0.61	0.59	0.73	0.32	0.08		0.05	
30	0.37	0.16	0.11	0.06	0.15	0.72	0.95	1.45	0.30	0.08		0.04	
31		0.13		0.05	0.11		0.65		0.29	0.07		0.03	
MEAN	0.18	0.23	0.22	0.08	0.23	0.54	0.67	0.86	0.56	0.20	0.06	0.03	
MAX	0.37	0.45	1.24	0.19	0.72	3.01	1.71	2.68	1.61	0.47	0.14	0.07	3.01
MIN	0.09	0.11	0.07	0.03	0.06	0.09	0.32	0.39	0.29	0.07	0.02	0.01	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.58 M (A.D), AT 18.00 HOURS, ON NOV 6, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.42 M (A.D)
LEFT BANK ELEVATION 6.34 M (A.D)
RIGHT BANK ELEVATION 6.27 M (A.D), DRAINAGE AREA 75 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.36	1.04	0.34	0.20	0.16	0.22	2.42	1.92	5.40	0.64	0.14	0.04	
2	0.34	1.32	0.30	0.20	0.14	0.20	1.52	4.18	4.04	0.76	0.12	0.06	
3	0.34	0.96	0.26	0.18	0.12	0.18	1.36	5.96	8.44	0.68	0.12	0.06	
4	0.36	0.60	0.34	0.18	0.14	0.22	1.32	3.02	9.59	0.64	0.12	0.04	
5	0.36	0.40	0.44	0.16	0.16	0.34	1.36	5.88	4.18	1.48	0.10	0.04	
6	0.36	0.44	0.34	0.16	0.18	1.20	4.04	14.72	2.90	1.28	0.08	0.04	
7	0.36	0.38	0.30	0.14	0.20	1.64	6.84	22.32	2.30	1.12	0.08	0.02	
8	0.36	0.36	0.28	0.14	0.26	0.92	10.50	10.90	1.80	0.80	0.08	0.02	
9	0.36	0.34	0.22	0.12	0.60	0.76	8.28	8.20	1.56	0.68	0.18	0.02	
10	0.36	0.34	0.20	0.12	2.72	0.56	3.20	4.18	1.44	0.60	0.26	0.08	
11	0.34	0.72	0.18	0.10	1.60	0.40	2.18	2.60	1.32	0.56	0.28	0.04	
12	0.34	0.52	0.16	0.10	1.08	0.48	2.00	2.18	1.24	0.48	0.20	0.08	
13	0.36	0.52	0.16	0.14	0.84	0.88	4.60	2.30	1.16	0.44	0.18	0.06	
14	0.36	0.84	0.14	0.16	0.88	0.80	5.08	2.36	1.12	0.40	0.16	0.12	
15	0.34	0.48	0.14	0.12	1.04	7.16	2.84	1.72	1.20	0.38	0.14	0.10	
16	0.34	0.72	0.22	0.08	1.28	27.36	2.12	1.68	1.64	0.36	0.12	0.08	
17	0.48	0.40	0.92	0.08	1.96	7.08	1.96	1.76	1.52	0.34	0.12	0.08	
18	0.38	1.04	2.18	0.06	1.44	3.34	1.44	1.92	1.36	0.32	0.10	0.06	
19	0.22	0.60	6.52	0.06	0.64	1.84	0.96	3.08	1.24	0.30	0.10	0.06	
20	0.18	0.36	2.12	0.18	0.44	1.40	0.88	2.54	1.12	0.28	0.08	0.04	
21	0.26	0.32	1.24	0.16	0.34	1.20	1.32	1.92	1.08	0.26	0.08	0.04	
22	0.38	0.28	0.80	0.14	0.32	0.96	1.12	1.64	1.00	0.24	0.06	0.10	
23	0.30	0.24	0.52	0.38	0.30	0.80	1.44	1.48	0.96	0.24	0.06	0.08	
24	0.30	0.22	0.36	0.34	0.24	0.68	1.12	1.44	1.80	0.22	0.06	0.06	
25	0.28	0.24	0.28	0.24	0.22	0.60	0.96	1.28	1.48	0.22	0.04	0.04	
26	0.30	1.40	0.26	0.20	0.26	0.88	1.48	1.24	1.20	0.20	0.04	0.10	
27	0.40	0.80	0.24	0.18	0.18	5.80	1.84	1.16	1.08	0.18	0.04	0.14	
28	0.36	0.44	0.24	0.16	0.28	3.90	2.06	2.12	1.00	0.18	0.04	0.10	
29	0.34	0.34	0.22	0.14	0.40	2.06	1.96	2.78	0.88	0.16		0.10	
30	1.08	0.32	0.22	0.12	0.30	2.72	4.25	8.20	0.80	0.16		0.08	
31		0.26		0.10	0.22		2.30		0.76	0.14		0.06	
TOTAL	10.90	17.24	20.14	4.84	18.94	76.58	84.75	126.68	66.61	14.74	3.18	2.04	446.64 CMSDAY
MEAN	0.36	0.56	0.67	0.16	0.61	2.55	2.73	4.22	2.15	0.48	0.11	0.07	1.22 CMS
MAX	1.08	1.40	6.52	0.38	2.72	27.36	10.50	22.32	9.59	1.48	0.28	0.14	27.36 CMS
MIN	0.18	0.22	0.14	0.06	0.12	0.18	0.88	1.16	0.76	0.14	0.04	0.02	0.02 CMS
RUNOFF	0.942	1.490	1.740	0.418	1.636	6.617	7.322	10.945	5.755	1.274	0.275	0.176	38.590 MCM

MOMENTARY PEAK 55.60 CMS, AT 4.58 M (A.D), AT 18.00 HOURS, ON NOV 6, 1985

RUNOFF YIELD 16.32 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 741.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

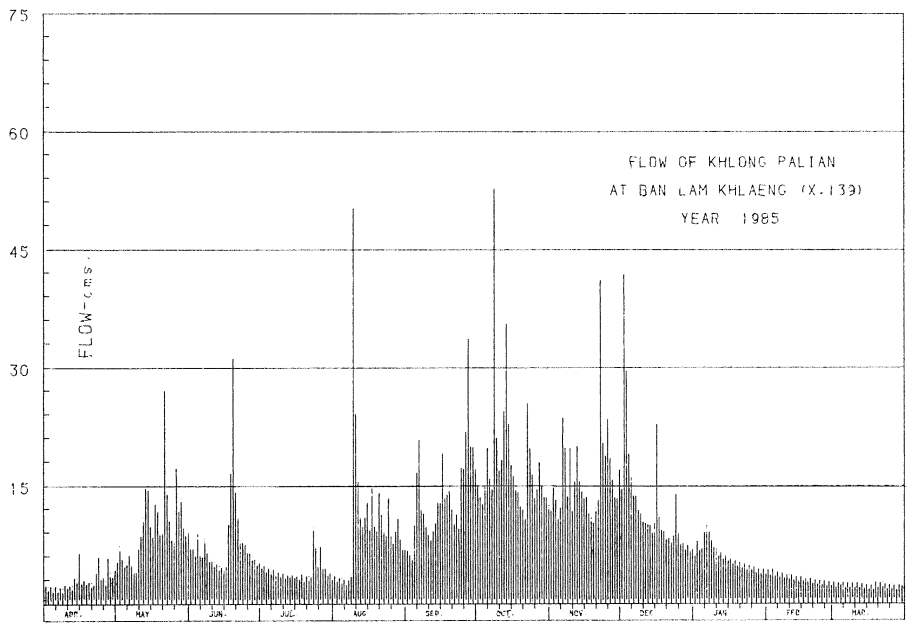
KHLONG PALIAN AT BAN LAM KHLAENG(2), TRANG (X.139)

LOCATION	LAT. 7-19-08 N., LONG. 99-49-03 N., ON RIGHT BANK AT BAN LAM KHLAENG(2), AMPHOE PALIAN, TRANG.
DRAINAGE AREA	153 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 11 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.106 M.(A.D.)
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	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 191 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.87	1.04	0.85	0.72	1.02	1.54	1.33	1.49	0.97	0.78	0.64	
2	0.59	1.03	1.00	0.83	0.71	0.94	1.43	1.53	2.81	1.07	0.77	0.63	
3	0.59	0.90	0.97	0.81	0.70	0.93	1.41	1.41	2.27	1.02	0.79	0.63	
4	0.57	0.87	1.14	0.80	0.69	1.21	1.52	1.29	1.77	1.00	0.76	0.66	
5	0.59	0.84	0.97	0.79	0.68	1.64	1.81	1.35	1.58	1.18	0.76	0.64	
6	0.57	0.98	0.92	0.79	0.67	1.84	1.57	2.00	1.47	1.21	0.75	0.63	
7	0.57	0.83	1.10	0.77	0.67	1.36	1.52	1.79	1.44	1.19	0.75	0.63	
8	0.57	0.80	0.96	0.76	0.76	1.31	3.23	1.46	1.36	1.08	0.74	0.63	
9	0.61	0.76	0.92	0.76	3.13	1.23	1.87	1.79	1.31	1.05	0.73	0.63	
10	0.63	1.04	0.88	0.75	2.02	1.13	1.63	1.35	1.27	1.00	0.73	0.63	
11	0.60	1.12	0.87	0.74	1.55	1.12	1.73	1.55	1.23	0.97	0.73	0.63	
12	0.61	1.28	0.85	0.73	1.30	1.16	2.02	1.82	1.25	0.96	0.72	0.63	
13	0.70	1.50	0.83	0.76	1.20	1.26	2.55	1.55	1.21	0.94	0.71	0.62	
14	0.70	1.52	0.81	0.73	1.31	1.39	1.94	1.50	1.18	0.93	0.71	0.62	
15	0.96	1.20	0.80	0.75	1.39	1.42	1.69	1.42	1.23	0.92	0.71	0.61	
16	0.68	1.15	0.82	0.72	1.20	1.75	1.59	1.46	1.96	0.90	0.71	0.60	
17	0.67	1.38	1.25	0.73	1.50	1.45	1.51	1.31	1.28	0.89	0.70	0.60	
18	0.68	1.36	1.61	0.74	1.23	1.45	1.47	1.27	1.20	0.88	0.70	0.60	
19	0.65	1.13	2.36	0.71	1.16	1.51	1.39	1.23	1.16	0.87	0.69	0.64	
20	0.64	1.18	1.47	0.72	1.49	1.34	1.34	1.35	1.12	0.87	0.68	0.63	
21	0.61	2.15	1.29	0.72	1.30	1.25	1.29	1.41	1.10	0.85	0.67	0.63	
22	0.80	1.48	1.18	0.71	1.17	1.30	2.07	2.78	1.09	0.85	0.67	0.64	
23	0.92	1.25	1.10	1.20	1.12	1.22	1.81	1.82	1.12	0.83	0.66	0.62	
24	0.73	1.12	1.04	1.01	1.45	1.65	1.60	1.76	1.48	0.83	0.66	0.61	
25	0.71	1.07	1.00	0.86	1.12	1.67	1.45	1.97	1.14	0.83	0.66	0.61	
26	0.67	1.67	0.96	1.02	1.09	1.89	1.49	1.74	1.08	0.82	0.65	0.61	
27	0.91	1.33	0.93	0.84	1.16	2.47	1.71	1.56	1.05	0.80	0.65	0.60	
28	0.76	1.43	0.90	0.80	1.30	1.80	1.51	1.46	1.03	0.79	0.65	0.60	
29	0.71	1.19	0.88	0.77	1.09	1.82	1.46	1.42	1.03	0.79		0.60	
30	0.83	1.16	0.86	0.75	1.03	1.64	1.43	1.66	1.01	0.79		0.65	
31		1.15		0.73	0.99		1.37		0.99	0.78		0.61	
MEAN	0.68	1.19	1.06	0.80	1.19	1.44	1.68	1.58	1.35	0.93	0.71	0.62	
MAX	0.96	2.15	2.36	1.20	3.13	2.47	3.23	2.78	2.81	1.21	0.79	0.66	3.23
MIN	0.57	0.76	0.80	0.71	0.67	0.93	1.29	1.23	0.99	0.78	0.65	0.60	0.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.15 M (A.D), AT 18.00 HOURS, ON AUG 9, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.24 M (A.D)
LEFT BANK ELEVATION 4.31 M (A.D)
RIGHT BANK ELEVATION 4.44 M (A.D), DRAINAGE AREA 153 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.30	5.34	7.52	5.10	3.54	7.26	15.38	11.81	14.53	6.61	4.26	2.70	
2	2.22	7.39	7.00	4.86	3.42	6.22	13.51	15.21	42.25	7.91	4.14	2.60	
3	2.22	5.70	6.61	4.62	3.30	6.09	13.17	13.17	29.57	7.26	4.38	2.60	
4	2.06	5.34	8.90	4.50	3.20	9.95	15.04	11.15	19.46	7.00	4.02	2.90	
5	2.22	4.98	6.61	4.38	3.10	17.12	20.20	12.15	16.06	9.50	4.02	2.70	
6	2.06	6.74	5.96	4.38	3.00	20.81	15.89	24.05	14.19	9.95	3.90	2.60	
7	2.06	4.86	8.30	4.14	3.00	12.32	15.04	19.82	13.68	9.65	3.90	2.60	
8	2.06	4.50	6.48	4.02	4.02	11.47	52.75	14.02	12.32	8.04	3.78	2.60	
9	2.40	4.02	5.96	4.02	50.25	10.25	21.42	19.82	11.47	7.65	3.66	2.60	
10	2.60	7.52	5.46	3.90	24.45	8.75	16.94	12.15	10.85	7.00	3.66	2.60	
11	2.30	8.60	5.34	3.78	15.55	8.60	18.74	15.55	10.25	6.61	3.66	2.60	
12	2.40	11.00	5.10	3.66	11.30	9.20	24.45	20.41	10.55	6.48	3.54	2.60	
13	3.30	14.70	4.86	4.02	9.80	10.70	36.00	15.55	9.95	6.22	3.42	2.50	
14	3.30	15.04	4.62	3.66	11.47	12.83	22.84	14.70	9.50	6.09	3.42	2.50	
15	6.48	9.80	4.50	3.90	12.83	13.34	18.02	13.34	10.25	5.96	3.42	2.40	
16	3.10	9.05	4.74	3.54	9.80	19.10	16.23	14.02	23.24	5.70	3.42	2.30	
17	3.00	12.66	10.55	3.66	14.70	13.85	14.87	11.47	11.00	5.58	3.30	2.30	
18	3.10	12.32	16.58	3.78	10.25	13.85	14.19	10.85	9.80	5.46	3.30	2.30	
19	2.80	8.75	31.58	3.42	9.20	14.87	12.83	10.25	9.20	5.34	3.20	2.70	
20	2.70	9.50	14.19	3.54	14.53	11.98	11.98	12.15	8.60	5.34	3.10	2.60	
21	2.40	27.09	11.15	3.54	11.30	10.55	11.15	13.17	8.30	5.10	3.00	2.60	
22	4.50	14.36	9.50	3.42	9.35	11.30	25.47	41.52	8.17	5.10	3.00	2.70	
23	5.96	10.55	8.30	9.80	8.60	10.10	20.20	20.41	8.60	4.86	2.90	2.50	
24	3.66	8.60	7.52	7.13	13.85	17.30	16.40	19.28	14.36	4.86	2.90	2.40	
25	3.42	7.91	7.00	5.22	8.60	17.66	13.85	23.44	8.90	4.86	2.90	2.40	
26	3.00	17.66	6.48	7.26	8.17	21.82	14.53	18.92	8.04	4.74	2.80	2.40	
27	5.83	11.81	6.09	4.98	9.20	34.11	18.38	15.72	7.65	4.50	2.80	2.30	
28	4.02	13.51	5.70	4.50	11.30	20.00	14.87	14.02	7.39	4.38	2.80	2.30	
29	3.42	9.65	5.46	4.14	8.17	20.41	14.02	13.34	7.39	4.38		2.30	
30	4.86	9.20	5.22	3.90	7.39	17.12	13.51	17.48	7.13	4.38		2.80	
31		9.05		3.66	6.87		12.49		6.87	4.26		2.40	
TOTAL	95.75	307.20	243.28	138.43	323.51	418.93	564.36	488.94	389.52	190.77	96.60	78.40	3335.69 CMSDAY
MEAN	3.19	9.91	8.11	4.47	10.44	13.96	18.21	16.30	12.57	6.15	3.45	2.53	9.14 CMS
MAX	6.48	27.09	31.58	9.80	50.25	34.11	52.75	41.52	42.25	9.95	4.38	2.90	52.75 CMS
MIN	2.06	4.02	4.50	3.42	3.00	6.09	11.15	10.25	6.87	4.26	2.80	2.30	2.06 CMS
RUNOFF	8.273	26.542	21.019	11.960	27.951	36.196	48.761	42.244	33.655	16.483	8.346	6.774	288.204 MCM

MOMENTARY PEAK 76.80 CMS, AT 4.15 M (A.D), AT 18.00 HOURS, ON AUG 9, 1985

RUNOFF YIELD 59.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 501.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

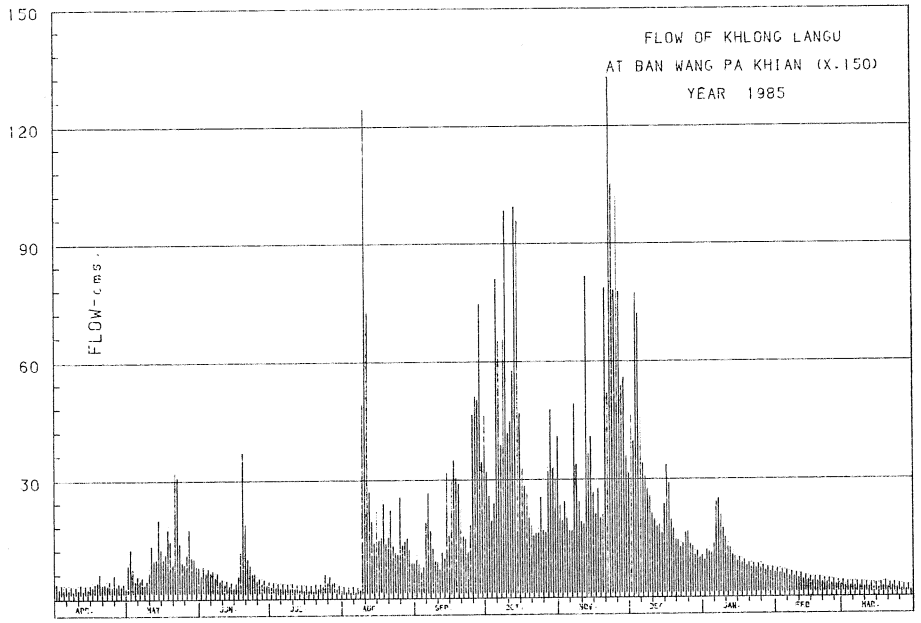
KHLONG LANGU AT BAN WANG PA KHIAN, SATUN (X.150)

LOCATION	LAT. 6-56-30 N., LONG. 99-52-33 E., ON RIGHT BANK AT BAN WANG PA KHIAN, AMPHOE LANGU, SATUN.
DRAINAGE AREA	552 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.520 M.(A.D.)
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 FLOAT	-
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 162 DISCHARGE MEASUREMENTS MADE IN 1985.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.78	1.11	1.02	0.82	0.70	1.25	2.30	1.87	2.87	1.23	1.03	0.80	
2	0.75	1.40	1.09	0.81	0.69	1.12	1.98	1.73	2.64	1.31	1.03	0.79	
3	0.75	1.06	1.06	0.80	0.68	1.05	1.74	1.91	4.01	1.35	1.02	0.78	
4	0.73	0.93	1.06	0.79	0.68	1.07	1.89	1.76	3.85	1.27	1.01	0.78	
5	0.72	0.94	1.07	0.79	0.70	1.72	4.16	1.57	2.84	1.45	1.00	0.79	
6	0.74	0.94	1.02	0.78	0.68	2.02	3.57	1.62	2.39	1.90	0.98	0.78	
7	0.72	0.92	0.99	0.78	0.67	1.62	2.60	2.98	2.20	1.99	0.98	0.77	
8	0.71	0.87	0.99	0.77	0.73	1.34	3.58	2.38	2.09	1.75	0.97	0.77	
9	0.71	0.84	0.93	0.77	2.98	1.22	4.74	1.91	1.97	1.64	0.96	0.77	
10	0.74	1.06	0.89	0.78	5.55	1.15	2.69	1.72	1.81	1.48	0.95	0.76	
11	0.76	1.39	0.87	0.77	3.85	1.12	2.85	1.65	1.70	1.40	0.95	0.76	
12	0.72	1.24	0.85	0.75	2.07	1.29	3.30	4.18	1.67	1.34	0.93	0.75	
13	0.74	1.19	0.84	0.75	1.69	1.27	4.77	2.46	1.64	1.30	0.92	0.75	
14	0.76	1.76	0.81	0.75	1.47	2.25	4.63	2.69	1.59	1.21	0.91	0.74	
15	0.75	1.34	0.80	0.74	1.81	1.56	2.92	2.01	1.88	1.21	0.90	0.73	
16	0.81	1.26	0.79	0.74	1.51	2.15	2.29	1.81	2.37	1.20	0.89	0.73	
17	0.77	1.27	1.00	0.72	1.49	2.44	2.14	2.06	2.12	1.18	0.89	0.75	
18	0.91	1.65	1.30	0.73	1.94	2.19	2.01	1.76	1.74	1.16	0.89	0.77	
19	0.98	1.45	2.53	0.73	1.41	2.17	1.77	1.76	1.59	1.14	0.89	0.79	
20	0.85	1.18	1.66	0.76	1.55	1.84	1.63	4.08	1.50	1.12	0.87	0.75	
21	0.77	2.26	1.26	0.78	1.82	1.55	1.56	3.08	1.44	1.12	0.86	0.74	
22	0.84	2.26	1.11	0.76	1.43	1.47	1.54	5.80	1.41	1.11	0.86	0.78	
23	0.84	1.42	1.04	0.82	1.29	1.35	1.60	4.92	1.40	1.11	0.85	0.75	
24	0.81	1.21	0.98	0.96	1.33	1.64	1.96	4.06	1.59	1.10	0.84	0.73	
25	0.96	1.12	0.94	0.90	1.97	2.91	1.62	4.82	1.55	1.11	0.83	0.72	
26	0.82	1.33	0.90	0.93	1.44	3.05	1.55	4.05	1.44	1.08	0.82	0.71	
27	0.79	1.60	0.89	0.89	1.44	3.06	2.30	3.15	1.36	1.07	0.81	0.70	
28	0.83	1.28	0.87	0.80	1.54	3.91	2.92	3.27	1.30	1.06	0.81	0.69	
29	0.78	1.20	0.85	0.76	1.33	2.41	2.33	2.43	1.30	1.05		0.70	
30	0.79	1.16	0.83	0.73	1.19	2.87	2.17	2.28	1.26	1.05		0.68	
31		1.08		0.72	1.13		2.69		1.23	1.04		0.67	
MEAN	0.79	1.28	1.04	0.79	1.57	1.87	2.57	2.73	1.93	1.28	0.92	0.75	
MAX	0.98	2.26	2.53	0.96	5.55	3.91	4.77	5.80	4.01	1.99	1.03	0.80	5.80
MIN	0.71	0.84	0.79	0.72	0.67	1.05	1.54	1.57	1.23	1.04	0.81	0.67	0.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.00 M (A.D), AT 17.00 HOURS, ON NOV 22, 1985
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 8.78 M (A.D)
RIGHT BANK ELEVATION 8.35 M (A.D), DRAINAGE AREA 552 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.80	8.47	7.02	4.22	3.00	10.85	32.90	23.44	46.32	10.51	7.18	4.00	
2	3.50	13.60	8.14	4.11	2.90	8.64	25.86	20.36	40.56	11.89	7.18	3.90	
3	3.50	7.66	7.66	4.00	2.80	7.50	20.58	24.32	77.48	12.65	7.02	3.80	
4	3.30	5.58	7.66	3.90	2.80	7.82	23.88	21.02	73.00	11.19	6.86	3.80	
5	3.20	5.74	7.82	3.90	3.00	20.14	81.80	16.90	45.54	14.55	6.70	3.90	
6	3.40	5.74	7.02	3.80	2.80	26.74	65.16	17.94	34.88	24.10	6.38	3.80	
7	3.20	5.42	6.54	3.80	2.70	17.94	39.60	49.18	30.70	26.08	6.38	3.70	
8	3.10	4.77	6.54	3.70	3.30	12.46	65.44	34.66	28.28	20.80	6.22	3.70	
9	3.10	4.44	5.58	3.70	49.18	10.34	99.28	24.32	25.64	18.38	6.06	3.70	
10	3.40	7.66	4.99	3.80	125.20	9.15	41.76	20.14	22.12	15.12	5.90	3.60	
11	3.60	13.41	4.77	3.70	73.00	8.64	45.80	18.60	19.70	13.60	5.90	3.60	
12	3.20	10.68	4.55	3.50	27.84	11.53	57.60	82.40	19.04	12.46	5.58	3.50	
13	3.40	9.83	4.44	3.50	19.48	11.19	100.24	36.42	18.38	11.70	5.42	3.50	
14	3.60	21.02	4.11	3.50	14.93	31.80	95.90	41.76	17.30	10.17	5.26	3.40	
15	3.50	12.46	4.00	3.40	22.12	16.70	47.62	26.52	23.66	10.17	5.10	3.30	
16	4.11	11.02	3.90	3.40	15.70	29.60	32.68	22.12	34.44	10.00	4.99	3.30	
17	3.70	11.19	6.70	3.20	15.31	35.98	29.38	27.62	28.94	9.66	4.99	3.50	
18	5.26	18.60	11.70	3.30	24.98	30.48	26.52	21.02	20.58	9.32	4.99	3.70	
19	6.38	14.55	37.99	3.30	13.79	30.04	21.24	21.02	17.30	8.98	4.99	3.90	
20	4.55	9.66	18.82	3.60	16.50	22.78	18.16	79.44	15.50	8.64	4.77	3.50	
21	3.70	32.02	11.02	3.80	22.34	16.50	16.70	51.78	14.36	8.64	4.66	3.40	
22	4.44	32.02	8.47	3.60	14.17	14.93	16.30	133.20	13.79	8.47	4.66	3.80	
23	4.44	13.98	7.34	4.22	11.53	12.65	17.50	105.04	13.60	8.47	4.55	3.50	
24	4.11	10.17	6.38	6.06	12.27	18.38	25.42	78.88	17.30	8.30	4.44	3.30	
25	6.06	8.64	5.74	5.10	25.64	47.36	17.94	101.84	16.50	8.47	4.33	3.20	
26	4.22	12.27	5.10	5.58	14.36	51.00	16.50	78.60	14.36	7.98	4.22	3.10	
27	3.90	17.50	4.99	4.99	14.36	51.26	32.90	53.60	12.84	7.82	4.11	3.00	
28	4.33	11.36	4.77	4.00	16.30	74.68	47.62	56.79	11.70	7.66	4.11	2.90	
29	3.80	10.00	4.55	3.60	12.27	35.32	33.56	35.76	11.70	7.50		3.00	
30	3.90	9.32	4.33	3.30	9.83	46.32	30.04	32.46	11.02	7.50		2.80	
31		7.98		3.20	8.81		41.76		10.51	7.34		2.70	
TOTAL	117.70	366.76	232.64	120.78	603.21	728.72	1267.64	1357.15	787.04	358.12	152.95	107.80	6200.51 CMSDAY
MEAN	3.92	11.83	7.75	3.90	19.46	24.29	40.89	45.24	25.39	11.55	5.46	3.48	16.99 CMS
MAX	6.38	32.02	37.99	6.06	125.20	74.68	100.24	133.20	77.48	26.08	7.18	4.00	133.20 CMS
MIN	3.10	4.44	3.90	3.20	2.70	7.50	16.30	16.90	10.51	7.34	4.11	2.70	2.70 CMS
RUNOFF	10.169	31.688	20.100	10.435	52.117	62.961	109.524	117.258	68.000	30.942	13.215	9.314	535.724 MCM

MOMENTARY PEAK 139.70 CMS, AT 6.00 M (A.D), AT 17.00 HOURS, ON NOV 22, 1985

RUNOFF YIELD 30.77 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 253.08 LITERS/SECOND/SQUARE KM

SUSPENDED SEDIMENT STATIONS

1. Nam Mae Chaem at Kaeng Ob Luang, Chiang Mai (P. 14)
2. Ping River at BanTha Sala, Chiang Mai (P. 19A)
3. Yom River at Ban Kaeng Luang, Sukhothai (Y. 6)
4. Yom River at Ban Don Rabiang, Sukhothai (Y. 14)
5. Yom River at Ban Ngao Sak, Phrae (Y. 20)
6. Nan River at Nan, Nan (N. 1)
7. Nan River at Phitsanulok, Phitsanulok (N. 5A)
8. Nam Pat at Ban Wang Bang, Uttaradit (N. 33)
9. Chao Phraya River at Nakhon Sawan, Nakhon Sawan (C. 2)
10. Nam Mae Wong at Ban Pong Makha, Kamphaeng Phet (Ct. 5A)
11. Pasak River at Ban Muang Nua, Saraburi (S. 9)
12. Huai Nam Kam at Ban Dan Muang Kham, Sakon Nakhon (Kh. 63)
13. Lam Nam Bang at Ban Dong I Nam, Nakhon Phanom (Kh. 66)
14. Chi River at Ban Tha Phra, Khon Kaen (E. 16A)
15. Chi River at Ban Nong O, Chaiyaphum (E. 32A)
16. Chi River at Ban Khok Phangat, Chaiyaphum (E. 60)
17. Mun River at Seri Prachathippatai Bridge, Ubon Ratchathani (M. 7)
18. Lam Dom Yai at Det Udom, Ubon Ratchathani (M. 80)
19. Lam Takhong at Pak Chong, Nakhon Ratchasima (M. 89)
20. Huai Lam Plai Mat at Ban Non Sombun, NakhonRatchasima (M. 121)
21. Prachin Buri River at Kabin Buri, Prachin Buri (Kgt. 3)
22. Khlong Phra Sathung at Ban Wang Khian, Prachin Buri (Kgt. 10)
23. Khlong Phra Prong at Ban Kaeng, Prachin Buri (Kgt. 12)
24. Khwae Noi River at Ban Lum Sum, Kanchanaburi (K. 10)
25. Lam Phachi at Ban Bo Khem, Ratchaburi (K. 17)
26. Lam Taphoen at Ban Wang Yai, Kanchanaburi (K. 27)
27. Huai Mae Prachan at Ban Sa Yai Non, Phetchaburi (B. 6)
28. Khlong Bang Saphan Yai at Ban Wang Yao, Prachuap Khiri Khan (Gt. 7)
29. Trang River at BanTha Pradu, Trang (X. 56)
30. Khlong Rattaphum at Ban Khamphaeng Phet, Songkhla (X. 67)
31. Khlong Tha Khae at Ban Tha Khae, Phatthalung (X. 68)
32. Khlong U Taphao at Ban Bang Sala, Songkhla (X. 90)
33. Khlong Takhian at Ban Rim Khlong, Surat Thani (X. 103)
34. Khlong Lamphu La at BanThung Ngiu, Trang (X. 110)
35. Khlong Sadao at Ban Phrai, Songkhla (X. 111)
36. Khlong Lam at Ban Thung Prap (1), Songkhla (X. 113)
37. Khlong Tha Ma Dua at Ban Khlong Ai To, Phatthalung (X. 129)

WATER YEAR 1985

PING RIVER BASIN

NAM MAE CHAEM AT KAENG OB LUANG, CHIANG MAI (P.14)

LOCATION	LAT. 18-13-49 N., LONG. 98-33-35 E., ON RIGHT BANK NEAR THE BRIDGE OF HOT-MAE SARIANG HIGHWAY AT GUIDEPOST 7+500, AMPHOE HOT, CHIANG MAI.
DRAINAGE AREA	3,853 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1967-1975,1983 TO DATE
ACTUAL MEASUREMENT	1970-1971,1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - KAENG OB LUANG, HOT, CHIANG MAI, P.14
STREAM - NAM MAE CHAEM
RIVER - PING
RIVER SYSTEM - PING

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

$QS = 0.0980\ QW^{2.53701}$

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.7	33.2	139.6	2201.2	635.2	2597.6	65434.8	3512.9	1353.7	294.9	120.2	40.3	
2	4.7	18.0	160.7	1062.7	543.3	2355.0	22666.0	3316.4	1202.9	294.9	120.2	40.3	
3	4.7	14.1	120.2	635.2	571.4	1912.3	9200.0	2201.2	1108.2	294.9	111.2	44.4	
4	4.7	11.0	102.6	415.5	1406.5	5793.0	7288.4	1843.9	975.0	279.2	102.6	44.4	
5	4.7	9.7	102.6	311.1	1647.6	4409.6	4659.6	1585.2	891.8	264.1	94.4	48.8	
6	4.7	6.5	86.6	311.1	1202.9	2943.7	3413.8	1524.2	851.9	264.1	94.4	48.8	
7	4.7	7.5	86.6	249.5	1406.5	1912.3	2767.3	1524.2	775.4	249.5	94.4	44.4	
8	4.7	9.7	111.2	235.3	1155.0	1524.2	2355.0	1406.5	738.8	249.5	86.6	40.3	
9	4.7	94.4	160.7	279.2	851.9	1406.5	1982.2	1302.3	668.7	235.3	86.6	40.3	
10	4.0	80.4	208.5	311.1	1202.9	4287.7	1711.6	1252.0	668.7	221.7	80.4	36.4	
11	2.7	63.4	183.7	294.9	1647.6	12151.1	1524.2	1155.0	635.2	221.7	80.4	36.4	
12	2.7	68.8	221.7	4659.6	1464.6	56554.9	1353.7	1202.9	602.8	208.5	80.4	36.4	
13	2.7	20.1	120.2	2126.7	1647.6	44064.2	1202.9	3034.3	543.3	208.5	80.4	33.2	
14	2.2	24.9	80.4	6107.5	1252.0	68570.6	2201.2	27167.0	516.1	208.5	74.5	30.3	
15	4.7	22.4	86.6	3820.6	891.8	49745.8	2355.0	25893.4	489.7	208.5	74.5	30.3	
16	5.6	14.1	80.4	3126.7	1406.5	45290.8	2434.2	15093.1	464.1	208.5	74.5	27.5	
17	6.5	40.3	294.9	1302.3	1912.3	28926.5	4659.6	9200.0	439.4	195.9	74.5	24.9	
18	86.6	208.5	129.7	1062.7	2434.2	30287.7	21547.4	5949.0	439.4	195.9	68.8	20.1	
19	602.8	68.8	813.1	1353.7	2434.2	28482.9	23846.4	4918.1	415.5	183.7	63.4	20.1	
20	74.5	94.4	813.1	2515.1	3034.3	13175.7	18108.1	5488.6	415.5	183.7	58.2	20.1	
21	27.5	63.4	1062.7	1777.0	4659.6	7649.3	12151.1	4050.1	392.4	172.0	53.4	22.4	
22	15.9	63.4	1843.9	1018.2	4787.8	5639.6	21185.0	2943.7	370.1	183.7	53.4	22.4	
23	12.4	111.2	1843.9	813.1	3126.7	6938.1	11657.5	2434.2	348.5	172.0	53.4	22.4	
24	11.0	102.6	703.2	1155.0	2355.0	7288.4	6432.0	2053.7	370.1	160.7	53.4	20.1	
25	8.5	102.6	489.7	1302.3	1912.3	12916.4	4659.6	1777.0	348.5	160.7	53.4	18.0	
26	18.0	129.7	327.8	975.0	1777.0	8598.2	4167.9	1647.6	348.5	149.9	48.8	18.0	
27	30.3	80.4	415.5	891.8	1711.6	5949.0	4533.6	1464.6	348.5	149.9	44.4	15.9	
28	33.2	235.3	415.5	516.1	1843.9	4659.6	3126.7	1406.5	327.8	129.7	44.4	14.1	
29	58.2	703.2	932.8	1018.2	3316.4	4787.8	2515.1	1353.7	327.8	129.7		14.1	
30	44.4	635.2	3413.8	891.8	2597.6	5949.0	2434.2	1353.7	311.1	139.6		14.1	
31		439.4		703.2	1982.2		2434.2		294.9	139.6		14.1	
TOTAL	1096.7	3576.6	15551.9	43443.4	58818.4	476767.5	276008.3	139055.0	17984.3	6359.0	2125.2	903.3	1041689.6 TONDAY
MEAN	36.6	115.4	518.4	1401.4	1897.4	15892.3	8903.5	4635.2	580.1	205.1	75.9	29.1	
MAX	602.8	703.2	3413.8	6107.5	4787.8	68570.6	65434.8	27167.0	1353.7	294.9	120.2	48.8	68570.6
MIN	2.2	6.5	80.4	235.3	543.3	1406.5	1202.9	1155.0	294.9	129.7	44.4	14.1	2.2

WATER YEAR 1985

PING RIVER BASIN

PING RIVER AT BAN THA SALA, CHIANG MAI (P.19A)

LOCATION	LAT. 18-25-29 N., LONG. 98-42-17 E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE WITH LI RIVER, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	14,023 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1958 TO DATE
ACTUAL MEASUREMENT	1966-1968,1970-1972,1974-1979,1987
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1966-1968,1970-1972,1974-1979

RID COMPUTER CENTER

47-1602001

STATION - BAN THA SALA, CHOM THONG, CHIANG MAI, P.19A
STREAM - PING
RIVER - PING
RIVER SYSTEM - PING

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.43251
QS = 1.4660 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.2	25.0	415.3	122.0	770.7	708.8	2819.2	1436.8	2255.1	287.1	60.7	16.9	
2	22.2	25.0	500.3	115.3	1113.0	649.8	4569.0	3176.8	2121.6	277.3	60.7	25.0	
3	22.2	47.3	487.5	95.8	1113.0	664.4	3729.4	3377.2	1840.3	267.6	51.7	60.7	
4	25.0	47.3	462.2	80.2	935.6	606.6	2698.5	2391.1	1629.5	197.0	43.8	70.3	
5	27.9	108.7	381.0	65.5	901.9	552.4	1938.8	1864.8	1457.9	172.6	37.2	80.2	
6	27.9	248.6	287.1	60.7	1021.7	565.6	1521.6	1651.4	1312.5	157.3	34.0	90.5	
7	25.0	188.7	222.4	43.8	952.7	415.3	1152.1	1457.9	1231.5	142.8	27.9	75.2	
8	22.2	95.8	150.0	30.9	723.8	337.4	868.5	1271.8	1152.1	135.8	27.9	60.7	
9	22.2	70.3	142.8	30.9	539.2	296.9	754.7	1113.0	1056.7	135.8	25.0	65.5	
10	19.5	51.7	142.8	51.7	381.0	258.1	664.4	987.0	969.8	157.3	25.0	56.1	
11	19.5	40.5	135.8	30.9	317.0	358.7	526.1	952.7	952.7	150.0	15.3	51.7	
12	13.9	30.9	205.3	65.5	317.0	1211.5	438.5	1004.3	935.6	135.8	15.3	47.3	
13	11.1	22.2	222.4	188.7	347.7	2915.5	392.3	1564.5	885.1	115.3	13.9	43.8	
14	9.7	15.3	180.6	287.1	347.7	5021.0	438.5	4650.2	868.5	115.3	12.4	34.0	
15	8.5	15.3	164.7	500.3	306.9	7081.5	539.2	11618.8	835.5	108.7	15.3	30.9	
16	7.2	15.3	157.3	819.1	306.9	8390.9	592.4	15374.0	770.7	108.7	22.2	27.9	
17	8.5	13.9	164.7	851.9	381.0	9729.3	592.4	19092.1	693.9	115.3	34.0	27.9	
18	34.0	15.3	172.6	635.3	513.1	10645.9	1056.7	18380.7	679.1	108.7	27.9	22.2	
19	37.2	22.2	306.9	526.1	868.5	10732.4	3143.8	17178.2	664.4	102.2	13.9	16.9	
20	70.3	40.5	306.9	450.3	1271.8	10178.4	5315.3	15539.5	606.6	90.5	8.5	16.9	
21	80.2	56.1	392.3	462.2	1543.0	7355.1	5952.2	13532.3	606.6	80.2	4.0	16.9	
22	80.2	51.7	487.5	392.3	2282.1	4813.9	6919.2	11341.9	552.4	80.2	7.2	15.3	
23	80.2	75.2	500.3	277.3	2755.6	3143.8	7300.1	9876.4	500.3	70.3	9.7	12.4	
24	75.2	115.3	450.3	267.6	2201.4	2309.2	6045.3	7190.6	474.8	70.3	11.1	15.3	
25	65.5	122.0	500.3	415.3	1586.1	2068.8	4609.5	5721.3	438.5	65.5	11.1	27.9	
26	56.1	172.6	500.3	693.9	1113.0	2391.1	3143.8	4488.2	415.3	56.1	9.7	43.8	
27	47.3	296.9	358.7	885.1	918.7	2613.5	2446.1	3657.9	392.3	56.1	11.1	47.3	
28	34.0	306.9	239.8	738.8	819.1	2174.7	2068.8	3045.3	381.0	47.3	22.2	56.1	
29	30.9	306.9	180.6	649.8	723.8	1791.6	1719.3	2585.4	358.7	51.7		60.7	
30	27.9	327.1	135.8	620.9	693.9	1673.4	1521.6	2336.4	337.4	60.7		47.3	
31		347.7		620.9	664.4		1374.2		306.9	56.1		37.2	
TOTAL	1033.7	3318.2	8954.5	11076.1	28731.3	101655.5	76851.5	187858.5	27683.3	3775.6	658.7	1300.8	452897.8 TONDAY
MEAN	34.5	107.0	298.5	357.3	926.8	3388.5	2479.1	6262.0	893.0	121.8	23.5	42.0	
MAX	80.2	347.7	500.3	885.1	2755.6	10732.4	7300.1	19092.1	2255.1	287.1	60.7	90.5	19092.1
MIN	7.2	13.9	135.8	30.9	306.9	258.1	392.3	952.7	306.9	47.3	4.0	12.4	4.0

WATER YEAR 1985

YOM RIVER BASIN

YOM RIVER AT BAN KAENG LUANG, SUKHOTHAI (Y.6)

LOCATION	LAT. 17-26-03 N., LONG. 99-47-32 E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM KAENG LUANG, AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,658 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1953-1975,1980 TO DATE
ACTUAL MEASUREMENT	1952,1963-1966,1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN KAENG LUANG, SI SATCHANALAI, SUKHOTHAI, Y.6
STREAM - YOM
RIVER - YOM
RIVER SYSTEM - YOM

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.57396
QS = 0.6746 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.0	9.9	831.7	74.7	375.4	1083.0	1503.3	846.0	803.5	62.7	15.4	9.9	
2	0.7	93.8	761.7	62.7	328.6	964.9	1440.2	667.5	707.3	62.7	15.4	9.9	
3	0.5	64.9	948.4	58.3	292.9	2198.4	1676.2	576.7	632.4	60.5	14.4	9.9	
4	0.5	29.4	610.6	153.2	351.2	2578.7	1698.4	526.4	565.5	58.3	14.4	9.9	
5	0.5	28.1	516.8	115.2	489.6	4154.0	1654.3	471.0	526.4	58.3	13.8	9.9	
6	0.4	23.3	471.0	74.7	351.2	2548.7	1278.6	426.7	489.6	49.9	13.8	9.9	
7	0.4	16.1	298.7	58.3	313.5	1810.4	889.4	384.0	461.7	47.9	12.8	9.9	
8	0.4	25.7	167.2	42.0	273.7	1260.3	680.7	351.2	426.7	49.9	11.9	9.9	
9	0.4	42.0	100.3	34.6	254.9	948.4	555.6	344.0	384.0	47.9	11.9	9.9	
10	0.4	32.8	74.7	28.1	261.4	734.3	452.6	298.7	351.2	43.9	11.3	9.9	
11	9.9	28.1	56.2	25.7	273.7	587.9	375.4	280.3	336.8	40.1	10.4	9.9	
12	0.4	24.5	47.9	31.1	273.7	1117.7	328.6	273.7	298.7	40.1	9.9	9.9	
13	0.3	29.4	42.0	31.1	336.8	9787.8	292.9	313.5	280.3	38.2	9.9	9.9	
14	0.2	47.9	40.1	80.1	366.9	19892.3	267.0	904.0	261.4	36.4	9.9	9.9	
15	0.2	34.6	67.2	461.7	489.6	13757.7	261.4	2980.6	243.0	34.6	9.9	9.9	
16	0.2	22.2	45.9	933.5	507.3	9697.0	417.8	5384.4	237.6	34.6	9.9	2.0	
17	0.6	17.1	34.6	1337.3	489.6	15564.1	831.7	3991.5	208.5	29.4	9.9	1.9	
18	0.7	12.8	49.9	1567.3	576.7	9697.0	4277.5	2730.8	186.6	28.1	9.9	1.9	
19	0.7	10.4	153.2	1100.3	1135.2	6648.1	9468.0	3012.4	176.8	28.1	9.9	1.7	
20	1.9	9.9	72.4	998.1	3951.2	4698.4	8064.8	8499.1	148.6	26.9	9.9	1.6	
21	2.0	9.9	52.0	748.0	2669.6	2730.8	9787.8	8136.6	123.6	24.5	9.9	1.6	
22	1.9	9.9	64.9	576.7	2823.5	1765.3	12132.1	6216.1	123.6	24.5	9.9	1.6	
23	9.9	9.9	69.5	471.0	4318.9	1242.1	7498.9	5183.3	127.2	21.1	9.9	1.6	
24	9.9	9.9	93.8	499.0	6648.1	1100.3	6004.1	3673.6	119.4	18.9	9.9	1.6	
25	9.9	88.1	72.4	499.0	4318.9	1117.7	4277.5	2548.7	104.3	18.9	9.9	1.4	
26	9.9	408.9	85.6	328.6	2792.5	2313.1	2608.9	1878.9	88.1	18.9	9.9	1.4	
27	9.9	321.6	91.3	267.0	2371.2	4486.1	1765.3	1482.2	83.2	17.8	9.9	1.3	
28	9.9	400.2	83.2	321.6	2141.9	2980.6	1357.7	1224.1	80.1	17.8	1.9	1.3	
29	9.9	471.0	69.5	426.7	1810.4	2141.9	1100.3	1048.8	72.4	17.1		1.1	
30	9.9	1224.1	69.5	366.9	1567.3	1503.3	904.0	904.0	72.4	17.1		1.1	
31		1242.1		351.2	1296.9		998.1		69.5	16.1		1.0	
TOTAL	103.4	4798.5	6142.2	12123.7	44452.3	131110.3	84849.1	65558.8	8790.4	1091.2	305.8	172.6	359498.3 TONDAY
MEAN	3.4	154.8	204.7	391.1	1433.9	4370.3	2737.1	2185.3	283.6	35.2	10.9	5.6	
MAX	9.9	1242.1	948.4	1567.3	6648.1	19892.3	12132.1	8499.1	803.5	62.7	15.4	9.9	19892.3
MIN	0.2	9.9	34.6	25.7	254.9	587.9	261.4	273.7	69.5	16.1	1.9	1.0	0.2

WATER YEAR 1985

YOM RIVER BASIN

YOM RIVER AT BAN DON RABIANG, SUKHOTHAI (Y.14)

LOCATION	LAT. 17-35-42 N., LONG. 99-43-08 E., ON LEFT BANK ABOUT 50 METERS FROM SI SATCHANALAI-DEN CHAI HIGHWAY NO. 101 AT GUIDEPOST 44 TH., AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,131 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1964 TO DATE
ACTUAL MEASUREMENT	1969-1971,1973 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN DON RABIANG, SI SATCHANALAI, SUKHOTHAI, Y.14
STREAM - YOM
RIVER - YOM
RIVER SYSTEM - YOM

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION 160988
1.63080
QS = 0.6468 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.6	39.8	758.4	82.1	335.3	1034.8	1655.8	771.4	707.1	65.0	22.2	7.0	
2	0.6	96.3	1034.8	67.6	272.7	991.3	1462.8	608.9	645.0	62.6	22.2	6.5	
3	0.5	55.3	920.3	72.7	231.4	4239.6	1880.9	527.6	561.9	62.6	22.2	6.5	
4	0.5	29.9	573.5	142.6	352.1	8394.0	1767.0	472.4	516.4	62.6	22.2	6.5	
5	0.5	39.8	494.2	107.5	409.2	4357.7	1974.0	419.5	472.4	60.1	20.8	6.5	
6	0.5	26.7	352.1	82.1	294.9	2668.1	1154.5	369.1	429.9	57.7	20.8	6.5	
7	0.4	22.2	224.8	60.1	265.7	1880.9	824.4	335.3	409.2	55.3	22.2	6.5	
8	0.4	48.4	128.9	48.4	238.1	1169.8	608.9	310.8	352.1	53.0	18.1	6.0	
9	0.4	46.2	82.1	39.8	231.4	906.3	494.2	294.9	318.9	53.0	16.7	6.0	
10	0.4	37.7	67.6	37.7	231.4	694.5	389.0	265.7	302.8	50.7	15.5	5.5	
11	0.4	31.8	57.7	35.7	251.7	550.4	327.1	251.7	287.1	48.4	15.5	5.5	
12	0.4	29.9	53.0	37.7	251.7	1612.1	279.9	238.1	251.7	46.2	14.6	5.0	
13	0.3	53.0	48.4	48.4	327.1	15648.9	251.7	294.9	251.7	44.0	14.6	5.0	
14	0.2	48.4	48.4	89.1	369.1	23643.0	244.9	906.3	224.8	41.9	13.7	4.5	
15	0.3	33.7	57.7	538.9	483.2	15648.9	258.7	3742.5	211.7	39.8	13.7	4.5	
16	0.3	25.2	50.7	1339.4	505.2	11804.9	409.2	6149.7	192.8	37.7	12.8	4.1	
17	1.0	20.8	44.0	1722.2	472.4	19727.0	632.9	4007.2	168.5	37.7	12.0	3.7	
18	6.0	15.5	82.1	1526.1	657.3	10808.1	3094.4	2697.2	156.9	35.7	11.2	3.3	
19	5.0	13.7	111.4	1124.1	1927.3	7938.2	9959.7	3557.7	147.3	33.7	10.4	2.6	
20	4.1	12.0	65.0	991.3	4760.5	5019.4	8859.5	10322.6	120.0	33.7	10.4	2.6	
21	3.7	12.0	72.7	719.8	2874.4	2726.4	11054.1	9129.9	107.5	33.7	9.7	2.3	
22	7.0	9.7	78.7	550.4	3484.8	1633.9	13540.8	6615.8	115.6	31.8	8.9	2.3	
23	13.7	8.2	100.0	440.4	6098.7	1154.5	7555.4	5746.5	111.4	29.9	8.2	2.3	
24	8.2	8.2	92.7	550.4	8262.7	1005.7	6668.4	3742.5	103.7	28.3	8.2	2.3	
25	5.0	258.7	82.1	419.5	4678.8	1064.3	4122.8	2467.8	92.7	26.7	7.5	2.3	
26	4.5	450.9	92.7	279.9	2994.9	3199.1	2467.8	1744.5	82.1	26.7	7.0	2.1	
27	4.5	294.9	92.7	251.7	2726.4	4972.3	1633.9	1359.6	78.7	25.2	7.0	2.1	
28	19.4	516.4	85.6	369.1	2273.6	3199.1	1200.7	1139.3	75.4	25.2	7.0	1.8	
29	23.7	450.9	72.7	389.0	1927.3	2117.0	948.4	934.3	75.4	23.7		1.8	
30	12.0	2356.1	75.4	318.9	1590.4	1400.6	824.4	811.0	72.7	23.7		1.8	
31		1109.1		343.7	1263.4		962.6		67.6	23.7		1.6	
TOTAL	124.5	6201.4	6100.4	12826.3	51043.1	161210.8	87508.8	70234.7	7711.0	1280.0	395.3	127.0	404763.3 TONDAY
MEAN	4.2	200.0	203.3	413.8	1646.6	5373.7	2822.9	2341.2	248.7	41.3	14.1	4.1	
MAX	23.7	2356.1	1034.8	1722.2	8262.7	23643.0	13540.8	10322.6	707.1	65.0	22.2	7.0	23643.0
MIN	0.2	8.2	44.0	35.7	231.4	550.4	244.9	238.1	67.6	23.7	7.0	1.6	0.2

WATER YEAR 1985

YOM RIVER BASIN

YOM RIVER AT BAN NGAO SAK, PHRAE (Y.20)

LOCATION	LAT. 18-35-03 N., LONG. 100-09-17 E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM SOP?1 NGAO, TAMBON TAO POON, AMPHOE SONG, PHRAE.
DRAINAGE AREA	5,410 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984 TO DATE
ACTUAL MEASUREMENT	1978 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984-1985

RID COMPUTER CENTER

47-1602001

STATION - BAN NGAO SAK, SONG, PHRAE, Y.20
STREAM - YOM
RIVER - YOM
RIVER SYSTEM - YOM

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.98934
QS = 0.2198 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.7	9.8	544.1	21.5	184.5	8644.8	1701.1	117.4	143.5	17.8	8.4	3.3	
2	0.7	10.6	812.6	26.2	138.1	4639.6	1009.2	127.5	127.5	19.0	7.8	4.0	
3	0.7	41.3	412.5	27.8	166.3	2662.2	506.4	112.5	112.5	13.4	7.8	4.4	
4	0.7	20.2	117.4	23.0	297.4	2141.3	380.6	107.7	90.8	15.5	7.8	4.0	
5	0.7	19.0	59.5	17.8	315.0	1488.4	297.4	98.8	103.0	15.5	7.8	4.0	
6	0.6	17.8	37.0	16.6	306.2	899.3	184.5	90.8	90.8	15.5	8.4	3.6	
7	1.4	9.8	27.8	13.4	184.5	652.3	154.7	75.7	83.1	15.5	7.8	3.3	
8	1.2	43.7	19.0	12.4	160.5	458.3	127.5	65.3	75.7	14.5	7.8	3.0	
9	1.1	62.4	16.6	12.4	132.8	333.2	103.0	59.5	65.3	15.5	7.1	3.0	
10	1.1	13.4	14.5	10.6	333.2	1165.4	94.7	48.7	59.5	14.5	6.5	3.0	
11	0.9	7.8	12.4	10.6	1311.3	4639.6	107.7	51.3	56.7	14.5	6.0	3.3	
12	0.9	6.5	11.5	107.7	583.1	6437.4	117.4	54.0	54.0	13.4	5.4	3.0	
13	0.8	4.4	9.8	324.0	583.1	7902.6	117.4	56.7	51.3	13.4	5.4	2.4	
14	0.8	4.0	9.1	1125.3	280.3	3479.1	83.1	112.5	48.7	14.5	5.4	2.4	
15	0.7	3.6	9.1	1145.3	210.3	17524.1	83.1	390.5	46.2	14.5	5.4	2.1	
16	0.6	4.9	13.4	762.7	2280.3	7742.2	75.7	795.8	43.7	14.5	4.9	2.1	
17	1.4	4.4	15.5	569.9	14568.9	4890.3	72.2	3881.4	41.3	12.4	5.4	2.1	
18	2.7	3.0	762.7	280.3	5923.9	2059.9	149.1	2723.5	37.0	12.4	4.4	1.8	
19	6.0	2.7	172.3	160.5	2880.0	1066.4	1980.2	1443.1	35.1	10.6	4.0	1.8	
20	7.8	6.5	79.3	112.5	4739.1	609.9	1465.7	3113.9	33.2	9.8	3.6	1.8	
21	6.0	6.5	518.8	103.0	13591.3	412.5	3113.9	3630.8	29.6	9.8	3.6	1.8	
22	3.3	20.2	342.4	117.4	12913.6	361.3	5861.1	1825.3	27.8	9.8	3.3	1.6	
23	3.3	24.5	247.6	361.3	4590.2	2452.9	1701.1	953.5	26.2	9.1	3.3	1.4	
24	3.3	83.1	86.9	667.5	2571.5	3630.8	698.5	583.1	26.2	9.1	3.3	1.4	
25	3.3	62.4	48.7	1185.7	1953.9	2880.0	390.5	412.5	26.2	9.1	3.3	1.2	
26	2.4	62.4	41.3	342.4	1750.3	2365.8	272.0	315.0	23.0	9.8	3.3	1.2	
27	3.0	54.0	27.8	197.2	1581.2	1105.5	224.4	272.0	23.0	10.6	3.3	1.2	
28	4.4	39.0	21.5	112.5	899.3	596.4	197.2	224.4	20.2	9.8	3.6	1.2	
29	7.1	51.3	16.6	94.7	746.4	556.9	166.3	178.4	16.6	9.1		1.2	
30	8.4	1850.7	17.8	94.7	812.6	1185.7	132.8	154.7	21.5	9.8		1.2	
31		1009.2		247.6	762.7		117.4		21.5	9.1		1.2	
TOTAL	76.0	3559.1	4525.5	8304.5	77751.8	94984.1	21685.9	22076.3	1660.7	391.8	154.1	73.0	235242.8 TONDAY
MEAN	2.5	114.8	150.8	267.9	2508.1	3166.1	699.5	735.9	53.6	12.6	5.5	2.4	
MAX	8.4	1850.7	812.6	1185.7	14568.9	17524.1	5861.1	3881.4	143.5	19.0	8.4	4.4	17524.1
MIN	0.6	2.7	9.1	10.6	132.8	333.2	72.2	48.7	16.6	9.1	3.3	1.2	0.6

WATER YEAR 1985

NAN RIVER BASIN

NAN RIVER AT NAN, NAN (N.1)

LOCATION	LAT. 18-46-23 N., LONG. 100-46-51 E., ON RIGHT BANK INFRONT OF FORESTRY OFFICE, AMPHOE MUANG, NAN.
DRAINAGE AREA	4,609 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1980 TO DATE
ACTUAL MEASUREMENT	1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - NAN, MUANG, NAN, N.1
STREAM - NAN
RIVER - NAN
RIVER SYSTEM - NAN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.81926
QS = 0.2531 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.7	47.7	396.0	2619.0	3079.7	24074.4	1725.5	434.8	461.5	79.6	32.8	18.2	
2	5.6	66.1	531.4	1121.3	2891.4	16819.8	1277.4	649.3	371.1	74.8	30.8	18.2	
3	7.6	62.2	289.7	649.3	3422.1	13403.7	1151.8	502.9	278.8	74.8	28.8	16.7	
4	25.1	58.4	289.7	502.9	3625.0	9932.3	858.3	488.9	247.3	74.8	28.8	16.7	
5	32.8	54.7	189.4	358.9	4660.1	7591.9	707.3	396.0	237.2	74.8	28.8	18.2	
6	47.7	47.7	105.9	312.0	3780.7	5621.5	630.5	408.8	268.1	74.8	26.9	18.2	
7	18.2	23.3	70.1	268.1	5292.1	4265.2	560.6	335.1	207.9	70.1	26.9	18.2	
8	8.7	16.7	54.7	408.8	6307.2	3422.1	531.4	278.8	189.4	66.1	26.9	18.2	
9	6.6	12.4	44.3	461.5	6573.5	2891.4	517.1	257.6	180.4	58.4	26.9	18.2	
10	4.7	11.1	37.9	560.6	10149.2	3032.1	475.1	247.3	171.7	58.4	26.9	18.2	
11	3.9	9.9	32.8	593.6	14027.4	2487.3	461.5	227.2	146.5	58.4	26.9	18.2	
12	3.2	21.5	32.8	630.5	14407.8	3372.2	461.5	227.2	138.5	58.4	26.9	18.2	
13	2.5	19.9	32.8	668.4	5455.7	5874.5	448.0	247.3	123.2	58.4	26.9	18.2	
14	2.5	18.2	32.8	2619.0	3322.6	4971.6	434.8	257.6	111.5	58.4	26.9	18.2	
15	3.2	16.7	41.1	5959.9	9505.1	4507.8	475.1	268.1	111.5	58.4	25.1	16.7	
16	3.2	15.2	44.3	6573.5	127840.4	4376.4	408.8	408.8	105.9	58.4	25.1	15.2	
17	9.9	23.3	44.3	2891.4	129635.8	3175.9	408.8	978.2	105.9	54.7	25.1	13.8	
18	28.8	16.7	62.2	2110.8	36395.0	2401.3	502.9	1182.6	105.9	54.7	23.3	13.8	
19	28.8	25.1	111.5	1688.8	26749.7	1913.8	545.9	747.2	105.9	54.7	21.5	12.4	
20	23.3	25.1	408.8	1442.5	20581.0	1546.0	560.6	812.3	105.9	51.1	21.5	12.4	
21	19.9	26.9	630.5	1837.4	20956.9	1408.8	978.2	1277.4	95.0	51.1	19.9	11.1	
22	18.2	26.9	2444.1	6307.2	40258.1	1213.8	789.8	1151.8	95.0	47.7	18.2	9.9	
23	18.2	32.8	747.2	8474.0	38453.3	1799.7	611.9	767.5	95.0	47.7	18.2	9.9	
24	19.9	32.8	396.0	6307.2	43035.0	3422.1	575.5	593.6	89.7	47.7	18.2	9.9	
25	21.5	37.9	247.3	3422.1	36105.1	2444.1	461.5	531.4	89.7	44.3	18.2	8.7	
26	905.4	58.4	198.6	2070.7	30796.8	2151.3	448.0	408.8	84.6	44.3	19.9	7.6	
27	668.4	58.4	138.5	1837.4	16649.2	1725.5	421.7	371.1	84.6	41.1	19.9	7.6	
28	146.5	66.1	117.3	3079.7	12076.6	1511.1	421.7	346.9	84.6	37.9	18.2	8.7	
29	123.2	79.6	138.5	6484.2	11494.1	1616.7	371.1	312.0	79.6	37.9		7.6	
30	105.9	89.7	1952.5	7978.6	10812.2	2487.3	335.1	323.5	79.6	34.9		7.6	
31		531.4		4320.7	18568.2		312.0		79.6	34.9		7.6	
TOTAL	2318.1	1632.8	9863.0	84560.0	716907.1	145461.6	18869.4	15440.0	4731.1	1741.7	684.4	432.3	1002641.4 TONDAY
MEAN	77.3	52.7	328.8	2727.7	23126.0	4848.7	608.7	514.7	152.6	56.2	24.4	13.9	
MAX	905.4	531.4	2444.1	8474.0	129635.8	24074.4	1725.5	1277.4	461.5	79.6	32.8	18.2	129635.8
MIN	2.5	9.9	32.8	268.1	2891.4	1213.8	312.0	227.2	79.6	34.9	18.2	7.6	2.5

WATER YEAR 1985

NAN RIVER BASIN

NAN RIVER AT PHITSANULOK, PHITSANULOK (N.5A)

LOCATION LAT. 16-49-15 N., LONG. 100-15-49 E., ON LEFT BANK NEAR THE POST OFFICE AND ABOUT 1 KILOMETER UPSTREAM FROM GAGING STATION N.5, AMPHOE MUANG, PHITSANULOK.

DRAINAGE AREA 25,286 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1951-1956,1983 TO DATE

ACTUAL MEASUREMENT 1950-1951,1983 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1983-1985

RID COMPUTER CENTER

47-1602001

STATION - PHITSANULOK, MUANG, PHITSANULOK, N.5A
STREAM - NAN
RIVER - NAN
RIVER SYSTEM - NAN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION 111188

2.05392

QS = 0.0339 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8072.4	5086.2	1356.8	2275.2	3365.6	1922.9	1660.8	2708.0	3125.2	553.0	681.1	3427.2	
2	6734.9	5633.8	1277.9	1573.2	2837.4	1356.8	1293.5	2008.2	2979.5	383.0	709.5	3095.7	
3	6734.9	3365.6	1421.6	2535.1	2708.0	1216.6	1000.3	1309.2	2865.5	521.1	873.2	2922.2	
4	7685.4	3776.0	908.1	3008.3	3214.3	1389.0	946.3	1000.3	2415.2	536.9	839.1	1843.4	
5	6633.3	6786.0	946.3	3808.5	3679.1	4645.3	783.7	751.4	2206.9	475.2	827.8	1340.8	
6	7685.4	5720.6	1216.6	3037.3	3647.1	6164.8	585.8	645.6	2344.7	475.2	1986.7	2184.3	
7	6439.5	5127.3	453.0	1471.3	3776.0	6119.6	445.7	561.1	2206.9	360.0	2298.3	2368.1	
8	7414.9	6837.3	490.2	839.1	3841.2	5210.0	365.7	497.9	2095.3	343.2	2117.4	3808.5	
9	6940.6	4299.8	553.0	816.7	3427.2	3647.1	305.5	585.8	2229.5	290.1	467.7	3365.6	
10	7850.1	3615.3	431.4	896.4	2865.5	2206.9	265.2	594.2	2051.5	210.3	424.3	3427.2	
11	6992.5	4567.3	475.2	1098.5	2950.8	2535.1	241.6	544.9	2117.4	181.8	1454.6	2658.0	
12	7361.4	3184.4	611.1	1084.2	3008.3	2462.8	365.7	431.4	1986.7	197.6	850.4	3184.4	
13	7522.5	3841.2	497.9	1421.6	2559.4	8411.9	300.3	383.0	1881.0	295.2	1231.8	4451.7	
14	7576.6	3008.3	497.9	2510.9	1986.7	19874.9	275.0	709.5	1750.9	214.6	2095.3	5335.4	
15	5677.1	2682.9	594.2	3808.5	1356.8	25895.6	246.2	8354.8	1538.8	206.0	2252.3	5335.4	
16	5808.1	1843.4	505.6	5985.1	1112.9	24075.0	295.2	16905.9	1389.0	396.6	1714.5	4883.3	
17	6301.4	1881.0	521.1	9859.6	1041.8	19126.6	1696.5	15443.8	1216.6	482.7	1696.5	5086.2	
18	7685.4	2486.8	619.6	9859.6	1324.9	14651.2	20091.4	11521.1	1216.6	389.8	1372.8	4490.1	
19	7096.9	2368.1	585.8	7740.1	1787.6	8298.0	42313.4	8298.0	1041.8	383.0	1660.8	4843.2	
20	7044.6	2583.9	946.3	5547.7	2073.3	6029.7	43330.1	5210.0	690.1	453.0	1643.1	4923.5	
21	8128.5	2608.5	1881.0	3304.7	1843.4	3874.1	35081.9	4451.7	762.1	326.8	1538.8	4451.7	
22	7960.8	2633.2	2051.5	2486.8	1643.1	2658.0	29741.3	4337.5	699.2	365.7	1556.0	4923.5	
23	7044.6	1504.9	1922.9	2321.4	2658.0	2184.3	25895.6	3427.2	959.6	513.3	986.6	5335.4	
24	8184.8	1014.0	1696.5	2139.6	4224.9	1881.0	20418.4	2979.5	884.8	529.0	1750.9	5045.3	
25	9014.9	453.0	1824.7	1573.2	4763.5	1922.9	14478.0	2368.1	850.4	751.4	1881.0	4763.5	
26	8016.5	1277.9	2559.4	1607.9	3940.2	2073.3	11093.3	2252.3	654.4	544.9	2321.4	4843.2	
27	7044.6	1293.5	2275.2	1356.8	2415.2	2344.7	9464.9	2783.9	569.3	672.1	2708.0	4803.3	
28	6393.3	1356.8	2510.9	1055.8	1454.6	4040.5	8184.8	2633.2	490.2	672.1	3125.2	4803.3	
29	5633.8	1186.5	2184.3	933.0	1309.2	2865.5	5504.9	2893.8	544.9	513.3		4490.1	
30	5004.5	1293.5	1986.7	1488.0	1356.8	2206.9	3615.3	3244.3	594.2	690.1		3907.1	
31		1421.6		2391.6	1901.9		2837.4		497.9	719.9		4567.3	
TOTAL	213684.2	94738.6	35802.7	89835.7	80074.7	191291.0	283123.8	109835.6	46856.1	13646.9	43065.1	124907.9	1326862.3 TONDAY
MEAN	7122.8	3056.1	1193.4	2897.9	2583.1	6376.4	9133.0	3661.2	1511.5	440.2	1538.0	4029.3	
MAX	9014.9	6837.3	2559.4	9859.6	4763.5	25895.6	43330.1	16905.9	3125.2	751.4	3125.2	5335.4	43330.1
MIN	5004.5	453.0	431.4	816.7	1041.8	1216.6	241.6	383.0	490.2	181.8	424.3	1340.8	181.8

WATER YEAR 1985

NAN RIVER BASIN

NAM PAT AT BAN WANG BANG, UTTARADIT (N.33)

LOCATION	LAT. 17-43-05 N., LONG. 100-34-32 E., ON RIGHT BANK ABOUT 4.5 KILOMETERS UPSTREAM FROM CONFLUENCE WITH NAN RIVER AT BAN WANG BANG, TAMBON SAEN TO, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	2,463 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1971 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG BANG, NAM PAT, UTTARADIT, N.33
STREAM - NAM PAT
RIVER - NAN
RIVER SYSTEM - NAN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.72085
QS = 3.0173 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.2	6.1	177.4	8.3	134.1	329.8	487.5	73.6	26.3	3.9	0.9	0.2	
2	0.2	4.9	68.3	13.6	96.0	1343.2	307.9	58.5	22.3	3.4	0.9	0.3	
3	0.1	3.9	32.8	12.7	147.9	14341.7	226.6	49.3	18.6	3.0	1.0	0.4	
4	0.1	3.0	20.4	8.3	114.4	2548.5	184.9	36.7	15.2	3.0	1.0	0.5	
5	0.1	2.6	13.6	6.8	63.4	616.2	162.2	32.8	15.2	3.0	1.0	0.5	
6	0.1	1.9	11.7	4.9	44.9	329.8	127.3	30.6	13.6	2.6	0.9	0.4	
7	0.1	9.9	8.3	4.4	36.7	217.1	101.9	28.4	13.6	2.6	0.7	0.3	
8	0.1	1111.8	6.1	3.9	36.7	155.1	84.4	26.3	12.7	2.6	0.7	0.3	
9	0.1	96.0	4.9	3.9	73.6	120.7	73.6	26.3	11.7	2.2	0.7	0.3	
10	0.1	24.3	4.9	4.4	68.3	162.2	63.4	26.3	10.8	2.2	0.9	0.2	
11	0.3	40.6	4.4	3.9	90.1	10139.6	53.7	22.3	9.1	2.2	0.9	0.1	
12	0.2	101.9	3.9	20.4	101.9	14162.0	49.3	24.3	8.3	2.2	0.7	0.2	
13	0.2	22.3	3.4	101.9	101.9	9524.5	40.6	24.3	8.3	2.2	0.9	0.3	
14	0.2	10.8	3.0	329.8	73.6	4854.3	36.7	44.9	7.5	1.9	0.9	0.2	
15	0.2	9.1	3.0	523.0	101.9	5867.3	40.6	44.9	7.5	1.9	0.7	0.2	
16	0.1	6.1	3.0	265.9	200.9	5132.1	36.7	120.7	6.8	1.9	0.9	0.2	
17	1.0	6.8	3.4	184.9	352.4	3095.0	363.9	286.6	6.1	1.9	0.9	0.2	
18	1.9	32.8	4.4	767.8	255.8	1264.0	192.8	226.6	6.1	1.9	0.7	0.2	
19	1.3	30.6	3.9	616.2	286.6	705.5	297.2	114.4	5.4	1.9	0.4	0.2	
20	2.2	12.7	3.9	541.1	192.8	436.3	736.4	127.3	5.4	1.6	0.3	0.1	
21	4.9	11.7	4.4	705.5	184.9	307.9	799.8	101.9	5.4	1.6	0.3	0.1	
22	68.3	32.8	24.3	307.9	597.1	286.6	436.3	79.0	4.9	1.6	0.2	0.1	
23	24.3	28.4	49.3	286.6	1465.7	286.6	255.8	68.3	4.9	1.6	0.2	0.1	
24	9.9	28.4	24.3	470.2	675.2	899.0	192.8	58.5	4.4	1.3	0.2	0.2	
25	6.8	79.0	15.2	487.5	375.6	1724.0	147.9	44.9	3.9	1.3	0.2	0.2	
26	63.4	84.4	15.2	399.4	276.2	11747.3	120.7	36.7	4.4	1.1	0.2	0.2	
27	53.7	162.2	11.7	192.8	255.8	1952.4	127.3	30.6	4.4	1.1	0.2	0.2	
28	18.6	108.1	7.5	200.9	286.6	705.5	140.8	26.3	4.4	1.1	0.2	0.2	
29	10.8	155.1	6.1	505.1	423.8	411.5	162.2	30.6	3.9	1.1		0.2	
30	7.5	169.7	7.5	375.6	578.2	423.8	114.4	26.3	3.4	1.0		0.2	
31		101.9		226.6	399.4		90.1		3.4	1.0		0.1	
TOTAL	277.0	2499.8	550.2	7584.2	8092.4	94089.5	6255.7	1928.2	277.9	61.9	17.7	7.1	121641.6 TONDAY
MEAN	9.2	80.6	18.3	244.7	261.0	3136.3	201.8	64.3	9.0	2.0	0.6	0.2	
MAX	68.3	1111.8	177.4	767.8	1465.7	14341.7	799.8	286.6	26.3	3.9	1.0	0.5	14341.7
MIN	0.1	1.9	3.0	3.9	36.7	120.7	36.7	22.3	3.4	1.0	0.2	0.1	0.1

WATER YEAR 1985

CHAO PHRAYA RIVER BASIN

CHAO PHRAYA RIVER AT NAKHON SAWAN, NAKHON SAWAN (C.2)

LOCATION	LAT. 15-40-15 N., LONG. 100-06-45 E., ON LEFT BANK AT KHAI CHIRA PRAWAT ABOUT 3 KILOMETERS DOWNSTREAM FROM DECHATIWONG BRIDGE, AMPHOE MUANG, NAKHON SAWAN.
DRAINAGE AREA	110,569 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.P-61
PERIOD OF AVAILABLE RECORDS	1960 TO DATE
ACTUAL MEASUREMENT	1965-1966,1972-1980
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1972-1980

RID COMPUTER CENTER

47-1602001

STATION - NAKHON SAWAN, MUANG, NAKHON SAWAN, C.2
STREAM - CHAO PHRAYA
RIVER - CHAO PHRAYA
RIVER SYSTEM - CHAO PHRAYA

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.25741
QS = 3.4754 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN HUNDRED TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	104.	90.	63.	80.	89.	117.	299.	500.	350.	58.	51.	89.	
2	106.	90.	70.	83.	95.	118.	286.	484.	339.	54.	53.	93.	
3	103.	89.	75.	85.	107.	126.	278.	474.	328.	51.	57.	95.	
4	100.	86.	80.	82.	113.	128.	277.	460.	317.	48.	60.	95.	
5	98.	77.	79.	82.	113.	129.	281.	444.	302.	46.	58.	90.	
6	100.	79.	75.	86.	121.	137.	282.	428.	291.	45.	57.	80.	
7	99.	91.	73.	90.	119.	145.	275.	410.	277.	43.	64.	74.	
8	99.	94.	75.	88.	122.	150.	260.	394.	264.	42.	73.	79.	
9	95.	93.	69.	77.	122.	148.	243.	379.	246.	40.	78.	88.	
10	93.	95.	61.	67.	120.	141.	230.	354.	229.	38.	83.	94.	
11	92.	91.	57.	61.	120.	129.	226.	349.	218.	36.	80.	96.	
12	93.	89.	50.	58.	117.	119.	222.	333.	210.	34.	78.	88.	
13	90.	88.	46.	58.	119.	113.	220.	321.	207.	32.	71.	91.	
14	95.	83.	45.	56.	118.	121.	223.	313.	206.	31.	68.	96.	
15	97.	83.	45.	57.	116.	150.	225.	312.	200.	30.	72.	100.	
16	96.	79.	46.	62.	110.	191.	248.	337.	185.	31.	79.	102.	
17	91.	75.	47.	71.	106.	225.	279.	362.	169.	30.	82.	103.	
18	90.	69.	50.	83.	106.	244.	291.	373.	157.	30.	82.	104.	
19	93.	67.	52.	100.	107.	259.	332.	401.	147.	32.	75.	102.	
20	96.	68.	52.	111.	117.	281.	391.	400.	139.	32.	74.	103.	
21	91.	68.	54.	119.	124.	306.	420.	400.	129.	32.	74.	103.	
22	93.	69.	62.	123.	126.	320.	442.	401.	118.	32.	77.	103.	
23	100.	71.	74.	118.	131.	319.	457.	400.	107.	31.	75.	100.	
24	100.	70.	81.	110.	131.	318.	487.	400.	98.	32.	74.	102.	
25	98.	63.	88.	103.	134.	315.	519.	397.	93.	39.	72.	105.	
26	100.	60.	90.	100.	133.	319.	530.	391.	88.	45.	72.	103.	
27	103.	58.	84.	97.	141.	325.	533.	382.	81.	47.	76.	103.	
28	101.	58.	83.	93.	140.	321.	534.	374.	75.	47.	82.	102.	
29	99.	58.	83.	94.	134.	315.	533.	366.	69.	47.		101.	
30	97.	58.	83.	90.	129.	311.	525.	360.	64.	46.		101.	
31		61.		88.	124.		514.		61.	48.		99.	
TOTAL	2912.	2370.	1992.	2672.	3704.	6340.	10862.	11699.	5764.	1229.	1997.	2984.	54525. 100-TD
MEAN	97.	76.	66.	86.	119.	211.	350.	390.	186.	40.	71.	96.	
MAX	106.	95.	90.	123.	141.	325.	534.	500.	350.	58.	83.	105.	534.
MIN	90.	58.	45.	56.	89.	113.	220.	312.	61.	30.	51.	74.	30.

WATER YEAR 1985

SAKAE KRANG RIVER BASIN

MAE WONG AT BAN PANG MAKHA, KAMPHAENG PHET (CT.5A)

LOCATION LAT. 15-54-10 N., LONG. 99-28-45 E., ON LEFT BANK BEHIND WAT PANG MAKHA, AMPHOE KHANU WORALAKSABURI, KAMPHAENG PHET.

DRAINAGE AREA 938 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.DH-59 AND US.D-49

PERIOD OF AVAILABLE RECORDS 1983 TO DATE

ACTUAL MEASUREMENT 1983 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER 47-1602001

STATION - BAN PANG MAKHA, KHANU WORALAKSABURI, KAMPHAENG PHET, CT.5A
STREAM - NAM MAE WONG
RIVER - SAKAE KRANG
RIVER SYSTEM - SAKAE KRANG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.45985
QS = 1.5543 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.3	2.6	260.6	33.5	21.5	11.1	180.8	196.2	67.2	9.8	3.0	1.7	
2	0.3	0.8	248.2	32.1	19.3	9.8	744.6	165.8	59.3	9.1	3.0	1.9	
3	0.4	0.5	124.7	28.0	13.3	9.8	869.1	142.4	54.3	9.1	2.6	2.6	
4	0.3	0.4	41.4	24.0	12.5	20.2	693.2	124.7	45.6	8.5	2.6	1.6	
5	0.3	0.2	28.0	20.2	15.8	30.7	380.4	108.8	41.4	8.5	2.3	1.3	
6	1.6	0.2	20.2	18.4	15.0	43.5	217.9	101.6	37.4	7.9	2.3	1.3	
7	1.0	0.2	15.0	15.8	15.8	35.5	137.9	87.7	35.5	7.9	2.0	1.2	
8	0.7	0.7	13.3	14.1	15.8	19.3	101.6	72.6	32.1	7.3	2.0	1.1	
9	0.5	0.3	11.8	15.0	18.4	16.7	81.0	67.2	32.1	7.3	1.9	1.1	
10	0.3	0.2	11.1	14.1	15.8	15.0	72.6	61.9	30.7	6.7	1.9	1.0	
11	0.2	0.1	12.5	14.1	18.4	424.2	75.4	56.8	28.0	6.7	1.9	1.0	
12	0.1	1.1	15.8	13.3	20.2	108.8	69.9	54.3	26.6	6.7	1.7	1.0	
13	0.1	2.6	15.0	25.3	17.5	120.4	142.4	112.4	24.0	6.1	1.7	0.8	
14	0.1	6.1	11.8	30.7	15.8	129.1	2293.1	989.4	22.7	6.1	1.7	0.7	
15	0.1	87.7	11.1	26.6	15.8	94.6	1776.8	424.2	20.2	6.1	1.6	0.7	
16	0.1	12.5	15.0	24.0	15.0	81.0	883.4	254.4	18.4	5.6	1.5	0.7	
17	0.1	7.9	15.0	19.3	15.0	191.0	433.1	346.5	18.4	5.2	1.5	0.7	
18	0.1	120.4	13.3	16.7	13.3	1406.6	363.3	206.7	16.7	5.2	1.5	0.6	
19	0.7	39.4	15.0	59.3	13.3	840.6	452.2	175.7	16.7	4.8	1.3	0.5	
20	0.4	19.3	28.0	41.4	12.5	744.6	406.5	1184.7	15.8	4.8	1.3	0.5	
21	0.3	11.8	43.5	30.7	16.7	389.0	371.9	642.9	15.0	4.4	1.3	0.5	
22	0.2	9.1	26.6	26.6	18.4	206.7	597.4	287.4	15.0	4.4	1.2	0.5	
23	0.1	20.2	22.7	22.7	14.1	137.9	3424.3	196.2	14.1	4.4	1.2	0.4	
24	0.1	16.7	16.7	25.3	12.5	680.5	2586.4	151.5	13.3	4.4	1.2	0.7	
25	0.2	14.1	16.7	81.0	11.8	1368.0	1201.6	120.4	12.5	4.0	1.1	0.6	
26	0.1	21.5	15.0	91.1	11.1	531.2	597.4	108.8	12.5	4.0	1.1	0.5	
27	0.2	32.1	14.1	81.0	11.1	389.0	424.2	94.6	11.8	3.7	1.1	0.5	
28	2.6	26.6	14.1	37.4	11.1	242.0	363.3	84.3	11.8	3.3	1.1	0.4	
29	3.0	64.5	14.1	25.3	10.4	206.7	273.2	75.4	11.1	3.3		0.3	
30	3.0	133.5	14.1	24.0	13.3	165.8	248.2	72.6	10.4	3.3		0.3	
31		137.9		22.7	11.8		212.0		9.8	3.0		0.3	
TOTAL	17.5	791.2	1124.4	953.7	462.3	8669.3	20675.1	6768.1	780.4	181.6	48.6	27.0	40499.2 TONDAY
MEAN	0.6	25.5	37.5	30.8	14.9	289.0	666.9	225.6	25.2	5.9	1.7	0.9	
MAX	3.0	137.9	260.6	91.1	21.5	1406.6	3424.3	1184.7	67.2	9.8	3.0	2.6	3424.3
MIN	0.1	0.1	11.1	13.3	10.4	9.8	69.9	54.3	9.8	3.0	1.1	0.3	0.1

WATER YEAR 1985

PASAK RIVER BASIN

PASAK RIVER AT BAN MUANG NUA, SARABURI (S.9)

LOCATION	LAT. 14-37-33 N., LONG. 101-01-00 E., ON LEFT BANK AT BAN MUANG NUA RAILWAY BRIDGE, AMPHOE KAENG KHOI, SARABURI.
DRAINAGE AREA	14,374 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1975 TO DATE
ACTUAL MEASUREMENT	1975 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN MUANG NUA, KAENG KHOI, SARABURI, S.9
STREAM - PASAK
RIVER - PASAK
RIVER SYSTEM - PASAK

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.35493
QS = 3.1234 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	98.8	124.7	170.0	450.2	1260.3	6396.2	17535.9	8059.8	957.2	231.6	105.1	71.7	
2	83.5	105.1	152.1	395.1	1231.9	6259.4	15725.7	7462.7	930.7	221.2	105.1	68.8	
3	92.6	98.8	148.6	368.3	1133.7	6157.3	14091.2	7021.4	917.6	216.0	102.0	68.8	
4	92.6	98.8	173.6	342.0	1051.3	6191.3	12452.9	6568.3	839.7	210.9	98.8	66.0	
5	86.5	86.5	299.3	324.7	970.5	6259.4	10840.6	6123.3	763.7	200.8	98.8	63.2	
6	80.5	77.5	368.3	324.7	878.4	5620.2	9603.2	5853.6	714.1	190.8	98.8	66.0	
7	86.5	74.6	299.3	377.2	814.2	4839.5	8580.9	5720.0	656.8	185.8	98.8	66.0	
8	92.6	105.1	285.4	333.3	776.3	4305.5	7802.4	5686.7	636.3	180.9	98.8	66.0	
9	86.5	111.6	264.9	316.2	826.9	3508.4	7336.4	5653.4	605.8	173.6	95.7	66.0	
10	71.7	102.0	251.4	342.0	904.5	3014.5	7091.8	5653.4	575.7	166.3	95.7	66.0	
11	66.0	121.4	238.1	469.0	930.7	4274.6	6986.3	5554.0	546.0	162.8	92.6	66.0	
12	63.2	128.1	251.4	656.8	970.5	4090.5	6986.3	5291.2	516.8	159.2	92.6	68.8	
13	63.2	134.8	264.9	904.5	1092.3	3556.4	6951.2	4680.7	478.4	155.7	92.6	66.0	
14	60.4	190.8	251.4	1203.6	1390.4	3341.6	6951.2	3938.6	459.6	155.7	92.6	68.8	
15	60.4	368.3	244.8	1133.7	1772.9	3389.0	7420.6	3460.5	440.9	152.1	89.5	66.0	
16	60.4	701.8	231.6	1147.6	2008.5	3677.3	7336.4	2991.5	422.4	148.6	89.5	63.2	
17	66.0	605.8	226.4	1119.8	2497.0	5422.2	7210.6	2431.4	404.2	145.1	89.5	60.4	
18	83.5	333.3	368.3	1147.6	2968.5	9965.7	9829.3	2110.5	386.1	141.7	89.5	57.7	
19	80.5	404.2	450.2	1361.2	3083.8	14848.1	9738.7	2008.5	377.2	138.2	89.5	57.7	
20	74.6	333.3	431.6	1346.7	3153.6	18394.3	11935.9	2047.8	359.5	134.8	86.5	57.7	
21	71.7	251.4	507.1	1260.3	3107.0	20776.9	12818.1	2008.5	342.0	131.4	80.5	57.7	
22	83.5	251.4	459.6	1175.5	3604.7	21737.9	13876.8	1880.7	333.3	128.1	77.5	60.4	
23	74.6	210.9	359.5	1161.5	3750.3	23172.2	15120.9	1684.3	316.2	124.7	74.6	57.7	
24	71.7	226.4	395.1	1449.3	3701.6	24015.0	15450.1	1510.9	299.3	118.1	71.7	57.7	
25	71.7	221.2	440.9	1361.2	3908.5	26228.2	15285.3	1390.4	278.5	118.1	71.7	54.9	
26	71.7	190.8	516.8	1390.4	4554.7	26156.0	14630.8	1274.6	271.7	118.1	71.7	52.3	
27	180.9	307.7	440.9	1562.4	5226.0	24510.3	13930.3	1161.5	264.9	114.8	71.7	52.3	
28	134.8	386.1	368.3	1510.9	5587.1	22684.2	12349.0	1064.9	258.1	111.6	71.7	52.3	
29	114.8	251.4	368.3	1419.8	5887.2	21032.0	11221.9	997.2	258.1	108.3		52.3	
30	114.8	299.3	431.6	1419.8	6123.3	19450.8	9874.7	1024.1	244.8	108.3		52.3	
31		251.4		1361.2	6293.5		8933.1		238.1	105.1		52.3	
TOTAL	2540.2	7154.5	9659.7	29136.5	81460.1	353274.9	335898.5	112314.4	15093.7	4758.4	2493.1	1903.0	955687.1 TONDAY
MEAN	84.7	230.8	322.0	939.9	2627.7	11775.8	10835.4	3743.8	486.9	153.5	89.0	61.4	
MAX	180.9	701.8	516.8	1562.4	6293.5	26228.2	17535.9	8059.8	957.2	231.6	105.1	71.7	26228.2
MIN	60.4	74.6	148.6	316.2	776.3	3014.5	6951.2	997.2	238.1	105.1	71.7	52.3	52.3

WATER YEAR 1985

KHONG RIVER BASIN

HUAI NAM KAM AT BAN DAN MUANG KHAM, SAKON NAKHON (KH.63)

LOCATION	LAT. 17-06-15 N., LONG. 104-21-26 E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN DAN MUANG KHAM, KING AMPHOE KHOK SI SUPHAN, SAKON NAKHON.
DRAINAGE AREA	1,764 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1983-1985
ACTUAL MEASUREMENT	1983-1985
REMARKS	DISCONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1983 -1985

RID COMPUTER CENTER

47-1602001

STATION - BAN DAN MUANG KHAM, K.A. KHOK SISUPHAN, SAKON NAKHON, KH.63
STREAM - HUAI NAM KAM
RIVER - KHONG
RIVER SYSTEM - KHONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION 130988

QS = 6.4319 QW 0.77686

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.08	4.55	4.55	88.27	126.17	128.46	41.43	9.27	7.41	4.33	4.98	5.62	
2	1.08	4.33	4.98	90.15	122.33	134.05	40.55	8.72	7.41	4.33	4.98	6.03	
3	1.08	4.33	4.33	91.27	124.25	132.85	39.37	8.72	7.22	4.77	4.98	6.23	
4	1.08	4.33	3.87	90.15	125.40	131.66	33.66	8.17	7.22	4.55	4.98	6.23	
5	1.08	4.10	3.87	91.27	123.10	129.26	32.67	7.98	7.22	4.98	5.20	6.23	
6	1.08	3.87	3.64	91.64	123.10	126.55	30.45	7.98	7.22	4.98	5.20	6.23	
7	1.08	3.64	3.87	91.27	123.87	123.10	28.52	7.60	7.22	4.98	4.98	6.23	
8	1.40	4.10	3.87	91.64	126.55	119.23	18.59	7.60	7.22	4.98	5.20	6.43	
9	1.24	4.10	2.65	94.98	128.08	116.10	16.79	7.22	7.22	4.98	5.20	6.43	
10	1.08	4.10	2.12	100.47	132.85	113.35	12.49	7.41	7.22	4.98	5.20	6.23	
11	1.24	4.10	2.91	107.66	139.32	111.55	11.02	7.79	7.22	4.98	5.20	6.23	
12	1.08	5.20	2.91	107.66	142.21	113.35	10.81	7.79	7.02	4.98	5.20	6.23	
13	0.90	5.20	3.16	104.08	142.21	115.71	10.59	7.60	5.41	4.98	5.20	6.23	
14	0.90	5.20	4.77	100.47	140.97	113.35	10.37	7.60	4.77	4.77	5.20	6.23	
15	1.08	4.98	3.87	97.19	139.32	110.85	9.27	7.41	4.55	4.77	5.20	6.23	
16	1.55	5.62	3.40	94.61	138.50	109.08	9.62	7.41	4.55	4.77	5.62	6.23	
17	1.08	5.62	6.23	95.72	136.03	107.30	13.11	7.60	4.55	4.77	5.62	6.23	
18	1.70	5.41	6.23	93.87	133.65	105.87	13.91	7.60	4.55	4.77	5.41	6.23	
19	1.40	5.41	5.41	92.76	130.46	103.72	13.91	7.79	4.55	4.55	5.41	6.23	
20	2.39	5.20	10.37	93.50	128.08	101.56	13.11	7.41	4.55	4.55	5.41	6.23	
21	3.64	4.98	18.59	94.61	128.08	99.38	12.90	7.22	4.55	4.55	5.41	6.23	
22	3.40	4.77	15.88	94.24	128.86	97.55	13.11	7.22	4.55	4.55	5.41	6.23	
23	3.87	4.77	21.76	111.90	139.74	99.74	13.51	7.41	4.55	4.55	5.41	6.23	
24	4.33	6.23	34.22	115.32	146.80	100.47	12.90	7.41	4.55	4.77	5.41	6.23	
25	4.33	6.23	65.82	113.35	146.80	95.72	12.08	7.41	4.33	4.77	5.41	6.23	
26	4.10	6.23	74.97	111.20	144.66	87.52	11.66	7.41	4.33	4.77	5.62	6.23	
27	3.87	6.23	75.34	108.01	141.38	56.72	10.81	7.41	4.33	4.98	5.62	6.23	
28	3.87	6.23	80.47	113.75	138.91	45.13	10.59	7.41	4.33	4.98	5.62	6.23	
29	4.10	6.23	81.19	130.46	134.84	43.18	10.15	7.41	4.33	4.98		6.23	
30	3.87	4.77	83.71	132.46	130.46	42.31	9.80	7.41	4.33	4.98		6.23	
31		4.77		130.86	127.70		9.62		4.33	4.98		6.23	
TOTAL	63.98	154.83	638.96	3164.79	4134.68	3114.67	537.31	230.39	172.81	148.61	148.28	192.72	12702.03 TONDAY
MEAN	2.13	4.99	21.30	102.09	133.38	103.82	17.33	7.68	5.57	4.79	5.30	6.22	
MAX	4.33	6.23	83.71	132.46	146.80	134.05	41.43	9.27	7.41	4.98	5.62	6.43	146.80
MIN	0.90	3.64	2.12	88.27	122.33	42.31	9.27	7.22	4.33	4.33	4.98	5.62	0.90

WATER YEAR 1985

KHONG RIVER BASIN

LAM NAM BANG AT BAN DONG I NAM, NAKHON PHANOM (KH.66)

LOCATION	LAT. 17-04-22 N., LONG. 104-34-38 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN DONG I NAM, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	441 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1983-1985
ACTUAL MEASUREMENT	1983-1985
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983 - 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN DONG I NAM, NA KAE, NAKHON PHANOM, KH.66
STREAM - LAM NAM BANG
RIVER - KHONG
RIVER SYSTEM - KHONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.08529
QS = 5.4373 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.01	2.23	3.35	46.75	358.74	106.92	32.88	4.04	2.23	2.01	2.01	2.01	
2	2.01	2.01	3.35	79.19	233.83	162.01	24.41	3.81	2.23	2.01	2.01	2.01	
3	2.01	2.01	3.58	57.74	130.98	239.23	19.08	3.58	2.01	2.01	2.01	2.01	
4	2.01	2.01	3.12	35.34	165.94	265.00	15.08	3.35	2.01	2.01	2.01	2.01	
5	2.01	2.01	3.12	28.62	173.83	250.05	12.29	3.12	2.23	2.23	2.01	2.01	
6	2.01	2.01	3.12	20.85	216.36	172.52	10.54	3.12	2.01	2.23	2.01	2.01	
7	2.01	2.01	2.90	14.38	240.58	95.71	8.20	2.90	2.01	2.23	2.01	2.01	
8	2.01	2.01	2.45	13.36	251.41	56.82	7.23	2.67	2.01	2.23	2.01	2.01	
9	2.01	2.01	2.45	48.57	260.91	40.42	6.21	2.67	2.01	2.23	2.01	2.01	
10	2.01	2.01	2.90	70.78	379.70	28.02	5.20	2.90	2.01	2.23	2.01	2.01	
11	2.01	2.01	3.12	122.52	466.93	29.23	4.27	3.12	2.01	2.23	2.01	2.01	
12	2.01	2.01	2.67	124.93	503.97	29.84	4.56	3.12	2.01	2.23	2.01	2.01	
13	2.01	2.01	3.12	75.92	466.93	33.49	3.81	2.90	2.01	2.23	2.01	2.01	
14	2.01	2.01	4.91	46.75	381.10	39.53	3.58	2.90	2.01	2.23	2.01	2.01	
15	2.01	2.01	6.21	28.02	236.53	38.63	3.58	2.67	2.01	2.23	2.01	2.01	
16	2.01	2.90	7.89	20.26	200.33	32.88	4.04	2.45	2.01	2.23	2.01	2.01	
17	2.01	3.58	11.98	54.06	219.04	35.95	12.98	2.45	2.01	2.23	2.01	2.01	
18	2.01	3.35	37.74	89.07	215.02	44.03	74.83	2.45	2.01	2.23	2.01	2.01	
19	2.01	2.67	54.98	89.07	152.94	33.49	70.78	2.23	2.01	2.01	2.01	2.01	
20	2.01	2.67	104.61	124.93	74.83	22.62	44.03	2.01	2.01	2.01	2.01	2.01	
21	2.01	2.45	228.44	86.87	61.45	19.67	33.49	2.01	2.01	2.23	2.01	2.01	
22	2.01	2.23	244.64	47.66	101.26	17.20	26.81	2.01	2.01	3.35	2.01	2.01	
23	2.01	2.01	235.18	74.83	220.38	15.79	23.82	2.01	2.01	3.58	2.01	2.01	
24	2.01	2.01	192.35	205.66	376.90	16.49	22.03	2.23	2.01	3.35	2.01	2.01	
25	2.23	2.01	118.90	216.36	543.01	21.44	19.67	2.23	2.01	3.12	2.01	2.01	
26	2.23	2.01	63.30	126.14	463.42	21.44	16.88	2.23	2.01	2.90	2.01	2.01	
27	2.01	2.01	30.44	85.77	333.71	20.26	13.36	2.23	2.01	2.45	2.01	2.01	
28	2.01	2.01	17.59	297.82	228.44	18.50	9.24	2.23	2.01	2.45	2.01	2.01	
29	2.01	2.01	14.76	589.42	121.31	22.62	8.20	2.01	2.01	2.45		2.01	
30	2.01	2.01	17.59	557.26	66.10	42.22	6.21	2.01	2.01	2.23		2.01	
31		2.90		489.84	50.39		5.20		2.01	2.23		2.01	
TOTAL	60.74	69.20	1430.76	3968.74	7896.27	1972.02	552.49	79.66	62.97	73.62	56.28	62.31	16285.06 TONDAY
MEAN	2.02	2.23	47.69	128.02	254.72	65.73	17.82	2.66	2.03	2.37	2.01	2.01	
MAX	2.23	3.58	244.64	589.42	543.01	265.00	74.83	4.04	2.23	3.58	2.01	2.01	589.42
MIN	2.01	2.01	2.45	13.36	50.39	15.79	3.58	2.01	2.01	2.01	2.01	2.01	2.01

WATER YEAR 1985

CHI RIVER BASIN

CHI RIVER AT BAN THA PHRA, KHON KAEN (E.16A)

LOCATION	LAT. 16-21-14 N., LONG. 102-45-09 E., ON LEFT BANK ABOUT 400 METERS UPSTREAM FROM THE BRIDGE OF KHON KAEN-MAHA SARAKHAM HIGHWAY, TAMBON DON HAN, AMPHOE MUANG, KHON KAEN.
DRAINAGE AREA	13,171 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1965-1972,1980 TO DATE
ACTUAL MEASUREMENT	1967,1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN THA PHRA, MUANG, KHON KAEN, E.16A
STREAM - CHI
RIVER - CHI
RIVER SYSTEM - CHI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.28388
QS = 3.0979 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.7	20.2	77.7	299.7	443.9	427.8	1958.5	2426.7	344.1	61.9	23.2	8.0	
2	3.5	17.8	79.3	304.0	433.2	422.5	2043.3	2478.9	321.7	61.9	22.3	7.5	
3	3.5	16.0	101.1	267.8	408.4	417.8	2144.1	2531.3	299.7	58.8	22.3	7.5	
4	3.5	16.0	135.8	220.3	385.2	399.1	2310.2	2597.2	282.8	54.3	22.3	6.6	
5	3.3	16.6	152.5	175.5	357.7	366.8	2452.8	2652.0	260.4	49.8	22.3	6.1	
6	3.1	20.8	155.3	140.4	326.2	357.7	2557.7	2712.3	242.0	48.3	21.4	6.1	
7	3.1	28.9	158.2	115.5	295.3	348.6	2652.0	2757.8	223.9	46.9	20.8	6.1	
8	3.3	33.9	172.6	99.4	264.1	339.6	2757.8	2788.2	209.6	46.9	20.8	6.1	
9	3.5	29.9	192.1	102.8	249.3	326.2	2833.9	2849.2	199.1	44.0	20.8	6.1	
10	3.7	24.1	202.6	128.9	234.7	344.1	2910.4	2895.1	192.1	41.2	20.2	6.1	
11	4.1	28.0	192.1	163.9	202.6	408.4	2925.8	2879.8	185.2	39.1	19.6	7.1	
12	3.9	23.2	166.8	188.7	185.2	449.2	2895.1	2757.8	178.4	38.0	18.4	6.1	
13	3.9	19.0	135.8	181.8	172.6	470.9	2941.2	2636.9	172.6	38.0	16.6	7.1	
14	3.7	19.6	113.3	166.8	163.9	465.4	2941.2	2518.2	163.9	37.0	14.3	7.1	
15	3.7	20.8	96.0	145.0	149.7	443.9	2833.9	2310.2	152.5	37.0	13.8	6.1	
16	3.7	18.4	79.3	133.5	145.0	465.4	2697.2	2068.4	138.1	37.0	13.8	6.1	
17	4.6	17.8	68.1	133.5	175.5	465.4	2452.8	1809.2	126.7	36.0	14.9	5.7	
18	4.3	25.1	69.7	140.4	253.0	481.8	2005.8	1587.1	111.1	34.9	14.3	5.2	
19	3.9	40.1	54.3	192.1	335.1	570.9	1587.1	1384.7	102.8	31.9	12.7	5.7	
20	3.7	58.8	48.3	279.1	375.9	671.7	1309.2	1174.6	99.4	30.9	11.6	5.2	
21	3.7	71.3	58.8	353.1	380.6	777.9	1228.0	1000.2	94.3	30.9	11.1	5.0	
22	3.7	79.3	106.7	389.8	371.4	923.8	1318.3	859.8	92.6	29.9	10.0	5.0	
23	3.7	81.0	158.2	417.8	312.8	1095.3	1556.3	744.3	87.6	28.9	10.6	4.8	
24	4.8	79.3	181.8	408.4	330.6	1264.0	1832.0	652.1	87.6	28.0	10.6	4.8	
25	4.6	81.0	161.0	394.4	321.7	1444.7	2055.9	587.9	85.9	27.0	10.0	4.8	
26	5.7	87.6	126.7	394.4	330.6	1618.0	2207.7	531.5	81.0	27.0	9.5	4.8	
27	8.0	115.5	104.5	394.4	357.7	1763.8	2271.6	476.3	77.7	27.0	9.5	4.6	
28	18.4	115.5	99.4	394.4	389.8	1877.8	2323.1	427.8	74.5	25.1	9.0	4.6	
29	24.1	90.9	152.5	394.4	417.8	1912.3	2348.9	399.1	69.7	24.1		4.6	
30	24.1	72.9	242.0	413.1	433.2	1935.4	2387.7	366.8	66.5	24.1		4.6	
31		81.0		433.2	427.8		2413.7		63.4	23.2		4.6	
TOTAL	174.5	1450.3	3842.5	7966.5	9630.5	23256.2	71153.2	53861.4	4886.9	1169.0	446.7	179.8	178017.5 TONDAY
MEAN	5.8	46.8	128.1	257.0	310.7	775.2	2295.3	1795.4	157.6	37.7	16.0	5.8	
MAX	24.1	115.5	242.0	433.2	443.9	1935.4	2941.2	2895.1	344.1	61.9	23.2	8.0	2941.2
MIN	3.1	16.0	48.3	99.4	145.0	326.2	1228.0	366.8	63.4	23.2	9.0	4.6	3.1

WATER YEAR 1985

CHI RIVER BASIN

CHI RIVER AT BAN NONG O, CHAIYAPHUM (E.32A)

LOCATION	LAT. 15-54-40 N., LONG. 101-42-40 E., ON LEFT BANK ABOUT 500 METERS NORTH OF BAN NONG O, ABOUT 600 METERS UPSTREAM FROM E.32 GAGING STATION, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	2,906 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1968 TO DATE
ACTUAL MEASUREMENT	1975 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN NONG O, BAN KHWAO, CHAIYAPHUM, E.32A
STREAM - CHI
RIVER - CHI
RIVER SYSTEM - CHI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.35830
QS = 3.3026 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.4	10.4	240.5	114.4	142.7	135.5	457.9	781.8	87.9	21.7	10.4	5.6	
2	2.9	8.8	209.8	130.7	121.3	114.4	393.3	568.2	75.4	20.6	10.4	4.5	
3	2.9	6.7	209.8	209.8	105.4	103.2	331.4	453.8	67.7	19.5	10.4	5.0	
4	2.9	5.0	183.4	331.4	92.2	137.9	308.9	393.3	63.9	18.5	9.6	5.0	
5	2.5	5.0	105.4	275.9	83.7	401.2	286.8	350.4	62.1	17.4	9.6	5.0	
6	3.4	5.6	87.9	206.5	92.2	621.2	247.5	312.6	60.2	17.4	8.8	5.0	
7	2.9	5.6	100.9	162.4	109.9	279.6	213.2	279.6	56.6	17.4	8.8	5.0	
8	3.9	5.6	75.4	130.7	85.8	164.9	186.7	254.5	54.9	16.4	8.8	4.5	
9	3.4	18.5	65.8	128.4	71.5	133.1	170.6	230.2	51.5	15.4	8.1	4.5	
10	2.9	48.2	45.0	140.3	69.6	137.9	159.9	219.9	49.9	16.4	8.1	4.5	
11	2.5	90.0	35.9	152.5	272.3	196.5	180.2	206.5	49.9	16.4	8.1	4.5	
12	1.8	69.6	31.7	114.4	761.4	520.8	254.5	199.8	45.0	15.4	7.3	5.0	
13	1.5	71.5	34.5	520.8	466.2	634.6	213.2	268.8	41.8	15.4	7.3	5.0	
14	1.3	65.8	45.0	823.1	286.8	707.5	350.4	240.5	40.2	15.4	7.3	5.0	
15	1.5	62.1	301.5	982.7	286.8	716.7	385.4	226.7	38.8	15.4	7.3	5.0	
16	1.5	53.2	466.2	537.9	226.7	2421.4	308.9	244.0	37.3	15.4	7.3	4.5	
17	3.4	58.4	286.8	335.1	170.6	2932.0	377.6	199.8	35.9	15.4	6.7	4.5	
18	26.2	107.6	150.0	327.6	193.2	4024.5	1318.8	170.6	34.5	14.5	6.7	3.9	
19	90.0	140.3	105.4	354.3	209.8	5091.8	1876.0	157.4	33.0	13.6	6.7	3.9	
20	30.3	152.5	94.4	607.8	219.9	4416.9	1973.6	150.0	31.7	13.6	6.1	3.4	
21	14.5	98.7	87.9	516.5	576.9	2289.0	1677.8	142.7	30.3	13.6	5.6	3.4	
22	7.3	75.4	157.4	338.9	598.9	1420.9	1401.6	137.9	30.3	12.8	5.0	3.4	
23	7.3	85.8	1043.0	290.5	413.2	1459.7	1604.2	135.5	28.9	12.0	5.0	3.4	
24	6.7	65.8	901.9	684.5	401.2	1472.7	1382.4	119.0	27.6	12.0	5.6	2.9	
25	7.3	62.1	437.4	533.6	272.3	1604.2	1084.8	103.2	27.6	12.0	6.1	2.9	
26	8.1	119.0	261.6	365.9	323.8	2428.9	771.6	96.5	26.2	11.2	5.6	2.9	
27	27.6	164.9	180.2	240.5	331.4	1800.1	702.9	90.0	25.1	11.2	5.6	2.9	
28	51.5	320.1	162.4	189.9	240.5	1004.5	689.1	83.7	23.9	10.4	5.6	2.9	
29	17.4	154.9	133.1	189.9	173.8	675.3	838.7	81.6	23.9	10.4		2.9	
30	10.4	147.6	107.6	170.6	152.5	533.6	999.0	81.6	22.8	9.6		2.9	
31		223.3		154.9	135.5		993.6		22.8	9.6		2.9	
TOTAL	349.2	2508.0	6347.8	10262.4	7688.0	38580.5	22140.5	6980.1	1307.6	456.0	207.9	126.7	96954.7 TONDAY
MEAN	11.6	80.9	211.6	331.0	248.0	1286.0	714.2	232.7	42.2	14.7	7.4	4.1	
MAX	90.0	320.1	1043.0	982.7	761.4	5091.8	1973.6	781.8	87.9	21.7	10.4	5.6	5091.8
MIN	1.3	5.0	31.7	114.4	69.6	103.2	159.9	81.6	22.8	9.6	5.0	2.9	1.3

WATER YEAR 1985

CHI RIVER BASIN

LAM KHAN CHU AT BAN KHOK PHANGAT, CHAIYAPHUM (E.60)

LOCATION	LAT. 15-29-14 N., LONG. 101-33-32 E., ON LEFT BANK ABOUT 500 METERS FROM BAN KHOK PHANGAT, AMPHOE BAMNET NARONG, CHAIYAPHUM.
DRAINAGE AREA	205 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-59
PERIOD OF AVAILABLE RECORDS	1984 TO DATE
ACTUAL MEASUREMENT	1978 TO DATE
REMARKS	CONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN KOK PHANGAT, BAMNET NARONG, CHAIYAPHUM, E.60
STREAM - LAM KHAN CHU
RIVER - CHI
RIVER SYSTEM - CHI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.21105

QS = 6.4847 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	16.85	1.63	17.59	10.94	31.00	43.34	59.78	6.64	1.69	0.81	0.30	
2	0.30	4.21	47.75	14.20	9.24	14.83	43.89	42.80	6.48	1.69	0.81	0.45	
3	0.26	1.51	27.33	31.83	8.09	12.68	40.62	36.34	6.09	1.69	0.81	0.30	
4	0.30	0.98	23.74	23.74	7.28	12.95	37.40	33.18	5.71	1.76	0.81	0.35	
5	0.21	0.76	22.17	16.85	7.28	36.87	34.23	26.12	5.55	1.76	0.81	0.21	
6	0.13	0.60	12.68	14.20	43.89	17.97	31.42	24.14	5.17	1.63	0.81	0.17	
7	0.09	0.50	5.55	12.07	28.14	11.54	28.55	22.96	5.02	1.63	1.04	0.21	
8	0.09	0.50	6.64	20.24	26.93	131.61	26.93	21.40	4.65	1.51	0.87	0.21	
9	0.09	0.60	3.92	51.56	14.83	91.92	26.12	20.24	4.36	1.45	0.76	0.35	
10	0.06	0.81	2.67	25.33	11.54	73.93	24.93	19.10	4.06	1.39	0.70	0.26	
11	0.06	1.63	2.53	18.72	351.03	159.55	25.72	17.97	3.92	1.39	0.65	0.21	
12	0.06	19.86	2.20	65.38	152.99	101.61	29.36	17.22	3.78	1.27	0.45	0.21	
13	0.06	14.56	2.14	196.47	48.31	63.97	35.28	18.72	3.56	1.27	0.45	0.35	
14	0.06	3.71	2.14	218.88	32.66	42.80	36.87	16.85	3.42	1.21	0.55	0.21	
15	0.06	1.69	2.20	112.36	31.42	80.46	27.73	16.20	3.42	1.09	0.50	0.21	
16	0.06	1.15	2.14	43.89	23.35	159.55	25.33	16.48	3.28	1.04	0.50	0.06	
17	0.09	1.51	2.14	27.73	19.48	1577.09	152.99	14.83	3.14	1.04	0.60	0.21	
18	1.21	0.98	2.20	21.01	18.72	728.88	261.61	13.93	3.01	1.45	0.60	0.30	
19	0.81	0.92	20.63	30.18	14.83	278.46	85.85	13.30	2.94	1.45	0.45	0.06	
20	0.55	0.87	9.24	79.00	76.82	132.53	50.21	12.42	2.80	1.51	0.45	0.09	
21	0.26	0.81	4.06	50.89	23.74	93.67	59.78	11.81	2.67	1.51	0.35	0.21	
22	0.09	7.68	3.78	22.96	48.31	96.30	203.32	10.94	2.53	1.27	0.35	0.13	
23	0.13	26.93	3.92	94.55	257.43	145.66	182.05	10.43	2.33	1.27	0.35	0.13	
24	0.98	3.78	8.50	35.28	173.24	140.95	84.13	9.66	2.33	1.21	0.30	0.17	
25	7.44	1.95	10.17	40.62	59.78	366.52	55.65	9.24	2.20	1.04	0.40	0.17	
26	3.14	1.51	39.54	41.16	43.89	257.43	44.99	8.74	2.01	0.92	0.21	0.00	
27	1.27	1.45	102.50	112.36	33.71	107.86	41.16	8.09	2.01	0.92	0.35	0.00	
28	0.87	1.09	51.56	54.28	25.33	77.55	62.57	7.84	2.01	0.87	0.35	0.06	
29	0.55	0.98	22.96	23.35	21.79	65.38	57.02	7.68	1.95	0.92		0.00	
30	0.45	1.82	21.79	17.97	19.10	57.71	54.28	7.04	1.82	0.92		0.00	
31		1.69		13.30	26.93		65.38		1.76	0.87		0.09	
TOTAL	20.03	123.89	470.42	1547.95	1671.02	5169.23	1978.71	555.45	110.62	40.64	16.09	5.68	11709.73 TONDAY
MEAN	0.67	4.00	15.68	49.93	53.90	172.31	63.83	18.52	3.57	1.31	0.57	0.18	
MAX	7.44	26.93	102.50	218.88	351.03	1577.09	261.61	59.78	6.64	1.76	1.04	0.45	1577.09
MIN	0.06	0.50	1.63	12.07	7.28	11.54	24.93	7.04	1.76	0.87	0.21	0.00	0.00

WATER YEAR 1985

MUN RIVER BASIN

MUN RIVER AT SERI PRACHATHIPPATAI BRIDGE, UBON RATCHATHANI (M.7)

LOCATION	LAT. 15-13-17 N., LONG. 104-51-39 E., ON LEFT BANK AT THE SERI PRACHATHIPPATAI, AMPHOE MUANG, UBON RATCHATHANI.
DRAINAGE AREA	106,673 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.P-61
PERIOD OF AVAILABLE RECORDS	1964 TO DATE
ACTUAL MEASUREMENT	1964 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1978 - 1985

RID COMPUTER CENTER

47-1602001

STATION - SERI PRACHATHIPATAI BRIDGE, MUANG, UBON RATCHATHANI, M.7
STREAM - MUN
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

0.88252
QS = 20.1318 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN HUNDRED TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10.	15.	28.	50.	39.	134.	159.	95.	43.	12.	7.	8.	
2	9.	15.	28.	49.	42.	129.	154.	92.	41.	11.	7.	8.	
3	9.	14.	29.	47.	44.	129.	150.	89.	39.	11.	8.	8.	
4	10.	14.	29.	48.	50.	129.	145.	85.	38.	11.	8.	8.	
5	10.	14.	28.	48.	66.	136.	139.	80.	36.	11.	8.	8.	
6	10.	13.	27.	48.	75.	141.	134.	76.	34.	11.	8.	8.	
7	10.	13.	26.	46.	77.	147.	130.	73.	33.	10.	8.	8.	
8	10.	13.	25.	45.	77.	142.	124.	70.	32.	10.	9.	8.	
9	10.	14.	25.	45.	87.	136.	118.	67.	30.	10.	9.	8.	
10	10.	15.	25.	44.	108.	132.	112.	64.	29.	9.	9.	8.	
11	9.	15.	25.	44.	131.	134.	105.	63.	27.	9.	9.	8.	
12	9.	16.	25.	44.	147.	140.	101.	62.	26.	9.	9.	8.	
13	9.	17.	27.	46.	156.	145.	98.	61.	25.	9.	9.	8.	
14	9.	18.	29.	48.	162.	148.	95.	61.	23.	8.	9.	8.	
15	9.	19.	32.	53.	166.	148.	91.	60.	21.	8.	9.	8.	
16	9.	20.	35.	55.	169.	147.	90.	60.	20.	8.	9.	8.	
17	9.	23.	36.	58.	170.	148.	95.	60.	19.	8.	9.	8.	
18	9.	24.	39.	62.	170.	151.	97.	59.	18.	8.	9.	8.	
19	10.	25.	46.	64.	169.	152.	97.	58.	17.	8.	9.	8.	
20	10.	25.	51.	66.	168.	155.	98.	58.	16.	8.	9.	8.	
21	10.	26.	57.	65.	167.	159.	99.	57.	16.	8.	9.	8.	
22	10.	28.	58.	64.	166.	163.	100.	55.	15.	8.	9.	8.	
23	10.	30.	59.	62.	166.	166.	100.	54.	15.	8.	9.	8.	
24	11.	30.	59.	58.	165.	171.	101.	53.	15.	8.	8.	8.	
25	12.	30.	58.	54.	164.	174.	102.	52.	14.	8.	8.	8.	
26	12.	30.	57.	48.	162.	174.	102.	50.	14.	8.	8.	8.	
27	14.	29.	56.	45.	160.	172.	102.	48.	14.	8.	8.	8.	
28	14.	28.	55.	42.	156.	169.	102.	46.	13.	8.	8.	8.	
29	14.	27.	54.	40.	151.	166.	101.	45.	13.	8.		8.	
30	15.	27.	52.	39.	147.	163.	99.	44.	13.	8.		8.	
31		27.		38.	139.		97.		12.	7.		8.	
TOTAL	312.	654.	1180.	1565.	4016.	4500.	3437.	1897.	721.	276.	238.	248.	19044. 100-TD
MEAN	10.	21.	39.	50.	130.	150.	111.	63.	23.	9.	9.	8.	
MAX	15.	30.	59.	66.	170.	174.	159.	95.	43.	12.	9.	8.	174.
MIN	9.	13.	25.	38.	39.	129.	90.	44.	12.	7.	7.	8.	7.

WATER YEAR 1985

MUN RIVER BASIN

LAM DOM YAI AT DET UDOM, UBON RATCHATHANI (M.80)

LOCATION	LAT. 14-53-53 N., LONG. 105-05-08 E., ON LEFT BANK ABOUT 20 METERS DOWNSTREAM FROM THE BRIDGE ON ROAD, AMPHOE DET UDOM, UBON RATCHATHANI.
DRAINAGE AREA	3,363 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.P-61
PERIOD OF AVAILABLE RECORDS	1966 TO DATE
ACTUAL MEASUREMENT	1967 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - DET UDOM, DET UDOM, UBON RATCHATHANI, M.80
STREAM - LAM DOM YAI
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.35036

QS = 1.5230 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.0	35.3	63.0	159.3	563.3	386.1	1540.5	251.5	48.6	8.9	3.6	1.1	
2	0.9	35.3	76.0	159.3	589.6	331.7	1181.1	221.7	43.6	8.9	3.6	1.1	
3	0.9	34.1	82.9	159.3	533.4	512.4	978.0	192.9	41.2	8.0	3.2	1.0	
4	0.7	26.1	57.7	190.3	718.5	1078.3	837.7	172.6	38.8	8.0	3.2	0.9	
5	0.7	21.1	42.4	248.8	989.0	1533.0	917.9	157.2	36.4	8.0	3.2	0.9	
6	0.6	16.4	35.3	413.2	885.6	1645.4	891.0	147.1	36.4	8.0	2.9	0.9	
7	0.6	16.4	37.6	448.8	723.5	1547.9	723.5	143.0	34.1	8.0	2.9	0.9	
8	0.6	17.9	46.1	364.6	563.3	1386.5	609.0	139.0	34.1	7.0	2.6	0.7	
9	0.5	27.8	59.0	392.2	633.5	1132.8	516.6	137.0	29.6	7.0	2.4	0.7	
10	0.5	125.3	46.1	550.4	2228.0	1050.2	463.2	131.1	28.7	7.0	2.1	0.7	
11	0.5	91.7	46.1	546.2	3724.0	1167.3	416.7	127.2	27.0	7.0	2.1	0.6	
12	0.4	64.4	40.0	576.2	3940.4	1736.7	392.2	123.4	21.9	7.0	2.1	0.6	
13	0.4	65.7	36.4	967.0	3902.6	2030.1	355.6	119.5	20.3	6.1	1.7	0.6	
14	1.1	86.4	93.5	1174.2	4029.2	1954.7	346.6	113.8	20.3	6.1	1.7	0.6	
15	1.1	88.2	221.7	1061.4	3677.4	1986.3	340.5	108.2	18.7	6.1	1.7	0.6	
16	0.5	127.2	358.6	806.1	2930.8	2717.8	322.8	93.5	18.7	5.2	1.6	0.6	
17	0.4	151.1	367.7	599.3	2420.9	4285.5	567.6	82.9	18.7	5.2	1.6	0.6	
18	0.5	151.1	331.7	537.7	1829.3	5186.5	1044.6	79.5	17.1	4.9	1.6	0.6	
19	0.7	182.7	383.0	754.2	1336.2	6107.1	1078.3	79.5	16.4	4.6	1.4	0.6	
20	0.7	200.6	541.9	961.5	1126.0	6731.0	1078.3	79.5	15.6	4.6	1.4	0.6	
21	0.6	185.2	633.5	923.4	1106.6	7076.4	1033.4	77.7	15.6	4.6	1.4	0.5	
22	3.2	180.1	728.6	728.6	994.5	7159.3	837.7	74.3	14.1	4.6	1.4	0.5	
23	3.6	135.1	678.1	559.0	1321.9	6911.4	668.1	72.6	14.1	4.2	1.4	0.5	
24	3.9	111.9	594.5	459.6	1891.7	6698.4	580.5	69.9	14.1	4.2	1.4	0.5	
25	7.0	91.7	488.8	346.6	1790.6	6213.6	541.9	65.7	14.1	4.2	1.4	0.5	
26	7.5	93.5	389.1	257.0	1321.9	5483.8	496.2	61.7	12.0	4.2	1.4	0.5	
27	33.2	74.3	416.7	192.9	950.6	4480.3	456.0	57.7	12.0	4.2	1.1	0.5	
28	33.2	61.7	259.9	159.3	744.0	3538.4	427.3	52.5	12.0	3.9	1.1	0.5	
29	31.4	47.4	195.5	151.1	589.6	2869.5	343.6	51.2	11.3	3.6		0.5	
30	26.1	40.0	159.3	332.5	492.5	1729.0	288.0	48.6	8.9	3.6		0.5	
31		38.8		383.0	427.3		265.4		8.9	3.6		0.5	
TOTAL	163.0	2624.5	7510.7	15463.0	48975.7	96667.4	20539.8	3332.0	703.3	180.5	57.2	20.4	196237.5 TONDAY
MEAN	5.4	84.7	250.4	498.8	1579.9	3222.2	662.6	111.1	22.7	5.8	2.0	0.7	
MAX	33.2	200.6	728.6	1174.2	4029.2	7159.3	1540.5	251.5	48.6	8.9	3.6	1.1	7159.3
MIN	0.4	16.4	35.3	151.1	427.3	331.7	265.4	48.6	8.9	3.6	1.1	0.5	0.4

WATER YEAR 1985

MUN RIVER BASIN

LAM TAKHONG AT PAK CHONG, NAKHON RATCHASIMA (M.89)

LOCATION LAT. 14-41-46 N., LONG. 101-25-07 E., ON LEFT BANK AT THE BRIDGE INFRONT OF VACCINE SERUM OFFICE, AMPHOE PAK CHONG, NAKHON RATCHASIMA.

DRAINAGE AREA 699 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1981 TO DATE

ACTUAL MEASUREMENT 1981 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - PAK CHONG, PAK CHONG, NAKHON RATCHASIMA, M.89
STREAM - LAM TA KHONG
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.69361
QS = 1.7131 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.36	35.82	38.06	78.12	40.36	466.42	78.12	114.56	52.68	10.70	4.42	3.03	
2	6.26	22.46	40.36	125.47	35.82	196.36	63.48	90.71	35.82	9.50	4.42	3.03	
3	5.31	14.64	35.82	107.52	31.69	136.79	57.98	78.12	29.70	9.50	4.42	3.72	
4	5.31	13.27	33.63	72.11	31.69	173.66	52.68	69.19	27.86	9.50	4.42	3.72	
5	5.31	10.70	40.36	63.48	69.19	290.56	55.30	60.70	25.98	8.36	3.72	3.72	
6	10.70	9.50	148.50	63.48	100.65	160.60	45.13	52.68	24.24	8.36	3.72	3.72	
7	11.96	8.36	72.11	50.11	220.82	114.56	40.36	47.59	24.24	8.36	3.72	3.72	
8	9.50	20.82	50.11	45.13	100.65	132.97	40.36	45.13	22.46	8.36	3.72	3.72	
9	9.50	69.19	38.06	45.13	75.09	90.71	38.06	42.72	20.82	8.36	3.72	3.03	
10	10.70	66.31	33.63	45.13	60.70	81.19	38.06	42.72	19.16	8.36	3.72	3.03	
11	7.28	31.69	31.69	42.72	87.49	87.49	35.82	40.36	16.07	8.36	3.72	2.40	
12	6.26	107.52	50.11	81.19	90.71	84.32	35.82	38.06	16.07	8.36	4.42	3.03	
13	7.28	182.60	35.82	178.11	66.31	84.32	60.70	38.06	16.07	8.36	4.42	3.72	
14	5.31	72.11	45.13	169.26	55.30	81.19	66.31	38.06	16.07	8.36	4.42	2.40	
15	4.42	140.65	55.30	148.50	50.11	97.29	132.97	35.82	14.64	8.36	4.42	3.03	
16	4.42	156.52	47.59	104.06	63.48	114.56	78.12	35.82	14.64	8.36	3.72	3.03	
17	20.82	75.09	52.68	72.11	164.91	118.15	63.48	40.36	13.27	8.36	3.72	3.03	
18	268.13	78.12	50.11	107.52	574.24	97.29	114.56	38.06	13.27	7.28	3.72	3.03	
19	25.98	50.11	63.48	84.32	313.48	313.48	319.38	33.63	13.27	7.28	3.72	2.40	
20	14.64	33.63	230.88	72.11	173.66	439.08	279.25	29.70	13.27	7.28	3.03	2.40	
21	11.96	27.86	635.15	55.30	132.97	393.14	246.66	29.70	13.27	7.28	3.03	2.40	
22	9.50	45.13	419.29	57.98	118.15	399.62	201.03	27.86	14.64	7.28	3.03	2.40	
23	9.50	93.98	393.14	93.98	121.79	466.42	246.66	25.98	14.64	7.28	3.03	2.40	
24	22.46	72.11	343.19	111.02	132.97	367.95	156.52	25.98	13.27	6.26	3.03	1.86	
25	10.70	111.02	515.57	97.29	230.88	307.62	111.02	24.24	11.96	6.26	3.03	2.40	
26	8.36	72.11	675.57	90.71	152.49	225.72	87.49	24.24	11.96	6.26	3.03	2.40	
27	27.86	78.12	393.14	63.48	107.52	173.66	132.97	24.24	11.96	5.31	3.03	2.40	
28	24.24	47.59	178.11	90.71	215.75	136.79	205.75	24.24	10.70	4.42	3.72	2.40	
29	16.07	45.13	121.79	60.70	307.62	111.02	273.67	25.98	10.70	4.42		2.40	
30	16.07	50.11	97.29	50.11	325.33	97.29	148.50	57.98	10.70	4.42		2.40	
31		40.36		45.13	515.57		173.66		10.70	4.42		1.86	
TOTAL	604.17	1882.63	4965.67	2571.99	4767.39	6040.22	3679.87	1302.49	564.10	233.33	104.24	87.54	26803.64 TONDAY
MEAN	20.14	60.73	165.52	82.97	153.79	201.34	118.71	43.42	18.20	7.53	3.72	2.82	
MAX	268.13	182.60	675.57	178.11	574.24	466.42	319.38	114.56	52.68	10.70	4.42	3.72	675.57
MIN	4.42	8.36	31.69	42.72	31.69	81.19	35.82	24.24	10.70	4.42	3.03	1.86	1.86

WATER YEAR 1985

MUN RIVER BASIN

HUAI LAM PLAI MAT AT BAN NON SOMBUN, NAKHON RATCHASIMA (M.121)

LOCATION	LAT. 14-18-27 N., LONG. 102-26-22 E., ON LEFT BANK ABOUT 4 KILOMETERS UPSTREAM FROM BAN NON SOMBUN, AMPHOE SOENG SANG, NAKHON RATCHASIMA.
DRAINAGE AREA	487 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1983 - 1985
ACTUAL MEASUREMENT	1983 - 1985
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983 - 1985

RID COMPUTER CENTER 47-1602001

STATION - BAN NON SOMBUN, SOENG SANG, NAKHON RATCHASIMA, M.121
STREAM - LAM PLAI MAT
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 3
1.28787
QS = 1.6269 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.42	0.82	8.17	3.87	10.45	5.79	9.08	4.02	0.92	0.30	0.09	
2	0.18	0.53	1.12	10.45	3.87	9.20	4.76	8.11	3.17	0.82	0.30	0.08	
3	0.15	0.45	1.01	14.55	3.52	12.70	5.90	7.57	2.70	0.75	0.30	0.06	
4	0.26	0.26	0.77	24.64	3.25	11.97	6.78	7.07	2.51	0.75	0.30	0.12	
5	0.20	0.18	0.62	21.79	3.03	10.14	7.87	6.67	2.33	0.75	0.30	0.12	
6	0.13	0.33	0.68	15.30	2.91	9.20	6.90	6.27	2.12	0.70	0.30	0.12	
7	0.12	0.53	1.07	11.64	3.03	9.82	6.15	5.90	2.01	0.63	0.29	0.14	
8	0.12	0.77	1.32	8.89	2.65	14.17	5.68	5.54	1.88	0.60	0.29	0.08	
9	0.06	1.01	1.75	7.31	2.51	16.10	4.97	5.19	1.73	0.63	0.29	0.08	
10	0.02	0.62	1.69	7.45	3.25	13.43	6.64	5.02	1.65	0.67	0.26	0.09	
11	0.03	0.82	1.88	10.97	5.10	15.13	5.79	4.86	1.46	0.70	0.26	0.07	
12	0.06	2.91	3.92	10.14	4.13	13.60	4.65	4.60	1.56	0.67	0.23	0.08	
13	0.06	3.62	3.62	12.70	6.64	12.53	11.48	4.39	1.50	0.67	0.19	0.08	
14	0.06	4.02	3.92	12.53	6.41	10.81	30.03	4.07	1.38	0.63	0.18	0.08	
15	0.08	5.32	4.02	10.14	3.34	10.81	32.71	4.15	1.34	0.60	0.18	0.11	
16	0.13	8.02	3.08	8.02	4.86	10.14	28.71	3.87	1.20	0.55	0.18	0.08	
17	0.23	10.45	3.17	6.78	5.54	9.51	20.01	3.59	1.28	0.55	0.15	0.06	
18	0.33	7.16	2.81	6.52	6.52	8.89	21.34	3.44	1.20	0.55	0.14	0.06	
19	0.42	4.97	2.33	6.90	6.64	10.30	22.47	3.25	1.16	0.58	0.13	0.07	
20	0.53	4.44	4.23	7.31	3.54	11.81	19.90	3.10	1.12	0.52	0.12	0.07	
21	0.65	4.65	6.15	6.01	2.81	12.86	17.45	2.98	1.12	0.48	0.11	0.06	
22	0.77	3.92	8.74	5.10	4.23	13.60	15.44	2.91	1.07	0.45	0.11	0.03	
23	0.86	2.81	8.29	4.86	12.86	12.86	15.27	2.84	1.03	0.55	0.11	0.03	
24	1.12	2.08	10.30	5.79	22.51	11.64	14.38	2.65	0.99	0.55	0.11	0.04	
25	1.44	1.56	16.88	7.16	15.51	10.65	12.40	2.51	0.95	0.41	0.12	0.05	
26	2.17	1.07	19.79	5.10	11.97	11.64	11.26	2.37	0.92	0.38	0.13	0.07	
27	2.49	0.74	16.88	4.52	9.82	14.17	14.38	2.33	0.92	0.38	0.12	0.06	
28	1.28	0.65	15.13	4.07	13.80	11.48	13.67	2.58	0.86	0.48	0.11	0.06	
29	0.68	0.68	12.17	4.07	21.79	9.51	11.38	4.94	0.99	0.52		0.04	
30	0.45	0.57	10.14	3.67	16.70	7.87	10.01	5.99	0.92	0.35		0.05	
31		0.53		4.07	13.06		9.64		0.86	0.30		0.03	
TOTAL	15.34	76.09	168.30	276.62	229.67	346.99	403.81	137.84	47.95	18.09	5.61	2.26	1728.57 TONDAY
MEAN	0.51	2.45	5.61	8.92	7.41	11.57	13.03	4.59	1.55	0.58	0.20	0.07	
MAX	2.49	10.45	19.79	24.64	22.51	16.10	32.71	9.08	4.02	0.92	0.30	0.14	32.71
MIN	0.02	0.18	0.62	3.67	2.51	7.87	4.65	2.33	0.86	0.30	0.11	0.03	0.02

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

PRACHIN BURI RIVER AT KABIN BURI, PRACHIN BURI (KGT.3)

LOCATION	LAT. 13-59-05 N., LONG. 101-42-32 E., ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE AND ABOUT 500 METERS DOWNSTREAM FROM THE CONFLUENCE OF LAM PRONG AND LAM HANUMAN, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	7,502 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1964 TO DATE
ACTUAL MEASUREMENT	1966-1968,1970-1972,1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1966-1985

RID COMPUTER CENTER

47-1602001

STATION - KABIN BURI, KABIN BURI, PRACHIN BURI, KGT.3
STREAM - PRACHIN BURI
RIVER - PRACHIN BURI
RIVER SYSTEM - PRACHIN BURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.15525
QS = 4.8068 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.4	281.6	586.7	1503.3	1218.8	2705.3	4629.9	1647.2	430.0	52.3	17.8	13.9	
2	2.2	205.4	600.5	1388.5	1381.4	2129.1	4009.5	1402.8	374.6	50.1	16.4	13.2	
3	1.2	153.1	650.7	1518.9	1460.1	2500.9	3156.2	1183.8	337.0	48.5	16.4	11.3	
4	1.2	122.6	539.3	2388.0	1438.6	2744.4	2511.2	1065.9	339.9	45.5	16.4	9.5	
5	1.2	93.1	693.9	2443.1	1590.2	3124.4	1966.2	942.9	333.0	42.5	16.4	8.9	
6	1.7	67.9	1204.7	2146.7	1664.3	3606.4	1543.0	847.7	296.0	41.0	15.8	7.1	
7	1.2	48.5	1590.2	1940.1	1614.4	4240.7	1275.0	753.8	259.6	40.3	15.8	7.1	
8	1.2	57.0	1338.7	1655.7	1566.0	4727.9	1117.7	683.1	240.8	37.4	15.8	6.5	
9	0.7	61.6	770.3	1488.9	1647.2	4618.7	1040.7	640.0	223.0	37.4	15.8	6.5	
10	0.7	71.1	477.0	1574.4	1764.6	4296.0	1028.1	600.5	220.2	34.4	16.4	6.5	
11	0.7	107.3	377.6	2051.2	1890.4	4185.5	1324.5	562.4	208.2	33.7	15.8	5.4	
12	0.7	171.8	596.3	2333.1	2076.3	3812.7	1282.1	581.4	225.8	33.7	14.5	4.8	
13	0.7	266.3	610.1	3434.0	2351.0	3273.3	1162.8	640.0	210.9	32.3	13.9	4.8	
14	0.7	396.6	737.4	4395.8	2085.1	2773.1	1474.5	645.4	205.4	32.3	13.2	4.3	
15	0.7	808.8	748.3	4318.2	2060.0	2368.8	1738.8	997.3	194.4	30.9	12.0	3.7	
16	0.7	1275.0	819.9	4009.5	2930.3	2137.9	1982.4	897.9	182.6	30.9	12.0	3.7	
17	4.8	1402.8	1065.9	3380.3	3124.4	2208.6	1915.2	731.9	174.5	29.4	12.0	2.7	
18	21.1	1388.5	1331.6	3156.2	3124.4	3412.5	1948.8	619.7	158.4	28.0	11.3	2.2	
19	24.5	1218.8	1460.1	3273.3	2569.2	4595.0	1797.8	520.5	139.9	28.0	10.1	1.7	
20	24.5	1009.8	1974.9	2960.5	2675.4	5634.6	1518.9	459.6	127.7	28.0	10.1	1.7	
21	34.4	847.7	2890.9	2783.5	2578.3	6443.0	1511.7	420.8	114.9	27.3	9.5	1.7	
22	27.3	759.3	3434.0	2342.0	3812.7	6511.7	2017.4	389.6	109.8	27.3	8.9	2.7	
23	33.7	553.0	3487.8	1915.2	4307.1	6151.6	3052.9	329.1	100.5	25.9	8.9	1.7	
24	29.4	683.1	3273.3	1705.7	4558.7	5647.6	3358.9	321.3	93.1	24.5	8.9	1.7	
25	104.7	1004.2	3498.5	1558.7	4163.5	5338.6	3284.0	299.9	85.7	24.5	10.1	1.2	
26	60.1	831.0	3574.0	1581.7	3316.1	5044.7	2981.6	273.9	81.6	23.2	24.5	1.7	
27	34.4	677.7	3326.8	1431.4	2910.5	4829.0	2453.4	259.6	78.3	21.8	14.5	1.2	
28	50.1	557.2	2871.2	1360.0	3380.3	4690.1	2137.9	250.2	72.7	21.1	13.2	0.7	
29	74.3	567.7	2324.2	1331.6	4086.4	4753.1	1982.4	273.9	66.3	19.8		0.7	
30	155.7	596.3	1923.9	1204.7	3649.7	4829.0	1864.4	467.8	61.6	18.4		0.7	
31		605.8		1143.1	3135.0		1915.2		57.0	18.4		0.7	
TOTAL	699.9	16890.6	48778.7	69717.3	80130.4	123334.2	64983.1	19709.9	5803.4	988.8	386.4	140.2	431563.0 TONDAY
MEAN	23.3	544.9	1626.0	2248.9	2584.9	4111.1	2096.2	657.0	187.2	31.9	13.8	4.5	
MAX	155.7	1402.8	3574.0	4395.8	4558.7	6511.7	4629.9	1647.2	430.0	52.3	24.5	13.9	6511.7
MIN	0.7	48.5	377.6	1143.1	1218.8	2129.1	1028.1	250.2	57.0	18.4	8.9	0.7	0.7

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

KHLONG PHRA SATHUNG AT BAN WANG KHIAN, PRACHIN BURI (KGT.10)

LOCATION	LAT. 13-48-29 N., LONG. 102-03-35 E., ON LEFT BANK NEAR SAHA CHAROEN SAWMILL, BAN WANG KHIAN, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	2,523 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1969 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1969-1985

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG KHIAN, SA KAEO, PRACHIN BURI, KGT.10
STREAM - KHLONG PHRA SATHUNG
RIVER - KHLONG PHRA PRONG
RIVER SYSTEM - PRACHIN BURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION 120988
1.14717
QS = 4.6774 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.9	51.5	105.3	47.2	189.7	147.3	671.8	168.1	40.8	12.5	6.4	4.6	
2	10.0	28.9	133.3	38.8	271.7	110.1	527.4	144.0	39.5	12.5	6.4	4.9	
3	7.6	22.9	97.7	46.5	277.2	88.2	386.0	119.8	37.0	12.1	6.4	4.6	
4	6.0	18.2	78.7	90.1	279.9	94.8	286.7	106.3	34.4	11.7	6.4	3.9	
5	4.6	15.1	199.9	141.9	277.2	339.8	232.8	96.7	32.6	11.3	6.4	3.3	
6	3.9	13.8	258.2	152.7	230.2	561.0	238.1	87.3	30.7	10.8	6.4	2.7	
7	3.3	12.5	164.8	146.2	302.1	683.0	222.2	86.3	28.3	10.8	6.4	2.7	
8	3.6	11.7	88.2	177.7	300.6	568.9	187.3	86.3	27.1	10.8	6.0	2.7	
9	2.7	78.7	54.5	404.3	344.5	895.2	269.0	73.6	26.5	10.4	6.0	2.1	
10	1.6	99.6	35.1	701.4	273.1	671.8	568.9	70.3	25.3	10.4	6.0	1.9	
11	1.2	113.0	27.1	739.1	279.9	376.4	480.5	79.5	24.1	10.4	5.2	2.1	
12	1.2	109.2	21.4	696.7	346.1	444.8	381.2	78.7	22.9	10.4	5.2	2.1	
13	1.6	79.5	20.5	975.3	240.8	328.7	387.6	150.6	21.4	10.4	4.9	1.6	
14	1.4	104.4	31.3	955.2	148.4	286.7	559.0	515.6	20.5	10.0	4.9	1.4	
15	1.6	190.9	83.8	710.8	113.0	352.5	750.9	248.8	20.0	9.6	4.3	1.4	
16	1.4	194.7	104.4	437.5	134.3	620.7	553.1	184.9	19.1	9.6	4.3	1.4	
17	1.6	230.2	103.4	247.5	184.9	972.4	339.8	127.9	18.7	9.6	4.6	1.6	
18	3.3	224.9	75.3	201.2	203.8	1452.8	252.9	96.7	18.7	9.6	4.6	1.6	
19	5.6	184.9	77.8	439.3	186.1	1794.4	262.3	78.7	18.2	9.2	4.3	1.4	
20	8.8	107.2	106.3	539.2	162.6	1728.2	293.5	69.4	17.8	9.2	4.3	1.6	
21	18.7	57.4	140.8	394.1	205.1	1865.0	289.4	61.9	17.8	8.4	3.9	1.6	
22	10.8	43.3	178.9	293.5	395.8	1468.4	582.9	56.7	17.3	8.4	3.3	1.2	
23	145.1	59.7	168.1	202.5	273.1	1139.0	875.9	51.5	16.9	8.0	3.3	1.0	
24	47.2	56.7	120.8	260.9	213.0	1484.2	920.9	47.2	16.0	8.0	3.3	0.5	
25	17.3	111.1	117.9	346.1	194.7	1835.9	587.1	45.9	15.1	7.6	3.3	0.5	
26	12.5	103.4	126.9	269.0	181.3	2042.6	328.7	42.7	14.2	7.2	4.9	0.7	
27	24.7	156.0	115.9	230.2	177.7	2235.5	319.3	41.4	13.8	7.2	5.2	1.0	
28	85.5	94.8	111.1	240.8	162.6	2304.9	314.6	41.4	13.8	6.8	4.9	1.2	
29	262.3	64.1	87.3	207.7	188.5	1937.9	336.6	44.0	13.4	6.8		1.6	
30	143.0	94.8	62.6	146.2	412.9	1251.5	270.4	42.7	13.4	6.8		1.0	
31		98.6		137.6	242.1		207.7		13.0	6.8		0.2	
TOTAL	843.0	2831.7	3097.3	10617.2	7392.9	30082.6	12884.5	3144.9	688.3	293.3	141.5	60.1	72077.3 TONDAY
MEAN	28.1	91.3	103.2	342.5	238.5	1002.8	415.6	104.8	22.2	9.5	5.1	1.9	
MAX	262.3	230.2	258.2	975.3	412.9	2304.9	920.9	515.6	40.8	12.5	6.4	4.9	2304.9
MIN	1.2	11.7	20.5	38.8	113.0	88.2	187.3	41.4	13.0	6.8	3.3	0.2	0.2

WATER YEAR 1985

PRACHIN BURI RIVER BASIN

KHLONG PHRA PRONG AT BAN KAENG, PRACHIN BURI (KGT.12)

LOCATION	LAT. 13-56-02 N., LONG. 101-58-41 E., ON LEFT BANK NEAR THE RAILWAY STATION AT BAN KAENG AND ABOUT 200 METERS UPSTREAM FROM THOT SAPHON SAWMILL AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	1,540 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1969 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN KAENG, SA KAEO, PRACHIN BURI, KGT.12
STREAM - KHLONG PHRA PRONG
RIVER - PRACHIN BURI
RIVER SYSTEM - PRACHIN BURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.06283
QS = 3.7196 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	18.61	45.14	168.70	121.59	118.68	335.79	116.74	31.66	3.76	1.18	2.08	
2	0.06	28.75	46.69	153.88	144.05	111.90	252.99	113.83	33.41	3.40	1.18	1.33	
3	0.03	34.59	44.36	139.15	151.92	102.25	212.60	108.03	35.17	3.05	1.18	0.89	
4	0.03	24.84	38.20	145.03	139.15	105.14	169.70	95.53	35.17	3.05	1.18	0.60	
5	0.00	15.67	34.00	176.64	117.71	121.59	135.23	79.62	31.08	2.86	1.03	0.46	
6	0.00	9.22	44.36	205.58	101.29	154.87	115.77	71.21	28.17	2.70	1.03	0.60	
7	0.09	7.07	46.69	215.62	109.00	236.78	101.29	65.63	26.44	2.70	1.03	0.89	
8	0.12	11.24	42.99	203.58	102.25	323.27	90.75	60.07	23.83	2.51	1.18	1.86	
9	0.12	8.68	29.91	192.57	93.62	378.19	80.52	55.32	23.30	2.31	1.18	1.03	
10	0.12	5.08	22.81	215.62	81.42	408.19	74.42	55.32	21.32	2.31	1.18	0.46	
11	0.25	8.39	16.45	234.76	69.61	363.25	71.21	56.90	19.92	2.24	0.89	0.46	
12	0.22	32.24	14.13	222.66	60.07	291.45	68.82	55.32	18.61	2.24	0.74	0.60	
13	0.22	59.27	12.59	243.86	50.61	240.83	69.61	50.61	17.75	2.12	0.60	0.46	
14	0.22	71.21	15.28	303.90	42.99	213.61	72.82	45.14	16.06	2.12	0.60	0.29	
15	0.15	135.23	25.86	327.80	40.25	190.58	85.03	42.30	16.06	2.08	0.46	0.22	
16	0.15	196.57	67.22	312.99	41.62	167.71	109.00	40.25	14.13	2.08	0.46	0.19	
17	1.18	270.27	86.94	289.20	54.54	160.79	116.74	35.17	11.24	2.08	0.32	0.19	
18	4.12	268.23	92.66	269.25	84.13	173.66	130.35	34.59	10.90	2.08	0.32	0.15	
19	9.89	237.79	118.68	255.02	94.58	190.58	140.13	32.83	10.56	2.08	0.32	0.15	
20	12.59	218.63	154.87	245.89	89.80	220.65	151.92	31.08	9.89	1.97	0.29	0.12	
21	7.36	201.57	175.65	216.62	96.49	246.90	147.98	29.91	9.89	1.89	0.29	0.12	
22	6.05	164.74	191.58	175.65	114.80	259.08	151.92	28.17	8.39	1.78	0.29	0.09	
23	4.59	120.62	203.58	144.05	147.00	250.96	184.60	25.86	7.36	1.78	0.29	0.09	
24	3.40	144.05	235.77	119.65	170.69	224.67	215.62	23.83	7.36	1.78	0.32	0.09	
25	2.70	139.15	266.20	109.96	178.63	228.71	208.59	22.81	6.82	1.86	0.89	0.06	
26	3.92	102.25	275.36	102.25	180.62	248.93	165.73	22.29	6.29	1.86	0.74	0.06	
27	9.56	67.22	275.36	94.58	176.64	275.36	152.90	21.80	5.80	1.78	1.89	0.06	
28	16.06	49.04	257.05	85.98	164.74	330.07	142.09	23.30	5.08	1.78	2.08	0.12	
29	32.83	39.57	232.74	76.02	147.00	408.19	134.26	26.44	4.59	1.63		0.09	
30	30.50	38.89	195.57	72.01	130.35	415.08	133.28	28.17	4.36	1.63		1.03	
31		42.99		85.03	119.65		127.43		4.12	1.48		0.60	
TOTAL	146.62	2771.67	3308.69	5803.50	3416.81	7161.92	4349.09	1498.07	504.73	68.99	23.14	15.44	29068.67 TONDAY
MEAN	4.89	89.41	110.29	187.21	110.22	238.73	140.29	49.94	16.28	2.23	0.83	0.50	
MAX	32.83	270.27	275.36	327.80	180.62	415.08	335.79	116.74	35.17	3.76	2.08	2.08	415.08
MIN	0.00	5.08	12.59	72.01	40.25	102.25	68.82	21.80	4.12	1.48	0.29	0.06	0.00

WATER YEAR 1985

MAE KLONG RIVER BASIN

KHWAE NOI RIVER AT BAN LUM SUM, KANCHANABURI (K.10)

LOCATION	LAT. 14-05-40 N., LONG. 99-10-28 E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BAN LUM SUM RAILWAY STATION, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	7,008 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1965 TO DATE
ACTUAL MEASUREMENT	1965-1967,1971-1972,1974 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1978 - 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN LUM SUM, SAI YOK, KANCHANABURI, K.10
STREAM - KHWAE NOI
RIVER - MAE KLONG
RIVER SYSTEM - MAE KLONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.27696
QS = 2.0016 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	88.9	91.8	103.7	2238.7	3328.8	8882.7	4047.8	930.6	1406.9	1921.6	896.8	1159.9	
2	77.4	80.2	97.7	4248.7	2639.6	8740.8	3572.0	797.2	1347.9	1866.3	957.8	876.7	
3	77.4	74.6	88.9	3607.0	2815.7	8038.7	3164.9	668.5	1033.5	2016.2	764.6	745.1	
4	71.8	66.3	91.8	5886.1	2874.9	7746.1	2746.9	1282.1	944.2	2219.9	563.2	491.3	
5	69.0	63.6	88.9	6772.5	3421.0	6788.9	2201.2	693.8	917.1	2304.5	764.6	485.4	
6	83.1	66.3	100.7	6188.3	3830.6	7023.7	2043.7	587.6	491.3	1803.4	706.6	551.0	
7	97.7	58.2	91.8	5155.3	4021.2	7298.1	1764.4	1195.6	649.6	1663.8	856.7	438.8	
8	100.7	74.6	103.7	4696.6	3665.6	7319.3	1253.1	1159.9	1274.9	1702.3	719.4	515.0	
9	77.4	74.6	106.7	3712.6	3386.3	7002.7	1117.4	1245.9	1421.8	1282.1	485.4	687.5	
10	66.3	69.0	122.0	4114.6	2408.7	6609.1	1019.6	1195.6	1444.1	1209.9	309.4	681.2	
11	63.6	77.4	291.2	4154.7	1842.7	6641.7	850.0	1040.4	1772.2	1474.0	309.4	503.1	
12	66.3	103.7	485.4	5186.2	1795.6	5957.0	681.2	681.2	1702.3	1311.3	387.6	771.1	
13	63.6	94.7	497.2	4711.7	1953.4	5627.3	992.0	1282.1	1640.8	1304.0	467.8	971.5	
14	63.6	80.2	515.0	4101.2	2475.6	6414.1	2117.5	1489.0	1694.6	1075.3	1054.3	1594.9	
15	63.6	77.4	569.2	3409.4	2659.0	6108.1	3094.4	1733.3	1663.8	649.6	1496.5	1733.3	
16	60.9	77.4	1384.7	3340.3	2874.9	6333.3	2007.1	1444.1	1451.6	668.5	1103.3	1694.6	
17	80.2	83.1	917.1	3937.6	3502.1	6462.8	1549.3	713.0	1526.6	606.1	1012.7	1406.9	
18	91.8	106.7	563.2	4424.5	3286.7	8388.1	1579.7	606.1	1780.0	764.6	1340.5	823.5	
19	77.4	91.8	393.2	6060.1	3084.3	7899.8	1340.5	456.1	1686.9	797.2	1421.8	1224.3	
20	69.0	77.4	304.8	6172.3	3276.5	7596.2	1089.3	569.2	1905.8	599.9	1686.9	1866.3	
21	74.6	71.8	295.7	5294.7	2737.1	7340.5	951.0	751.6	2164.0	643.4	1587.3	1850.5	
22	74.6	94.7	433.0	4651.2	2485.2	8085.1	1019.6	606.1	1988.8	1526.6	1267.6	1929.6	
23	77.4	106.7	662.2	5232.6	2494.8	7596.2	1997.9	581.5	1858.4	1602.5	1217.1	2182.6	
24	77.4	88.9	937.4	6124.1	2313.9	7681.8	3154.8	751.6	1741.1	1325.9	1296.7	1929.6	
25	74.6	88.9	1231.5	5863.0	2164.0	8811.7	2043.7	467.8	1874.2	624.7	1282.1	1625.4	
26	74.6	86.0	896.8	3747.9	1929.6	9001.4	1579.7	450.3	1866.3	532.9	1399.5	1842.7	
27	71.8	83.1	917.1	4181.5	2351.7	9744.5	1594.9	944.2	1795.6	360.6	1152.8	1819.1	
28	83.1	52.9	1068.3	3937.6	4302.6	8764.4	1549.3	1019.6	2080.6	563.2	985.2	1733.3	
29	80.2	103.7	1406.9	3537.0	8388.1	7446.8	1012.7	1124.5	1988.8	830.1		1890.0	
30	106.7	94.7	2229.3	3467.3	10157.4	4533.5	964.6	1489.0	1803.4	944.2		2007.1	
31		109.7		3771.5	8224.7		1054.3		1648.4	1005.8		1602.5	
TOTAL	2304.7	2570.1	16995.1	141926.8	106692.3	221884.4	55154.5	27957.5	48565.5	37200.4	27493.6	39633.8	728378.8 TONDAY
MEAN	76.8	82.9	566.5	4578.3	3441.7	7396.1	1779.2	931.9	1566.6	1200.0	981.9	1278.5	
MAX	106.7	109.7	2229.3	6772.5	10157.4	9744.5	4047.8	1733.3	2164.0	2304.5	1686.9	2182.6	10157.4
MIN	60.9	52.9	88.9	2238.7	1795.6	4533.5	681.2	450.3	491.3	360.6	309.4	438.8	52.9

WATER YEAR 1985

MAE KLONG RIVER BASIN

LAM PHACHI AT BAN BO, RATCHABURI (K.17)

LOCATION	LAT. 13-32-41 N., LONG. 99-21-22 E., ON LEFT BANK OPPOSITE TO THE 'SAI NGAM' FRONTIER POLICE STATION, TAMBON SUAN PHUNG, AMPHOE CHUM BUNG, RATCHABURI.
DRAINAGE AREA	1,355 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1980 - 1986
ACTUAL MEASUREMENT	1980 - 1986
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1980 - 1986

RID COMPUTER CENTER

47-1602001

STATION - BAN BO KHEM, SUAN PHUNG, RATCHABURI, K.17
STREAM - LAM PHACHI
RIVER - KHWAE NOI
RIVER SYSTEM - MAE KLONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.25140
QS = 26.9227 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.0	1373.9	180.3	196.2	316.2	251.9	963.4	2319.9	816.5	245.5	180.3	145.0	
2	4.5	354.2	125.4	213.4	272.1	213.4	792.5	2187.1	721.3	245.5	180.3	145.0	
3	4.5	175.4	106.5	1204.6	219.6	191.2	674.7	1850.3	663.1	239.3	175.4	145.0	
4	4.5	125.4	91.6	5099.3	191.2	170.5	564.6	1634.7	607.2	239.3	175.4	140.3	
5	3.4	91.6	77.2	3437.9	170.5	160.3	464.7	1458.3	575.2	239.3	175.4	140.3	
6	4.0	73.9	66.9	1568.0	165.1	150.2	394.2	1373.9	533.2	232.5	175.4	140.3	
7	4.0	73.9	60.5	1114.9	160.3	140.3	354.2	1250.3	503.3	225.8	170.5	140.3	
8	4.5	522.7	54.2	733.1	145.0	140.3	331.2	1144.2	464.7	225.8	170.5	140.3	
9	7.0	331.2	51.1	585.8	135.1	170.5	522.7	1086.5	455.2	225.8	170.5	140.3	
10	4.0	378.1	48.1	455.2	130.5	191.2	564.6	1044.2	426.8	225.8	170.5	135.1	
11	2.3	245.5	57.4	483.9	125.4	165.1	596.5	1072.4	410.5	219.6	165.1	135.1	
12	1.9	206.8	77.2	394.2	155.0	150.2	607.2	1219.8	410.5	213.4	165.1	135.1	
13	1.0	150.2	88.1	410.5	245.5	140.3	45848.2	2456.8	378.1	213.4	165.1	145.0	
14	0.6	213.4	88.1	493.6	308.5	145.0	18855.1	5853.9	362.1	213.4	165.1	150.2	
15	0.6	324.0	88.1	483.9	245.5	301.3	10040.3	3653.4	354.2	213.4	165.1	145.0	
16	0.2	213.4	84.3	370.1	201.7	617.9	7740.9	2373.6	339.0	213.4	160.3	140.3	
17	7.0	272.1	77.2	301.3	175.4	733.1	5312.8	1825.9	331.2	206.8	155.0	130.5	
18	63.7	265.1	80.9	258.8	155.0	503.3	6868.7	1436.5	324.0	206.8	155.0	130.5	
19	14.8	185.7	125.4	232.5	140.3	418.6	5312.8	1265.7	316.2	201.7	155.0	130.5	
20	28.3	155.0	219.6	213.4	130.5	1777.3	3812.2	1281.0	316.2	201.7	155.0	125.4	
21	22.0	120.9	436.3	206.8	125.4	1753.1	3853.3	1219.8	308.5	201.7	150.2	120.9	
22	63.7	99.0	513.0	232.5	140.3	1436.5	8440.4	1072.4	301.3	201.7	339.0	115.9	
23	25.9	102.9	324.0	206.8	150.2	2319.9	15387.7	950.9	293.7	196.2	150.2	115.9	
24	54.2	145.0	410.5	232.5	175.4	1850.3	15490.2	840.6	286.6	196.2	150.2	115.9	
25	9.4	145.0	445.7	251.9	196.2	2029.3	7930.5	780.5	279.1	191.2	155.0	115.9	
26	42.1	150.2	362.1	232.5	213.4	1358.3	5152.5	733.1	279.1	191.2	155.0	155.0	
27	57.4	125.4	331.2	219.6	251.9	1373.9	3853.3	709.6	279.1	185.7	155.0	140.3	
28	115.9	106.5	316.2	191.2	324.0	1590.2	3176.6	697.9	279.1	185.7	150.2	125.4	
29	331.2	102.9	272.1	175.4	436.3	1420.8	3023.6	963.4	258.8	185.7		120.9	
30	889.3	331.2	232.5	180.3	386.2	1327.3	2544.7	1100.7	258.8	180.3		111.4	
31		1100.7		219.6	308.5		2319.9		251.9	180.3		111.4	
TOTAL	1793.9	8261.2	5491.7	20599.7	6496.2	23191.5	181794.2	46857.3	12384.5	6544.1	4754.8	4128.4	322297.5 TONDAY
MEAN	59.8	266.5	183.1	664.5	209.6	773.1	5864.3	1561.9	399.5	211.1	169.8	133.2	
MAX	889.3	1373.9	513.0	5099.3	436.3	2319.9	45848.2	5853.9	816.5	245.5	339.0	155.0	45848.2
MIN	0.2	73.9	48.1	175.4	125.4	140.3	331.2	697.9	251.9	180.3	150.2	111.4	0.2

WATER YEAR 1985

MAE KLONG RIVER BASIN

LAM TAPHOEN AT BAN WANG YAI, KANCHANABURI (K.27)

LOCATION	LAT. 14-20-14 N., LONG. 99-29-22 E., ON LEFT BANK ABOUT 3 KILOMETERS UPSTREAM FROM BAN LAT YA, AMPHOE BO PHLOI, KANCHANABURI.
DRAINAGE AREA	1,921 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984 - 1985
ACTUAL MEASUREMENT	1984 - 1985
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG YAI, BO PHLOI, KANCHANABURI, K.27
STREAM - LAM TAPHOEN
RIVER - KHWAE YAI
RIVER SYSTEM - MAE KLONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.27006
QS = 6.7363 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.9	1.0	9.9	4.6	12.7	3.8	579.9	574.2	60.1	20.0	0.0	0.0	
2	0.9	1.0	23.1	5.2	11.8	3.7	531.3	464.7	54.4	18.8	0.0	0.0	
3	0.9	1.1	26.3	5.7	11.0	3.4	397.0	380.0	49.7	17.9	0.0	0.0	
4	1.3	1.2	20.5	6.4	9.9	3.2	339.5	313.7	46.5	0.0	0.0	0.0	
5	0.9	1.2	16.7	6.7	8.8	3.2	347.4	264.1	43.0	0.0	0.0	0.0	
6	0.9	1.2	13.3	6.6	8.3	2.9	303.3	227.0	40.4	0.0	0.0	0.0	
7	0.9	0.8	11.3	6.1	7.8	2.7	221.6	196.0	37.9	0.0	0.0	0.0	
8	1.0	0.8	9.3	5.4	7.3	2.7	166.9	162.5	36.7	0.0	0.0	0.0	
9	0.9	0.8	8.0	5.1	6.7	2.5	131.1	136.4	35.5	0.0	0.0	0.0	
10	0.8	0.9	7.3	4.6	6.2	2.7	112.8	117.5	33.7	0.0	0.0	0.0	
11	0.8	1.0	6.7	4.1	5.9	2.5	122.3	105.3	31.9	0.0	0.0	0.0	
12	0.8	0.9	6.6	4.6	5.7	2.7	173.5	136.4	31.4	0.0	0.0	0.0	
13	0.8	1.0	6.4	6.6	5.4	2.2	229.7	184.7	30.9	0.0	0.0	0.0	
14	0.8	0.9	6.7	25.4	5.1	2.7	505.5	405.6	29.5	0.0	0.0	0.0	
15	0.8	1.1	6.7	43.6	5.1	3.4	1542.1	449.6	28.1	0.0	0.0	0.0	
16	0.8	1.2	6.7	30.9	4.8	3.2	2578.4	380.0	27.2	0.0	0.0	0.0	
17	1.0	1.1	6.4	22.2	4.4	3.1	2279.8	306.8	26.3	0.0	0.0	0.0	
18	1.6	1.0	6.2	17.5	4.3	3.5	1853.1	239.0	25.8	0.0	0.0	0.0	
19	1.1	1.1	6.1	14.2	4.0	17.9	1232.3	191.5	24.5	0.0	0.0	0.0	
20	0.9	4.3	5.9	12.7	4.0	63.9	858.9	156.3	23.6	0.0	0.0	0.0	
21	0.9	4.6	5.6	15.0	3.7	162.5	750.6	132.8	23.1	0.0	0.0	0.0	
22	0.9	4.6	5.1	14.6	3.4	264.1	866.6	114.4	22.2	0.0	0.0	0.0	
23	1.0	4.4	4.9	13.9	3.2	388.5	889.7	101.1	21.8	0.0	0.0	0.0	
24	1.3	4.0	4.8	14.2	3.2	521.0	1232.3	89.4	21.4	0.0	0.0	0.0	
25	1.1	3.7	4.8	15.0	3.1	620.3	1812.5	77.7	20.5	0.0	0.0	0.0	
26	1.0	3.5	4.6	17.1	2.9	1420.9	1853.1	68.8	20.0	0.0	0.0	0.0	
27	0.9	3.1	4.8	17.1	2.9	2022.4	1505.5	62.9	19.6	0.0	0.0	0.0	
28	0.9	4.4	4.8	16.2	2.9	1242.9	1066.7	59.3	18.8	0.0	0.0	0.0	
29	0.9	6.4	4.6	15.4	3.2	952.3	858.9	59.3	27.2	0.0		0.0	
30	1.0	6.7	4.4	13.9	3.4	715.8	771.6	62.9	41.7	0.0		0.0	
31		7.6		13.3	3.7		667.7		21.4	0.0		0.0	
TOTAL	28.7	76.6	258.5	403.9	174.8	8446.6	26781.6	6219.9	974.8	56.7	0.0	0.0	43422.1 TONDAY
MEAN	1.0	2.5	8.6	13.0	5.6	281.6	863.9	207.3	31.4	1.8	0.0	0.0	
MAX	1.6	7.6	26.3	43.6	12.7	2022.4	2578.4	574.2	60.1	20.0	0.0	0.0	2578.4
MIN	0.8	0.8	4.4	4.1	2.9	2.2	112.8	59.3	18.8	0.0	0.0	0.0	0.0

WATER YEAR 1985

PHETCHABURI RIVER BASIN

HUAI MAE PRACHAN AT BAN SA YAI NON, PHETCHABURI (B.6)

LOCATION	LAT. 12-55-56 N., LONG. 99-47-05 E., ON LEFT BANK ABOUT 250 METERS UPSTREAM FROM THE BRIDGE OF KHUAN PHET-KAENG KRACHAN RESERVOIR ROAD, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	1,015 SQ.KM.
METHOD OF SAMPLING	POINT METHOD
INSTRUMENT USED	SOUTH PACIFIC
PERIOD OF AVAILABLE RECORDS	1966 TO DATE
ACTUAL MEASUREMENT	1966-1978
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1966-1978

RID COMPUTER CENTER

47-1602001

STATION - BAN SA YAI NON, THA YANG, PHETCHABURI, B.6
STREAM - HUAI MAE PRACHAN
RIVER - PHETCHABURI
RIVER SYSTEM - PHETCHABURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.61680
QS = 2.3541 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.2	138.3	19.6	1.5	27.9	7.3	204.7	76.6	41.7	2.8	0.6	0.3	
2	0.2	107.4	14.0	1.5	23.1	7.3	117.3	71.0	27.9	2.4	0.6	0.3	
3	0.2	41.7	12.5	1.8	20.5	11.1	79.5	54.3	22.2	2.2	0.6	0.3	
4	0.2	22.2	12.5	1.8	26.9	7.9	60.1	47.0	18.8	2.2	0.6	0.4	
5	0.2	16.3	9.8	1.8	22.2	8.5	47.0	40.0	16.3	2.0	0.6	0.3	
6	0.2	12.5	8.5	2.0	14.7	6.7	36.7	30.8	14.0	2.0	0.6	0.3	
7	0.2	9.8	7.3	3.2	14.7	5.6	32.0	29.8	13.2	1.8	0.6	0.3	
8	0.0	7.9	5.6	3.2	13.2	5.1	29.8	25.9	12.5	1.7	0.6	0.3	
9	0.0	6.7	4.6	2.8	11.1	5.1	30.8	23.1	11.1	1.7	0.6	0.3	
10	0.0	6.1	4.1	2.4	14.7	5.1	71.0	22.2	10.4	1.7	0.6	0.3	
11	0.0	7.9	4.1	2.4	16.3	5.1	88.4	20.5	9.1	1.7	0.6	0.3	
12	0.0	6.1	4.1	2.2	15.5	6.1	60.1	18.8	8.5	1.7	0.5	0.3	
13	0.0	5.6	3.6	1.8	14.7	12.5	740.4	23.1	7.9	1.5	0.5	0.3	
14	0.0	5.6	2.8	5.1	14.0	85.4	32214.5	91.5	7.3	1.5	0.5	0.3	
15	0.0	4.6	2.8	17.1	12.5	230.4	6976.6	88.4	6.7	1.4	0.5	0.3	
16	0.0	9.8	2.4	38.4	11.1	211.0	3540.7	73.8	6.1	1.1	0.5	0.2	
17	0.1	22.2	2.2	25.0	10.4	91.5	4368.7	50.6	6.1	1.1	0.4	0.2	
18	0.2	43.5	2.2	27.9	10.4	94.6	3596.7	35.1	5.6	1.1	0.4	0.1	
19	0.2	107.4	2.2	35.1	28.8	391.5	4779.0	28.8	5.1	1.1	0.4	0.1	
20	0.2	45.2	2.2	79.5	36.7	124.2	2258.3	25.9	5.1	1.1	0.4	0.1	
21	0.2	25.9	2.0	127.7	30.8	217.4	1618.5	25.9	4.6	0.9	0.4	0.1	
22	0.2	18.8	2.0	127.7	60.1	134.7	2780.8	24.1	4.6	0.9	0.4	0.1	
23	0.3	15.5	1.8	153.0	43.5	174.3	2917.8	28.8	4.1	0.9	0.4	0.1	
24	0.3	14.0	1.8	134.7	25.9	278.0	2780.8	22.2	4.1	0.9	0.4	0.1	
25	0.3	14.0	1.8	97.7	20.5	699.9	1220.9	17.9	3.6	0.9	0.3	0.1	
26	0.3	17.9	1.8	127.7	17.1	781.8	565.0	15.5	3.6	0.9	0.3	0.1	
27	0.3	76.6	2.0	292.3	14.7	370.3	349.6	14.0	3.2	0.8	0.3	0.1	
28	0.4	32.0	2.0	127.7	12.5	192.3	223.9	13.2	3.2	0.6	0.3	0.1	
29	50.6	22.2	1.7	76.6	11.1	153.0	145.6	13.2	2.8	0.6		0.1	
30	22.2	25.9	1.7	50.6	9.8	237.0	110.7	24.1	2.8	0.6		0.1	
31		27.9		33.5	8.5		85.4		2.8	0.6		0.1	
TOTAL	77.2	917.5	145.7	1605.7	613.9	4560.7	72131.3	1076.1	295.0	42.4	13.5	6.4	81485.4 TONDAY
MEAN	2.6	29.6	4.9	51.8	19.8	152.0	2326.8	35.9	9.5	1.4	0.5	0.2	
MAX	50.6	138.3	19.6	292.3	60.1	781.8	32214.5	91.5	41.7	2.8	0.6	0.4	32214.5
MIN	0.0	4.6	1.7	1.5	8.5	5.1	29.8	13.2	2.8	0.6	0.3	0.1	0.0

WATER YEAR 1985

WEST COAST-GULF BASIN

KHLONG BANG SAPHAN YAI AT BAN WANG YAO, PRACHUAP KHIRI KHAN (GT.7)

LOCATION — LAT. 11-14-02 N., LONG. 99-26-35 E., ON LEFT BANK NEAR THE BRIDGE OF PHET KASEM HIGHWAY AT BAN WANG YAO, TAMBON RON THONG, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 346 SQ.KM.

METHOD OF SAMPLING — DEPTH INTEGRATING

INSTRUMENT USED — US.D-49

PERIOD OF AVAILABLE RECORDS — 1984 TO DATE

ACTUAL MEASUREMENT — 1978 TO DATE

REMARKS — CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG YAO, BANG SAPHAN, PRACHUAP KHIRI KHAN, GT.7
STREAM - KHLONG BANG SAPHAN YAI
RIVER - KHLONG BANG SAPHAN YAI
RIVER SYSTEM - WEST COAST-GULF

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.10998
QS = 10.0530 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.69	8.72	17.88	35.55	11.17	26.93	318.25	37.83	44.63	11.17	6.34	2.35	
2	1.04	8.17	19.18	31.15	10.61	23.39	113.79	167.08	37.83	11.17	5.70	2.35	
3	1.04	6.98	17.88	29.03	9.94	21.94	74.82	79.60	33.40	10.61	4.76	2.35	
4	1.50	5.18	19.18	29.03	9.94	24.73	221.23	94.10	31.15	10.61	4.14	2.06	
5	1.22	4.76	17.88	31.15	10.61	23.39	183.37	125.48	24.73	10.61	4.35	1.68	
6	0.87	8.72	16.47	24.73	9.94	31.15	105.31	221.23	24.73	9.94	1.78	0.69	
7	0.61	9.94	16.47	21.94	9.94	46.84	105.31	305.55	24.73	9.94	1.68	0.61	
8	0.28	12.42	15.07	19.18	11.17	51.41	1854.43	170.33	24.73	9.94	1.59	0.28	
9	0.13	9.94	13.80	19.18	17.88	46.84	556.64	122.34	23.39	9.94	1.50	0.61	
10	0.00	8.72	17.88	17.88	17.88	37.83	326.75	108.13	23.39	9.94	2.35	0.78	
11	0.00	12.42	31.15	16.47	31.15	37.83	331.00	128.64	21.94	9.94	2.25	1.13	
12	0.00	19.18	29.03	16.47	70.07	33.40	251.74	412.53	20.62	9.39	1.97	1.50	
13	0.00	21.94	29.03	20.62	108.13	31.15	309.78	517.75	19.18	9.39	1.78	2.06	
14	0.00	15.07	26.93	17.88	70.07	26.93	388.42	698.63	19.18	9.39	2.06	1.78	
15	0.00	17.88	21.94	17.88	44.63	23.39	228.82	366.04	17.88	9.39	1.68	2.06	
16	0.00	20.62	26.93	16.47	37.83	21.94	154.16	221.23	17.88	8.17	1.59	2.06	
17	0.00	170.33	26.93	15.07	49.18	21.94	113.79	160.61	16.47	8.17	1.31	2.06	
18	0.00	70.07	33.40	13.80	35.55	26.93	96.89	116.63	16.47	9.39	1.04	2.06	
19	0.44	35.55	77.27	15.07	26.93	31.15	96.89	91.60	16.47	9.94	0.87	1.97	
20	0.96	23.39	163.84	16.47	23.39	35.55	74.82	79.60	16.47	9.39	0.87	1.78	
21	1.04	20.62	255.58	19.18	20.62	31.15	70.07	70.07	15.07	9.94	0.44	1.50	
22	2.84	20.62	305.55	15.07	23.39	29.03	56.02	60.67	13.80	9.94	0.44	1.31	
23	2.25	60.67	496.03	20.62	35.55	56.02	51.41	53.77	12.42	9.94	0.28	1.13	
24	2.64	105.31	228.82	15.07	31.15	29.03	60.67	46.84	11.17	9.94	0.36	0.96	
25	4.55	31.15	144.54	13.80	37.83	29.03	186.65	44.63	11.17	9.39	0.28	0.87	
26	4.35	122.34	110.96	12.42	37.83	58.40	82.07	37.83	11.17	9.39	0.21	0.87	
27	5.18	49.18	79.60	12.42	51.41	51.41	65.35	35.55	11.17	9.94	1.97	0.69	
28	21.94	35.55	60.67	11.17	63.07	128.64	63.07	138.16	11.17	9.39	2.35	0.69	
29	11.17	24.73	49.18	11.17	44.63	84.41	56.02	65.35	11.17	9.39		0.78	
30	9.94	24.73	42.31	11.17	58.40	102.49	58.40	56.02	11.17	7.52		0.69	
31		23.39		11.17	29.03		44.63		11.17	7.52		0.44	
TOTAL	74.68	1008.29	2411.38	578.28	1048.92	1224.27	6700.57	4833.82	605.92	298.73	55.94	42.15	18882.95 TONDAY
MEAN	2.49	32.53	80.38	18.65	33.84	40.81	216.15	161.13	19.55	9.64	2.00	1.36	
MAX	21.94	170.33	496.03	35.55	108.13	128.64	1854.43	698.63	44.63	11.17	6.34	2.35	1854.43
MIN	0.00	4.76	13.80	11.17	9.94	21.94	44.63	35.55	11.17	7.52	0.21	0.28	0.00

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

TRANG RIVER AT BAN THA PRADU, TRANG (X.56)

LOCATION	LAT. 7-46-01 N., LONG. 99-32-25 E., ON LEFT BANK ABOUT 200 METERS FROM HUAI YOT-KRABI HIGHWAY, AND ABOUT 16 KILOMETERS FROM AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	1,801 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1985 TO DATE
ACTUAL MEASUREMENT	1985 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN THA PRADU, HUAI YOT, TRANG, X.56
STREAM - TRANG
RIVER - TRANG
RIVER SYSTEM - PENINSULA WEST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.64391
QS = 0.2762 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.10	23.96	51.31	34.32	23.07	28.55	196.63	391.47	247.15	59.27	12.87	6.30	
2	8.85	31.63	42.66	29.05	18.87	24.85	187.14	300.54	307.88	54.87	12.57	6.08	
3	8.12	28.07	32.15	24.85	16.13	21.78	198.00	315.43	458.94	52.72	12.57	6.30	
4	7.65	26.67	30.59	22.21	14.12	32.15	224.73	441.66	576.30	52.72	12.87	5.46	
5	7.42	40.81	39.00	19.28	12.29	50.61	237.85	529.22	573.40	51.31	12.57	5.25	
6	6.96	51.31	41.42	16.89	11.18	140.12	378.00	689.42	476.48	47.16	12.01	5.25	
7	6.74	49.22	33.75	15.42	10.12	216.15	491.71	975.59	350.96	43.91	11.73	6.96	
8	6.52	33.75	30.07	14.12	9.86	159.80	523.80	1149.77	263.62	41.42	10.91	6.08	
9	6.74	25.75	28.55	13.18	14.77	102.63	570.60	1104.39	221.85	39.00	10.38	5.66	
10	7.19	29.56	24.40	12.57	40.20	74.37	537.40	963.81	188.49	39.00	10.12	5.25	
11	10.12	45.81	21.35	13.81	69.32	63.80	446.57	743.01	158.54	36.63	10.12	5.08	
12	12.01	68.49	19.28	13.49	105.56	80.44	405.51	625.40	134.24	31.10	9.86	4.91	
13	10.38	130.87	18.47	12.87	94.07	102.63	441.66	570.60	118.83	29.05	9.60	4.91	
14	9.35	176.53	20.10	12.29	104.58	79.56	615.60	461.43	116.68	26.21	9.60	5.66	
15	7.42	144.95	19.28	12.29	140.12	104.58	699.96	497.01	141.33	25.75	9.60	5.08	
16	8.36	176.53	18.07	11.46	130.87	112.50	625.40	515.70	220.42	23.96	9.35	4.91	
17	7.65	167.44	23.07	10.91	107.52	157.29	476.48	499.66	265.29	21.78	9.10	4.58	
18	7.65	157.29	65.34	13.81	82.21	146.17	365.18	431.90	209.09	21.78	8.85	4.42	
19	8.12	142.53	309.72	12.29	60.76	120.98	275.40	439.21	162.33	20.51	8.60	4.42	
20	12.01	122.07	534.67	11.46	110.50	105.56	204.90	696.44	136.55	19.28	8.12	4.42	
21	15.42	109.50	559.45	16.89	152.31	81.32	163.61	860.02	111.49	18.87	7.42	5.87	
22	12.29	108.51	473.95	16.51	99.75	63.80	177.84	917.69	96.89	18.87	7.19	5.87	
23	17.67	94.07	386.96	32.68	62.27	53.44	164.88	1052.26	85.79	18.47	7.19	5.25	
24	31.63	85.79	272.01	94.07	48.53	51.31	266.97	1197.68	99.75	17.67	7.19	4.75	
25	42.04	83.10	183.13	114.56	42.04	43.91	226.17	1121.99	170.02	15.75	7.42	4.42	
26	27.14	116.68	128.65	86.70	31.63	55.60	158.54	860.02	144.95	14.77	7.19	4.10	
27	20.10	170.02	95.94	79.56	28.55	107.52	162.33	599.68	101.67	15.42	6.74	3.79	
28	18.47	152.31	67.67	64.56	86.70	173.91	291.46	410.26	82.21	14.44	6.52	3.79	
29	16.51	112.50	53.44	54.15	100.71	153.55	466.42	286.07	76.95	14.12		3.79	
30	14.12	83.10	43.28	39.60	63.80	195.26	573.40	218.99	77.82	13.81		3.79	
31		57.05		28.55	40.81		537.40		66.11	13.18		4.10	
TOTAL	383.75	2845.87	3667.73	954.40	1933.22	2904.14	11291.54	19866.32	6442.02	912.80	268.26	156.50	51626.55 TONDAY
MEAN	12.79	91.80	122.26	30.79	62.36	96.80	364.24	662.21	207.81	29.45	9.58	5.05	
MAX	42.04	176.53	559.45	114.56	152.31	216.15	699.96	1197.68	576.30	59.27	12.87	6.96	1197.68
MIN	6.52	23.96	18.07	10.91	9.86	21.78	158.54	218.99	66.11	13.18	6.52	3.79	3.79

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

KHLONG RATTAPHUM AT BAN KAMPHAENG PHET, SONGKHLA (X.67)

LOCATION LAT. 7-08-35 N., LONG. 100-17-20 E., ON RIGHT BANK ABOUT 3 METERS UPSTREAM FROM THE BRIDGE OF PHATTHALUNG-SONGKHLA HIGHWAY, AMPHOE RATTAPHUM, SONGKHLA.

DRAINAGE AREA 272 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1984 TO DATE

ACTUAL MEASUREMENT 1978 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN KAMPHAENG PHET, RATTAPHUM, SONGKHLA, X.67
STREAM - KHLONG RATTAPHUM
RIVER - THALE SAP SONGKHLA
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.52069
QS = 1.5796 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.53	6.91	3.80	1.58	0.55	1.23	3.29	10.25	169.09	41.28	13.85	12.22	
2	3.54	6.21	4.33	0.92	0.45	1.08	1.23	16.35	368.99	102.51	13.25	12.71	
3	3.29	5.87	6.56	0.55	0.38	0.78	0.78	45.46	933.43	129.58	12.22	10.71	
4	5.20	4.60	5.87	0.38	0.38	1.58	0.55	26.39	759.85	82.40	11.69	13.25	
5	4.33	4.88	4.60	0.45	0.38	3.05	1.08	18.98	308.94	322.79	11.69	9.75	
6	4.06	12.22	6.91	0.64	0.45	3.80	3.54	27.21	187.02	790.72	11.22	11.22	
7	3.80	10.71	15.08	0.64	0.29	3.05	3.54	354.33	187.02	530.60	11.22	11.69	
8	3.54	7.64	15.08	0.64	0.29	1.78	6.91	225.06	247.74	290.70	11.69	11.22	
9	3.54	5.20	8.40	0.78	0.64	1.23	8.02	82.40	140.48	234.04	11.69	11.22	
10	3.80	4.60	5.20	1.08	43.36	0.78	5.53	140.48	107.37	171.00	11.22	11.22	
11	3.54	7.27	4.33	0.64	31.65	0.55	4.33	80.92	89.96	133.18	9.75	11.22	
12	3.29	13.85	3.80	0.64	39.24	0.45	4.06	254.69	83.90	110.64	9.31	10.71	
13	3.29	15.71	3.29	0.38	10.25	0.45	9.31	124.29	149.86	94.60	11.69	10.71	
14	3.05	16.35	3.05	0.92	4.33	0.45	13.85	110.64	126.01	85.40	9.31	10.71	
15	2.35	12.22	3.05	0.64	4.06	0.55	8.02	82.40	596.17	72.21	8.87	9.31	
16	3.80	12.71	3.05	1.08	3.29	0.55	3.29	96.17	437.87	65.48	8.87	8.87	
17	4.33	44.41	4.33	1.08	1.95	3.05	2.14	182.97	271.16	57.65	8.40	10.25	
18	4.88	115.62	9.75	1.08	1.58	3.29	1.95	100.92	151.69	52.55	7.27	11.22	
19	4.60	51.36	18.31	0.64	1.58	3.05	2.35	72.21	107.37	46.53	7.27	11.69	
20	6.91	24.89	13.85	0.64	0.45	3.29	1.78	135.05	85.40	43.36	7.64	10.71	
21	4.06	31.65	8.87	0.92	0.38	2.14	1.58	145.99	73.64	39.24	7.27	10.71	
22	3.54	17.00	5.87	1.58	0.45	5.20	1.23	113.95	65.48	36.25	7.27	13.25	
23	5.87	11.69	4.33	2.14	0.45	5.20	13.25	136.81	93.05	32.53	7.27	11.69	
24	8.02	9.75	3.54	3.05	1.58	4.33	17.65	89.96	73.64	28.11	6.56	10.25	
25	5.53	8.40	3.29	1.23	8.87	2.58	16.35	96.17	169.09	26.39	6.21	9.75	
26	5.53	8.02	2.81	0.78	4.06	5.87	11.69	120.78	135.05	24.89	9.75	7.64	
27	5.53	7.64	2.35	1.23	2.81	4.33	10.71	195.21	86.91	23.36	9.75	6.56	
28	5.53	6.56	2.35	0.55	4.60	2.81	10.71	94.60	69.48	20.41	12.22	6.91	
29	5.20	6.21	2.14	0.38	3.80	2.81	8.87	77.98	60.22	18.98		6.91	
30	5.20	5.53	1.95	0.38	2.35	3.05	14.46	105.74	50.09	17.65		5.87	
31		3.80		0.64	1.41		11.22		42.31	15.08		5.53	
TOTAL	134.68	499.48	180.14	28.28	176.31	72.36	203.27	3364.36	6428.28	3740.11	274.42	315.68	15417.37 TONDAY
MEAN	4.49	16.11	6.00	0.91	5.69	2.41	6.56	112.15	207.36	120.65	9.80	10.18	
MAX	8.02	115.62	18.31	3.05	43.36	5.87	17.65	354.33	933.43	790.72	13.85	13.25	933.43
MIN	2.35	3.80	1.95	0.38	0.29	0.45	0.55	10.25	42.31	15.08	6.21	5.53	0.29

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

KHLONG THA KHAE AT BAN THA KHAE, PHATTHALUNG (X.68)

LOCATION LAT. 7-34-01 N., LONG. 100-03-05 E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, TAMBON THA KHAE, AMPHOE MUANG, PHATTHALUNG.

DRAINAGE AREA — FLOOD PLAIN.

METHOD OF SAMPLING — DEPTH INTEGRATING

INSTRUMENT USED — US.DH-59

PERIOD OF AVAILABLE RECORDS — 1983 TO DATE

ACTUAL MEASUREMENT — 1983 TO DATE

REMARKS — CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN THA KHAE, MUANG, PHATTHALUNG, X.68
STREAM - KHLONG THA KHAE
RIVER - KHLONG THA KHAE
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.48161
QS = 2.5712 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.01	11.82	9.12	5.89	1.27	1.12	23.09	21.56	61.69	43.15	15.08	10.59	
2	5.89	23.88	5.50	5.89	0.95	2.38	11.82	39.77	114.05	48.99	16.45	9.58	
3	5.89	15.76	4.37	5.50	1.45	2.38	7.66	61.69	285.15	56.31	10.59	13.09	
4	5.89	7.18	4.37	5.11	1.45	9.58	4.73	51.39	147.91	45.46	15.76	22.32	
5	5.11	3.33	4.37	4.73	0.95	26.51	16.45	55.07	79.10	50.19	16.45	19.31	
6	5.11	4.01	3.66	4.37	0.66	47.81	16.45	80.61	63.08	51.39	15.76	15.08	
7	5.50	5.50	11.20	3.66	0.31	20.05	33.36	127.49	55.07	51.39	14.41	12.45	
8	4.73	3.66	12.45	3.33	0.17	9.58	20.05	67.33	51.39	47.81	14.41	13.09	
9	4.73	3.66	8.16	3.33	6.76	10.11	23.88	47.81	48.99	57.56	16.45	13.09	
10	5.50	3.66	4.73	4.73	33.36	6.76	15.08	67.33	44.30	48.99	15.08	13.09	
11	5.50	5.50	11.20	3.33	26.51	6.76	7.18	53.83	40.89	45.46	13.09	12.45	
12	5.50	10.59	7.66	2.38	25.62	6.76	9.12	77.59	45.46	50.19	9.12	11.82	
13	3.66	6.35	6.76	2.38	9.58	5.89	11.82	45.46	53.83	43.15	9.12	11.82	
14	3.33	38.66	5.50	2.16	16.45	4.37	34.33	45.46	45.46	39.77	9.58	6.76	
15	2.69	17.15	5.50	1.99	25.62	13.09	17.86	39.77	60.30	34.33	9.58	5.89	
16	4.73	31.37	3.66	0.95	13.09	34.33	7.66	42.02	110.28	21.56	9.12	5.50	
17	5.11	16.45	35.40	2.16	13.75	20.05	10.59	45.46	73.14	33.36	9.12	5.50	
18	5.89	56.31	50.19	1.61	17.15	6.76	5.50	38.66	53.83	30.34	15.76	8.16	
19	5.89	31.37	114.05	1.81	4.73	9.12	5.89	40.89	46.63	21.56	15.76	8.16	
20	4.37	23.09	45.46	4.37	5.50	7.18	5.89	45.46	43.15	20.05	8.16	5.89	
21	3.66	40.89	34.33	5.50	5.89	5.11	5.11	40.89	38.66	26.51	8.16	9.12	
22	5.11	24.67	29.41	4.01	2.38	7.18	6.76	38.66	39.77	33.36	9.58	8.16	
23	6.35	22.32	24.67	10.11	2.16	3.00	20.80	33.36	52.61	22.32	10.11	6.35	
24	6.76	12.45	15.08	11.20	4.37	4.37	10.59	32.32	367.45	23.88	13.75	5.89	
25	5.11	13.75	13.75	10.11	6.35	4.01	8.16	44.30	106.55	17.15	13.09	5.11	
26	4.73	12.45	12.45	4.01	3.33	3.00	5.89	40.89	71.67	22.32	12.45	3.00	
27	5.50	16.45	11.82	4.73	5.11	9.12	6.76	38.66	57.56	17.15	11.82	1.45	
28	7.66	16.45	10.59	3.33	10.11	15.76	10.59	32.32	52.61	22.32	12.45	1.45	
29	7.18	20.05	5.11	1.81	6.35	5.11	13.75	27.50	57.56	21.56		1.61	
30	7.66	22.32	4.37	1.81	3.00	4.37	11.20	30.34	47.81	20.05		2.16	
31		16.45		1.27	2.38		13.09		45.46	16.45		2.69	
TOTAL	158.75	537.55	514.89	127.57	256.76	311.62	401.11	1453.89	2461.41	1084.08	350.26	270.63	7928.52 TONDAY
MEAN	5.29	17.34	17.16	4.12	8.28	10.39	12.94	48.46	79.40	34.97	12.51	8.73	
MAX	7.66	56.31	114.05	11.20	33.36	47.81	34.33	127.49	367.45	57.56	16.45	22.32	367.45
MIN	2.69	3.33	3.66	0.95	0.17	1.12	4.73	21.56	38.66	16.45	8.16	1.45	0.17

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

KHLONG U TAPHAO AT BAN BANG SALA, SONGKHLA (X.90)

LOCATION	LAT. 6-55-39 N., LONG. 100-26-37 E., ON LEFT BANK ABOUT 5 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AND NEAR THE PHATTHANA TAMBON STREET, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,562 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1982 TO DATE
ACTUAL MEASUREMENT	1982 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN BANG SALA, HAT YAI, SONGKHLA, X.90
STREAM - KHLONG U TAPHAO
RIVER - KHLONG U TAPHAO
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.15063
QS = 3.8900 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	29.99	29.99	60.89	16.98	8.14	14.83	103.05	159.68	769.74	120.76	31.16	9.14	
2	29.99	27.08	55.22	14.30	7.65	11.68	114.47	192.85	719.26	115.52	29.40	8.64	
3	26.51	27.08	58.01	14.30	7.16	11.16	107.18	199.21	796.37	113.43	27.66	8.14	
4	21.96	25.93	67.87	13.24	5.92	10.14	88.08	192.85	942.92	115.52	27.08	8.64	
5	18.62	30.57	86.33	13.24	4.43	9.64	77.33	195.39	953.59	160.84	27.08	7.65	
6	13.24	38.31	88.08	11.68	4.80	14.30	78.12	213.74	903.08	282.41	24.79	7.16	
7	11.68	31.75	86.33	11.16	4.07	25.93	76.53	338.07	803.65	339.83	22.52	6.30	
8	10.65	28.82	76.53	10.65	4.80	28.82	90.71	357.57	664.49	324.45	21.96	6.68	
9	10.14	25.93	70.22	9.64	6.68	25.36	79.71	370.06	546.13	286.89	21.96	7.16	
10	10.65	33.52	64.76	10.65	9.64	16.98	75.74	364.70	436.95	255.84	20.28	5.54	
11	11.16	46.26	58.01	10.65	26.51	12.72	72.58	352.24	438.77	227.25	19.17	5.92	
12	11.68	67.09	53.13	10.65	49.68	10.14	60.12	380.81	295.87	190.32	17.53	6.30	
13	12.20	96.27	44.41	10.14	53.83	10.14	56.61	384.40	270.53	162.01	16.44	6.30	
14	11.68	111.34	37.71	9.14	55.22	10.14	60.12	429.65	280.93	134.55	15.37	5.92	
15	11.16	123.93	33.52	8.64	55.22	10.14	69.44	470.41	306.63	114.47	15.90	5.54	
16	11.16	129.22	31.75	7.65	43.18	18.07	71.01	595.67	300.37	107.18	15.37	5.17	
17	12.20	130.29	29.99	7.65	34.71	20.28	58.72	655.02	273.49	97.23	14.83	5.54	
18	21.40	133.48	28.82	7.65	29.99	16.98	55.92	607.01	236.73	82.11	14.30	7.16	
19	29.99	167.86	34.71	6.68	24.79	14.30	46.94	552.80	203.04	72.58	13.24	9.14	
20	40.13	199.21	41.96	6.68	18.62	13.77	45.03	586.59	176.09	67.87	13.77	12.20	
21	70.22	213.74	56.61	8.64	16.44	16.44	46.94	755.27	158.51	63.21	13.77	12.72	
22	80.51	208.38	53.83	7.16	14.83	23.08	53.83	840.90	148.52	58.01	13.24	10.65	
23	79.71	208.38	49.00	31.16	13.24	34.12	67.87	884.57	146.36	54.52	12.72	7.65	
24	68.65	211.09	40.13	28.24	11.68	43.79	77.33	881.93	159.68	50.37	12.20	6.68	
25	55.92	200.48	33.52	21.96	11.68	60.12	87.20	874.01	311.39	49.00	11.68	6.30	
26	43.79	184.37	28.82	21.96	80.51	68.65	94.37	932.28	474.27	40.13	11.16	5.92	
27	44.41	158.51	24.79	19.17	73.37	59.42	118.66	937.60	427.82	38.92	10.65	6.30	
28	48.31	127.10	22.52	16.44	35.31	140.97	147.44	966.94	309.80	38.31	10.14	6.68	
29	37.11	102.02	20.28	13.24	27.56	118.66	152.85	966.94	221.85	35.91		5.54	
30	35.31	82.11	18.62	10.65	24.79	103.05	145.28	887.21	171.38	35.31		5.54	
31		70.22		10.65	17.53		134.55		142.05	33.52		5.17	
TOTAL	920.13	3270.33	1456.37	400.64	782.08	973.82	2613.73	16526.37	12990.26	3868.27	505.37	223.39	44530.76 TONDAY
MEAN	30.67	105.49	48.55	12.92	25.23	32.46	84.31	550.88	419.04	124.78	18.05	7.21	
MAX	80.51	213.74	88.08	31.16	80.51	140.97	152.85	966.94	953.59	339.83	31.16	12.72	966.94
MIN	10.14	25.93	18.62	6.68	4.07	9.64	45.03	159.68	142.05	33.52	10.14	5.17	4.07

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

KHLONG TAKHIAN AT BAN RIM KHLONG, SURAT THANI (X.103)

LOCATION	LAT. 9-25-31 N., LONG. 99-09-44 E., ON RIGHT BANK AT BAN RIM KHLONG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	180 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984 TO DATE
ACTUAL MEASUREMENT	1978 TO DATE
REMARKS	CONTINUED SEDIMENT STATION

ɔING RATING CURVE WATER YEAR 1984 - 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN RIM KHLONG, CHAIYA, SURAT THANI, X.103
STREAM - KHLONG TAKHIAN
RIVER - KHLONG TAKHIAN
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.38227
QS = 1.9692 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	3.32	5.13	4.51	2.25	0.88	10.47	8.78	18.32	26.12	4.10	0.80	
2	0.46	3.07	4.51	4.23	2.02	0.80	9.20	10.04	37.19	24.03	3.84	0.80	
3	0.46	2.59	4.51	4.23	1.92	0.80	10.69	26.51	45.33	33.98	3.58	0.65	
4	0.46	2.25	3.97	3.71	1.81	0.80	9.41	69.05	166.84	36.70	3.45	0.65	
5	0.41	1.92	8.99	3.71	1.70	0.80	17.71	123.96	140.69	29.52	3.20	0.65	
6	0.41	2.02	21.20	3.32	1.60	0.80	11.75	178.19	75.61	25.29	3.07	0.59	
7	0.34	2.13	21.20	3.07	1.50	0.80	18.62	133.30	49.80	21.99	2.95	0.52	
8	0.34	1.81	17.71	2.95	1.40	0.73	53.97	79.52	40.99	19.64	2.71	0.46	
9	0.34	1.60	12.83	2.71	1.81	0.73	69.77	56.50	38.61	18.32	2.59	0.46	
10	0.27	1.50	9.83	2.59	2.25	0.65	53.29	52.07	36.70	16.82	2.36	0.41	
11	0.34	1.40	8.38	2.36	2.36	0.65	51.40	44.37	31.73	15.94	2.25	0.41	
12	0.27	1.30	7.18	2.48	2.13	0.65	30.85	41.43	27.36	15.07	2.13	0.41	
13	0.27	1.81	6.23	3.32	1.92	0.65	26.12	39.98	24.42	13.66	2.02	0.41	
14	0.27	1.60	5.86	3.32	2.02	0.65	22.42	37.69	23.60	12.56	1.70	0.34	
15	0.23	1.40	5.49	3.32	2.02	0.65	19.23	33.09	26.51	12.01	1.50	0.34	
16	0.23	1.60	5.13	3.20	1.81	0.65	16.82	31.73	33.09	10.95	2.02	0.27	
17	0.23	2.13	4.78	2.71	1.70	0.59	15.07	34.88	26.96	10.47	1.60	0.27	
18	0.23	2.25	4.64	2.36	1.70	0.88	13.38	30.85	21.99	9.83	1.30	0.27	
19	0.27	2.59	5.31	2.25	1.70	1.20	12.01	26.96	18.32	9.20	1.40	0.27	
20	0.46	2.71	7.38	2.13	1.60	1.20	11.48	23.60	17.42	8.58	1.40	0.23	
21	0.65	2.36	8.38	3.32	1.50	1.30	11.48	21.57	15.94	8.17	1.30	0.23	
22	0.65	2.59	10.95	3.32	1.40	1.04	10.47	18.93	41.94	7.57	1.20	0.34	
23	0.59	4.37	11.75	2.71	1.30	2.48	17.12	17.42	66.37	6.99	1.04	0.17	
24	0.59	3.84	10.04	2.59	1.20	1.81	13.94	15.94	131.21	6.60	0.95	0.17	
25	0.52	3.97	8.99	2.59	1.20	1.70	16.53	11.75	153.61	6.04	0.88	0.08	
26	0.65	3.45	7.18	4.10	1.11	1.60	15.07	13.66	77.86	5.67	0.73	0.13	
27	0.65	3.20	6.42	4.78	1.11	1.60	12.83	13.94	49.80	5.31	0.73	0.13	
28	0.88	3.07	6.04	3.84	1.04	1.70	10.69	13.94	40.99	4.96	0.65	0.13	
29	1.50	2.83	5.49	3.07	0.95	2.13	12.28	12.28	35.37	4.78		0.13	
30	2.48	2.59	4.96	2.71	0.95	7.77	11.21	13.66	32.20	4.64		0.08	
31		4.51		2.48	0.88		18.93		29.12	4.37		0.08	
TOTAL	15.91	77.78	250.46	97.99	49.86	38.69	634.21	1235.59	1575.89	435.78	56.65	10.88	4479.69 TONDAY
MEAN	0.53	2.51	8.35	3.16	1.61	1.29	20.46	41.19	50.84	14.06	2.02	0.35	
MAX	2.48	4.51	21.20	4.78	2.36	7.77	69.77	178.19	166.84	36.70	4.10	0.80	178.19
MIN	0.23	1.30	3.97	2.13	0.88	0.59	9.20	8.78	15.94	4.37	0.65	0.08	0.08

WATER YEAR 1985

SOUTHERN PENINSULA WEST COAST

KHLONG LAMPHU LA AT BAN THUNG NGIU, TRANG (X.110)

LOCATION LAT. 7-40-24 N., LONG. 99-35-05 E., ON RIGHT BANK AT BAN THUNG NGIU, AMPHOE HUAI YOT, TRANG.

DRAINAGE AREA 229 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1985 TO DATE

ACTUAL MEASUREMENT 1985 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN THUNG NGIU, HUAI YOT, TRANG, X.110
STREAM - KHLONG LAMPHU RA
RIVER - KHLONG LAMPHU RA
RIVER SYSTEM - KHLONG LAMPHU RA

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.37552
QS = 4.1479 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	17.94	36.71	36.71	27.73	11.51	19.49	148.20	111.15	135.33	35.78	15.28	5.70	
2	15.93	50.35	37.64	26.87	9.96	17.26	106.42	135.33	137.11	39.53	15.28	5.70	
3	13.99	30.35	31.24	24.34	9.96	15.93	74.45	238.97	226.47	48.33	15.28	5.70	
4	13.36	26.02	33.94	22.69	9.45	36.71	62.68	182.67	308.75	45.34	14.63	9.45	
5	12.73	65.08	47.33	21.08	9.45	32.13	74.45	198.40	174.38	40.48	13.99	7.05	
6	11.51	63.88	32.13	20.28	8.96	170.28	92.97	246.77	124.81	45.34	13.99	5.70	
7	10.98	30.35	28.60	18.71	8.47	67.64	131.80	566.08	112.84	38.58	13.36	5.27	
8	10.47	21.88	27.73	17.94	8.96	38.58	254.64	394.97	90.05	35.78	12.73	5.27	
9	9.45	20.28	25.18	17.94	51.36	46.33	281.34	267.90	97.40	54.45	12.12	5.27	
10	9.45	43.38	22.69	20.28	67.64	40.48	146.24	257.27	77.23	41.44	11.51	5.27	
11	9.45	57.94	21.88	17.94	57.94	26.87	112.84	187.01	67.64	35.78	10.98	4.85	
12	9.96	85.71	20.28	15.93	36.71	40.48	92.97	150.17	65.08	34.86	10.47	4.85	
13	9.45	43.38	24.34	15.93	26.87	40.48	196.11	121.36	66.30	33.94	9.96	4.85	
14	8.96	275.94	19.49	15.28	34.86	28.60	246.77	117.93	78.62	30.35	9.45	4.44	
15	8.96	51.36	17.94	14.63	51.36	55.61	158.13	95.92	75.84	29.47	9.96	4.44	
16	16.59	203.01	17.94	13.99	37.64	146.24	116.22	94.44	137.11	28.60	9.45	4.03	
17	17.26	81.44	54.45	13.99	49.33	133.56	126.55	101.88	75.84	26.87	8.96	4.03	
18	15.28	106.42	95.92	13.36	40.48	75.84	91.51	100.38	60.29	24.34	8.47	4.44	
19	16.59	67.64	518.40	12.73	34.86	57.94	71.70	111.15	53.42	24.34	8.96	4.03	
20	12.12	47.33	257.27	12.12	52.39	49.33	61.48	359.79	49.33	24.34	8.47	3.64	
21	10.47	67.64	123.08	17.26	36.71	48.33	77.23	191.55	47.33	22.69	7.99	6.14	
22	13.99	51.36	90.05	13.36	28.60	38.58	57.94	137.11	47.33	22.69	7.99	4.03	
23	27.73	37.64	66.30	25.18	25.18	34.86	68.99	111.15	45.34	21.88	7.51	3.64	
24	15.28	32.13	54.45	29.47	21.08	41.44	55.61	95.92	100.38	20.28	7.05	3.64	
25	17.94	32.13	47.33	19.49	17.94	33.04	48.33	82.86	59.11	21.08	6.59	3.26	
26	17.94	75.84	44.36	22.69	17.26	62.68	44.36	75.84	48.33	20.28	6.14	2.90	
27	17.26	57.94	38.58	17.94	22.69	196.11	191.55	77.23	43.38	19.49	5.70	2.54	
28	13.99	45.34	34.86	19.49	29.47	111.15	259.92	60.29	42.41	18.71	5.27	2.20	
29	11.51	38.58	33.04	14.63	22.69	80.03	142.48	55.61	46.33	17.26		2.90	
30	38.58	34.86	29.47	12.73	18.71	158.13	217.00	61.48	40.48	15.93		2.90	
31		39.53		12.12	15.93		117.93		37.64	15.93		2.90	
TOTAL	435.12	1921.44	1932.62	568.12	874.42	1944.13	3928.81	4988.58	2771.90	934.16	287.54	141.03	20727.87 TONDAY
MEAN	14.50	61.98	64.42	18.33	28.21	64.80	126.74	166.29	89.42	30.13	10.27	4.55	
MAX	38.58	275.94	518.40	29.47	67.64	196.11	281.34	566.08	308.75	54.45	15.28	9.45	566.08
MIN	8.96	20.28	17.94	12.12	8.47	15.93	44.36	55.61	37.64	15.93	5.27	2.20	2.20

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

KHLONG SADAO AT BAN PHRAI, SONGKHLA (X.111)

LOCATION	LAT. 6-39-37 N., LONG. 100-26-09 E., ON LEFT BANK AT BAN PHRAI, AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	256 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1980 TO DATE
ACTUAL MEASUREMENT	1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN PHRAI, SADAO, SONGKHLA, X.111
STREAM - KHLONG SADAO
RIVER - KHLONG LAM
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.60082
QS = 1.9005 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.21	3.75	6.09	1.75	0.91	0.91	13.48	36.92	121.11	4.24	1.20	0.59	
2	2.15	2.65	4.44	1.69	0.84	0.77	15.37	21.95	80.97	4.15	1.12	0.53	
3	1.47	2.05	28.94	1.61	0.73	0.77	7.16	25.72	68.54	4.78	1.12	0.53	
4	1.41	2.31	15.57	1.47	0.73	0.84	6.38	32.84	65.53	4.44	1.07	0.53	
5	1.28	2.44	16.58	1.41	0.73	0.91	31.70	45.30	60.21	4.66	1.00	0.53	
6	1.20	3.18	15.23	1.28	0.67	1.20	30.05	29.79	64.73	6.62	1.00	0.47	
7	1.20	1.96	14.25	1.28	0.73	0.95	15.57	27.85	38.98	5.36	1.00	0.53	
8	1.28	3.33	14.06	1.12	0.73	0.84	11.15	54.64	32.57	4.87	0.91	0.47	
9	1.20	10.05	8.83	1.28	1.00	0.84	7.56	36.92	30.05	4.44	0.91	0.44	
10	1.07	33.37	6.52	1.33	7.41	0.63	6.00	23.96	22.94	4.15	0.91	0.59	
11	1.07	31.96	5.22	1.33	7.56	0.63	8.56	24.20	19.19	3.83	0.91	0.53	
12	1.07	26.04	4.57	1.20	11.93	0.95	6.91	73.63	17.21	3.52	0.84	0.53	
13	1.07	25.72	4.15	1.12	4.87	1.07	7.01	535.64	17.84	2.89	0.77	0.59	
14	1.28	17.84	4.36	1.07	2.05	0.95	8.99	340.73	18.55	2.65	0.73	0.53	
15	1.28	9.15	3.75	1.07	1.90	2.15	7.72	230.85	20.07	2.38	0.77	0.47	
16	8.72	11.93	3.45	1.07	2.44	1.20	5.22	121.11	21.49	2.38	0.77	0.47	
17	5.63	19.19	3.52	1.00	1.41	1.07	4.57	79.85	14.44	2.21	0.77	0.47	
18	2.89	74.60	4.57	0.95	1.20	1.12	4.15	64.73	12.29	2.05	0.77	0.77	
19	20.59	92.71	7.98	1.07	1.07	1.47	2.79	296.04	10.33	1.90	0.73	0.95	
20	35.72	58.11	19.85	1.20	1.00	1.47	2.89	468.55	9.77	1.90	0.73	0.73	
21	20.29	77.76	8.40	1.20	0.95	1.81	7.41	331.60	8.72	1.75	0.73	0.63	
22	6.91	60.77	5.36	1.07	0.91	25.23	8.29	349.95	7.98	1.75	0.67	0.63	
23	5.49	77.76	4.24	1.90	0.84	28.44	16.38	431.62	7.87	1.61	0.63	0.63	
24	3.83	34.27	3.26	2.72	1.12	6.76	20.59	340.73	7.31	1.47	0.63	0.73	
25	4.78	19.63	2.89	1.52	4.03	4.44	22.17	249.37	6.62	1.47	0.63	0.84	
26	5.36	14.44	2.54	1.20	2.38	3.75	39.36	518.55	6.52	1.47	0.63	0.73	
27	6.23	11.93	2.21	1.00	1.69	16.17	46.31	407.63	5.72	1.41	0.63	0.63	
28	3.95	9.15	2.96	1.52	1.20	34.81	33.73	140.77	5.13	1.33	0.67	0.47	
29	2.96	7.98	2.21	1.07	1.07	35.18	41.47	151.00	4.78	1.28		0.44	
30	3.64	6.76	1.81	1.00	0.95	16.17	39.36	127.54	4.66	1.20		0.73	
31		7.16		0.91	0.91		38.70		4.44	1.20		0.53	
TOTAL	157.23	759.95	227.81	40.41	65.96	193.50	517.00	5619.98	816.56	89.36	23.25	18.24	8529.25 TONDAY
MEAN	5.24	24.51	7.59	1.30	2.13	6.45	16.68	187.33	26.34	2.88	0.83	0.59	
MAX	35.72	92.71	28.94	2.72	11.93	35.18	46.31	535.64	121.11	6.62	1.20	0.95	535.64
MIN	1.07	1.96	1.81	0.91	0.67	0.63	2.79	21.95	4.44	1.20	0.63	0.44	0.44

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

KHLONG LAM AT BAN THUNG PRAP (1), SONGKHLA (X.113)

LOCATION	LAT. 6-37-59 N., LONG. 100-23-46 E., ON RIGHT BANK AT BAN THUNG PRAP (I), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	129 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1980 TO DATE
ACTUAL MEASUREMENT	1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN THUNG PRAPI, SADAO, SONGKHLA, X.113
STREAM - KHLONG LAM
RIVER - KHLONG U TAPHAO
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.35350
QS = 8.1295 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.81	1.59	3.44	0.86	0.46	0.92	57.81	13.44	31.50	1.52	0.46	0.46	
2	1.45	1.52	3.80	0.74	0.41	0.86	4.92	13.82	19.10	1.81	0.57	0.46	
3	1.31	2.43	4.73	0.74	0.36	0.80	2.68	156.70	21.62	1.81	0.51	0.46	
4	1.18	1.96	3.71	0.68	0.36	1.05	20.77	16.01	68.71	1.74	0.51	0.46	
5	1.05	2.19	7.58	0.68	0.36	3.80	30.56	8.24	15.36	1.59	0.51	0.46	
6	1.11	2.43	3.53	0.57	0.36	13.07	7.58	28.71	10.52	2.04	0.51	0.46	
7	0.98	2.51	9.14	0.62	0.36	2.43	5.91	31.50	8.91	1.81	0.51	0.41	
8	2.19	3.10	4.26	0.62	0.57	1.45	4.73	11.23	7.80	1.81	0.46	0.41	
9	1.38	9.36	3.01	0.68	27.79	1.18	3.53	7.80	6.94	1.81	0.46	0.41	
10	0.92	21.20	2.43	0.92	41.08	0.92	2.93	6.73	5.71	1.59	0.46	0.41	
11	0.74	7.16	2.04	0.98	116.51	0.92	4.35	14.07	5.11	1.52	0.41	0.41	
12	0.80	50.94	1.74	0.80	36.78	1.59	3.53	44.31	4.92	1.38	0.41	0.41	
13	0.98	45.51	2.43	0.62	6.32	1.45	12.20	19.52	5.71	1.25	0.36	0.41	
14	0.86	8.68	1.74	0.46	5.21	1.11	6.73	63.19	6.32	1.18	0.41	0.36	
15	0.74	5.21	1.96	0.62	6.11	1.81	4.07	62.44	6.32	1.11	0.36	0.36	
16	0.36	82.69	1.52	0.51	3.44	1.31	2.68	18.42	5.41	1.05	0.57	0.36	
17	0.57	64.70	4.92	0.57	2.19	1.31	2.76	12.82	4.73	0.98	0.51	0.36	
18	107.34	504.05	5.11	0.51	1.59	1.25	3.53	9.82	3.98	0.92	0.46	0.51	
19	176.06	74.73	8.68	0.46	1.45	1.31	2.43	18.01	3.53	0.80	0.46	0.46	
20	46.89	26.89	8.02	0.46	1.31	1.18	1.81	253.55	3.10	0.86	0.41	0.41	
21	5.41	15.36	3.53	0.51	1.18	1.96	1.59	103.48	3.01	0.80	0.46	0.46	
22	4.73	9.82	2.27	0.46	0.92	10.05	7.16	187.70	2.93	0.80	0.57	0.41	
23	3.98	9.82	1.59	2.27	0.92	2.04	74.73	53.62	2.76	0.80	0.46	0.46	
24	3.10	7.37	1.45	2.27	10.29	1.25	17.34	37.92	2.68	0.86	0.46	1.74	
25	5.41	5.91	1.25	1.18	5.71	1.05	237.47	104.76	2.51	0.68	0.46	0.68	
26	3.10	5.91	1.11	0.92	2.68	2.27	82.69	57.07	2.51	0.68	0.46	0.46	
27	2.43	6.11	1.05	0.80	1.74	2.04	10.52	25.99	2.27	0.62	0.46	0.46	
28	1.81	4.73	0.98	0.68	1.45	5.91	22.48	14.71	2.04	0.62	0.46	0.46	
29	1.59	4.35	0.92	0.57	1.11	6.11	87.77	16.67	1.96	0.57		0.41	
30	1.25	3.44	0.80	0.62	1.25	2.68	40.41	76.70	1.74	0.51		0.36	
31		3.44		0.46	1.05		56.34		1.59	0.51		0.31	
TOTAL	381.53	995.11	98.74	23.84	281.32	75.08	824.01	1488.95	271.30	36.03	13.11	14.66	4503.68 TONDAY
MEAN	12.72	32.10	3.29	0.77	9.07	2.50	26.58	49.63	8.75	1.16	0.47	0.47	
MAX	176.06	504.05	9.14	2.27	116.51	13.07	237.47	253.55	68.71	2.04	0.57	1.74	504.05
MIN	0.36	1.52	0.80	0.46	0.36	0.80	1.59	6.73	1.59	0.51	0.36	0.31	0.31

WATER YEAR 1985

SOUTHERN PENINSULA EAST COAST

KHLONG THA MA DUA AT BAN KHLONG AI TO, PHATTHALUNG (X.129)

LOCATION	LAT. 70-23-19 N., LONG. 100-06-44 N., ON RIGHT BANK NEAR WAT BAN AI TO, BAN KHLONG AI TO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	332 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1985

RID COMPUTER CENTER

47-1602001

STATION - BAN KHLONG AI TO, KHAO CHAI SON, PHATTHALUNG, X.129
STREAM - KHLONG THA MA DUA
RIVER - THALE LUANG
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.22829
QS = 1.8688 QW

WATER YEAR - 1985

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1985 TO MARCH 31, 1986

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	20.58	6.91	10.89	1.87	1.31	0.90	65.96	19.51	105.13	58.91	11.85	4.92	
2	18.45	12.34	11.37	1.75	1.31	0.90	38.34	70.44	335.39	97.42	12.83	5.20	
3	17.40	13.82	24.40	1.53	1.42	0.90	23.30	204.65	908.10	90.76	12.34	4.92	
4	16.88	10.42	22.20	1.42	1.21	0.90	14.83	143.41	828.68	67.75	10.89	6.62	
5	15.34	8.55	16.88	1.31	1.21	0.90	16.36	90.76	388.53	86.06	9.01	6.04	
6	13.33	11.37	13.82	1.31	1.31	10.89	16.88	86.06	181.55	196.44	7.65	5.20	
7	11.85	13.82	28.92	1.31	1.31	3.08	14.83	200.54	140.84	232.45	7.20	10.89	
8	10.89	10.42	35.94	1.31	1.31	1.31	18.45	161.61	121.87	181.55	9.48	5.48	
9	9.01	7.65	27.77	1.31	1.64	1.10	22.20	99.34	93.60	157.68	6.91	3.08	
10	9.94	28.34	18.98	1.21	29.49	0.90	14.33	145.98	76.80	114.92	6.91	5.48	
11	6.04	26.08	13.82	1.21	15.85	0.90	10.42	94.55	61.54	90.76	6.62	7.65	
12	4.92	31.81	10.89	1.21	9.01	0.90	7.65	56.31	68.64	75.89	6.04	8.10	
13	5.20	37.73	8.10	1.64	5.48	0.90	6.33	79.56	71.34	65.07	6.91	8.55	
14	4.65	44.46	6.62	1.87	3.59	0.80	14.83	85.13	64.19	57.17	6.04	7.20	
15	4.11	32.98	4.92	1.53	2.34	0.80	9.94	58.91	117.89	43.63	6.33	6.33	
16	3.33	40.36	4.38	1.31	1.64	6.04	6.33	79.56	319.20	35.94	8.10	6.91	
17	2.83	38.94	14.33	1.42	1.31	2.10	5.20	101.26	368.20	30.64	8.10	6.62	
18	13.82	140.84	30.07	1.31	1.10	1.21	4.65	96.46	199.17	29.49	5.48	5.76	
19	13.33	83.26	93.60	1.31	1.10	1.10	2.58	71.34	121.87	27.77	4.38	5.48	
20	4.38	52.87	41.17	1.31	1.10	1.00	2.10	97.42	88.88	24.40	4.38	6.62	
21	2.58	79.56	24.96	2.10	1.10	0.90	2.34	87.00	70.44	23.30	4.38	6.04	
22	2.34	46.12	16.88	1.75	1.21	1.00	2.58	113.94	67.75	21.66	4.38	5.76	
23	3.08	31.22	11.85	1.53	1.10	5.48	4.92	106.10	108.05	17.92	4.92	3.08	
24	3.59	26.08	9.01	3.59	1.00	3.08	10.89	72.25	494.64	18.45	4.65	2.58	
25	4.11	22.75	6.62	2.34	2.10	7.65	10.89	88.88	492.38	23.30	5.48	5.76	
26	3.08	22.75	5.76	1.64	1.10	3.08	12.34	101.26	210.16	18.98	5.48	6.33	
27	4.38	20.04	4.92	1.87	1.00	18.45	16.88	67.75	124.87	17.92	4.38	6.33	
28	5.76	13.82	3.85	1.31	1.00	42.81	23.85	51.17	95.51	16.88	4.38	5.76	
29	4.38	12.34	2.83	1.31	0.90	31.81	19.51	39.55	95.51	15.34		6.04	
30	3.08	14.33	2.58	1.31	0.90	37.73	17.40	44.46	79.56	14.33		5.20	
31		13.33		1.31	0.90		22.20		65.07	12.34		4.92	
TOTAL	242.66	955.31	528.33	48.51	96.35	189.52	459.31	2815.16	6565.35	1965.12	195.50	184.85	14245.97 TONDAY
MEAN	8.09	30.82	17.61	1.56	3.11	6.32	14.82	93.84	211.79	63.39	6.98	5.96	
MAX	20.58	140.84	93.60	3.59	29.49	42.81	65.96	204.65	908.10	232.45	12.83	10.89	908.10
MIN	2.34	6.91	2.58	1.21	0.90	0.80	2.10	19.51	61.54	12.34	4.38	2.58	0.80